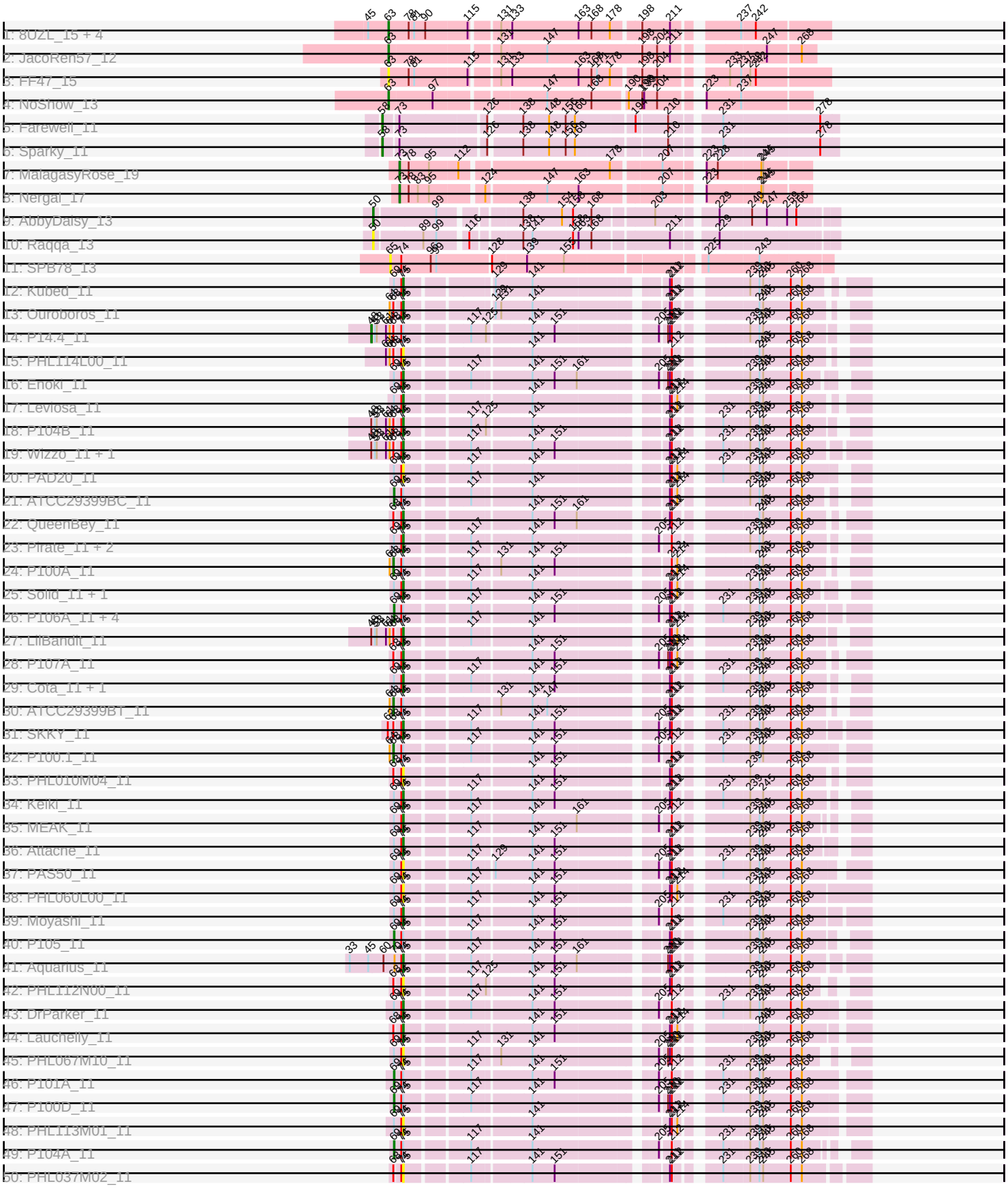
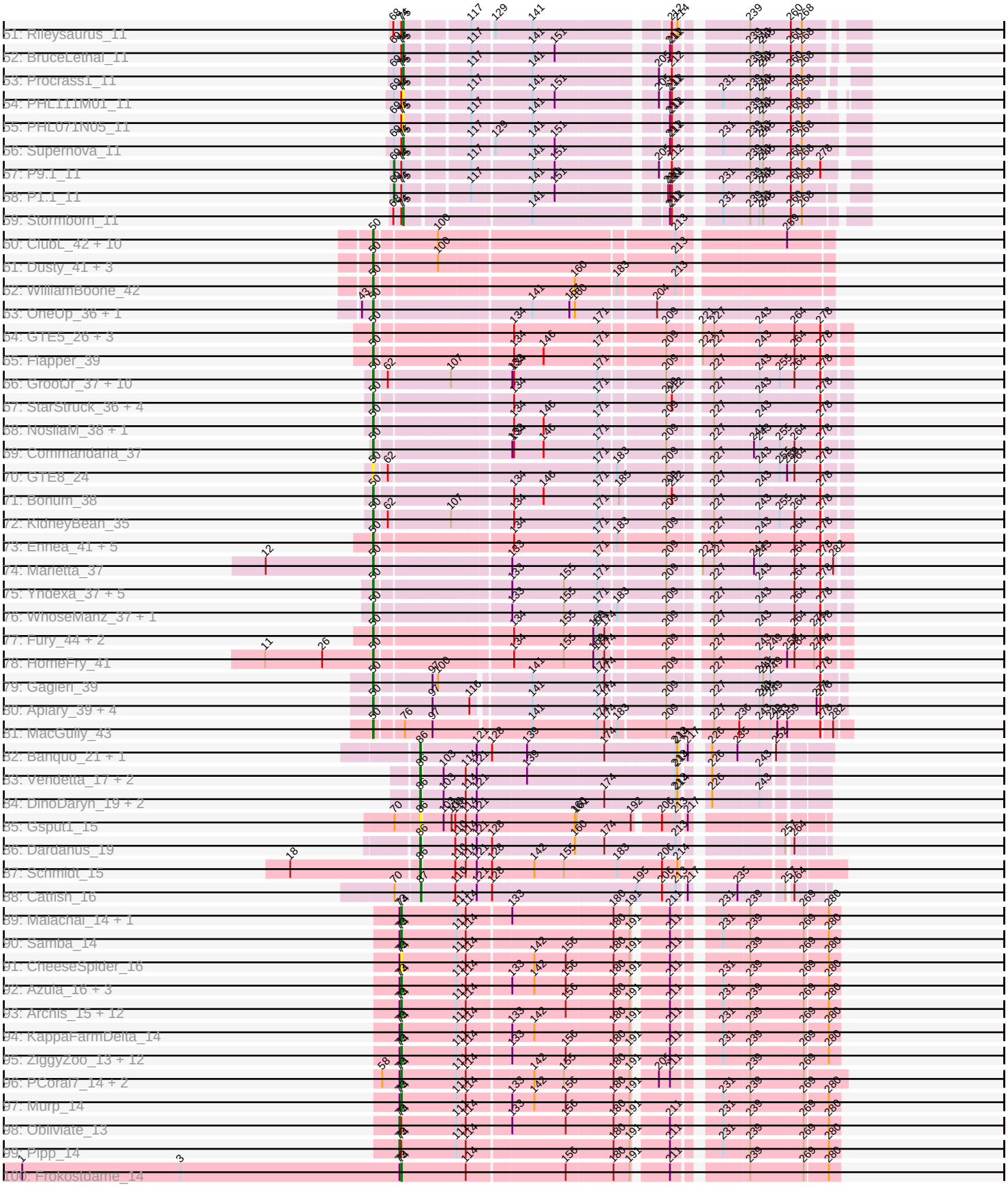
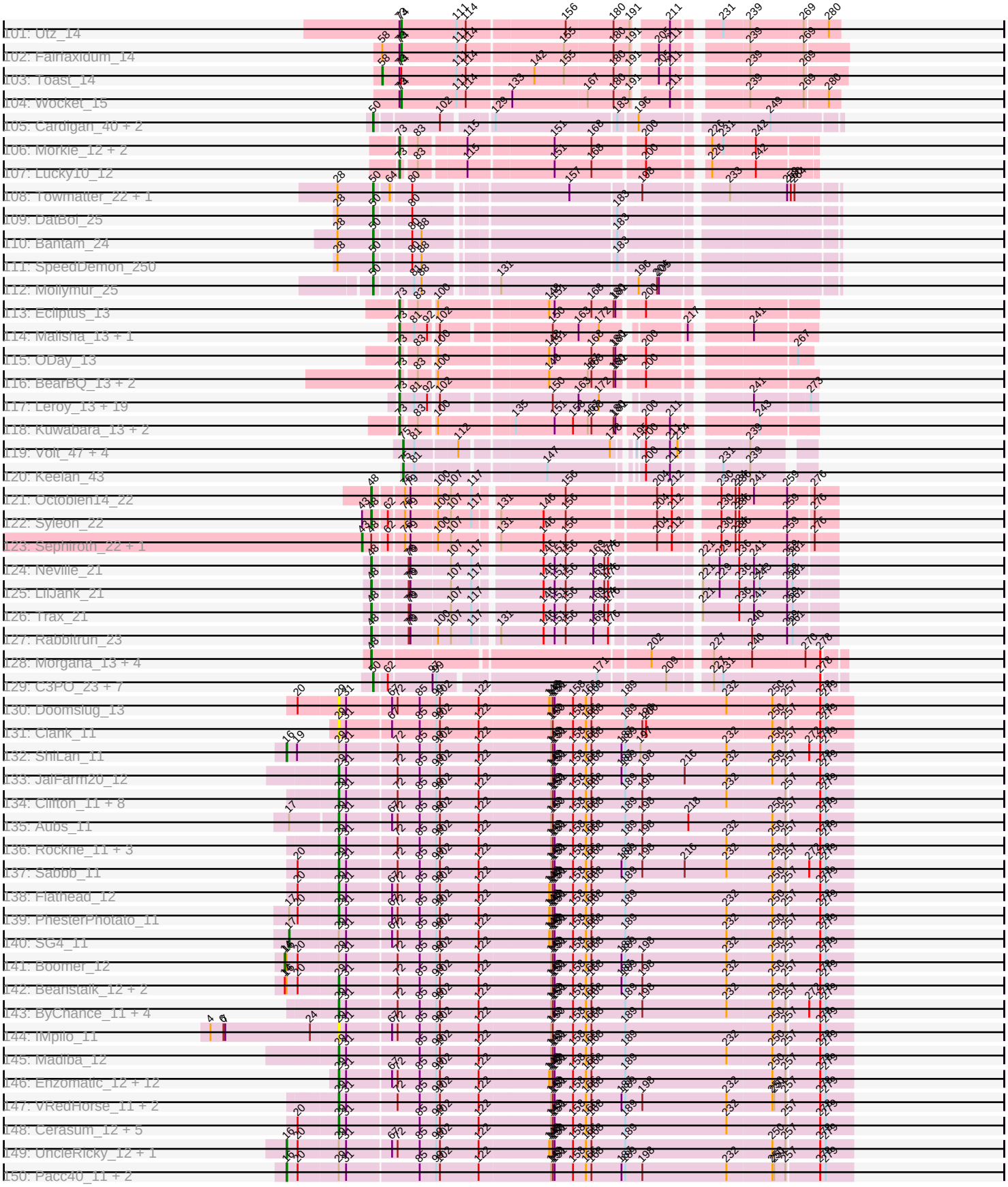
Pham 330267



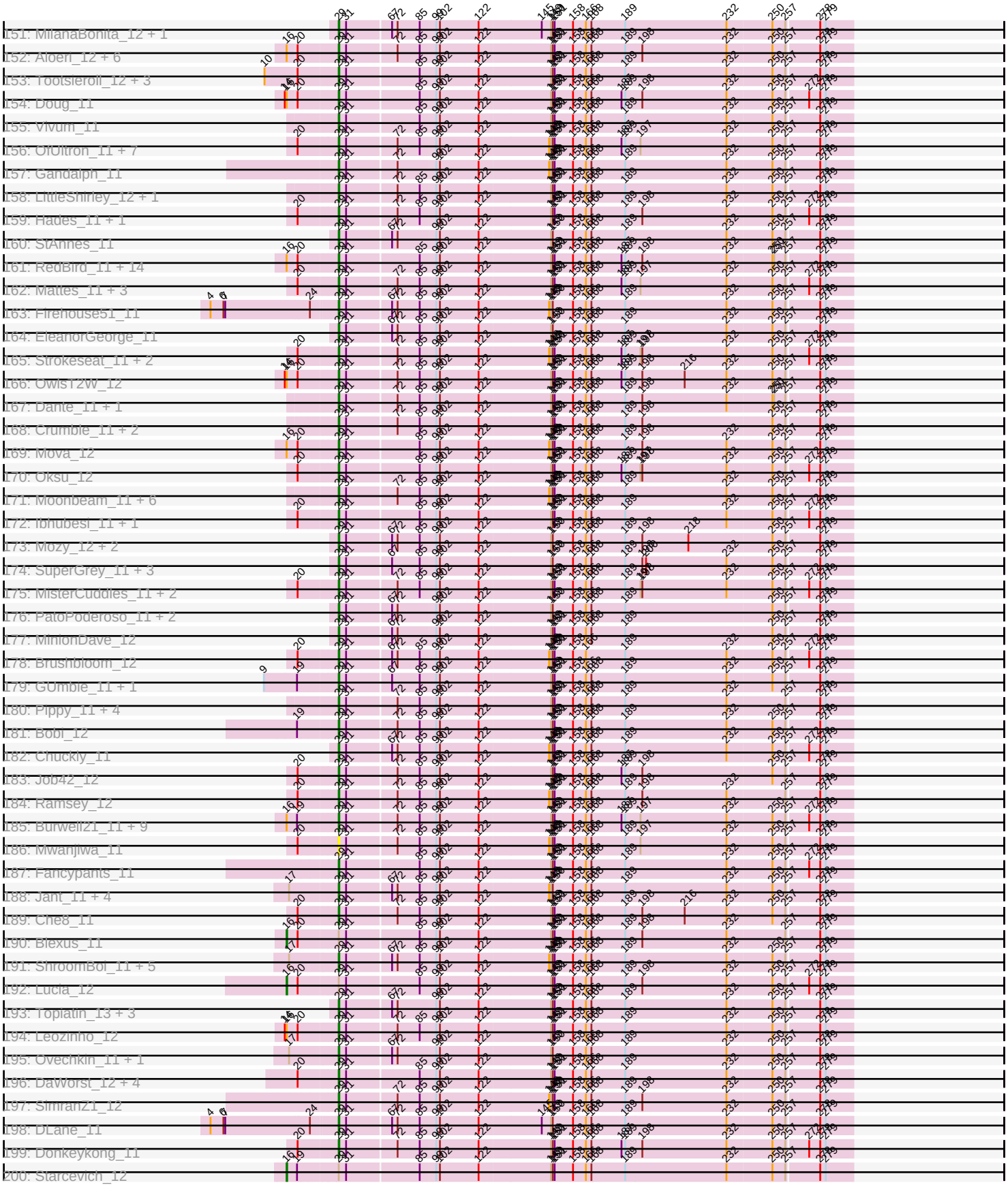
Pham 330267


51: Rileysaurus_11
52: BruceLethal_11
53: Procrass1_11
54: PHL111M01_11
55: PHL071N05_11
56: Supernova_11
57: P9.1_11
58: P1.1_11
59: Stormborn_11
60: ClubL_42 + 10
61: Dusty_41 + 3
62: WilliamBoone_42
63: OneUp_36 + 1
64: GTE5_26 + 3
65: Flapper_39
66: GrootJr_37 + 10
67: StarStruck_36 + 4
68: NosliaM_38 + 1
69: Commandaria_37
70: GTE8_24
71: Bonum_38
72: KidneyBean_35
73: Ennea_41 + 5
74: Marietta_37
75: Yndexa_37 + 5
76: WhoseManz_37 + 1
77: Fury_44 + 2
78: HomeFry_41
79: Gagleri_39
80: Apiary_39 + 4
81: MacGully_43
82: Banquo_21 + 1
83: Vendetta_17 + 2
84: DinoDaryn_19 + 2
85: Gsputt1_15
86: Dardanus_19
87: Schmidt_15
88: Catfish_16
89: Malachai_14 + 1
90: Samba_14
91: CheeseSpider_16
92: Azula_16 + 3
93: Archis_15 + 12
94: KappaFarmDelta_14
95: ZiggyZoo_13 + 12
96: PCoral7_14 + 2
97: Murp_14
98: Oblivlate_13
99: Pipp_14
100: Frokostdame_14

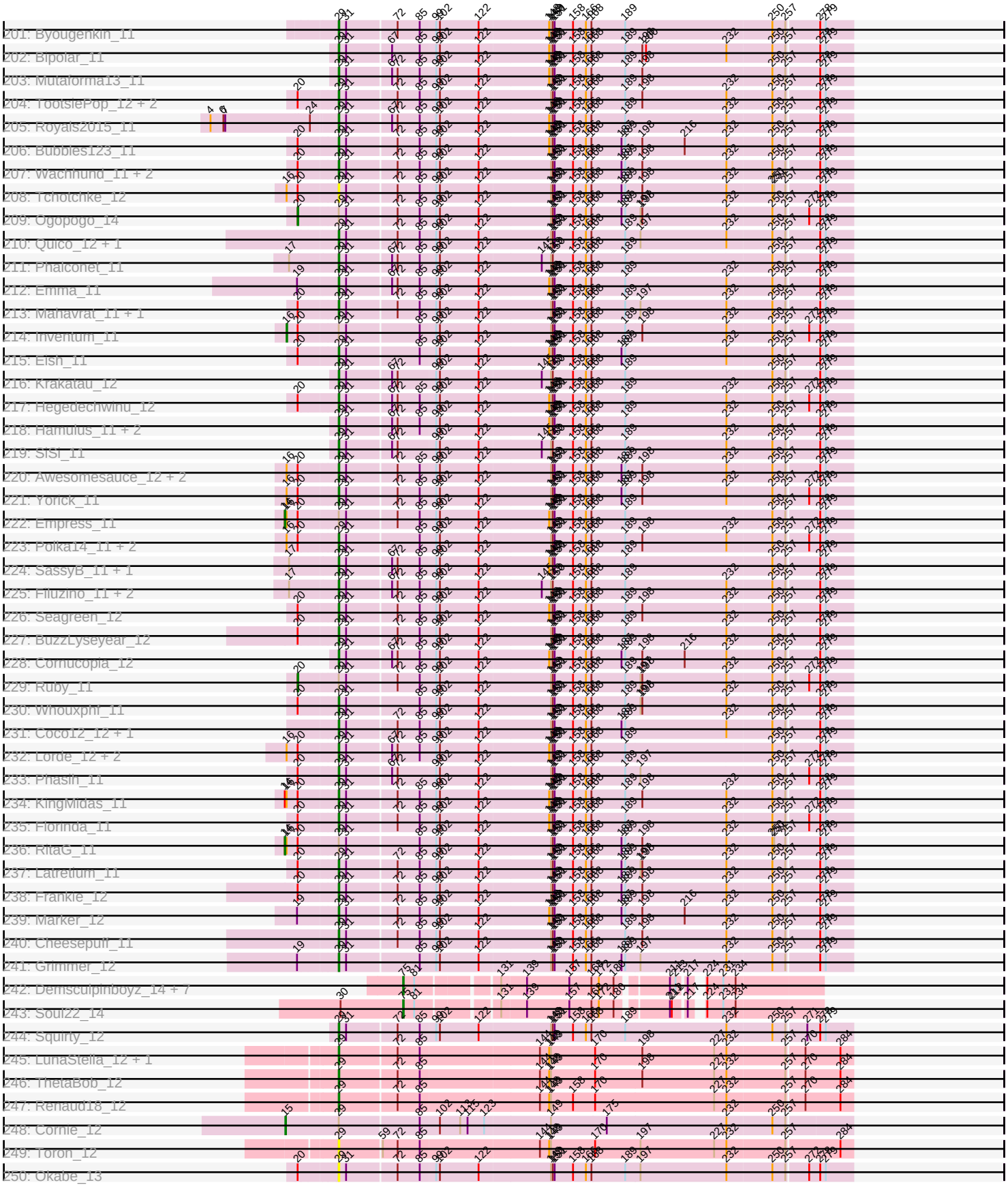
Pham 330267


I01: Otz_14
I02: Fairfaxidum_14
I03: Toast_14
I04: Wocket_15
I05: Cardigan_40 + 2
I06: Morkie_12 + 2
I07: Lucky10_12
I08: Townmatter_22 + 1
I09: DatBoi_25
I10: Bantam_24
I11: SpeedDemon_250
I12: Mollymur_25
I13: Ecliptus_13
I14: Mallsha_13 + 1
I15: ODay_13
I16: BearBQ_13 + 2
I17: Leroy_13 + 19
I18: Kuwabara_13 + 2
I19: Volt_47 + 4
I20: Keelan_43
I21: Octobien14_22
I22: Syleon_22
I23: Sephiroth_22 + 1
I24: Neville_21
I25: LilJank_21
I26: Trax_21
I27: Rabbitrun_23
I28: Morgana_13 + 4
I29: C3PO_23 + 7
I30: Doomslug_13
I31: Clank_11
I32: SmiLan_11
I33: JalFarm20_12
I34: Clifton_11 + 8
I35: Aubs_11
I36: Rockne_11 + 3
I37: Sabbb_11
I38: Flathead_12
I39: PhesterPhotato_11
I40: SG4_11
I41: Boomer_12
I42: Beanstalk_12 + 2
I43: ByChance_11 + 4
I44: Impilo_11
I45: Madiba_12
I46: Enzomatic_12 + 12
I47: VRedHorse_11 + 2
I48: Cerasum_12 + 5
I49: UncleRicky_12 + 1
I50: Pacc40_11 + 2

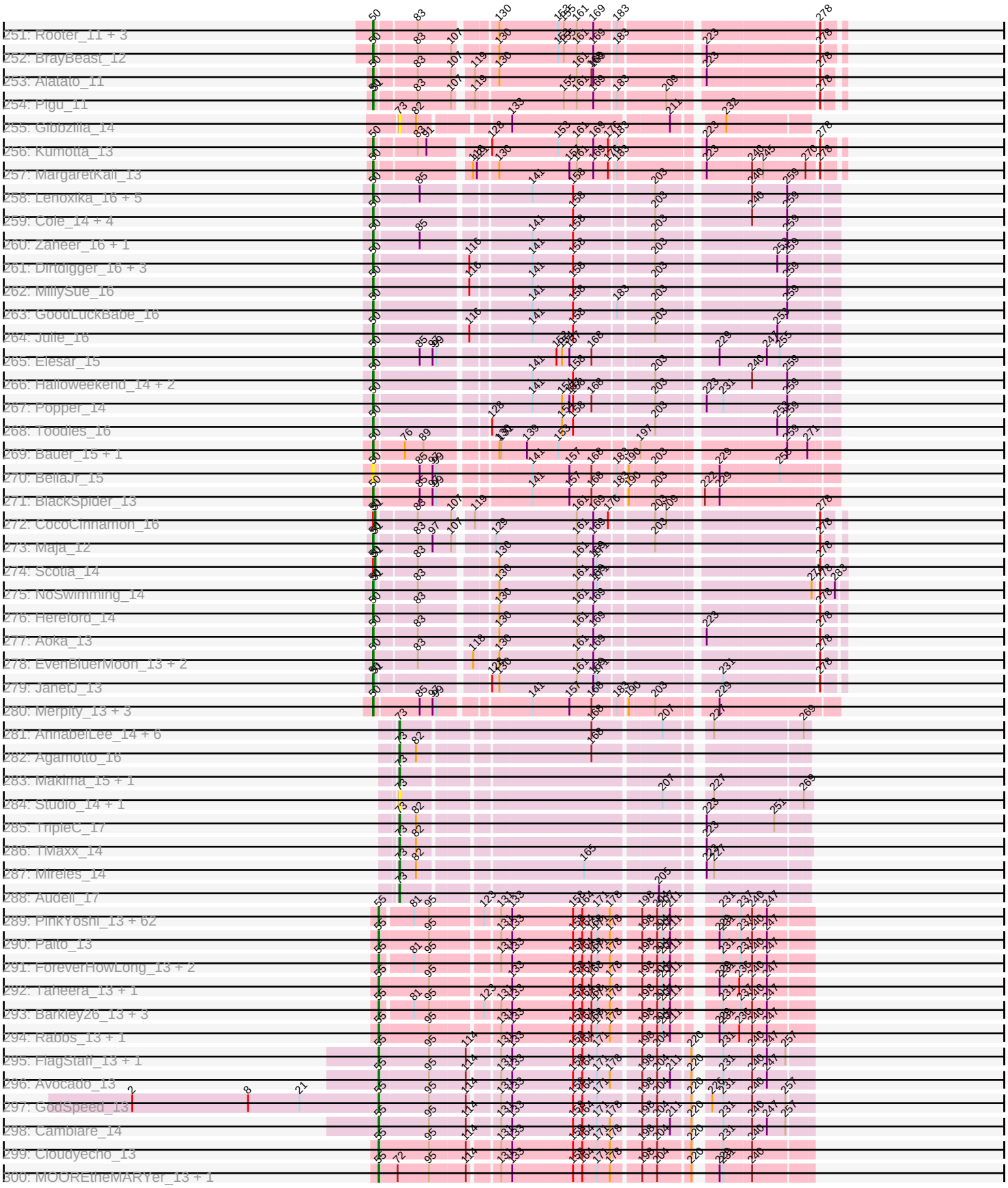
Pham 330267


151: MilanaBonita_12 + 1
152: Aloeri_12 + 6
153: Tootsieroll_12 + 3
154: Doug_11
155: Vivum_11
156: OfOltron_11 + 7
157: Gandalph_11
158: LittleShirley_12 + 1
159: Hades_11 + 1
160: StAnnes_11
161: RedBird_11 + 14
162: Mattes_11 + 3
163: Firehouse51_11
164: EleanorGeorge_11
165: Strokeseat_11 + 2
166: OwisT2W_12
167: Dante_11 + 1
168: Crumble_11 + 2
169: Mova_12
170: Oksu_12
171: Moonbeam_11 + 6
172: Ishubesi_11 + 1
173: Mozy_12 + 2
174: SuperGrey_11 + 3
175: MisterCuddles_11 + 2
176: PatoPoderoso_11 + 2
177: MinionDave_12
178: Brushbloom_12
179: GUmble_11 + 1
180: Pippy_11 + 4
181: Bobi_12
182: Chuckly_11
183: Job42_12
184: Ramsey_12
185: Burwell21_11 + 9
186: Mwanjiwa_11
187: Fancypants_11
188: Jant_11 + 4
189: Che8_11
190: Blexus_11
191: ShroomBoi_11 + 5
192: Lucia_12
193: Topiatin_13 + 3
194: Leozinho_12
195: Ovechkin_11 + 1
196: DaWorst_12 + 4
197: Simran21_12
198: DLane_11
199: Donkeykong_11
200: Starcevich_12

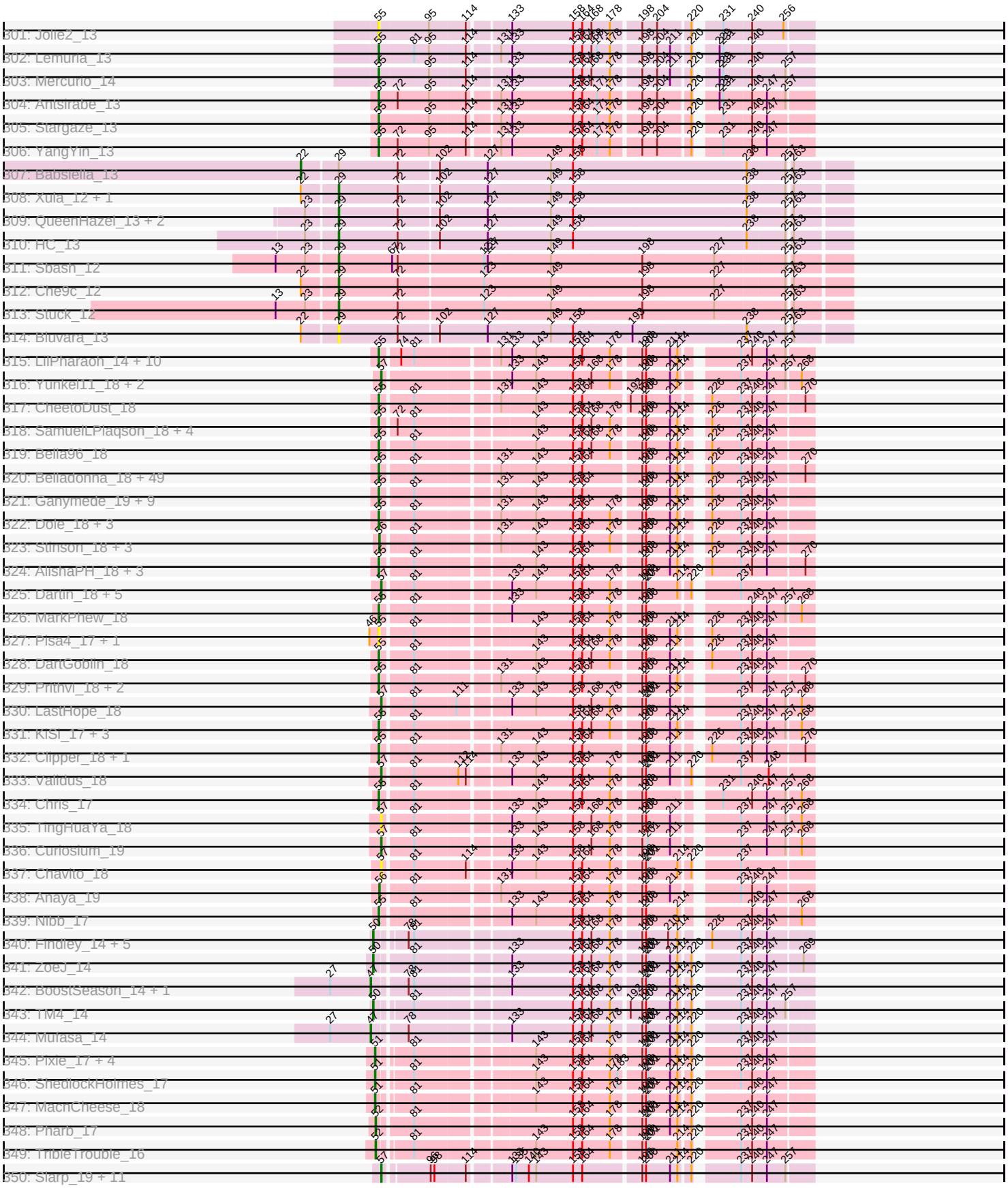
Pham 330267


201: Byougenkin_11
202: Bipolar_11
203: Mutaforma13_11
204: TootsiePop_12 + 2
205: Royals2015_11
206: Bubbles123_11
207: Wachhund_11 + 2
208: Tchotchke_12
209: Ogopogo_14
210: Quico_12 + 1
211: Phalconet_11
212: Emma_11
213: Mahavrat_11 + 1
214: Inventum_11
215: Elsh_11
216: Krakatau_12
217: Hegedechwinu_12
218: Hamulus_11 + 2
219: SiSi_11
220: Awesomesauce_12 + 2
221: Yorick_11
222: Empress_11
223: Polka14_11 + 2
224: SassyB_11 + 1
225: Filuzino_11 + 2
226: Seagreen_12
227: BuzzLyseyear_12
228: Cornucopia_12
229: Ruby_11
230: Whouxphi_11
231: Coco12_12 + 1
232: Lorde_12 + 2
233: Phasih_11
234: KingMidas_11
235: Florinda_11
236: RitaG_11
237: Latretium_11
238: Frankie_12
239: Marker_12
240: Cheesepuff_11
241: Grimmer_12
242: Demsculpinboyz_14 + 7
243: Soul22_14
244: Squirty_12
245: LunaStella_12 + 1
246: ThetaBob_12
247: Renaud18_12
248: Cornie_12
249: Toron_12
250: Okabe_13

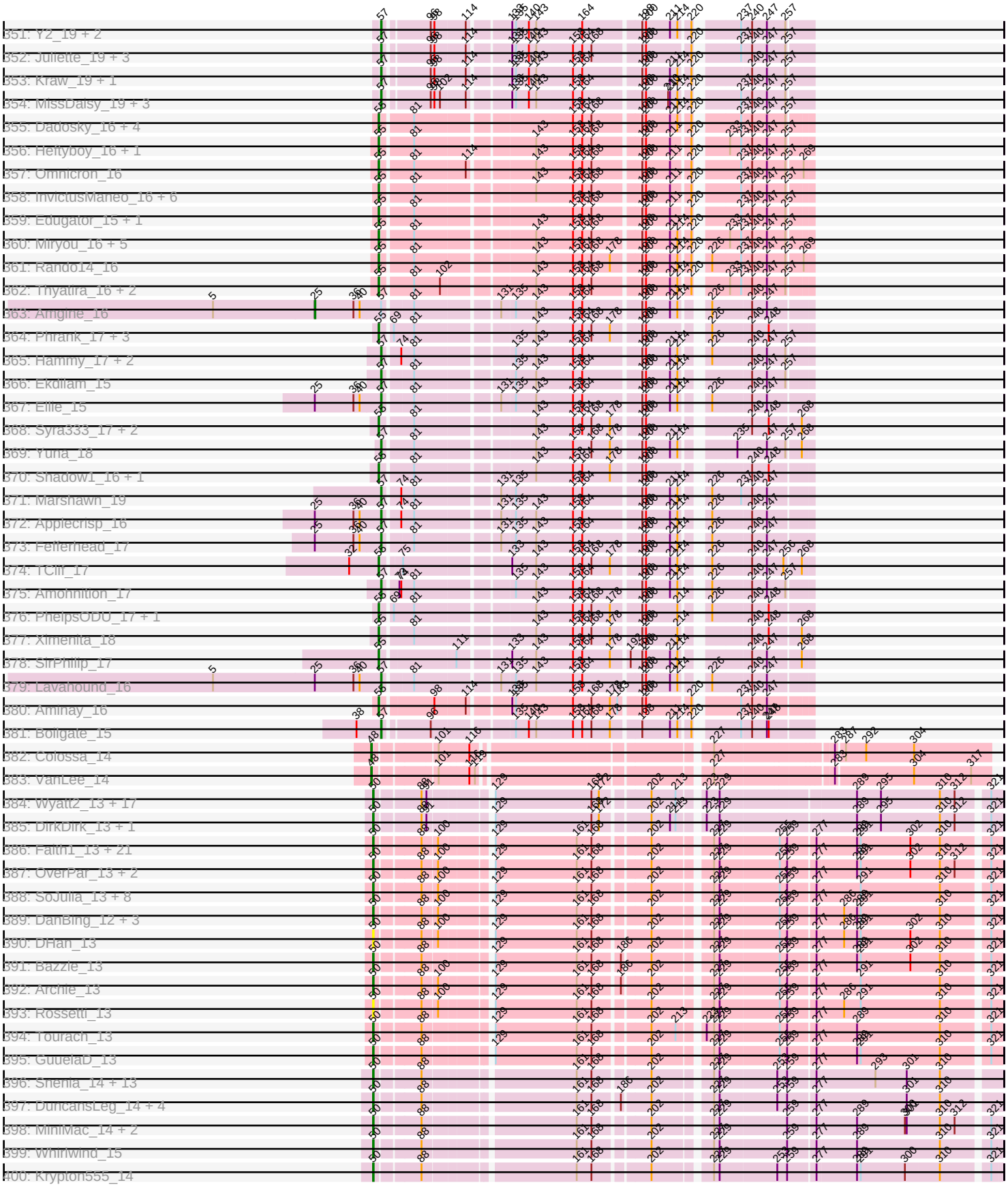
Pham 330267


251: Rooter_11 + 3
252: BrayBeast_12
253: Alatato_11
254: Pigu_11
255: Gibbzilla_14
256: Kumotta_13
257: MargaretKali_13
258: Lenoxika_16 + 5
259: Cole_14 + 4
260: Zaheer_16 + 1
261: Dirtdigger_16 + 3
262: MillySue_16
263: GoodLuckBabe_16
264: Julie_16
265: Elesar_15
266: Halloweekend_14 + 2
267: Popper_14
268: Toodles_16
269: Bauer_15 + 1
270: BellaJr_15
271: BlackSpider_13
272: CocoCinnamon_16
273: Maja_12
274: Scotia_14
275: NoSwimming_14
276: Hereford_14
277: Aoka_13
278: EvenBlueMoon_13 + 2
279: JanetJ_13
280: Merpity_13 + 3
281: AnnabelLee_14 + 6
282: Agamotto_16
283: Makima_15 + 1
284: Studio_14 + 1
285: TripleC_17
286: TMaxx_14
287: Mireles_14
288: Audell_17
289: PinkYoshi_13 + 62
290: Paito_13
291: ForeverHowLong_13 + 2
292: Taheera_13 + 1
293: Barkley26_13 + 3
294: Rabbs_13 + 1
295: FlagStaff_13 + 1
296: Avocado_13
297: GodSpeed_13
298: Cambiare_14
299: Cloudyecho_13
300: MOOREtheMARYer_13 + 1

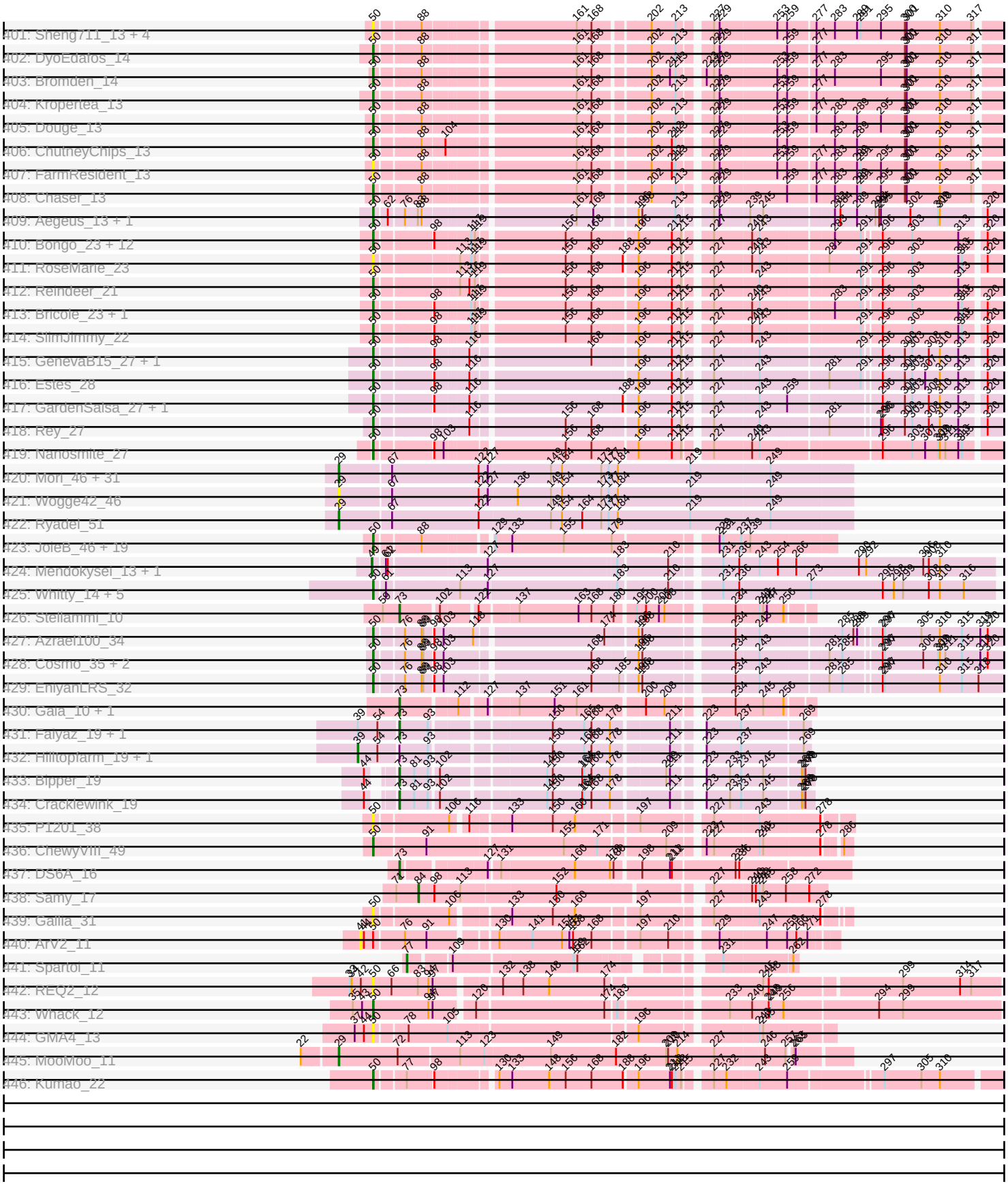
Pham 330267


301: Jolie2_13
302: Lemuria_13
303: Mercurio_14
304: Antsirabe_13
305: Stargaze_13
306: YangYin_13
307: Babsiella_13
308: Xula_12 + 1
309: QueenHazel_13 + 2
310: HC_13
311: Sbash_12
312: Che9c_12
313: Stuck_12
314: Bluvara_13
315: LilPharaoh_14 + 10
316: Yunkel11_18 + 2
317: CheetoDust_18
318: SamuelLPlaqson_18 + 4
319: Bella96_18
320: Belladonna_18 + 49
321: Ganymede_19 + 9
322: Dole_18 + 3
323: Stinson_18 + 3
324: AlishaPH_18 + 3
325: Dartin_18 + 5
326: MarkPhew_18
327: Pisa4_17 + 1
328: DartGoblin_18
329: Prithvi_18 + 2
330: LastHope_18
331: KISI_17 + 3
332: Clipper_18 + 1
333: Validus_18
334: Chris_17
335: TingHuaYa_18
336: Curiosium_19
337: Chavito_18
338: Anaya_19
339: Nibb_17
340: Findley_14 + 5
341: ZoeJ_14
342: BoostSeason_14 + 1
343: TM4_14
344: Mufasa_14
345: Pixie_17 + 4
346: SherlockHolmes_17
347: MacnCheese_18
348: Pharb_17
349: TribleTrouble_16
350: Starp_19 + 11

Pham 330267


351: Y2_19 + 2
352: Juliette_19 + 3
353: Kraw_19 + 1
354: MissDaisy_19 + 3
355: Daddsky_16 + 4
356: Heftyboy_16 + 1
357: Omnicron_16
358: InvictusMaheo_16 + 6
359: Edugator_15 + 1
360: Miryou_16 + 5
361: Rando14_16
362: Thyatira_16 + 2
363: Amgine_16
364: Phrank_17 + 3
365: Hammy_17 + 2
366: Ekuliam_15
367: Ellie_15
368: Syra333_17 + 2
369: Yuna_18
370: Shadow1_16 + 1
371: Marshawn_19
372: Applecrisp_16
373: Fellerhead_17
374: TCliff_17
375: Amohnition_17
376: PhelpsODU_17 + 1
377: Ximenita_18
378: SirPhilip_17
379: Lavahound_16
380: Aminay_16
381: Boilgate_15
382: Colossa_14
383: VanLee_14
384: Wyatt2_13 + 17
385: DirkDirk_13 + 1
386: Faith1_13 + 21
387: OverPar_13 + 2
388: SoJulia_13 + 8
389: DanBing_12 + 3
390: DHan_13
391: Bazzle_13
392: Archie_13
393: Rossetti_13
394: Tourach_13
395: GuuelaD_13
396: Shenia_14 + 13
397: DuncansLeg_14 + 4
398: MiniMac_14 + 2
399: Whirlwind_15
400: Krypton555_14

Pham 330267


401: Sheng711_13 + 4
402: DyoEdafos_14
403: Bromden_14
404: Kropertea_13
405: Douge_13
406: ChutneyChips_13
407: FarmResident_13
408: Chaser_13
409: Aegeus_13 + 1
410: Bongo_23 + 12
411: RoseMarie_23
412: Reindeer_21
413: Bricole_23 + 1
414: SlimJimmy_22
415: GenevaB15_27 + 1
416: Estes_28
417: GardenSalsa_27 + 1
418: Rey_27
419: Nanosmile_27
420: Mori_46 + 31
421: Wogge42_46
422: Ryadel_51
423: JolieB_46 + 19
424: Mendokyser_13 + 1
425: Whitty_14 + 5
426: Stellammi_10
427: Azrael100_34
428: Cosmo_35 + 2
429: EnlyanLRS_32
430: Gaia_10 + 1
431: Faiyaz_19 + 1
432: Hilltoplarm_19 + 1
433: Bipper_19
434: Cracklewink_19
435: P1201_38
436: ChewyVmi_49
437: DS6A_16
438: Samy_17
439: Gallia_31
440: Arv2_11
441: Spartoi_11
442: REQ2_12
443: Whack_12
444: GMA4_13
445: MooMoo_11
446: Kumao_22

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 330267 Report

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

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

Pham number 330267 has 1152 members, 117 are drafts.

Phages represented in each track:
- Track 1 : 8UZL_15, Maco6_13, LongHai_16, Salvus_16, Muddy_15
- Track 2 : JacoRen57_12
- Track 3 : FF47_15
- Track 4 : NoShow_13
- Track 5 : Farewell_11
- Track 6 : Sparky_11
- Track 7 : MalagasyRose_19
- Track 8 : Nergal_17
- Track 9 : AbbyDaisy_13
- Track 10 : Raqqa_13
- Track 11 : SPB78_13
- Track 12 : Kubed_11
- Track 13 : Ouroboros_11
- Track 14 : P14.4_11
- Track 15 : PHL114L00_11
- Track 16 : Enoki_11
- Track 17 : Leviosa_11
- Track 18 : P104B_11
- Track 19 : Wizzo_11, PA6_11
- Track 20 : PAD20_11
- Track 21 : ATCC29399BC_11
- Track 22 : QueenBey_11
- Track 23 : Pirate_11, P108C_11, Enochoraptor_11
- Track 24 : P100A_11
- Track 25 : Solid_11, P107C_11
- Track 26 : P106A_11, P106C_11, P106I_11, P106M_11, P106L_11
- Track 27 : LilBandit_11
- Track 28 : P107A_11
- Track 29 : Cota_11, MrAK_11
- Track 30 : ATCC29399BT_11
- Track 31 : SKKY_11
- Track 32 : P100.1_11
- Track 33 : PHL010M04_11

• Track 34 : Keiki_11
• Track 35 : MEAK_11
• Track 36 : Attacne_11
• Track 37 : PAS50_11
• Track 38 : PHL060L00_11
• Track 39 : Moyashi_11
• Track 40 : P105_11
• Track 41 : Aquarius_11
• Track 42 : PHL112N00_11
• Track 43 : DrParker_11
• Track 44 : Lauchelly_11
• Track 45 : PHL067M10_11
• Track 46 : P101A_11
• Track 47 : P100D_11
• Track 48 : PHL113M01_11
• Track 49 : P104A_11
• Track 50 : PHL037M02_11
• Track 51 : Rileysaurus_11
• Track 52 : BruceLethal_11
• Track 53 : Procrass1_11
• Track 54 : PHL111M01_11
• Track 55 : PHL071N05_11
• Track 56 : Supernova_11
• Track 57 : P9.1_11
• Track 58 : P1.1_11
• Track 59 : Stormborn_11
• Track 60 : ClubL_42, Geeche_41, Bachita_44, PhinkBoden_42, Aphelion_42, Cucurbita_44, Lozinak_42, Smoothie_43, Engineer_43, Toniann_42, Norvs_43
• Track 61 : Dusty_41, Abscondus_41, Miskis_40, Culver_42
• Track 62 : WilliamBoone_42
• Track 63 : OneUp_36, BrutonGaster_30
• Track 64 : GTE5_26, GRU1_25, Turuncu_39, Dalilpop_40
• Track 65 : Flapper_39
• Track 66 : GrootJr_37, Jifall16_34, Foxboro_36, Tracker_35, Arti_35, NovumRegina_35, Phomeo_34, Emianna_35, Wheezy_35, Kurt_35, NatB6_35
• Track 67 : StarStruck_36, Outis_36, Buggaboo_36, SuperSulley_36, MerCougar_36
• Track 68 : NosilaM_38, Kabluna_38
• Track 69 : Commandaria_37
• Track 70 : GTE8_24
• Track 71 : Bonum_38
• Track 72 : KidneyBean_35
• Track 73 : Ennea_41, RedRaider_42, Lollipop1437_40, Patio_38, Float294_37, Skysand_37
• Track 74 : Marietta_37
• Track 75 : Yndexa_37, NadineRae_35, Sukkupi_37, BiPauneto_38, Pemberton_38, IDyn_36
• Track 76 : WhoseManz_37, HubbaBubba_33
• Track 77 : Fury_44, Pleakley_44, Scuba_44
• Track 78 : HomeFry_41
• Track 79 : Gagieri_39
• Track 80 : Apiary_39, Polyyuki_39, Maselop_39, CoffeeBean_39, Braxoaddie_39
• Track 81 : MacGully_43
• Track 82 : Banquo_21, TinaLin_20

• Track 83 : Vendetta_17, Splinter_17, Goib_18
• Track 84 : DinoDaryn_19, Huffy_19, TZGordon_19
• Track 85 : Gsput1_15
• Track 86 : Dardanus_19
• Track 87 : Schmidt_15
• Track 88 : Catfish_16
• Track 89 : Malachai_14, Begonia_14
• Track 90 : Samba_14
• Track 91 : CheeseSpider_16
• Track 92 : Azula_16, Gambino_16, MissRona_16, Blueberry_16
• Track 93 : Archis_15, Barco_14, JuJu_14, Guacamole_14, JasperJr_14, UmaThurman_14, MintFen_14, CaptainKirk2_14, Melba_14, BlingBling_14, Delian_14, Fenry_13, Zarbodnamra_14
• Track 94 : KappaFarmDelta_14
• Track 95 : ZiggyZoo_13, Lysidious_14, Petra_16, CarolAnn_14, Zilla_14, Jalammah_15, Mellie_13, Blino_14, Wisp_13, Hitter_14, PhrostedPhlake_15, Soilmate_14, Walrus_15
• Track 96 : PCoral7_14, William_14, PrincePatrick_14
• Track 97 : Murp_14
• Track 98 : Obliviate_13
• Track 99 : Pipp_14
• Track 100 : Frokostdame_14
• Track 101 : Utz_14
• Track 102 : Fairfaxidum_14
• Track 103 : Toast_14
• Track 104 : Wocket_15
• Track 105 : Cardigan_40, Yvonnetastic_39, JonJames_41
• Track 106 : Morkie_12, InLimbo_13, PhorbesPhlower_12
• Track 107 : Lucky10_12
• Track 108 : Towmatter_22, Daredevil_23
• Track 109 : DatBoi_25
• Track 110 : Bantam_24
• Track 111 : SpeedDemon_250
• Track 112 : Mollymur_25
• Track 113 : Ecliptus_13
• Track 114 : Malisha_13, Spooky_13
• Track 115 : ODay_13
• Track 116 : BearBQ_13, MortyNRick_13, Birdsong_13
• Track 117 : Leroy_13, Budski_13, Phabuloso_13, Frickyeah_13, Squiddly_14, Kenna_13, BotCity_13, CheeseTouch_13, LitninMcQueen_13, Phistory_13, BENtherdunthat_13, Horus_13, ShawBrad_13, Kamaru_13, Getalong_13, Periwinkle_13, Lutum_13, Holliday_13, Asapag_13, Whitney_13
• Track 118 : Kuwabara_13, Apricot_13, Crater_13
• Track 119 : Volt_47, Fryberger_45, Ronaldo_48, Ziko_48, Guey18_50
• Track 120 : Keelan_43
• Track 121 : Octobien14_22
• Track 122 : Syleon_22
• Track 123 : Sephiroth_22, Kudefre_21
• Track 124 : Neville_21
• Track 125 : LilJank_21
• Track 126 : Trax_21
• Track 127 : Rabbitrun_23

• Track 128 : Morgana_13, ObLaDi_13, Aleemily_13, ModicumRichard_13, Cafasso_13
• Track 129 : C3PO_23, Cruella_23, PotatoChip_23, PeteyPab_22, Kimchi1738_23, Stickynote_25, Darwin_26, Zion_23
• Track 130 : Doomslug_13
• Track 131 : Clank_11
• Track 132 : ShiLan_11
• Track 133 : JalFarm20_12
• Track 134 : Clifton_11, Zerg_11, Nitzel_12, Minnie_11, Eradicator_11, Koella_11, Peridot_13, Sandalphon_11, Jennelsea_11
• Track 135 : Aubs_11
• Track 136 : Rockne_11, PMC_11, Llij_11, Phatniss_11
• Track 137 : Sabbb_11
• Track 138 : Flathead_12
• Track 139 : PhesterPhotato_11
• Track 140 : SG4_11
• Track 141 : Boomer_12
• Track 142 : Beanstalk_12, DosHalletts_12, Spikelee_12
• Track 143 : ByChance_11, Kersh_11, Cabrinians_11, FreddyB_11, Priscilla_11
• Track 144 : IMpilo_11
• Track 145 : Madiba_12
• Track 146 : Enzomatic_12, Phanphagia_11, Shauna1_11, DotProduct_11, NewHope4_11, Polo2Bam_12, LunaBlu_11, Guppsters_11, WillSterrel_11, Galactic_11, Spartacus_11, IrishSherpFalk_11, SeaLumen_11
• Track 147 : VRedHorse_11, RockyHorror_12, Mantra_11
• Track 148 : Cerasum_12, BigPhil_12, Brookers_12, Velveteen_12, Sarma624_12, Kingsley_12
• Track 149 : UncleRicky_12, Drago_12
• Track 150 : Pacc40_11, Daenerys_11, Dorothy_11
• Track 151 : MilanaBonita_12, Akhila_12
• Track 152 : Aloeri_12, DocMcStuffins_12, TDanisky_11, DRBy19_11, ChickenDinner_12, MadMen_11, Sparkdehlily_11
• Track 153 : Tootsieroll_12, Karhdo_11, Radiance_11, Stap_12
• Track 154 : Doug_11
• Track 155 : Vivum_11
• Track 156 : OfUltron_11, Nichirin_11, Llama_11, Modragons_11, AlpineSix_11, Ochi17_11, Jinglebell_11, Seabastian_11
• Track 157 : Gandalph_11
• Track 158 : LittleShirley_12, MulchSalad_11
• Track 159 : Hades_11, Violac_11
• Track 160 : StAnnes_11
• Track 161 : RedBird_11, Doomphist_11, BlueCrab_11, IbOuu_11, Nimbo_11, OldBen_11, Poenanya_11, Leperchaun_11, JoeyJr_11, Deb65_11, DaddyRickover_11, PHappiness_11, Geralt_11, Scottish_11, BodEinwohner17_11
• Track 162 : Mattes_11, LastJedi_11, James_11, BobaPhett_11
• Track 163 : Firehouse51_11
• Track 164 : EleanorGeorge_11
• Track 165 : Strokeseat_11, Mandlovu_11, Hlubikazi_11
• Track 166 : OwlsT2W_12
• Track 167 : Dante_11, Alexphander_12
• Track 168 : Crumble_11, OlympiaSaint_11, NormanBulbieJr_11
• Track 169 : Mova_12
• Track 170 : Oksu_12

• Track 171 : Moonbeam_11, Totinger_12, Rialto_12, EmiMonkey_11, Emmaloid_12, Slim_12, PhlipPhlop_11
• Track 172 : Ibhubesi_11, Harley_11
• Track 173 : Mozy_12, Chevrolet_11, ArcusAngelus_11
• Track 174 : SuperGrey_11, DoRead_11, Rita_11, Kenuha5_11
• Track 175 : MisterCuddles_11, Girr_11, Spoonbill_11
• Track 176 : PatoPoderoso_11, KingJulian_11, Corium_11
• Track 177 : MinionDave_12
• Track 178 : Brushbloom_12
• Track 179 : GUmbie_11, Veteran_11
• Track 180 : Pippy_11, Gorge_11, GigiOuiOui_11, Brocalys_11, Saal_11
• Track 181 : Bobi_12
• Track 182 : Chuckly_11
• Track 183 : Job42_12
• Track 184 : Ramsey_12
• Track 185 : Burwell21_11, SwagPigglett_11, ShowerHandel_11, Jarcob_11, Maravista_11, Martik_11, Zizzle_11, Lizziana_11, Nivrat_11, Philus_11
• Track 186 : Mwanjiwa_11
• Track 187 : Fancypants_11
• Track 188 : Jant_11, Melissauren88_11, QuickMath_11, Fruitloop_11, CaptainTrips_12
• Track 189 : Che8_11
• Track 190 : Blexus_11
• Track 191 : ShroomBoi_11, Batiatus_11, MilleniumForce_12, DillTech15_11, Ardmore_11, XFactor_11
• Track 192 : Lucia_12
• Track 193 : Topiatin_13, Wee_11, Tweety_11, KristaRAM_12
• Track 194 : Leozinho_12
• Track 195 : Ovechkin_11, Ms6_11
• Track 196 : DaWorst_12, Plumbus_12, Juice456_12, MulchExplorer_12, Kimberlium_12
• Track 197 : SimranZ1_12
• Track 198 : DLane_11
• Track 199 : Donkeykong_11
• Track 200 : Starcevich_12
• Track 201 : Byougenkin_11
• Track 202 : Bipolar_11
• Track 203 : Mutaforma13_11
• Track 204 : TootsiePop_12, LordVader_12, Misha28_12
• Track 205 : Royals2015_11
• Track 206 : Bubbles123_11
• Track 207 : Wachhund_11, Estave1_11, Beakin_12
• Track 208 : Tchotchke_12
• Track 209 : Ogopogo_14
• Track 210 : Quico_12, Girafales_12
• Track 211 : Phalconet_11
• Track 212 : Emma_11
• Track 213 : Mahavrat_11, Juniper1_11
• Track 214 : Inventum_11
• Track 215 : Eish_11
• Track 216 : Krakatau_12
• Track 217 : Hegedechwinu_12
• Track 218 : Hamulus_11, DeadP_11, Taj_11

• Track 219 : SiSi_11
• Track 220 : Awesomesauce_12, Fastidio_11, Piper2020_12
• Track 221 : Yorick_11
• Track 222 : Empress_11
• Track 223 : Polka14_11, Pollywog_12, Sassafras_11
• Track 224 : SassyB_11, PopTart_11
• Track 225 : Filuzino_11, Whatsapiecost_11, Medindi_11
• Track 226 : Seagreen_12
• Track 227 : BuzzLyseyear_12
• Track 228 : Cornucopia_12
• Track 229 : Ruby_11
• Track 230 : Whouxphf_11
• Track 231 : Coco12_12, LilMoolah_11
• Track 232 : Lorde_12, Enby_12, DirtMcgirt_12
• Track 233 : Phasih_11
• Track 234 : KingMidas_11
• Track 235 : Florinda_11
• Track 236 : RitaG_11
• Track 237 : Latretium_11
• Track 238 : Frankie_12
• Track 239 : Marker_12
• Track 240 : Cheesepuff_11
• Track 241 : Grimmer_12
• Track 242 : Demsculpinboyz_14, Avani_14, SilverChicken_14, Blarby_15, Che9d_14, Zapner_15, Jabbawokkie_15, Yoshi_14
• Track 243 : Soul22_14
• Track 244 : Squirty_12
• Track 245 : LunaStella_12, TChen_12
• Track 246 : ThetaBob_12
• Track 247 : Renaud18_12
• Track 248 : Cornie_12
• Track 249 : Toron_12
• Track 250 : Okabe_13
• Track 251 : Rooter_11, JeanClaude_12, Sarge_12, Shoya_11
• Track 252 : BrayBeast_12
• Track 253 : Alatato_11
• Track 254 : Pigu_11
• Track 255 : Gibbzilla_14
• Track 256 : Kumotta_13
• Track 257 : MargaretKali_13
• Track 258 : Lenoxika_16, Schism_16, Guinevere_16, Saintcarr_15, Nandita_16, Donatella_15
• Track 259 : Cole_14, Kihatsu_17, BigSherm_16, QuinnAvery_16, ToastyOats_18
• Track 260 : Zaheer_16, Ichiang_14
• Track 261 : Dirtdigger_16, IsHungry_16, AllBusiness_15, Gusanita_14
• Track 262 : MillySue_16
• Track 263 : GoodLuckBabe_16
• Track 264 : Julie_16
• Track 265 : Elesar_15
• Track 266 : Halloweekend_14, Yonex_16, Ryan_16
• Track 267 : Popper_14
• Track 268 : Toodles_16
• Track 269 : Bauer_15, Zucker_14

• Track 270 : BellaJr_15
• Track 271 : BlackSpider_13
• Track 272 : CocoCinnamon_16
• Track 273 : Maja_12
• Track 274 : Scotia_14
• Track 275 : NoSwimming_14
• Track 276 : Hereford_14
• Track 277 : Aoka_13
• Track 278 : EvenBluerMoon_13, PrairieDogTown_13, Morrey_19
• Track 279 : JanetJ_13
• Track 280 : Merpity_13, MrSmee_12, Skitty_12, Cassini_13
• Track 281 : AnnabelLee_14, CardboardBox_14, ChamoyPickle_14, Gerri43_14, Roberts_14, Neuvillette_14, ChipsNGuac_14
• Track 282 : Agamotto_16
• Track 283 : Makima_15, LastNadiia_17
• Track 284 : Studio_14, Ezurina_13
• Track 285 : TripleC_17
• Track 286 : TMaxx_14
• Track 287 : Mireles_14
• Track 288 : Audell_17
• Track 289 : PinkYoshi_13, Rattrick_13, CassieYates_13, Angel_13, TomBrady_13, ECartman_13, OctaviousRex_13, Gomashi_13, DNAIII_0013, Periodt_13, Avrafan_13, Schiebel_13, DingDing_13, Hotshotbaby7_13, Marmie_13, Cedasite_13, Renaissance_13, Gideon_13, AzulaCat_13, BPs_13, Jeilious_13, ZoMa_13, Jolene_13, BQuat_13, DMoney_13, Maliketh_13, Neoh_13, Plagueis_13, Annihilator_13, Aroostook_13, Kareem_13, Chance64_13, BruceB_13, Crespo_13, Darionha_13, Ruriko_13, CLED96_13, Sweets_13, AizenPogi_13, Remy19_13, Olga_13, Richarlison_13, Kasen3_13, Hope_13, Mowgli_13, Zombie_13, MZKinsey_13, LouisV14_13, Camri_13, JorRay_13, Cherrybomb426_13, Phreak_13, ShaboiShabazz_13, Phloodle_13, Jane_13, Wendigo_13, GoldenAsh_13, Jonghyun_13, Phish_13, Sizemore_13, Coleslaw_13, Primanti_13, Frosty24_13
• Track 290 : Paito_13
• Track 291 : ForeverHowLong_13, Halo_13, TinaBug_13
• Track 292 : Taheera_13, Terror_13
• Track 293 : Barkley26_13, Peeb_13, Liefie_13, Grizzly_13
• Track 294 : Rabbs_13, Sneeze_13
• Track 295 : FlagStaff_13, Pace1224_13
• Track 296 : Avocado_13
• Track 297 : GodSpeed_13
• Track 298 : Cambiare_14
• Track 299 : Cloudyecho_13
• Track 300 : MOOREtheMARYer_13, Pinnie_14
• Track 301 : Jolie2_13
• Track 302 : Lemuria_13
• Track 303 : Mercurio_14
• Track 304 : Antsirabe_13
• Track 305 : Stargaze_13
• Track 306 : YangYin_13
• Track 307 : Babsiella_13
• Track 308 : Xula_12, PaintedDog_12
• Track 309 : QueenHazel_13, Island3_13, Brujita_13
• Track 310 : HC_13
• Track 311 : Sbash_12

• Track 312 : Che9c_12
• Track 313 : Stuck_12
• Track 314 : Bluvara_13
• Track 315 : LilPharaoh_14, Nutello_14, Teejan_14, Mdavu_14, Trice_14, Amelie_14, Biglebops_14, Enkosi_14, Torres_14, SgtBeansprout_14, Nikao_14
• Track 316 : Yunkel11_18, Efra2_18, Guanica15_18
• Track 317 : CheetoDust_18
• Track 318 : SamuelLPlaqson_18, Urkel_18, Anma_18, TiniBug_18, DrHayes_18
• Track 319 : Bella96_18
• Track 320 : Belladonna_18, Angelica_18, Rosmarinus_18, Peel_18, CREW_18, Inky_18, BaghaKamala_18, Zavala_18, Capricorn_18, Lunahalos_18, CrimD_18, Deby_18, Durfee_18, Mynx_18, Rapunzel97_18, Ramen_18, Jarvi_18, BGlluviae_18, Megsy_18, Piatt_18, Boiiii_18, Hyperbowlee_18, Slimphazie_18, YoureAdopted_17, Spock_18, Twitch_18, Llorens_18, Blizzard_18, Jayhawk_18, BarrelRoll_18, CaseJules_18, Asayake_18, Apocalypse_18, BEEST_18, Zabiza_18, Adephagia_18, ActinUp_18, Joy99_18, JAWS_18, HedwigODU_18, Homura_18, TaiwanKao_19, MeaningOfLife_18, ShiaSurprise_18, Sulley_18, TruffulaTree_18, Dalmuri_18, Padfoot_18, Jeckyll_18, Topper_18
• Track 321 : Ganymede_19, Atiba_18, CallaLilly_18, Tachez_18, Beezoo_18, Geraldini_18, QuincyRose_17, Tiri_18, Adonis_18, Pokerus_17
• Track 322 : Dole_18, Illumine_18, Devera_18, Bern_18
• Track 323 : Stinson_18, Murucutumbu_18, LaterM_18, Ageofdapage_18
• Track 324 : AlishaPH_18, Emerson_18, Padpat_18, Veliki_18
• Track 325 : Dartin_18, Peanam_18, Shaobing_18, McMater_18, Niklas_18, Richo_18
• Track 326 : MarkPhew_18
• Track 327 : Pisa4_17, Pisa1_17
• Track 328 : DartGoblin_18
• Track 329 : Prithvi_18, TreyKay_18, LindNT_18
• Track 330 : LastHope_18
• Track 331 : KiSi_17, Oscar_17, Scarlett_17, LeMond_17
• Track 332 : Clipper_18, MacKat_18
• Track 333 : Validus_18
• Track 334 : Chris_17
• Track 335 : TingHuaYa_18
• Track 336 : Curiosium_19
• Track 337 : Chavito_18
• Track 338 : Anaya_19
• Track 339 : Nibb_17
• Track 340 : Findley_14, DismalFunk_14, Strobilo_14, Milly_14, DismalStressor_14, Marcoliusprime_14
• Track 341 : ZoeJ_14
• Track 342 : BoostSeason_14, Doughnut_14
• Track 343 : TM4_14
• Track 344 : Mufasa_14
• Track 345 : Pixie_17, Keshu_17, TBond007_17, Hurricane_17, Lea83_17
• Track 346 : ShedlockHolmes_17
• Track 347 : MacnCheese_18
• Track 348 : Pharb_17
• Track 349 : TribleTrouble_16
• Track 350 : Slarp_19, Fionnbharth_19, Chancellor_19, OmniCritical_19, DanSyl44_19, Mitti_19, Wintermute_19, Cheetobro_19, Lebo14_19, YasnayaPolyana_19, Qhanda_19, SamScheppers_17

• Track 351 : Y2_19, Y10_19, JF1_19
• Track 352 : Juliette_19, Taquito_17, Eponine_19, Ruthiejr_18
• Track 353 : Kraw_19, Malthus_19
• Track 354 : MissDaisy_19, Patt_19, Bobquesha_19, Reptar3000_19
• Track 355 : Dadosky_16, AlleyCat_16, Psycho_16, Neighly_16, Larva_16
• Track 356 : Heftyboy_16, SoSeph_16
• Track 357 : Omnicron_16
• Track 358 : InvictusManeo_16, Agent47_16, ViviJ_15, Collard_16, DoubleChamp_16, BananenDer11_16, LilDirt_15
• Track 359 : Edugator_15, Kratio_15
• Track 360 : Miryou_16, OkiRoe_16, Guillsminger_16, Paola_16, Leston_16, Gengar_16
• Track 361 : Rando14_16
• Track 362 : Thyatira_16, Feyre_16, Waterfoul_16
• Track 363 : Amgine_16
• Track 364 : Phrank_17, Cain_17, Tierra_17, Bryler_17
• Track 365 : Hammy_17, DarthP_17, November_16
• Track 366 : Ekdilam_15
• Track 367 : Ellie_15
• Track 368 : Syra333_17, Krueger_17, Tigress9_17
• Track 369 : Yuna_18
• Track 370 : Shadow1_16, Sunflower1121_16
• Track 371 : Marshawn_19
• Track 372 : Applecrisp_16
• Track 373 : Fefferhead_17
• Track 374 : TClif_17
• Track 375 : Amohnition_17
• Track 376 : PhelpsODU_17, Unicorn_17
• Track 377 : Ximenita_18
• Track 378 : SirPhilip_17
• Track 379 : Lavahound_16
• Track 380 : Aminay_16
• Track 381 : Boilgate_15
• Track 382 : Colossa_14
• Track 383 : VanLee_14
• Track 384 : Wyatt2_13, LeBron_13, Halena_13, MAckerman_13, Appletree2_13, Poochiewood_13, UPIE_13, Silverleaf_13, AvadaKedavra_13, Rose5_13, Acquire49_13, Enceladus_13, Calm_13, Zaria_13, CicholasNage_13, Wamburgrxpress_13, Tyson_13, JoeDirt_13
• Track 385 : DirkDirk_13, OhShagHennessy_13
• Track 386 : Faith1_13, DrSeegs_13, Zakai_13, Hiraya_13, Crossroads_13, Gabriela_13, Netyap_13, Itos_13, BigCheese_13, MkaliMitinis3_13, Breezona_13, Molivier_13, Soap141_13, Sarshaun_13, Hafay_13, BobsGarage_13, Lynnae_13, Rumpelstiltskin_13, Miley16_13, Lewan_13, Vetrix_13, Winky_13
• Track 387 : OverPar_13, Wigglewiggle_13, Loadrie_13
• Track 388 : SoJulia_13, Finemlucis_13, Nicholasp3_13, Underpass_13, LilDestine_13, Kahlid_13, ChengKai98_13, Gardann_13, Wilder_13
• Track 389 : DanBing_12, ZhongYanYuan_12, Baoshan_12, Claus_13
• Track 390 : DHan_13
• Track 391 : Bazzle_13
• Track 392 : Archie_13
• Track 393 : Rossetti_13
• Track 394 : Tourach_13

• Track 395 : GuuelaD_13
• Track 396 : Snenia_14, Finnry_14, Clautastrophe_14, MsGreen_14, Jobypre_14, Red305_14, Jubie_14, Kingsolomon_14, Bellis_14, TriFive_14, Nicholas_14, Moostard_14, Samty_14, Lumos_14
• Track 397 : DuncansLeg_14, BourbonZero_13, KirDoubleO7_12, LiyuLake_14, Ellson_14
• Track 398 : MiniMac_14, Lolly9_14, MiniLon_14
• Track 399 : Whirlwind_15
• Track 400 : Krypton555_14
• Track 401 : Sheng711_13, BrainDrainer_14, Douzhi_13, Quby_13, PYPDinur_13
• Track 402 : DyoEdafos_14
• Track 403 : Bromden_14
• Track 404 : Kropertea_13
• Track 405 : Douge_13
• Track 406 : ChutneyChips_13
• Track 407 : FarmResident_13
• Track 408 : Chaser_13
• Track 409 : Aegeus_13, Baudelaire_13
• Track 410 : Bongo_23, Auspice_23, TpudiCK_24, Izel_24, Glaske16_24, FreakyGoo_24, LilhomieP_22, Dulcita_24, IPhane7_23, PegLeg_23, Diminimus_24, TyDawg_23, Skinny_24
• Track 411 : RoseMarie_23
• Track 412 : Reindeer_21
• Track 413 : Bricole_23, KleverKiS_23
• Track 414 : SlimJimmy_22
• Track 415 : GenevaB15_27, Aziz_27
• Track 416 : Estes_28
• Track 417 : GardenSalsa_27, MrMagoo_27
• Track 418 : Rey_27
• Track 419 : Nanosmite_27
• Track 420 : Mori_46, Imara_47, Dylan_46, Alkhayr_47, Firecracker_47, Ashwin_48, Zakhe101_47, Murai_47, Winget_48, Schuy_48, Familton_48, FoulBall_47, Krili_46, Blessica_48, NiebruSaylor_46, KingPhillip3_47, Bora_44, SchoolBus_47, Zebo_47, Wildflower_47, JangDynasty_47, Shida_47, Vorrps_46, YoyoKar_45, Vagabond_47, Smooch_49, Corndog_49, Idergollasper_47, YungJamal_50, MadKillah_48, TelAviv_44, Catdawg_47
• Track 421 : Wogge42_46
• Track 422 : Ryadel_51
• Track 423 : JoieB_46, LittleLaf_45, Beelzebub_49, Blackbeetle_45, Corazon_43, Marvin_43, Lilbit_44, RedRaider77_45, Pringar_45, VasuNzinga_45, FeliMaine_47, Huphlepuff_47, MosMoris_43, Tesla_44, GoongGoong_44, Clarkson_46, Gattaca_44, Poise_45, Raela_45, Caprice_44
• Track 424 : Mendokysei_13, Nette_14
• Track 425 : Whitty_14, Nairb_14, Ibrahim_14, Bernal13_14, RonRayGun_14, ZenTime222_14
• Track 426 : Stellammi_10
• Track 427 : Azrael100_34
• Track 428 : Cosmo_35, MaryV_35, Wildcat_35
• Track 429 : EniyanLRS_32
• Track 430 : Gaia_10, Nebkiss_10
• Track 431 : Faiyaz_19, AuntGwenStacy_19
• Track 432 : Hilltopfarm_19, Typha_19
• Track 433 : Bipper_19

• Track 434 : Cracklewink_19
• Track 435 : P1201_38
• Track 436 : ChewyVIII_49
• Track 437 : DS6A_16
• Track 438 : Samy_17
• Track 439 : Gallia_31
• Track 440 : ArV2_11
• Track 441 : Spartoi_11
• Track 442 : REQ2_12
• Track 443 : Whack_12
• Track 444 : GMA4_13
• Track 445 : MooMoo_11
• Track 446 : Kumao_22

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

The start number called the most often in the published annotations is 50, it was called in 270 of the 1035 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_13, Abscondus_41, Acquire49_13, Aegeus_13, Alatato_11, AllBusiness_15, Aoka_13, Aphelion_42, Apiary_39, Appletree2_13, Archie_13, Arti_35, Auspice_23, AvadaKedavra_13, Aziz_27, Azrael100_34, Bachita_44, Bantam_24, Baoshan_12, Baudelaire_13, Bauer_15, Bazzle_13, Beelzebub_49, BellaJr_15, Bellis_14, Bernal13_14, BiPauneto_38, BigCheese_13, BigSherm_16, BlackSpider_13, Blackbeetle_45, BobsGarage_13, Bongo_23, Bonum_38, BourbonZero_13, BrainDrainer_14, Braxoaddie_39, BrayBeast_12, Breezona_13, Bricole_23, Bromden_14, BrutonGaster_30, Buggaboo_36, C3PO_23, Calm_13, Caprice_44, Cardigan_40, Cassini_13, Chaser_13, ChengKai98_13, ChewyVIII_49, ChutneyChips_13, CicholasNage_13, Clarkson_46, Claus_13, Clautastrophe_14, ClubL_42, CoffeeBean_39, Cole_14, Commandaria_37, Corazon_43, Cosmo_35, Crossroads_13, Cruella_23, Cucurbita_44, Culver_42, DHan_13, Dalilpop_40, DanBing_12, Daredevil_23, Darwin_26, DatBoi_25, Diminimus_24, DirkDirk_13, Dirtdigger_16, DismalFunk_14, DismalStressor_14, Donatella_15, Douge_13, Douzhi_13, DrSeegs_13, Dulcita_24, DuncansLeg_14, Dusty_41, DyoEdafos_14, Elesar_15, Ellson_14, Emianna_35, Enceladus_13, Engineer_43, EniyanLRS_32, Ennea_41, Estes_28, EvenBluerMoon_13, Faith1_13, FarmResident_13, FeliMaine_47, Findley_14, Finemlucis_13, Finnry_14, Flapper_39, Float294_37, Foxboro_36, FreakyGoo_24, Fury_44, GMA4_13, GRU1_25, GTE5_26, GTE8_24, Gabriela_13, Gagieri_39, Gallia_31, Gardann_13, GardenSalsa_27, Gattaca_44, Geeche_41, GenevaB15_27, Glaske16_24, GoodLuckBabe_16, GoongGoong_44, GrootJr_37, Guinevere_16, Gusanita_14, GuuelaD_13, Hafay_13, Halena_13, Halloweekend_14, Hereford_14, Hiraya_13, HomeFry_41, HubbaBubba_33, Huphlepuff_47, IDyn_36, IPhane7_23, Ibrahim_14, Ichiang_14, IsHungry_16, Itos_13, Izel_24, JanetJ_13, JeanClaude_12, Jifall16_34, Jobypre_14, JoeDirt_13, JoieB_46, JonJames_41, Jubie_14, Julie_16, Kabluna_38, Kahlid_13, KidneyBean_35, Kihatsu_17, Kimchi1738_23, Kingsolomon_14, KirDoubleO7_12, KleverKiS_23, Kropertea_13, Krypton555_14, Kumao_22, Kumotta_13, Kurt_35, LeBron_13, Lenoxika_16, Lewan_13, LilDestine_13, Lilbit_44, LilhomieP_22, LittleLaf_45, LiyuLake_14, Loadrie_13, Lollipop1437_40, Lolly9_14, Lozinak_42,

Lumos_14, Lynnae_13, MAckerman_13, MacGully_43, Maja_12, Marcoliusprime_14, MargaretKali_13, Marietta_37, Marvin_43, MaryV_35, Maselop_39, MerCougar_36, Merpity_13, Miley16_13, MillySue_16, Milly_14, MiniLon_14, MiniMac_14, Miskis_40, MkaliMitinis3_13, Molivier_13, Mollymur_25, Moostard_14, Morrey_19, MosMoris_43, MrMagoo_27, MrSmee_12, MsGreen_14, NadineRae_35, Nairb_14, Nandita_16, Nanosmite_27, NatB6_35, Netyap_13, Nicholas_14, Nicholasp3_13, NoSwimming_14, Norvs_43, NosilaM_38, NovumRegina_35, OhShagHennessy_13, OneUp_36, Outis_36, OverPar_13, P1201_38, PYPDinur_13, Patio_38, PegLeg_23, Pemberton_38, PeteyPab_22, PhinkBoden_42, Phomeo_34, Pigu_11, Pleakley_44, Poise_45, Polyyuki_39, Poochiewood_13, Popper_14, PotatoChip_23, PrairieDogTown_13, Pringar_45, Quby_13, QuinnAvery_16, REQ2_12, Raela_45, Raqqa_13, Red305_14, RedRaider77_45, RedRaider_42, Reindeer_21, Rey_27, RonRayGun_14, Rooter_11, Rose5_13, RoseMarie_23, Rossetti_13, Rumpelstiltskin_13, Ryan_16, Saintcarr_15, Samty_14, Sarge_12, Sarshaun_13, Schism_16, Scuba_44, Sheng711_13, Shoya_11, Silverleaf_13, Skinny_24, Skitty_12, Skysand_37, SlimJimmy_22, Smoothie_43, Snenia_14, SoJulia_13, Soap141_13, SpeedDemon_250, StarStruck_36, Stickynote_25, Strobilo_14, Sukkupi_37, SuperSulley_36, TM4_14, Tesla_44, ToastyOats_18, Toniann_42, Toodles_16, Tourach_13, Towmatter_22, TpudiCK_24, Tracker_35, TriFive_14, Turuncu_39, TyDawg_23, Tyson_13, UPIE_13, Underpass_13, VasuNzinga_45, Vetrix_13, Wamburgrxpress_13, Whack_12, Wheezy_35, Whirlwind_15, Whitty_14, WhoseManz_37, Wigglewiggle_13, Wildcat_35, Wilder_13, WilliamBoone_42, Winky_13, Wyatt2_13, Yndexa_37, Yonex_16, Yvonnetastic_39, Zaheer_16, Zakai_13, Zaria_13, ZenTime222_14, ZhongYanYuan_12, Zion_23, ZoeJ_14, Zucker_14,

Genes that have the "Most Annotated" start but do not call it:
• ArV2_11, CocoCinnamon_16, Scotia_14,

Genes that do not have the "Most Annotated" start:
• 8UZL_15, ATCC29399BC_11, ATCC29399BT_11, ActinUp_18, Adephagia_18, Adonis_18, Agamotto_16, Agent47_16, Ageofdapage_18, AizenPogi_13, Akhila_12, Aleemily_13, Alexphander_12, AlishaPH_18, Alkhayr_47, AlleyCat_16, Aloeri_12, AlpineSix_11, Amelie_14, Amgine_16, Aminay_16, Amohnition_17, Anaya_19, Angel_13, Angelica_18, Anma_18, AnnabelLee_14, Annihilator_13, Antsirabe_13, Apocalypse_18, Applecrisp_16, Apricot_13, Aquarius_11, Archis_15, ArcusAngelus_11, Ardmore_11, Aroostook_13, Asapag_13, Asayake_18, Ashwin_48, Atiba_18, Attacne_11, Aubs_11, Audell_17, AuntGwenStacy_19, Avani_14, Avocado_13, Avrafan_13, Awesomesauce_12, AzulaCat_13, Azula_16, BEEST_18, BENtherdunthat_13, BGlluviae_18, BPs_13, BQuat_13, Babsiella_13, BaghaKamala_18, BananenDer11_16, Banquo_21, Barco_14, Barkley26_13, BarrelRoll_18, Batiatus_11, Beakin_12, Beanstalk_12, BearBQ_13, Beezoo_18, Begonia_14, Bella96_18, Belladonna_18, Bern_18, BigPhil_12, Biglebops_14, Bipolar_11, Bipper_19, Birdsong_13, Blarby_15, Blessica_48, Blexus_11, BlingBling_14, Blino_14, Blizzard_18, BlueCrab_11, Blueberry_16, Bluvara_13, BobaPhett_11, Bobi_12, Bobquesha_19, BodEinwohner17_11, Boiiii_18, Boilgate_15, Boomer_12, BoostSeason_14, Bora_44, BotCity_13, Brocalys_11, Brookers_12, BruceB_13, BruceLethal_11, Brujita_13, Brushbloom_12, Bryler_17, Bubbles123_11, Budski_13, Burwell21_11, BuzzLyseyear_12, ByChance_11, Byougenkin_11, CLED96_13, CREW_18, Cabrinians_11, Cafasso_13, Cain_17, CallaLilly_18, Cambiare_14, Camri_13, Capricorn_18, CaptainKirk2_14, CaptainTrips_12, CardboardBox_14, CarolAnn_14, CaseJules_18, CassieYates_13, Catdawg_47, Catfish_16, Cedasite_13, Cerasum_12, ChamoyPickle_14,

Chance64_13, Chancellor_19, Chavito_18, Che8_11, Che9c_12, Che9d_14, CheeseSpider_16, CheeseTouch_13, Cheesepuff_11, CheetoDust_18, Cheetobro_19, Cherrybomb426_13, Chevrolet_11, ChickenDinner_12, ChipsNGuac_14, Chris_17, Chuckly_11, Clank_11, Clifton_11, Clipper_18, Cloudyecho_13, Coco12_12, Coleslaw_13, Collard_16, Colossa_14, Corium_11, Corndog_49, Cornie_12, Cornucopia_12, Cota_11, Cracklewink_19, Crater_13, Crespo_13, CrimD_18, Crumble_11, Curiosium_19, DLane_11, DMoney_13, DNAIII_0013, DRBy19_11, DS6A_16, DaWorst_12, DaddyRickover_11, Dadosky_16, Daenerys_11, Dalmuri_18, DanSyl44_19, Dante_11, Dardanus_19, Darionha_13, DartGoblin_18, DarthP_17, Dartin_18, DeadP_11, Deb65_11, Deby_18, Delian_14, Demsculpinboyz_14, Devera_18, DillTech15_11, DingDing_13, DinoDaryn_19, DirtMcgirt_12, DoRead_11, DocMcStuffins_12, Dole_18, Donkeykong_11, Doomphist_11, Doomslug_13, Dorothy_11, DosHalletts_12, DotProduct_11, DoubleChamp_16, Doug_11, Doughnut_14, DrHayes_18, DrParker_11, Drago_12, Durfee_18, Dylan_46, ECartman_13, Ecliptus_13, Edugator_15, Efra2_18, Eish_11, Ekdilam_15, EleanorGeorge_11, Ellie_15, Emerson_18, EmiMonkey_11, Emma_11, Emmaloid_12, Empress_11, Enby_12, Enkosi_14, Enochoraptor_11, Enoki_11, Enzomatic_12, Eponine_19, Eradicator_11, Estave1_11, Ezurina_13, FF47_15, Fairfaxidum_14, Faiyaz_19, Familton_48, Fancypants_11, Farewell_11, Fastidio_11, Fefferhead_17, Fenry_13, Feyre_16, Filuzino_11, Fionnbharth_19, Firecracker_47, Firehouse51_11, FlagStaff_13, Flathead_12, Florinda_11, ForeverHowLong_13, FoulBall_47, Frankie_12, FreddyB_11, Frickyeah_13, Frokostdame_14, Frosty24_13, Fruitloop_11, Fryberger_45, GUmbie_11, Gaia_10, Galactic_11, Gambino_16, Gandalph_11, Ganymede_19, Gengar_16, Geraldini_18, Geralt_11, Gerri43_14, Getalong_13, Gibbzilla_14, Gideon_13, GigiOuiOui_11, Girafales_12, Girr_11, GodSpeed_13, Goib_18, GoldenAsh_13, Gomashi_13, Gorge_11, Grimmer_12, Grizzly_13, Gsput1_15, Guacamole_14, Guanica15_18, Guey18_50, Guillsminger_16, Guppsters_11, HC_13, Hades_11, Halo_13, Hammy_17, Hamulus_11, Harley_11, HedwigODU_18, Heftyboy_16, Hegedechwinu_12, Hilltopfarm_19, Hitter_14, Hlubikazi_11, Holliday_13, Homura_18, Hope_13, Horus_13, Hotshotbaby7_13, Huffy_19, Hurricane_17, Hyperbowlee_18, IMpilo_11, IbOuu_11, Ibhubesi_11, Idergollasper_47, Illumine_18, Imara_47, InLimbo_13, Inky_18, Inventum_11, InvictusManeo_16, IrishSherpFalk_11, Island3_13, JAWS_18, JF1_19, Jabbawokkie_15, JacoRen57_12, JalFarm20_12, Jalammah_15, James_11, Jane_13, JangDynasty_47, Jant_11, Jarcob_11, Jarvi_18, JasperJr_14, Jayhawk_18, Jeckyll_18, Jeilious_13, Jennelsea_11, Jinglebell_11, Job42_12, JoeyJr_11, Jolene_13, Jolie2_13, Jonghyun_13, JorRay_13, Joy99_18, JuJu_14, Juice456_12, Juliette_19, Juniper1_11, Kamaru_13, KappaFarmDelta_14, Kareem_13, Karhdo_11, Kasen3_13, Keelan_43, Keiki_11, Kenna_13, Kenuha5_11, Kersh_11, Keshu_17, KiSi_17, Kimberlium_12, KingJulian_11, KingMidas_11, KingPhillip3_47, Kingsley_12, Koella_11, Krakatau_12, Kratio_15, Kraw_19, Krili_46, KristaRAM_12, Krueger_17, Kubed_11, Kudefre_21, Kuwabara_13, Larva_16, LastHope_18, LastJedi_11, LastNadiia_17, LaterM_18, Latretium_11, Lauchelly_11, Lavahound_16, LeMond_17, Lea83_17, Lebo14_19, Lemuria_13, Leozinho_12, Leperchaun_11, Leroy_13, Leston_16, Leviosa_11, Liefie_13, LilBandit_11, LilDirt_15, LilJank_21, LilMoolah_11, LilPharaoh_14, LindNT_18, LitninMcQueen_13, LittleShirley_12, Lizziana_11, Llama_11, Llij_11, Llorens_18, LongHai_16, LordVader_12, Lorde_12, LouisV14_13, Lucia_12, Lucky10_12, LunaBlu_11, LunaStella_12, Lunahalos_18, Lutum_13, Lysidious_14, MEAK_11, MOOREtheMARYer_13, MZKinsey_13, MacKat_18, MacnCheese_18, Maco6_13, MadKillah_48, MadMen_11, Madiba_12, Mahavrat_11, Makima_15, Malachai_14, MalagasyRose_19, Maliketh_13, Malisha_13, Malthus_19, Mandlovu_11, Mantra_11, Maravista_11, MarkPhew_18, Marker_12, Marmie_13, Marshawn_19, Martik_11, Mattes_11, McMater_18,

Mdavu_14, MeaningOfLife_18, Medindi_11, Megsy_18, Melba_14, Melissauren88_11, Mellie_13, Mendokysei_13, Mercurio_14, MilanaBonita_12, MilleniumForce_12, MinionDave_12, Minnie_11, MintFen_14, Mireles_14, Miryou_16, Misha28_12, MissDaisy_19, MissRona_16, MisterCuddles_11, Mitti_19, ModicumRichard_13, Modragons_11, MooMoo_11, Moonbeam_11, Morgana_13, Mori_46, Morkie_12, MortyNRick_13, Mova_12, Mowgli_13, Moyashi_11, Mozy_12, MrAK_11, Ms6_11, Muddy_15, Mufasa_14, MulchExplorer_12, MulchSalad_11, Murai_47, Murp_14, Murucutumbu_18, Mutaforma13_11, Mwanjiwa_11, Mynx_18, Nebkiss_10, Neighly_16, Neoh_13, Nergal_17, Nette_14, Neuvillette_14, Neville_21, NewHope4_11, Nibb_17, Nichirin_11, NiebruSaylor_46, Nikao_14, Niklas_18, Nimbo_11, Nitzel_12, Nivrat_11, NoShow_13, NormanBulbieJr_11, November_16, Nutello_14, ODay_13, ObLaDi_13, Obliviate_13, Ochi17_11, OctaviousRex_13, Octobien14_22, OfUltron_11, Ogopogo_14, Okabe_13, OkiRoe_16, Oksu_12, OldBen_11, Olga_13, OlympiaSaint_11, OmniCritical_19, Omnicron_16, Oscar_17, Ouroboros_11, Ovechkin_11, OwlsT2W_12, P1.1_11, P100.1_11, P100A_11, P100D_11, P101A_11, P104A_11, P104B_11, P105_11, P106A_11, P106C_11, P106I_11, P106L_11, P106M_11, P107A_11, P107C_11, P108C_11, P14.4_11, P9.1_11, PA6_11, PAD20_11, PAS50_11, PCoral7_14, PHL010M04_11, PHL037M02_11, PHL060L00_11, PHL067M10_11, PHL071N05_11, PHL111M01_11, PHL112N00_11, PHL113M01_11, PHL114L00_11, PHappiness_11, PMC_11, Pacc40_11, Pace1224_13, Padfoot_18, Padpat_18, PaintedDog_12, Paito_13, Paola_16, PatoPoderoso_11, Patt_19, Peanam_18, Peeb_13, Peel_18, Peridot_13, Periodt_13, Periwinkle_13, Petra_16, Phabuloso_13, Phalconet_11, Phanphagia_11, Pharb_17, Phasih_11, Phatniss_11, PhelpsODU_17, PhesterPhotato_11, Philus_11, Phish_13, Phistory_13, PhlipPhlop_11, Phloodle_13, PhorbesPhlower_12, Phrank_17, Phreak_13, PhrostedPhlake_15, Piatt_18, PinkYoshi_13, Pinnie_14, Piper2020_12, Pipp_14, Pippy_11, Pirate_11, Pisa1_17, Pisa4_17, Pixie_17, Plagueis_13, Plumbus_12, Poenanya_11, Pokerus_17, Polka14_11, Pollywog_12, Polo2Bam_12, PopTart_11, Primanti_13, PrincePatrick_14, Priscilla_11, Prithvi_18, Procrass1_11, Psycho_16, Qhanda_19, QueenBey_11, QueenHazel_13, QuickMath_11, Quico_12, QuincyRose_17, Rabbitrun_23, Rabbs_13, Radiance_11, Ramen_18, Ramsey_12, Rando14_16, Rapunzel97_18, Rattrick_13, RedBird_11, Remy19_13, Renaissance_13, Renaud18_12, Reptar3000_19, Rialto_12, Richarlison_13, Richo_18, Rileysaurus_11, RitaG_11, Rita_11, Roberts_14, Rockne_11, RockyHorror_12, Ronaldo_48, Rosmarinus_18, Royals2015_11, Ruby_11, Ruriko_13, Ruthiejr_18, Ryadel_51, SG4_11, SKKY_11, SPB78_13, Saal_11, Sabbb_11, Salvus_16, SamScheppers_17, Samba_14, SamuelLPlaqson_18, Samy_17, Sandalphon_11, Sarma624_12, Sassafras_11, SassyB_11, Sbash_12, Scarlett_17, Schiebel_13, Schmidt_15, SchoolBus_47, Schuy_48, Scottish_11, SeaLumen_11, Seabastian_11, Seagreen_12, Sephiroth_22, SgtBeansprout_14, ShaboiShabazz_13, Shadow1_16, Shaobing_18, Shauna1_11, ShawBrad_13, ShedlockHolmes_17, ShiLan_11, ShiaSurprise_18, Shida_47, ShowerHandel_11, ShroomBoi_11, SiSi_11, SilverChicken_14, SimranZ1_12, SirPhilip_17, Sizemore_13, Slarp_19, Slim_12, Slimphazie_18, Smooch_49, Sneeze_13, SoSeph_16, Soilmate_14, Solid_11, Soul22_14, Sparkdehlily_11, Sparky_11, Spartacus_11, Spartoi_11, Spikelee_12, Splinter_17, Spock_18, Spooky_13, Spoonbill_11, Squiddly_14, Squirty_12, StAnnes_11, Stap_12, Starcevich_12, Stargaze_13, Stellammi_10, Stinson_18, Stormborn_11, Strokeseat_11, Stuck_12, Studio_14, Sulley_18, Sunflower1121_16, SuperGrey_11, Supernova_11, SwagPigglett_11, Sweets_13, Syleon_22, Syra333_17, TBond007_17, TChen_12, TClif_17, TDanisky_11, TMaxx_14, TZGordon_19, Tachez_18, Taheera_13, TaiwanKao_19, Taj_11, Taquito_17, Tchotchke_12, Teejan_14, TelAviv_44, Terror_13, ThetaBob_12, Thyatira_16,

Tierra_17, Tigress9_17, TinaBug_13, TinaLin_20, TingHuaYa_18, TiniBug_18, Tiri_18, Toast_14, TomBrady_13, TootsiePop_12, Tootsieroll_12, Topiatin_13, Topper_18, Toron_12, Torres_14, Totinger_12, Trax_21, TreyKay_18, TribleTrouble_16, Trice_14, TripleC_17, TruffulaTree_18, Tweety_11, Twitch_18, Typha_19, UmaThurman_14, UncleRicky_12, Unicorn_17, Urkel_18, Utz_14, VRedHorse_11, Vagabond_47, Validus_18, VanLee_14, Veliki_18, Velveteen_12, Vendetta_17, Veteran_11, Violac_11, ViviJ_15, Vivum_11, Volt_47, Vorrps_46, Wachhund_11, Walrus_15, Waterfoul_16, Wee_11, Wendigo_13, Whatsapiecost_11, Whitney_13, Whouxphf_11, Wildflower_47, WillSterrel_11, William_14, Winget_48, Wintermute_19, Wisp_13, Wizzo_11, Wocket_15, Wogge42_46, XFactor_11, Ximenita_18, Xula_12, Y10_19, Y2_19, YangYin_13, YasnayaPolyana_19, Yorick_11, Yoshi_14, YoureAdopted_17, YoyoKar_45, Yuna_18, YungJamal_50, Yunkel11_18, Zabiza_18, Zakhe101_47, Zapner_15, Zarbodnamra_14, Zavala_18, Zebo_47, Zerg_11, ZiggyZoo_13, Ziko_48, Zilla_14, Zizzle_11, ZoMa_13, Zombie_13,

Summary by start number:

Start 14:
• Found in 10 of 1152 (0.9%) of genes in pham
• Manual Annotations of this start: 3 of 1035
• Called 30.0% of time when present
• Phage (with cluster) where this start called: Boomer_12 (F1), Empress_11 (F1), RitaG_11 (F1),

Start 15:
• Found in 1 of 1152 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1035
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cornie_12 (F5),

Start 16:
• Found in 64 of 1152 (5.6%) of genes in pham
• Manual Annotations of this start: 10 of 1035
• Called 15.6% of time when present
• Phage (with cluster) where this start called: Blexus_11 (F1), Daenerys_11 (F1), Dorothy_11 (F1), Drago_12 (F1), Inventum_11 (F1), Lucia_12 (F1), Pacc40_11 (F1), ShiLan_11 (F1), Starcevich_12 (F1), UncleRicky_12 (F1),

Start 17:
• Found in 22 of 1152 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 1035
• Called 4.5% of time when present
• Phage (with cluster) where this start called: SG4_11 (F1),

Start 20:
• Found in 121 of 1152 (10.5%) of genes in pham
• Manual Annotations of this start: 2 of 1035
• Called 1.7% of time when present
• Phage (with cluster) where this start called: Ogopogo_14 (F1), Ruby_11 (F1),

Start 22:
• Found in 6 of 1152 (0.5%) of genes in pham

• Manual Annotations of this start: 1 of 1035
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Babsiella_13 (I1),

Start 25:
• Found in 5 of 1152 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1035
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Amgine_16 (K6),

Start 29:
• Found in 311 of 1152 (27.0%) of genes in pham
• Manual Annotations of this start: 269 of 1035
• Called 94.2% of time when present
• Phage (with cluster) where this start called: Akhila_12 (F1), Alexphander_12 (F1), Alkhayr_47 (O), Aloeri_12 (F1), AlpineSix_11 (F1), ArcusAngelus_11 (F1), Ardmore_11 (F1), Ashwin_48 (O), Aubs_11 (F1), Awesomesauce_12 (F1), Batiatus_11 (F1), Beakin_12 (F1), Beanstalk_12 (F1), BigPhil_12 (F1), Bipolar_11 (F1), Blessica_48 (O), BlueCrab_11 (F1), Bluvara_13 (I3), BobaPhett_11 (F1), Bobi_12 (F1), BodEinwohner17_11 (F1), Bora_44 (O), Brocalys_11 (F1), Brookers_12 (F1), Brujita_13 (I1), Brushbloom_12 (F1), Bubbles123_11 (F1), Burwell21_11 (F1), BuzzLyseyear_12 (F1), ByChance_11 (F1), Byougenkin_11 (F1), Cabrinians_11 (F1), CaptainTrips_12 (F1), Catdawg_47 (O), Cerasum_12 (F1), Che8_11 (F1), Che9c_12 (I2), Cheesepuff_11 (F1), Chevrolet_11 (F1), ChickenDinner_12 (F1), Chuckly_11 (F1), Clank_11 (F), Clifton_11 (F1), Coco12_12 (F1), Corium_11 (F1), Corndog_49 (O), Cornucopia_12 (F1), Crumble_11 (F1), DLane_11 (F1), DRBy19_11 (F1), DaWorst_12 (F1), DaddyRickover_11 (F1), Dante_11 (F1), DeadP_11 (F1), Deb65_11 (F1), DillTech15_11 (F1), DirtMcgirt_12 (F1), DoRead_11 (F1), DocMcStuffins_12 (F1), Donkeykong_11 (F1), Doomphist_11 (F1), Doomslug_13 (F), DosHalletts_12 (F1), DotProduct_11 (F1), Doug_11 (F1), Dylan_46 (O), Eish_11 (F1), EleanorGeorge_11 (F1), EmiMonkey_11 (F1), Emma_11 (F1), Emmaloid_12 (F1), Enby_12 (F1), Enzomatic_12 (F1), Eradicator_11 (F1), Estave1_11 (F1), Famílton_48 (O), Fancypants_11 (F1), Fastidio_11 (F1), Filuzino_11 (F1), Firecracker_47 (O), Firehouse51_11 (F1), Flathead_12 (F1), Florinda_11 (F1), FoulBall_47 (O), Frankie_12 (F1), FreddyB_11 (F1), Fruitloop_11 (F1), GUmbie_11 (F1), Galactic_11 (F1), Gandalph_11 (F1), Geralt_11 (F1), GigiOuiOui_11 (F1), Girafales_12 (F1), Girr_11 (F1), Gorge_11 (F1), Grimmer_12 (F1), Guppsters_11 (F1), HC_13 (I1), Hades_11 (F1), Hamulus_11 (F1), Harley_11 (F1), Hegedechwinu_12 (F1), Hlubikazi_11 (F1), IMpilo_11 (F1), IbOuu_11 (F1), Ibhubesi_11 (F1), Idergollasper_47 (O), Imara_47 (O), IrishSherpFalk_11 (F1), Island3_13 (I1), JalFarm20_12 (F1), James_11 (F1), JangDynasty_47 (O), Jant_11 (F1), Jarcob_11 (F1), Jennelsea_11 (F1), Jinglebell_11 (F1), Job42_12 (F1), JoeyJr_11 (F1), Juice456_12 (F1), Juniper1_11 (F1), Karhdo_11 (F1), Kenuha5_11 (F1), Kersh_11 (F1), Kimberlium_12 (F1), KingJulian_11 (F1), KingMidas_11 (F1), KingPhillip3_47 (O), Kingsley_12 (F1), Koella_11 (F1), Krakatau_12 (F1), Krili_46 (O), KristaRAM_12 (F1), LastJedi_11 (F1), Latretium_11 (F1), Leozinho_12 (F1), Leperchaun_11 (F1), LilMoolah_11 (F1), LittleShirley_12 (F1), Lizziana_11 (F1), Llama_11 (F1), Llij_11 (F1), LordVader_12 (F), Lorde_12 (F1), LunaBlu_11 (F1), LunaStella_12 (F4), MadKillah_48 (O), MadMen_11 (F1), Madiba_12 (F1), Mahavrat_11 (F1), Mandlovu_11 (F1), Mantra_11 (F1), Maravista_11 (F1), Marker_12 (F1), Martik_11 (F1), Mattes_11 (F1), Medindi_11 (F1), Melissauren88_11 (F1), MilanaBonita_12 (F1), MilleniumForce_12 (F1), MinionDave_12 (F1), Minnie_11 (F1), Misha28_12 (F1), MisterCuddles_11 (F1), Modragons_11 (F1), MooMoo_11

(singleton), Moonbeam_11 (F1), Mori_46 (O), Mova_12 (F1), Mozy_12 (F1), Ms6_11 (F1), MulchExplorer_12 (F1), MulchSalad_11 (F7), Murai_47 (O), Mutaforma13_11 (F1), Mwanjiwa_11 (F1), NewHope4_11 (F1), Nichirin_11 (F1), NiebruSaylor_46 (O), Nimbo_11 (F1), Nitzel_12 (F1), Nivrat_11 (F1), NormanBulbieJr_11 (F1), Ochi17_11 (F1), OfUltron_11 (F1), Okabe_13 (F8), Oksu_12 (F1), OldBen_11 (F1), OlympiaSaint_11 (F1), Ovechkin_11 (F1), OwlsT2W_12 (F1), PHappiness_11 (F1), PMC_11 (F1), PaintedDog_12 (I1), PatoPoderoso_11 (F1), Peridot_13 (F1), Phalconet_11 (F1), Phanphagia_11 (F1), Phasih_11 (F1), Phatniss_11 (F1), PhesterPhotato_11 (F1), Philus_11 (F1), PhlipPhlop_11 (F1), Piper2020_12 (F1), Pippy_11 (F1), Plumbus_12 (F1), Poenanya_11 (F1), Polka14_11 (F1), Pollywog_12 (F1), Polo2Bam_12 (F1), PopTart_11 (F1), Priscilla_11 (F1), QueenHazel_13 (I1), QuickMath_11 (F1), Quico_12 (F1), Radiance_11 (F1), Ramsey_12 (F1), RedBird_11 (F1), Renaud18_12 (F4), Rialto_12 (F1), Rita_11 (F1), Rockne_11 (F1), RockyHorror_12 (F1), Royals2015_11 (F1), Ryadel_51 (O), Saal_11 (F1), Sabbb_11 (F1), Sandalphon_11 (F1), Sarma624_12 (F1), Sassafras_11 (F1), SassyB_11 (F1), Sbash_12 (I2), SchoolBus_47 (O), Schuy_48 (O), Scottish_11 (F1), SeaLumen_11 (F1), Seabastian_11 (F1), Seagreen_12 (F1), Shauna1_11 (F1), Shida_47 (O), ShowerHandel_11 (F1), ShroomBoi_11 (F1), SiSi_11 (F1), SimranZ1_12 (F1), Slim_12 (F1), Smooch_49 (O), Sparkdehlily_11 (F1), Spartacus_11 (F1), Spikelee_12 (F1), Spoonbill_11 (F1), Squirty_12 (F3), StAnnes_11 (F1), Stap_12 (F1), Strokeseat_11 (F1), Stuck_12 (I2), SuperGrey_11 (F1), SwagPigglett_11 (F1), TChen_12 (F4), TDanisky_11 (F1), Taj_11 (F1), Tchotchke_12 (F1), TelAviv_44 (O), ThetaBob_12 (F4), TootsiePop_12 (F1), Tootsieroll_12 (F1), Topiatin_13 (F1), Toron_12 (F6), Totinger_12 (F1), Tweety_11 (F1), VRedHorse_11 (F1), Vagabond_47 (O), Velveteen_12 (F1), Veteran_11 (F1), Violac_11 (F1), Vivum_11 (F1), Vorrps_46 (O), Wachhund_11 (F1), Wee_11 (F1), Whatsapiecost_11 (F1), Whouxphf_11 (F1), Wildflower_47 (O), WillSterrel_11 (F1), Winget_48 (O), Wogge42_46 (O), XFactor_11 (F1), Xula_12 (I1), Yorick_11 (F1), YoyoKar_45 (O), YungJamal_50 (O), Zakhe101_47 (O), Zebo_47 (O), Zerg_11 (F1), Zizzle_11 (F1),

Start 39:
• Found in 4 of 1152 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 1035
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Hilltopfarm_19 (Y), Typha_19 (Y),

Start 41:
• Found in 1 of 1152 (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: ArV2_11 (singleton),

Start 43:
• Found in 6 of 1152 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 1035
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Kudefre_21 (DU1), Sephiroth_22 (DU1),

Start 47:
• Found in 3 of 1152 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 1035
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BoostSeason_14 (K2), Doughnut_14 (K2), Mufasa_14 (K2),

Start 48:
• Found in 20 of 1152 (1.7%) of genes in pham
• Manual Annotations of this start: 14 of 1035
• Called 70.0% of time when present
• Phage (with cluster) where this start called: Aleemily_13 (DZ), Cafasso_13 (DZ), Colossa_14 (KA), LilJank_21 (DU2), ModicumRichard_13 (DZ), Morgana_13 (DZ), Neville_21 (DU2), ObLaDi_13 (DZ), Octobien14_22 (DU1), P14.4_11 (BU), Rabbitrun_23 (DU2), Syleon_22 (DU1), Trax_21 (DU2), VanLee_14 (KA),

Start 49:
• Found in 2 of 1152 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1035
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mendokysei_13 (T), Nette_14 (T),

Start 50:
• Found in 317 of 1152 (27.5%) of genes in pham
• Manual Annotations of this start: 270 of 1035
• Called 99.1% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_13 (AY), Abscondus_41 (CQ1), Acquire49_13 (L1), Aegeus_13 (L5), Alatato_11 (FB), AllBusiness_15 (FF), Aoka_13 (FO), Aphelion_42 (CQ1), Apiary_39 (CR6), Appletree2_13 (L1), Archie_13 (L2), Arti_35 (CR2), Auspice_23 (M1), AvadaKedavra_13 (L1), Aziz_27 (M2), Azrael100_34 (V), Bachita_44 (CQ1), Bantam_24 (DL), Baoshan_12 (L2), Baudelaire_13 (L5), Bauer_15 (FN), Bazzle_13 (L2), Beelzebub_49 (S), BellaJr_15 (FN), Bellis_14 (L3), Bernal13_14 (T), BiPauneto_38 (CR4), BigCheese_13 (L2), BigSherm_16 (FF), BlackSpider_13 (FN), Blackbeetle_45 (S), BobsGarage_13 (L2), Bongo_23 (M1), Bonum_38 (CR2), BourbonZero_13 (L3), BrainDrainer_14 (L4), Braxoaddie_39 (CR6), BrayBeast_12 (FB), Breezona_13 (L2), Bricole_23 (M1), Bromden_14 (L4), BrutonGaster_30 (CQ2), Buggaboo_36 (CR2), C3PO_23 (EN), Calm_13 (L1), Caprice_44 (S), Cardigan_40 (DD), Cassini_13 (FN), Chaser_13 (L4), ChengKai98_13 (L2), ChewyVIII_49 (singleton), ChutneyChips_13 (L4), CicholasNage_13 (L1), Clarkson_46 (S), Claus_13 (L2), Clautastrophe_14 (L3), ClubL_42 (CQ1), CoffeeBean_39 (CR6), Cole_14 (FF), Commandaria_37 (CR2), Corazon_43 (S), Cosmo_35 (V), Crossroads_13 (L2), Cruella_23 (EN), Cucurbita_44 (CQ1), Culver_42 (CQ1), DHan_13 (L2), Dalilpop_40 (CR1), DanBing_12 (L2), Daredevil_23 (DL), Darwin_26 (EN), DatBoi_25 (DL), Diminimus_24 (M1), DirkDirk_13 (L1), Dirtdigger_16 (FF), DismalFunk_14 (K2), DismalStressor_14 (K2), Donatella_15 (FF), Douge_13 (L4), Douzhi_13 (L4), DrSeegs_13 (L2), Dulcita_24 (M1), DuncansLeg_14 (L3), Dusty_41 (CQ1), DyoEdafos_14 (L4), Elesar_15 (FF), Ellson_14 (L3), Emianna_35 (CR2), Enceladus_13 (L1), Engineer_43 (CQ1), EniyanLRS_32 (V), Ennea_41 (CR3), Estes_28 (M2), EvenBluerMoon_13 (FO), Faith1_13 (L2), FarmResident_13 (L4), FeliMaine_47 (S), Findley_14 (K2), Finemlucis_13 (L2), Finnry_14 (L3), Flapper_39 (CR1), Float294_37 (CR3), Foxboro_36 (CR2), FreakyGoo_24 (M1), Fury_44 (CR5), GMA4_13 (singleton), GRU1_25 (CR1), GTE5_26 (CR1), GTE8_24 (CR2), Gabriela_13 (L2), Gagieri_39 (CR6), Gallia_31 (singleton), Gardann_13 (L2), GardenSalsa_27 (M2), Gattaca_44 (S), Geeche_41 (CQ1), GenevaB15_27 (M2), Glaske16_24 (M1), GoodLuckBabe_16 (FF), GoongGoong_44 (S), GrootJr_37 (CR2), Guinevere_16 (FF), Gusanita_14 (FF), GuuelaD_13 (L2), Hafay_13 (L2), Halena_13 (L1), Halloweekend_14 (FF),

Hereford_14 (FO), Hiraya_13 (L2), HomeFry_41 (CR5), HubbaBubba_33 (CR4), Huphlepuff_47 (S), IDyn_36 (CR4), IPhane7_23 (M1), Ibrahim_14 (T), Ichiang_14 (FF), IsHungry_16 (FF), Itos_13 (L2), Izel_24 (M1), JanetJ_13 (FO), JeanClaude_12 (FB), Jifall16_34 (CR2), Jobypre_14 (L3), JoeDirt_13 (L1), JoieB_46 (S), JonJames_41 (DD), Jubie_14 (L3), Julie_16 (FF), Kabluna_38 (CR2), Kahlid_13 (L2), KidneyBean_35 (CR2), Kihatsu_17 (FF), Kimchi1738_23 (EN), Kingsolomon_14 (L3), KirDoubleO7_12 (L3), KleverKiS_23 (M1), Kropertea_13 (L4), Krypton555_14 (L3), Kumao_22 (singleton), Kumotta_13 (FB), Kurt_35 (CR2), LeBron_13 (L1), Lenoxika_16 (FF), Lewan_13 (L2), LilDestine_13 (L2), Lilbit_44 (S), LilhomieP_22 (M1), LittleLaf_45 (S), LiyuLake_14 (L3), Loadrie_13 (L2), Lollipop1437_40 (CR3), Lolly9_14 (L3), Lozinak_42 (CQ1), Lumos_14 (L3), Lynnae_13 (L2), MAckerman_13 (L1), MacGully_43 (CR7), Maja_12 (FO), Marcoliusprime_14 (K2), MargaretKali_13 (FB), Marietta_37 (CR4), Marvin_43 (S), MaryV_35 (V), Maselop_39 (CR6), MerCougar_36 (CR2), Merpity_13 (FQ1), Miley16_13 (L2), MillySue_16 (FF), Milly_14 (K2), MiniLon_14 (L3), MiniMac_14 (L3), Miskis_40 (CQ1), MkaliMitinis3_13 (L2), Molivier_13 (L2), Mollymur_25 (DL), Moostard_14 (L3), Morrey_19 (FO), MosMoris_43 (S), MrMagoo_27 (M2), MrSmee_12 (FQ1), MsGreen_14 (L3), NadineRae_35 (CR4), Nairb_14 (T), Nandita_16 (FF), Nanosmite_27 (M3), NatB6_35 (CR2), Netyap_13 (L2), Nicholas_14 (L3), Nicholasp3_13 (L2), NoSwimming_14 (FO), Norvs_43 (CQ1), NosilaM_38 (CR2), NovumRegina_35 (CR2), OhShagHennessy_13 (L1), OneUp_36 (CQ2), Outis_36 (CR2), OverPar_13 (L2), P1201_38 (singleton), PYPDinur_13 (L4), Patio_38 (CR3), PegLeg_23 (M1), Pemberton_38 (CR4), PeteyPab_22 (EN), PhinkBoden_42 (CQ1), Phomeo_34 (CR2), Pigu_11 (FB), Pleakley_44 (CR5), Poise_45 (S), Polyyuki_39 (CR6), Poochiewood_13 (L1), Popper_14 (FF), PotatoChip_23 (EN), PrairieDogTown_13 (FO), Pringar_45 (S), Quby_13 (L4), QuinnAvery_16 (FF), REQ2_12 (singleton), Raela_45 (S), Raqqa_13 (AY), Red305_14 (L3), RedRaider77_45 (S), RedRaider_42 (CR3), Reindeer_21 (M1), Rey_27 (M2), RonRayGun_14 (T), Rooter_11 (FB), Rose5_13 (L1), RoseMarie_23 (M1), Rossetti_13 (L2), Rumpelstiltskin_13 (L2), Ryan_16 (FF), Saintcarr_15 (FF), Samty_14 (L3), Sarge_12 (FB), Sarshaun_13 (L2), Schism_16 (FF), Scuba_44 (CR5), Sheng711_13 (L4), Shoya_11 (FB), Silverleaf_13 (L1), Skinny_24 (M1), Skitty_12 (FQ1), Skysand_37 (CR3), SlimJimmy_22 (M1), Smoothie_43 (CQ1), Snenia_14 (L3), SoJulia_13 (L2), Soap141_13 (L2), SpeedDemon_250 (DL), StarStruck_36 (CR2), Stickynote_25 (EN), Strobilo_14 (K2), Sukkupi_37 (CR4), SuperSulley_36 (CR2), TM4_14 (K2), Tesla_44 (S), ToastyOats_18 (FF), Toniann_42 (CQ1), Toodles_16 (FF), Tourach_13 (L2), Towmatter_22 (DL), TpudiCK_24 (M1), Tracker_35 (CR2), TriFive_14 (L3), Turuncu_39 (CR1), TyDawg_23 (M1), Tyson_13 (L1), UPIE_13 (L1), Underpass_13 (L2), VasuNzinga_45 (S), Vetrix_13 (L2), Wamburgrxpress_13 (L1), Whack_12 (singleton), Wheezy_35 (CR2), Whirlwind_15 (L3), Whitty_14 (T), WhoseManz_37 (CR4), Wigglewiggle_13 (L2), Wildcat_35 (V), Wilder_13 (L2), WilliamBoone_42 (CQ1), Winky_13 (L2), Wyatt2_13 (L1), Yndexa_37 (CR4), Yonex_16 (FF), Yvonnetastic_39 (DD), Zaheer_16 (FF), Zakai_13 (L2), Zaria_13 (L1), ZenTime222_14 (T), ZhongYanYuan_12 (L2), Zion_23 (EN), ZoeJ_14 (K2), Zucker_14 (FN),

Start 51:
• Found in 18 of 1152 (1.6%) of genes in pham
• Manual Annotations of this start: 9 of 1035
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CocoCinnamon_16 (FO), Hurricane_17 (K3), Keshu_17 (K3), Lea83_17 (K3), MacnCheese_18 (K3), Pixie_17 (K3), Scotia_14 (FO), ShedlockHolmes_17 (K3), TBond007_17 (K3),

Start 52:
• Found in 2 of 1152 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1035
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pharb_17 (K3), TribleTrouble_16 (K3),

Start 55:
• Found in 232 of 1152 (20.1%) of genes in pham
• Manual Annotations of this start: 220 of 1035
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ActinUp_18 (K1), Adephagia_18 (K1), Adonis_18 (K1), Agent47_16 (K5), AizenPogi_13 (G1), AlishaPH_18 (K1), AlleyCat_16 (K5), Amelie_14 (K1), Aminay_16 (K7), Angel_13 (G1), Angelica_18 (K1), Anma_18 (K1), Annihilator_13 (G1), Antsirabe_13 (G5), Apocalypse_18 (K1), Aroostook_13 (G1), Asayake_18 (K1), Atiba_18 (K1), Avocado_13 (G2), Avrafan_13 (G1), AzulaCat_13 (G1), BEEST_18 (K1), BGlluviae_18 (K1), BPs_13 (G1), BQuat_13 (G1), BaghaKamala_18 (K1), BananenDer11_16 (K5), Barkley26_13 (G1), BarrelRoll_18 (K1), Beezoo_18 (K1), Bella96_18 (K1), Belladonna_18 (K1), Bern_18 (K1), Biglebops_14 (K1), Blizzard_18 (K1), Boiiii_18 (K1), BruceB_13 (G1), Bryler_17 (K6), CLED96_13 (G1), CREW_18 (K1), Cain_17 (K6), CallaLilly_18 (K1), Cambiare_14 (G2), Camri_13 (G1), Capricorn_18 (K1), CaseJules_18 (K1), CassieYates_13 (G1), Cedasite_13 (G1), Chance64_13 (G1), CheetoDust_18 (K1), Cherrybomb426_13 (G1), Chris_17 (K1), Clipper_18 (K1), Cloudyecho_13 (G3), Coleslaw_13 (G1), Collard_16 (K5), Crespo_13 (G1), CrimD_18 (K1), DMoney_13 (G1), DNAIII_0013 (G1), Dadosky_16 (K5), Dalmuri_18 (K1), Darionha_13 (G1), DartGoblin_18 (K1), Deby_18 (K1), Devera_18 (K1), DingDing_13 (G1), Dole_18 (K1), DoubleChamp_16 (K5), DrHayes_18 (K1), Durfee_18 (K1), ECartman_13 (G1), Edugator_15 (K5), Emerson_18 (K1), Enkosi_14 (K1), Feyre_16 (K5), FlagStaff_13 (G2), ForeverHowLong_13 (G1), Frosty24_13 (G1), Ganymede_19 (K1), Gengar_16 (K5), Geraldini_18 (K1), Gideon_13 (G1), GodSpeed_13 (G2), GoldenAsh_13 (G1), Gomashi_13 (G1), Grizzly_13 (G1), Guillsminger_16 (K5), Halo_13 (G1), HedwigODU_18 (K1), Heftyboy_16 (K5), Homura_18 (K1), Hope_13 (G1), Hotshotbaby7_13 (G1), Hyperbowlee_18 (K1), Illumine_18 (K1), Inky_18 (K1), InvictusManeo_16 (K5), JAWS_18 (K1), Jane_13 (G1), Jarvi_18 (K1), Jayhawk_18 (K1), Jeckyll_18 (K1), Jeilious_13 (G), Jolene_13 (G1), Jolie2_13 (G4), Jonghyun_13 (G1), JorRay_13 (G1), Joy99_18 (K1), Kareem_13 (G1), Kasen3_13 (G1), KiSi_17 (K1), Kratio_15 (K5), Krueger_17 (K6), Larva_16 (K5), LeMond_17 (K1), Lemuria_13 (G4), Leston_16 (K5), Liefie_13 (G1), LilDirt_15 (K5), LilPharaoh_14 (K1), LindNT_18 (K1), Llorens_18 (K1), LouisV14_13 (G1), Lunahalos_18 (K1), MOOREtheMARYer_13 (G3), MZKinsey_13 (G1), MacKat_18 (K1), Maliketh_13 (G1), MarkPhew_18 (K1), Marmie_13 (G1), Mdavu_14 (K1), MeaningOfLife_18 (K1), Megsy_18 (K1), Mercurio_14 (G4), Miryou_16 (K5), Mowgli_13 (G1), Mynx_18 (K1), Neighly_16 (K3), Neoh_13 (G), Nibb_17 (K1), Nikao_14 (K1), Nutello_14 (K1), OctaviousRex_13 (G1), OkiRoe_16 (K5), Olga_13 (G1), Omnicron_16 (K5), Oscar_17 (K1), Pace1224_13 (G2), Padfoot_18 (K1), Padpat_18 (K1), Paito_13 (G1), Paola_16 (K5), Peeb_13 (G1), Peel_18 (K1), Periodt_13 (G1), PhelpsODU_17 (K6), Phish_13 (G1), Phloodle_13 (G1), Phrank_17 (K6), Phreak_13 (G1), Piatt_18 (K1), PinkYoshi_13 (G1), Pinnie_14 (G3), Pisa1_17 (K1), Pisa4_17 (K1), Plagueis_13 (G1), Pokerus_17 (K1), Primanti_13 (G1), Prithvi_18 (K1), Psycho_16 (K5), QuincyRose_17 (K1), Rabbs_13 (G1), Ramen_18 (K1), Rando14_16 (K5), Rapunzel97_18 (K1), Rattrick_13 (G1), Remy19_13 (G1), Renaissance_13 (G1), Richarlison_13 (G1), Rosmarinus_18 (K1), Ruriko_13 (G1), SamuelLPlaqson_18

(K1), Scarlett_17 (K1), Schiebel_13 (G1), SgtBeansprout_14 (K1), ShaboiShabazz_13 (G1), Shadow1_16 (K6), ShiaSurprise_18 (K1), SirPhilip_17 (K6), Sizemore_13 (G1), Slimphazie_18 (K1), Sneeze_13 (G1), SoSeph_16 (K5), Spock_18 (K1), Stargaze_13 (G5), Sulley_18 (K1), Sunflower1121_16 (K6), Sweets_13 (G1), Syra333_17 (K6), TClif_17 (K6), Tachez_18 (K1), Taheera_13 (G1), TaiwanKao_19 (K1), Teejan_14 (K1), Terror_13 (G1), Thyatira_16 (K5), Tierra_17 (K6), Tigress9_17 (K6), TinaBug_13 (G1), TiniBug_18 (K1), Tiri_18 (K1), TomBrady_13 (G1), Topper_18 (K1), Torres_14 (K1), TreyKay_18 (K1), Trice_14 (K1), TruffulaTree_18 (K1), Twitch_18 (K1), Unicorn_17 (K6), Urkel_18 (K1), Veliki_18 (K1), ViviJ_15 (K5), Waterfoul_16 (K5), Wendigo_13 (G1), Ximenita_18 (K6), YangYin_13 (G5), YoureAdopted_17 (K1), Zabiza_18 (K1), Zavala_18 (K1), ZoMa_13 (G1), Zombie_13 (G1),

Start 56:
• Found in 5 of 1152 (0.4%) of genes in pham
• Manual Annotations of this start: 5 of 1035
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ageofdapage_18 (K1), Anaya_19 (K1), LaterM_18 (K1), Murucutumbu_18 (K1), Stinson_18 (K1),

Start 57:
• Found in 52 of 1152 (4.5%) of genes in pham
• Manual Annotations of this start: 46 of 1035
• Called 98.1% of time when present
• Phage (with cluster) where this start called: Amohnition_17 (K6), Applecrisp_16 (K6), Bobquesha_19 (K4), Boilgate_15 (K8), Chancellor_19 (K4), Chavito_18 (K1), Cheetobro_19 (K4), Curiosium_19 (K1), DanSyl44_19 (K4), DarthP_17 (K6), Dartin_18 (K1), Efra2_18 (K1), Ekdilam_15 (K6), Ellie_15 (K6), Eponine_19 (K4), Fefferhead_17 (K6), Fionnbharth_19 (K4), Guanica15_18 (K1), Hammy_17 (K6), JF1_19 (K4), Juliette_19 (K4), Kraw_19 (K4), LastHope_18 (K1), Lavahound_16 (K6), Lebo14_19 (K4), Malthus_19 (K4), Marshawn_19 (K6), McMater_18 (K1), MissDaisy_19 (K4), Mitti_19 (K4), Niklas_18 (K1), November_16 (K6), OmniCritical_19 (K4), Patt_19 (K4), Peanam_18 (K1), Qhanda_19 (K4), Reptar3000_19 (K4), Richo_18 (K1), Ruthiejr_18 (K4), SamScheppers_17 (K4), Shaobing_18 (K1), Slarp_19 (K4), Taquito_17 (K4), TingHuaYa_18 (K1), Validus_18 (K1), Wintermute_19 (K4), Y10_19 (K4), Y2_19 (K4), YasnayaPolyana_19 (K4), Yuna_18 (K6), Yunkel11_18 (K1),

Start 58:
• Found in 7 of 1152 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 1035
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Farewell_11 (AF), Sparky_11 (AF), Toast_14 (CV),

Start 63:
• Found in 8 of 1152 (0.7%) of genes in pham
• Manual Annotations of this start: 4 of 1035
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 8UZL_15 (AB), FF47_15 (AB), JacoRen57_12 (AB), LongHai_16 (AB), Maco6_13 (AB), Muddy_15 (AB), NoShow_13 (AB), Salvus_16 (AB),

Start 65:
• Found in 1 of 1152 (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: SPB78_13 (BA),

Start 68:
• Found in 19 of 1152 (1.6%) of genes in pham
• Manual Annotations of this start: 3 of 1035
• Called 15.8% of time when present
• Phage (with cluster) where this start called: ATCC29399BT_11 (BU), P100.1_11 (BU), P100A_11 (BU),

Start 69:
• Found in 43 of 1152 (3.7%) of genes in pham
• Manual Annotations of this start: 12 of 1035
• Called 27.9% of time when present
• Phage (with cluster) where this start called: ATCC29399BC_11 (BU), P1.1_11 (BU), P100D_11 (BU), P101A_11 (BU), P104A_11 (BU), P105_11 (BU), P106A_11 (BU), P106C_11 (BU), P106I_11 (BU), P106L_11 (BU), P106M_11 (BU), P9.1_11 (BU),

Start 73:
• Found in 112 of 1152 (9.7%) of genes in pham
• Manual Annotations of this start: 55 of 1035
• Called 56.2% of time when present
• Phage (with cluster) where this start called: Agamotto_16 (FR), AnnabelLee_14 (FR), Apricot_13 (DN3), Asapag_13 (DN1), Audell_17 (FR), AuntGwenStacy_19 (Y), BENtherdunthat_13 (DN1), BearBQ_13 (DN), Bipper_19 (Y), Birdsong_13 (DN), BotCity_13 (DN), Budski_13 (DN), CardboardBox_14 (FR), ChamoyPickle_14 (FR), CheeseTouch_13 (DN1), ChipsNGuac_14 (FR), Cracklewink_19 (Y), Crater_13 (DN3), DS6A_16 (singleton), Ecliptus_13 (DN), Ezurina_13 (FR), Faiyaz_19 (Y), Frickyeah_13 (DN1), Gaia_10 (X), Gerri43_14 (FR), Getalong_13 (DN1), Gibbzilla_14 (FB), Holliday_13 (DN1), Horus_13 (DN1), InLimbo_13 (DH), Kamaru_13 (DN1), Kenna_13 (DN1), Kuwabara_13 (DN4), LastNadiia_17 (FR), Leroy_13 (DN1), LitninMcQueen_13 (DN1), Lucky10_12 (DH), Lutum_13 (DN1), Makima_15 (FR), MalagasyRose_19 (AG), Malisha_13 (DN), Mireles_14 (FR), Morkie_12 (DH), MortyNRick_13 (DN), Nebkiss_10 (X), Nergal_17 (AG), Neuvillette_14 (FR), ODay_13 (DN), Obliviate_13 (CV), Periwinkle_13 (DN1), Phabuloso_13 (DN1), Phistory_13 (DN1), PhorbesPhlower_12 (DH), Pipp_14 (CV), Roberts_14 (FR), ShawBrad_13 (DN1), Spooky_13 (DN2), Squiddly_14 (DN2), Stellammi_10 (UNK), Studio_14 (FR), TMaxx_14 (FR), TripleC_17 (FR), Whitney_13 (DN1),

Start 74:
• Found in 121 of 1152 (10.5%) of genes in pham
• Manual Annotations of this start: 41 of 1035
• Called 35.5% of time when present
• Phage (with cluster) where this start called: Archis_15 (CV), Azula_16 (CV), Barco_14 (CV), Begonia_14 (CV), BlingBling_14 (CV), Blino_14 (CV), Blueberry_16 (CV), CaptainKirk2_14 (CV), CarolAnn_14 (CV), CheeseSpider_16 (CV), Delian_14 (CV), Fairfaxidum_14 (CV), Fenry_13 (CV), Frokostdame_14 (CV), Gambino_16 (CV), Guacamole_14 (CV), Hitter_14 (CV), Jalammah_15 (CV), JasperJr_14 (CV), JuJu_14 (CV), KappaFarmDelta_14 (CV), Lysidious_14 (CV), Malachai_14 (CV), Melba_14 (CV), Mellie_13 (CV), MintFen_14 (CV), MissRona_16 (CV), Murp_14

(CV), PCoral7_14 (CV), Petra_16 (CV), PhrostedPhlake_15 (CV), PrincePatrick_14 (CV), Samba_14 (CV), Soilmate_14 (CV), UmaThurman_14 (CV), Utz_14 (CV), Walrus_15 (CV), William_14 (CV), Wisp_13 (CV), Wocket_15 (CV), Zarbodnamra_14 (CV), ZiggyZoo_13 (CV), Zilla_14 (CV),

Start 75:
• Found in 73 of 1152 (6.3%) of genes in pham
• Manual Annotations of this start: 42 of 1035
• Called 76.7% of time when present
• Phage (with cluster) where this start called: Aquarius_11 (BU), Attacne_11 (BU), Avani_14 (F2), Blarby_15 (F), BruceLethal_11 (BU), Che9d_14 (F2), Cota_11 (BU), Demsculpinboyz_14 (F2), DrParker_11 (BU), Enochoraptor_11 (BU), Enoki_11 (BU), Fryberger_45 (DP), Guey18_50 (DP), Jabbawokkie_15 (F2), Keelan_43 (DP), Keiki_11 (BU), Kubed_11 (BU), Lauchelly_11 (BU), Leviosa_11 (BU), LilBandit_11 (BU), MEAK_11 (BU), Moyashi_11 (BU), MrAK_11 (BU), Ouroboros_11 (BU), P104B_11 (BU), P107A_11 (BU), P107C_11 (BU), P108C_11 (BU), PA6_11 (BU), PAD20_11 (BU), PAS50_11 (BU), PHL010M04_11 (BU), PHL037M02_11 (BU), PHL060L00_11 (BU), PHL067M10_11 (BU), PHL071N05_11 (BU), PHL111M01_11 (BU), PHL112N00_11 (BU), PHL113M01_11 (BU), PHL114L00_11 (BU), Pirate_11 (BU), Procrass1_11 (BU), QueenBey_11 (BU), Rileysaurus_11 (BU), Ronaldo_48 (DP), SKKY_11 (BU), SilverChicken_14 (F2), Solid_11 (BU), Soul22_14 (F2), Stormborn_11 (BU), Supernova_11 (BU), Volt_47 (DP), Wizzo_11 (BU), Yoshi_14 (F2), Zapner_15 (F2), Ziko_48 (DP),

Start 77:
• Found in 2 of 1152 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1035
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Spartoi_11 (singleton),

Start 84:
• Found in 1 of 1152 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1035
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Samy_17 (singleton),

Start 86:
• Found in 11 of 1152 (1.0%) of genes in pham
• Manual Annotations of this start: 10 of 1035
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_21 (CU1), Dardanus_19 (CU3), DinoDaryn_19 (CU1), Goib_18 (CU1), Gsput1_15 (CU2), Huffy_19 (CU1), Schmidt_15 (CU4), Splinter_17 (CU1), TZGordon_19 (CU1), TinaLin_20 (CU1), Vendetta_17 (CU1),

Start 87:
• Found in 1 of 1152 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1035
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Catfish_16 (CU5),

Summary by clusters:

There are 83 clusters represented in this pham: DN, FR, I2, Y, FF, DU2, L5, DL, DD, M2, singleton, F3, K3, BU, K1, AB, DZ, K6, K5, K4, K8, FN, BA, F4, G5, G4, G3, DH, G1, F5, I1, I3, F, L4, DN4, DN1, DP, K7, DN2, CQ2, CQ1, FO, CU2, EN, DN3, L1, CR3, KA, O, G, S, CU4, L2, L3, V, AY, X, UNK, AF, CV, M3, G2, CR2, F1, F2, CR1, CR6, F6, CR4, K2, F8, CR7, F7, CU3, FB, DU1, CU5, CU1, AG, M1, FQ1, CR5, T,

Info for manual annotations of cluster AB:
•Start number 63 was manually annotated 4 times for cluster AB.

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

Info for manual annotations of cluster AG:
•Start number 73 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AY:
•Start number 50 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BU:
•Start number 48 was manually annotated 1 time for cluster BU.
•Start number 68 was manually annotated 3 times for cluster BU.
•Start number 69 was manually annotated 12 times for cluster BU.
•Start number 75 was manually annotated 29 times for cluster BU.

Info for manual annotations of cluster CQ1:
•Start number 50 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 50 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR1:
•Start number 50 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 50 was manually annotated 21 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 50 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 50 was manually annotated 9 times for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 50 was manually annotated 4 times for cluster CR5.

Info for manual annotations of cluster CR6:
•Start number 50 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:
•Start number 50 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CU1:

•Start number 86 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 86 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 86 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 87 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:
•Start number 58 was manually annotated 1 time for cluster CV.
•Start number 73 was manually annotated 2 times for cluster CV.
•Start number 74 was manually annotated 41 times for cluster CV.

Info for manual annotations of cluster DD:
•Start number 50 was manually annotated 3 times for cluster DD.

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

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

Info for manual annotations of cluster DN:
•Start number 73 was manually annotated 8 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 73 was manually annotated 16 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 73 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 73 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:
•Start number 73 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:
•Start number 75 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DU1:
•Start number 43 was manually annotated 2 times for cluster DU1.
•Start number 48 was manually annotated 2 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 48 was manually annotated 4 times for cluster DU2.

Info for manual annotations of cluster DZ:
•Start number 48 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EN:
•Start number 50 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster F:
•Start number 29 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:
•Start number 14 was manually annotated 3 times for cluster F1.
•Start number 16 was manually annotated 10 times for cluster F1.
•Start number 17 was manually annotated 1 time for cluster F1.
•Start number 20 was manually annotated 2 times for cluster F1.
•Start number 29 was manually annotated 222 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 75 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 29 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 29 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F5:
•Start number 15 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster FB:
•Start number 50 was manually annotated 8 times for cluster FB.

Info for manual annotations of cluster FF:
•Start number 50 was manually annotated 23 times for cluster FF.

Info for manual annotations of cluster FN:
•Start number 50 was manually annotated 3 times for cluster FN.

Info for manual annotations of cluster FO:
•Start number 50 was manually annotated 7 times for cluster FO.
•Start number 51 was manually annotated 2 times for cluster FO.

Info for manual annotations of cluster FQ1:
•Start number 50 was manually annotated 2 times for cluster FQ1.

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

Info for manual annotations of cluster G:
•Start number 55 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:
•Start number 55 was manually annotated 70 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 55 was manually annotated 4 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 55 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 55 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 55 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster I1:
•Start number 22 was manually annotated 1 time for cluster I1.
•Start number 29 was manually annotated 5 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 29 was manually annotated 3 times for cluster I2.

Info for manual annotations of cluster K1:
•Start number 55 was manually annotated 96 times for cluster K1.
•Start number 56 was manually annotated 5 times for cluster K1.
•Start number 57 was manually annotated 12 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 47 was manually annotated 3 times for cluster K2.
•Start number 50 was manually annotated 8 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 51 was manually annotated 7 times for cluster K3.
•Start number 52 was manually annotated 2 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 57 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 55 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 25 was manually annotated 1 time for cluster K6.
•Start number 55 was manually annotated 14 times for cluster K6.
•Start number 57 was manually annotated 11 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 55 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 57 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster KA:
•Start number 48 was manually annotated 2 times for cluster KA.

Info for manual annotations of cluster L1:
•Start number 50 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 50 was manually annotated 32 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 50 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 50 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 50 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:
•Start number 50 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 50 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 50 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster O:
•Start number 29 was manually annotated 32 times for cluster O.

Info for manual annotations of cluster S:
•Start number 50 was manually annotated 20 times for cluster S.

Info for manual annotations of cluster T:
•Start number 49 was manually annotated 1 time for cluster T.
•Start number 50 was manually annotated 6 times for cluster T.

Info for manual annotations of cluster UNK:
•Start number 73 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster V:
•Start number 50 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster X:
•Start number 73 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:
•Start number 39 was manually annotated 2 times for cluster Y.
•Start number 73 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: 8UZL_15 Start: 9344, Stop: 9985, Start Num: 63

Candidate Starts for 8UZL_15:
(45, 9311), (Start: 63 @9344 has 4 MA's), (78, 9377), (81, 9386), (90, 9404), (115, 9470), (131, 9509), (133, 9524), (163, 9629), (168, 9650), (178, 9680), (198, 9719), (211, 9764), (237, 9848), (242, 9869),

Gene: ATCC29399BC_11 Start: 7150, Stop: 7785, Start Num: 69
Candidate Starts for ATCC29399BC_11:
(Start: 69 @7150 has 12 MA's), (Start: 74 @7159 has 41 MA's), (Start: 75 @7162 has 42 MA's), (117, 7255), (141, 7342), (211, 7531), (212, 7534), (214, 7543), (239, 7627), (243, 7642), (245, 7648), (260, 7690), (268, 7708),

Gene: ATCC29399BT_11 Start: 7147, Stop: 7782, Start Num: 68
Candidate Starts for ATCC29399BT_11:
(64, 7141), (Start: 68 @7147 has 3 MA's), (Start: 74 @7156 has 41 MA's), (Start: 75 @7159 has 42 MA's), (131, 7291), (141, 7339), (147, 7363), (211, 7528), (212, 7531), (239, 7624), (243, 7639), (245, 7645), (260, 7687), (268, 7705),

Gene: AbbyDaisy_13 Start: 7857, Stop: 8522, Start Num: 50
Candidate Starts for AbbyDaisy_13:
(Start: 50 @7857 has 270 MA's), (99, 7950), (138, 8064), (154, 8127), (158, 8145), (168, 8175), (203, 8265), (229, 8349), (240, 8397), (247, 8421), (259, 8451), (266, 8463),

Gene: Abscondus_41 Start: 17642, Stop: 18307, Start Num: 50
Candidate Starts for Abscondus_41:
(Start: 50 @17642 has 270 MA's), (100, 17732), (213, 18089),

Gene: Acquire49_13 Start: 8989, Stop: 9891, Start Num: 50
Candidate Starts for Acquire49_13:
(Start: 50 @8989 has 270 MA's), (88, 9055), (91, 9061), (129, 9145), (168, 9298), (172, 9310), (202, 9379), (213, 9418), (223, 9448), (229, 9469), (289, 9673), (295, 9712), (310, 9805), (312, 9829), (321, 9874),

Gene: ActinUp_18 Start: 10504, Stop: 11118, Start Num: 55
Candidate Starts for ActinUp_18:
(Start: 55 @10504 has 220 MA's), (81, 10549), (131, 10672), (143, 10726), (158, 10783), (164, 10798), (198, 10882), (200, 10888), (211, 10927), (214, 10939), (226, 10966), (237, 11011), (240, 11026), (247, 11050), (270, 11107),

Gene: Adephagia_18 Start: 10504, Stop: 11118, Start Num: 55
Candidate Starts for Adephagia_18:
(Start: 55 @10504 has 220 MA's), (81, 10549), (131, 10672), (143, 10726), (158, 10783), (164, 10798), (198, 10882), (200, 10888), (211, 10927), (214, 10939), (226, 10966), (237, 11011), (240, 11026), (247, 11050), (270, 11107),

Gene: Adonis_18 Start: 10513, Stop: 11127, Start Num: 55
Candidate Starts for Adonis_18:
(Start: 55 @10513 has 220 MA's), (81, 10558), (131, 10681), (143, 10735), (158, 10792), (164, 10807), (198, 10891), (200, 10897), (211, 10936), (214, 10948), (226, 10975), (237, 11020), (240, 11035), (247, 11059),

Gene: Aegeus_13 Start: 8615, Stop: 9511, Start Num: 50
Candidate Starts for Aegeus_13:
(Start: 50 @8615 has 270 MA's), (62, 8630), (76, 8651), (83, 8672), (88, 8678), (161, 8900), (169, 8924), (196, 8981), (198, 8987), (213, 9041), (227, 9083), (229, 9092), (239, 9137), (245, 9158), (283,

9260), (284, 9269), (289, 9296), (293, 9326), (294, 9332), (295, 9335), (302, 9383), (309, 9425), (310, 9428), (320, 9491),

Gene: Agamotto_16 Start: 11215, Stop: 11793, Start Num: 73
Candidate Starts for Agamotto_16:
(Start: 73 @11215 has 55 MA's), (82, 11242), (168, 11494),

Gene: Agent47_16 Start: 10624, Stop: 11235, Start Num: 55
Candidate Starts for Agent47_16:
(Start: 55 @10624 has 220 MA's), (81, 10669), (143, 10846), (158, 10903), (164, 10918), (168, 10933), (198, 11002), (200, 11008), (211, 11047), (220, 11074), (237, 11131), (240, 11146), (247, 11170), (257, 11200),

Gene: Ageofdapage_18 Start: 10435, Stop: 11046, Start Num: 56
Candidate Starts for Ageofdapage_18:
(Start: 56 @10435 has 5 MA's), (81, 10477), (131, 10600), (143, 10654), (158, 10711), (164, 10726), (178, 10771), (198, 10810), (200, 10816), (211, 10855), (214, 10867), (226, 10894), (237, 10939), (240, 10954), (247, 10978),

Gene: AizenPogi_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for AizenPogi_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Akhila_12 Start: 8280, Stop: 9089, Start Num: 29
Candidate Starts for Akhila_12:
(Start: 29 @8280 has 269 MA's), (31, 8292), (67, 8361), (72, 8370), (85, 8406), (99, 8430), (102, 8436), (122, 8499), (145, 8598), (149, 8613), (150, 8616), (151, 8619), (158, 8649), (166, 8670), (168, 8679), (189, 8733), (232, 8895), (250, 8967), (257, 8988), (278, 9039), (279, 9045),

Gene: Alatato_11 Start: 7604, Stop: 8251, Start Num: 50
Candidate Starts for Alatato_11:
(Start: 50 @7604 has 270 MA's), (83, 7664), (107, 7715), (119, 7736), (130, 7766), (161, 7892), (168, 7913), (169, 7916), (223, 8063), (278, 8228),

Gene: Aleemily_13 Start: 8905, Stop: 9573, Start Num: 48
Candidate Starts for Aleemily_13:
(Start: 48 @8905 has 14 MA's), (202, 9307), (227, 9388), (240, 9445), (270, 9526), (278, 9547),

Gene: Alexphander_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Alexphander_12:
(Start: 29 @7463 has 269 MA's), (31, 7475), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (198, 7943), (232, 8078), (250, 8150), (251, 8153), (257, 8171), (278, 8222), (279, 8228),

Gene: AlishaPH_18 Start: 10503, Stop: 11114, Start Num: 55
Candidate Starts for AlishaPH_18:
(Start: 55 @10503 has 220 MA's), (81, 10545), (143, 10722), (158, 10779), (164, 10794), (198, 10878), (200, 10884), (211, 10923), (214, 10935), (226, 10962), (237, 11007), (240, 11022), (247, 11046), (270, 11103),

Gene: Alkhayr_47 Start: 23768, Stop: 24583, Start Num: 29

Candidate Starts for Alkhayr_47:
(Start: 29 @23768 has 269 MA's), (67, 23849), (122, 23990), (127, 24005), (149, 24104), (154, 24122), (173, 24185), (177, 24197), (184, 24212), (219, 24329), (249, 24455),

Gene: AllBusiness_15 Start: 9307, Stop: 9975, Start Num: 50
Candidate Starts for AllBusiness_15:
(Start: 50 @9307 has 270 MA's), (116, 9442), (141, 9529), (158, 9595), (203, 9715), (253, 9886), (259, 9901),

Gene: AlleyCat_16 Start: 10500, Stop: 11111, Start Num: 55
Candidate Starts for AlleyCat_16:
(Start: 55 @10500 has 220 MA's), (81, 10545), (158, 10779), (164, 10794), (168, 10809), (198, 10878), (200, 10884), (211, 10923), (214, 10935), (220, 10950), (237, 11007), (240, 11022), (247, 11046), (257, 11076),

Gene: Aloeri_12 Start: 7464, Stop: 8273, Start Num: 29
Candidate Starts for Aloeri_12:
(Start: 16 @7392 has 10 MA's), (Start: 20 @7407 has 2 MA's), (Start: 29 @7464 has 269 MA's), (31, 7476), (72, 7554), (85, 7590), (99, 7614), (102, 7620), (122, 7683), (149, 7797), (150, 7800), (151, 7803), (158, 7833), (166, 7854), (168, 7863), (189, 7917), (198, 7944), (232, 8079), (250, 8151), (257, 8172), (278, 8223), (279, 8229),

Gene: AlpineSix_11 Start: 7607, Stop: 8416, Start Num: 29
Candidate Starts for AlpineSix_11:
(Start: 20 @7550 has 2 MA's), (Start: 29 @7607 has 269 MA's), (31, 7619), (72, 7697), (85, 7733), (99, 7757), (102, 7763), (122, 7826), (148, 7937), (149, 7940), (150, 7943), (151, 7946), (158, 7976), (166, 7997), (168, 8006), (187, 8054), (189, 8060), (197, 8084), (232, 8222), (250, 8294), (257, 8315), (278, 8366), (279, 8372),

Gene: Amelie_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for Amelie_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: Amgine_16 Start: 10111, Stop: 10827, Start Num: 25
Candidate Starts for Amgine_16:
(5, 9946), (Start: 25 @10111 has 1 MA's), (36, 10174), (40, 10183), (Start: 57 @10216 has 46 MA's), (81, 10258), (131, 10381), (135, 10402), (143, 10435), (158, 10492), (164, 10507), (198, 10591), (200, 10597), (211, 10636), (214, 10648), (226, 10675), (240, 10735), (247, 10759),

Gene: Aminay_16 Start: 10358, Stop: 10966, Start Num: 55
Candidate Starts for Aminay_16:
(Start: 55 @10358 has 220 MA's), (98, 10433), (114, 10481), (133, 10538), (135, 10544), (158, 10634), (168, 10664), (178, 10694), (183, 10706), (198, 10733), (200, 10739), (220, 10805), (237, 10862), (240, 10877), (247, 10901),

Gene: Amohnition_17 Start: 10531, Stop: 11145, Start Num: 57
Candidate Starts for Amohnition_17:
(Start: 57 @10531 has 46 MA's), (Start: 73 @10552 has 55 MA's), (Start: 74 @10555 has 41 MA's), (81, 10576), (135, 10720), (143, 10753), (158, 10810), (164, 10825), (198, 10909), (200, 10915), (211, 10954), (214, 10966), (226, 10993), (240, 11053), (247, 11077), (257, 11107),

Gene: Anaya_19 Start: 10513, Stop: 11124, Start Num: 56
Candidate Starts for Anaya_19:
(Start: 56 @10513 has 5 MA's), (81, 10555), (131, 10678), (158, 10789), (164, 10804), (178, 10849), (198, 10888), (200, 10894), (211, 10933), (237, 11017), (240, 11032), (247, 11056),

Gene: Angel_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Angel_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Angelica_18 Start: 10475, Stop: 11089, Start Num: 55
Candidate Starts for Angelica_18:
(Start: 55 @10475 has 220 MA's), (81, 10520), (131, 10643), (143, 10697), (158, 10754), (164, 10769), (198, 10853), (200, 10859), (211, 10898), (214, 10910), (226, 10937), (237, 10982), (240, 10997), (247, 11021), (270, 11078),

Gene: Anma_18 Start: 10446, Stop: 11060, Start Num: 55
Candidate Starts for Anma_18:
(Start: 55 @10446 has 220 MA's), (72, 10464), (81, 10491), (143, 10668), (158, 10725), (164, 10740), (168, 10755), (178, 10785), (198, 10824), (200, 10830), (211, 10869), (214, 10881), (226, 10908), (237, 10953), (240, 10968), (247, 10992),

Gene: AnnabelLee_14 Start: 8154, Stop: 8732, Start Num: 73
Candidate Starts for AnnabelLee_14:
(Start: 73 @8154 has 55 MA's), (168, 8433), (207, 8535), (227, 8589), (269, 8721),

Gene: Annihilator_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Annihilator_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Antsirabe_13 Start: 10190, Stop: 10810, Start Num: 55
Candidate Starts for Antsirabe_13:
(Start: 55 @10190 has 220 MA's), (72, 10214), (95, 10265), (114, 10322), (131, 10364), (133, 10379), (158, 10475), (164, 10490), (171, 10514), (178, 10535), (198, 10574), (204, 10598), (220, 10646), (229, 10670), (231, 10676), (240, 10718), (247, 10742), (257, 10772),

Gene: Aoka_13 Start: 9111, Stop: 9773, Start Num: 50
Candidate Starts for Aoka_13:
(Start: 50 @9111 has 270 MA's), (83, 9177), (130, 9282), (161, 9408), (169, 9432), (223, 9579), (278, 9744),

Gene: Aphelion_42 Start: 17911, Stop: 18576, Start Num: 50
Candidate Starts for Aphelion_42:
(Start: 50 @17911 has 270 MA's), (100, 18001), (213, 18358), (259, 18511),

Gene: Apiary_39 Start: 23228, Stop: 23896, Start Num: 50
Candidate Starts for Apiary_39:
(Start: 50 @23228 has 270 MA's), (97, 23309), (116, 23366), (141, 23450), (171, 23552), (174, 23564), (209, 23651), (227, 23708), (243, 23777), (245, 23783), (249, 23795), (277, 23861), (278, 23867),

Gene: Apocalypse_18 Start: 10479, Stop: 11093, Start Num: 55
Candidate Starts for Apocalypse_18:
(Start: 55 @10479 has 220 MA's), (81, 10524), (131, 10647), (143, 10701), (158, 10758), (164, 10773), (198, 10857), (200, 10863), (211, 10902), (214, 10914), (226, 10941), (237, 10986), (240, 11001), (247, 11025), (270, 11082),

Gene: Applecrisp_16 Start: 10618, Stop: 11232, Start Num: 57
Candidate Starts for Applecrisp_16:
(Start: 25 @10513 has 1 MA's), (36, 10576), (40, 10585), (Start: 57 @10618 has 46 MA's), (Start: 74 @10642 has 41 MA's), (81, 10663), (131, 10786), (135, 10807), (143, 10840), (158, 10897), (164, 10912), (198, 10996), (200, 11002), (211, 11041), (214, 11053), (226, 11080), (240, 11140), (247, 11164),

Gene: Appletree2_13 Start: 8963, Stop: 9865, Start Num: 50
Candidate Starts for Appletree2_13:
(Start: 50 @8963 has 270 MA's), (88, 9029), (91, 9035), (129, 9119), (168, 9272), (172, 9284), (202, 9353), (213, 9392), (223, 9422), (229, 9443), (289, 9647), (295, 9686), (310, 9779), (312, 9803), (321, 9848),

Gene: Apricot_13 Start: 7836, Stop: 8429, Start Num: 73
Candidate Starts for Apricot_13:
(Start: 73 @7836 has 55 MA's), (83, 7857), (100, 7881), (135, 7995), (151, 8055), (158, 8085), (167, 8109), (168, 8115), (180, 8151), (181, 8154), (200, 8190), (211, 8229), (243, 8340),

Gene: Aquarius_11 Start: 7160, Stop: 7801, Start Num: 75
Candidate Starts for Aquarius_11:
(33, 7076), (45, 7106), (60, 7130), (70, 7148), (Start: 74 @7157 has 41 MA's), (Start: 75 @7160 has 42 MA's), (117, 7253), (141, 7340), (151, 7376), (161, 7412), (210, 7526), (211, 7529), (212, 7532), (239, 7625), (243, 7640), (245, 7646), (260, 7688), (268, 7706),

Gene: ArV2_11 Start: 7388, Stop: 8074, Start Num: 41
Candidate Starts for ArV2_11:
(41, 7388), (44, 7394), (Start: 50 @7409 has 270 MA's), (76, 7454), (91, 7487), (130, 7580), (141, 7631), (154, 7679), (157, 7691), (158, 7697), (168, 7727), (197, 7793), (210, 7838), (229, 7901), (247, 7973), (259, 8003), (266, 8015), (271, 8033),

Gene: Archie_13 Start: 8948, Stop: 9850, Start Num: 50
Candidate Starts for Archie_13:
(Start: 50 @8948 has 270 MA's), (88, 9014), (100, 9035), (129, 9104), (161, 9236), (168, 9257), (186, 9296), (202, 9338), (227, 9419), (229, 9428), (255, 9518), (259, 9530), (277, 9569), (291, 9638), (310, 9764), (321, 9833),

Gene: Archis_15 Start: 8891, Stop: 9529, Start Num: 74
Candidate Starts for Archis_15:
(Start: 73 @8888 has 55 MA's), (Start: 74 @8891 has 41 MA's), (111, 8981), (114, 8996), (156, 9149), (180, 9224), (191, 9248), (211, 9296), (231, 9353), (239, 9392), (269, 9476), (280, 9512),

Gene: ArcusAngelus_11 Start: 7620, Stop: 8429, Start Num: 29
Candidate Starts for ArcusAngelus_11:
(Start: 29 @7620 has 269 MA's), (31, 7632), (67, 7701), (72, 7710), (85, 7746), (99, 7770), (102, 7776), (122, 7839), (149, 7953), (150, 7956), (158, 7989), (166, 8010), (168, 8019), (189, 8073), (198, 8100), (218, 8175), (250, 8307), (257, 8328), (278, 8379), (279, 8385),

Gene: Ardmore_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Ardmore_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Aroostook_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Aroostook_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Arti_35 Start: 21382, Stop: 22065, Start Num: 50
Candidate Starts for Arti_35:
(Start: 50 @21382 has 270 MA's), (62, 21400), (107, 21493), (133, 21580), (134, 21583), (171, 21715), (209, 21814), (227, 21871), (243, 21940), (255, 21970), (264, 21991), (278, 22030),

Gene: Asapag_13 Start: 7514, Stop: 8086, Start Num: 73
Candidate Starts for Asapag_13:
(Start: 73 @7514 has 55 MA's), (81, 7535), (92, 7556), (102, 7568), (150, 7727), (163, 7769), (172, 7802), (241, 7991), (273, 8075),

Gene: Asayake_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Asayake_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Ashwin_48 Start: 23766, Stop: 24581, Start Num: 29
Candidate Starts for Ashwin_48:
(Start: 29 @23766 has 269 MA's), (67, 23847), (122, 23988), (127, 24003), (149, 24102), (154, 24120), (173, 24183), (177, 24195), (184, 24210), (219, 24327), (249, 24453),

Gene: Atiba_18 Start: 10467, Stop: 11081, Start Num: 55
Candidate Starts for Atiba_18:
(Start: 55 @10467 has 220 MA's), (81, 10512), (131, 10635), (143, 10689), (158, 10746), (164, 10761), (198, 10845), (200, 10851), (211, 10890), (214, 10902), (226, 10929), (237, 10974), (240, 10989), (247, 11013),

Gene: Attacne_11 Start: 7163, Stop: 7786, Start Num: 75
Candidate Starts for Attacne_11:
(Start: 69 @7151 has 12 MA's), (Start: 74 @7160 has 41 MA's), (Start: 75 @7163 has 42 MA's), (117, 7256), (141, 7343), (151, 7379), (211, 7532), (212, 7535), (239, 7628), (243, 7643), (245, 7649), (260, 7691), (268, 7709),

Gene: Aubs_11 Start: 7628, Stop: 8437, Start Num: 29
Candidate Starts for Aubs_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7628 has 269 MA's), (31, 7640), (67, 7709), (72, 7718), (85, 7754), (99, 7778), (102, 7784), (122, 7847), (149, 7961), (150, 7964), (158, 7997), (166, 8018), (168, 8027), (189, 8081), (198, 8108), (218, 8183), (250, 8315), (257, 8336), (278, 8387), (279, 8393),

Gene: Audell_17 Start: 11494, Stop: 12072, Start Num: 73

Candidate Starts for Audell_17:
(Start: 73 @11494 has 55 MA's), (205, 11869),

Gene: AuntGwenStacy_19 Start: 12547, Stop: 13128, Start Num: 73
Candidate Starts for AuntGwenStacy_19:
(Start: 39 @12487 has 2 MA's), (54, 12517), (Start: 73 @12547 has 55 MA's), (93, 12592), (150, 12763), (165, 12814), (168, 12826), (178, 12856), (211, 12940), (223, 12970), (237, 13024), (269, 13117),

Gene: Auspice_23 Start: 12816, Stop: 13715, Start Num: 50
Candidate Starts for Auspice_23:
(Start: 50 @12816 has 270 MA's), (98, 12897), (117, 12951), (119, 12957), (156, 13086), (168, 13125), (196, 13191), (212, 13245), (215, 13260), (227, 13293), (240, 13350), (243, 13362), (283, 13470), (291, 13512), (296, 13536), (303, 13584), (313, 13659), (320, 13692),

Gene: AvadaKedavra_13 Start: 8989, Stop: 9891, Start Num: 50
Candidate Starts for AvadaKedavra_13:
(Start: 50 @8989 has 270 MA's), (88, 9055), (91, 9061), (129, 9145), (168, 9298), (172, 9310), (202, 9379), (213, 9418), (223, 9448), (229, 9469), (289, 9673), (295, 9712), (310, 9805), (312, 9829), (321, 9874),

Gene: Avani_14 Start: 7679, Stop: 8272, Start Num: 75
Candidate Starts for Avani_14:
(Start: 75 @7679 has 42 MA's), (81, 7697), (131, 7814), (139, 7853), (157, 7919), (168, 7952), (172, 7964), (180, 7988), (211, 8060), (213, 8069), (217, 8081), (224, 8093), (231, 8117), (234, 8135),

Gene: Avocado_13 Start: 10012, Stop: 10632, Start Num: 55
Candidate Starts for Avocado_13:
(Start: 55 @10012 has 220 MA's), (95, 10087), (114, 10144), (131, 10186), (133, 10201), (158, 10297), (164, 10312), (171, 10336), (178, 10357), (198, 10396), (204, 10420), (211, 10441), (220, 10468), (231, 10498), (240, 10540), (247, 10564),

Gene: Avrafan_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Avrafan_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Awesomesauce_12 Start: 7464, Stop: 8273, Start Num: 29
Candidate Starts for Awesomesauce_12:
(Start: 16 @7392 has 10 MA's), (Start: 20 @7407 has 2 MA's), (Start: 29 @7464 has 269 MA's), (31, 7476), (72, 7554), (85, 7590), (99, 7614), (102, 7620), (122, 7683), (149, 7797), (150, 7800), (151, 7803), (158, 7833), (166, 7854), (168, 7863), (187, 7911), (189, 7917), (198, 7944), (232, 8079), (250, 8151), (257, 8172), (278, 8223), (279, 8229),

Gene: Aziz_27 Start: 13394, Stop: 14293, Start Num: 50
Candidate Starts for Aziz_27:
(Start: 50 @13394 has 270 MA's), (98, 13475), (116, 13526), (168, 13703), (196, 13769), (212, 13823), (215, 13838), (227, 13871), (243, 13940), (291, 14090), (296, 14114), (300, 14150), (303, 14162), (308, 14189), (310, 14207), (313, 14237), (320, 14270),

Gene: Azrael100_34 Start: 15887, Stop: 16798, Start Num: 50
Candidate Starts for Azrael100_34:

(Start: 50 @15887 has 270 MA's), (76, 15926), (88, 15953), (89, 15956), (98, 15968), (103, 15983), (118, 16025), (174, 16217), (196, 16262), (198, 16268), (234, 16397), (243, 16433), (285, 16553), (288, 16571), (289, 16577), (296, 16607), (297, 16610), (305, 16667), (310, 16697), (315, 16733), (319, 16763), (320, 16775),

Gene: Azula_16 Start: 9023, Stop: 9661, Start Num: 74
Candidate Starts for Azula_16:
(Start: 73 @9020 has 55 MA's), (Start: 74 @9023 has 41 MA's), (111, 9113), (114, 9128), (133, 9194), (142, 9230), (156, 9281), (180, 9356), (191, 9380), (211, 9428), (231, 9485), (239, 9524), (269, 9608), (280, 9644),

Gene: AzulaCat_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for AzulaCat_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: BEEST_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for BEEST_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: BENtherdunthat_13 Start: 7514, Stop: 8086, Start Num: 73
Candidate Starts for BENtherdunthat_13:
(Start: 73 @7514 has 55 MA's), (81, 7535), (92, 7556), (102, 7568), (150, 7727), (163, 7769), (172, 7802), (241, 7991), (273, 8075),

Gene: BGlluviae_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for BGlluviae_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: BPs_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for BPs_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: BQuat_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for BQuat_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Babsiella_13 Start: 8812, Stop: 9663, Start Num: 22
Candidate Starts for Babsiella_13:
(Start: 22 @8812 has 1 MA's), (Start: 29 @8863 has 269 MA's), (72, 8959), (102, 9022), (127, 9100), (149, 9199), (158, 9235), (238, 9511), (257, 9571), (263, 9577),

Gene: Bachita_44 Start: 18344, Stop: 19009, Start Num: 50
Candidate Starts for Bachita_44:

(Start: 50 @18344 has 270 MA's), (100, 18434), (213, 18791), (259, 18944),

Gene: BaghaKamala_18 Start: 10470, Stop: 11084, Start Num: 55
Candidate Starts for BaghaKamala_18:
(Start: 55 @10470 has 220 MA's), (81, 10515), (131, 10638), (143, 10692), (158, 10749), (164, 10764), (198, 10848), (200, 10854), (211, 10893), (214, 10905), (226, 10932), (237, 10977), (240, 10992), (247, 11016), (270, 11073),

Gene: BananenDer11_16 Start: 10585, Stop: 11196, Start Num: 55
Candidate Starts for BananenDer11_16:
(Start: 55 @10585 has 220 MA's), (81, 10630), (143, 10807), (158, 10864), (164, 10879), (168, 10894), (198, 10963), (200, 10969), (211, 11008), (220, 11035), (237, 11092), (240, 11107), (247, 11131), (257, 11161),

Gene: Banquo_21 Start: 11777, Stop: 12373, Start Num: 86
Candidate Starts for Banquo_21:
(Start: 86 @11777 has 10 MA's), (121, 11861), (128, 11885), (139, 11939), (174, 12062), (213, 12173), (214, 12176), (217, 12185), (226, 12203), (235, 12242), (252, 12293),

Gene: Bantam_24 Start: 15333, Stop: 15989, Start Num: 50
Candidate Starts for Bantam_24:
(28, 15276), (Start: 50 @15333 has 270 MA's), (80, 15384), (88, 15399), (183, 15678),

Gene: Baoshan_12 Start: 8830, Stop: 9729, Start Num: 50
Candidate Starts for Baoshan_12:
(Start: 50 @8830 has 270 MA's), (88, 8893), (100, 8914), (129, 8983), (161, 9115), (168, 9136), (202, 9217), (227, 9298), (229, 9307), (255, 9397), (259, 9409), (277, 9448), (286, 9490), (289, 9511), (291, 9517), (310, 9643), (321, 9712),

Gene: Barco_14 Start: 8679, Stop: 9317, Start Num: 74
Candidate Starts for Barco_14:
(Start: 73 @8676 has 55 MA's), (Start: 74 @8679 has 41 MA's), (111, 8769), (114, 8784), (156, 8937), (180, 9012), (191, 9036), (211, 9084), (231, 9141), (239, 9180), (269, 9264), (280, 9300),

Gene: Barkley26_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Barkley26_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (168, 10163), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: BarrelRoll_18 Start: 10496, Stop: 11107, Start Num: 55
Candidate Starts for BarrelRoll_18:
(Start: 55 @10496 has 220 MA's), (81, 10538), (131, 10661), (143, 10715), (158, 10772), (164, 10787), (198, 10871), (200, 10877), (211, 10916), (214, 10928), (226, 10955), (237, 11000), (240, 11015), (247, 11039), (270, 11096),

Gene: Batiatus_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Batiatus_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Baudelaire_13 Start: 8615, Stop: 9511, Start Num: 50
Candidate Starts for Baudelaire_13:
(Start: 50 @8615 has 270 MA's), (62, 8630), (76, 8651), (83, 8672), (88, 8678), (161, 8900), (169, 8924), (196, 8981), (198, 8987), (213, 9041), (227, 9083), (229, 9092), (239, 9137), (245, 9158), (283, 9260), (284, 9269), (289, 9296), (293, 9326), (294, 9332), (295, 9335), (302, 9383), (309, 9425), (310, 9428), (320, 9491),

Gene: Bauer_15 Start: 9233, Stop: 9898, Start Num: 50
Candidate Starts for Bauer_15:
(Start: 50 @9233 has 270 MA's), (76, 9278), (89, 9308), (130, 9401), (131, 9404), (139, 9443), (153, 9494), (197, 9614), (259, 9824), (271, 9854),

Gene: Bazzle_13 Start: 8951, Stop: 9853, Start Num: 50
Candidate Starts for Bazzle_13:
(Start: 50 @8951 has 270 MA's), (88, 9017), (129, 9107), (161, 9239), (168, 9260), (186, 9299), (202, 9341), (227, 9422), (229, 9431), (255, 9521), (259, 9533), (277, 9572), (289, 9635), (291, 9641), (302, 9722), (310, 9767), (321, 9836),

Gene: Beakin_12 Start: 7465, Stop: 8274, Start Num: 29
Candidate Starts for Beakin_12:
(Start: 20 @7408 has 2 MA's), (Start: 29 @7465 has 269 MA's), (31, 7477), (72, 7555), (85, 7591), (99, 7615), (102, 7621), (122, 7684), (149, 7798), (150, 7801), (151, 7804), (158, 7834), (166, 7855), (168, 7864), (187, 7912), (189, 7918), (198, 7945), (232, 8080), (250, 8152), (257, 8173), (278, 8224), (279, 8230),

Gene: Beanstalk_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for Beanstalk_12:
(Start: 14 @7385 has 3 MA's), (Start: 16 @7388 has 10 MA's), (Start: 20 @7403 has 2 MA's), (Start: 29 @7460 has 269 MA's), (31, 7472), (72, 7550), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (187, 7907), (189, 7913), (198, 7940), (232, 8075), (250, 8147), (257, 8168), (278, 8219), (279, 8225),

Gene: BearBQ_13 Start: 7836, Stop: 8429, Start Num: 73
Candidate Starts for BearBQ_13:
(Start: 73 @7836 has 55 MA's), (83, 7857), (100, 7881), (148, 8049), (167, 8109), (168, 8115), (180, 8151), (181, 8154), (200, 8190),

Gene: Beelzebub_49 Start: 19342, Stop: 20007, Start Num: 50
Candidate Starts for Beelzebub_49:
(Start: 50 @19342 has 270 MA's), (88, 19408), (129, 19501), (133, 19528), (155, 19612), (179, 19684), (229, 19831), (231, 19837), (237, 19864), (239, 19876),

Gene: Beezoo_18 Start: 10524, Stop: 11135, Start Num: 55
Candidate Starts for Beezoo_18:
(Start: 55 @10524 has 220 MA's), (81, 10566), (131, 10689), (143, 10743), (158, 10800), (164, 10815), (198, 10899), (200, 10905), (211, 10944), (214, 10956), (226, 10983), (237, 11028), (240, 11043), (247, 11067),

Gene: Begonia_14 Start: 8682, Stop: 9320, Start Num: 74
Candidate Starts for Begonia_14:
(Start: 73 @8679 has 55 MA's), (Start: 74 @8682 has 41 MA's), (111, 8772), (114, 8787), (133, 8853), (180, 9015), (191, 9039), (211, 9087), (231, 9144), (239, 9183), (269, 9267), (280, 9303),

Gene: Bella96_18 Start: 10425, Stop: 11039, Start Num: 55
Candidate Starts for Bella96_18:
(Start: 55 @10425 has 220 MA's), (81, 10470), (143, 10647), (158, 10704), (164, 10719), (168, 10734), (178, 10764), (198, 10803), (200, 10809), (211, 10848), (214, 10860), (226, 10887), (237, 10932), (240, 10947), (247, 10971),

Gene: BellaJr_15 Start: 9265, Stop: 9927, Start Num: 50
Candidate Starts for BellaJr_15:
(Start: 50 @9265 has 270 MA's), (85, 9334), (97, 9352), (99, 9358), (141, 9487), (157, 9547), (168, 9583), (183, 9619), (190, 9631), (203, 9670), (229, 9754), (255, 9844),

Gene: Belladonna_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Belladonna_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Bellis_14 Start: 9118, Stop: 10020, Start Num: 50
Candidate Starts for Bellis_14:
(Start: 50 @9118 has 270 MA's), (88, 9184), (161, 9406), (168, 9427), (202, 9508), (227, 9589), (229, 9598), (253, 9685), (259, 9700), (277, 9739), (293, 9832), (301, 9883), (310, 9934),

Gene: Bern_18 Start: 10456, Stop: 11070, Start Num: 55
Candidate Starts for Bern_18:
(Start: 55 @10456 has 220 MA's), (81, 10501), (131, 10624), (143, 10678), (158, 10735), (164, 10750), (178, 10795), (198, 10834), (200, 10840), (211, 10879), (214, 10891), (226, 10918), (237, 10963), (240, 10978), (247, 11002),

Gene: Bernal13_14 Start: 9882, Stop: 10814, Start Num: 50
Candidate Starts for Bernal13_14:
(Start: 50 @9882 has 270 MA's), (61, 9897), (113, 10002), (127, 10047), (183, 10245), (210, 10320), (231, 10389), (236, 10413), (273, 10524), (296, 10635), (298, 10653), (299, 10668), (308, 10707), (310, 10725), (316, 10764),

Gene: BiPauneto_38 Start: 21225, Stop: 21905, Start Num: 50
Candidate Starts for BiPauneto_38:
(Start: 50 @21225 has 270 MA's), (133, 21420), (155, 21504), (171, 21555), (209, 21654), (227, 21711), (243, 21780), (264, 21831), (278, 21870),

Gene: BigCheese_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for BigCheese_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: BigPhil_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for BigPhil_12:
(Start: 20 @7403 has 2 MA's), (Start: 29 @7460 has 269 MA's), (31, 7472), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (189, 7913), (232, 8075), (257, 8168), (278, 8219), (279, 8225),

Gene: BigSherm_16 Start: 9252, Stop: 9920, Start Num: 50
Candidate Starts for BigSherm_16:

(Start: 50 @9252 has 270 MA's), (158, 9540), (203, 9660), (240, 9792), (259, 9846),

Gene: Biglebops_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for Biglebops_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: Bipolar_11 Start: 7599, Stop: 8408, Start Num: 29
Candidate Starts for Bipolar_11:
(Start: 29 @7599 has 269 MA's), (31, 7611), (67, 7680), (85, 7725), (99, 7749), (102, 7755), (122, 7818), (148, 7929), (149, 7932), (150, 7935), (151, 7938), (158, 7968), (166, 7989), (168, 7998), (189, 8052), (198, 8079), (200, 8085), (232, 8214), (250, 8286), (257, 8307), (278, 8358), (279, 8364),

Gene: Bipper_19 Start: 12607, Stop: 13194, Start Num: 73
Candidate Starts for Bipper_19:
(44, 12580), (Start: 73 @12607 has 55 MA's), (81, 12631), (93, 12652), (102, 12664), (147, 12817), (150, 12823), (164, 12871), (165, 12874), (168, 12886), (178, 12916), (209, 12994), (211, 13000), (223, 13030), (233, 13066), (237, 13084), (245, 13117), (268, 13174), (269, 13177), (270, 13180),

Gene: Birdsong_13 Start: 7836, Stop: 8429, Start Num: 73
Candidate Starts for Birdsong_13:
(Start: 73 @7836 has 55 MA's), (83, 7857), (100, 7881), (148, 8049), (167, 8109), (168, 8115), (180, 8151), (181, 8154), (200, 8190),

Gene: BlackSpider_13 Start: 8260, Stop: 8922, Start Num: 50
Candidate Starts for BlackSpider_13:
(Start: 50 @8260 has 270 MA's), (85, 8329), (97, 8347), (99, 8353), (141, 8482), (157, 8542), (168, 8578), (183, 8614), (190, 8626), (203, 8665), (222, 8725), (229, 8749),

Gene: Blackbeetle_45 Start: 18361, Stop: 19026, Start Num: 50
Candidate Starts for Blackbeetle_45:
(Start: 50 @18361 has 270 MA's), (88, 18427), (129, 18520), (133, 18547), (155, 18631), (179, 18703), (229, 18850), (231, 18856), (237, 18883), (239, 18895),

Gene: Blarby_15 Start: 8203, Stop: 8796, Start Num: 75
Candidate Starts for Blarby_15:
(Start: 75 @8203 has 42 MA's), (81, 8221), (131, 8338), (139, 8377), (157, 8443), (168, 8476), (172, 8488), (180, 8512), (211, 8584), (213, 8593), (217, 8605), (224, 8617), (231, 8641), (234, 8659),

Gene: Blessica_48 Start: 24169, Stop: 24984, Start Num: 29
Candidate Starts for Blessica_48:
(Start: 29 @24169 has 269 MA's), (67, 24250), (122, 24391), (127, 24406), (149, 24505), (154, 24523), (173, 24586), (177, 24598), (184, 24613), (219, 24730), (249, 24856),

Gene: Blexus_11 Start: 7553, Stop: 8434, Start Num: 16
Candidate Starts for Blexus_11:
(Start: 16 @7553 has 10 MA's), (Start: 20 @7568 has 2 MA's), (Start: 29 @7625 has 269 MA's), (31, 7637), (85, 7751), (99, 7775), (102, 7781), (122, 7844), (149, 7958), (150, 7961), (151, 7964), (158, 7994), (166, 8015), (168, 8024), (189, 8078), (198, 8105), (232, 8240), (257, 8333), (278, 8384), (279, 8390),

Gene: BlingBling_14 Start: 8679, Stop: 9317, Start Num: 74

Candidate Starts for BlingBling_14:
(Start: 73 @8676 has 55 MA's), (Start: 74 @8679 has 41 MA's), (111, 8769), (114, 8784), (156, 8937), (180, 9012), (191, 9036), (211, 9084), (231, 9141), (239, 9180), (269, 9264), (280, 9300),

Gene: Blino_14 Start: 8579, Stop: 9217, Start Num: 74
Candidate Starts for Blino_14:
(Start: 73 @8576 has 55 MA's), (Start: 74 @8579 has 41 MA's), (111, 8669), (114, 8684), (133, 8750), (156, 8837), (180, 8912), (191, 8936), (211, 8984), (231, 9041), (239, 9080), (269, 9164), (280, 9200),

Gene: Blizzard_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Blizzard_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: BlueCrab_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for BlueCrab_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Blueberry_16 Start: 9023, Stop: 9661, Start Num: 74
Candidate Starts for Blueberry_16:
(Start: 73 @9020 has 55 MA's), (Start: 74 @9023 has 41 MA's), (111, 9113), (114, 9128), (133, 9194), (142, 9230), (156, 9281), (180, 9356), (191, 9380), (211, 9428), (231, 9485), (239, 9524), (269, 9608), (280, 9644),

Gene: Bluvara_13 Start: 8862, Stop: 9662, Start Num: 29
Candidate Starts for Bluvara_13:
(Start: 22 @8811 has 1 MA's), (Start: 29 @8862 has 269 MA's), (72, 8958), (102, 9021), (127, 9099), (149, 9198), (158, 9234), (193, 9330), (238, 9510), (257, 9570), (263, 9576),

Gene: BobaPhett_11 Start: 7601, Stop: 8410, Start Num: 29
Candidate Starts for BobaPhett_11:
(Start: 20 @7544 has 2 MA's), (Start: 29 @7601 has 269 MA's), (31, 7613), (72, 7691), (85, 7727), (99, 7751), (102, 7757), (122, 7820), (149, 7934), (150, 7937), (151, 7940), (158, 7970), (166, 7991), (168, 8000), (187, 8048), (189, 8054), (197, 8078), (232, 8216), (250, 8288), (257, 8309), (272, 8342), (278, 8360), (279, 8366),

Gene: Bobi_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for Bobi_12:
(19, 7403), (Start: 29 @7460 has 269 MA's), (31, 7472), (72, 7550), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (189, 7913), (232, 8075), (250, 8147), (257, 8168), (278, 8219), (279, 8225),

Gene: Bobquesha_19 Start: 11469, Stop: 12080, Start Num: 57
Candidate Starts for Bobquesha_19:
(Start: 57 @11469 has 46 MA's), (96, 11535), (98, 11541), (102, 11550), (114, 11589), (133, 11646), (135, 11652), (140, 11673), (143, 11685), (158, 11742), (164, 11757), (198, 11841), (200, 11847), (210, 11883), (211, 11886), (214, 11898), (220, 11913), (237, 11970), (240, 11985), (247, 12009), (257, 12039),

Gene: BobsGarage_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for BobsGarage_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: BodEinwohner17_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for BodEinwohner17_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Boiiii_18 Start: 10546, Stop: 11157, Start Num: 55
Candidate Starts for Boiiii_18:
(Start: 55 @10546 has 220 MA's), (81, 10588), (131, 10711), (143, 10765), (158, 10822), (164, 10837), (198, 10921), (200, 10927), (211, 10966), (214, 10978), (226, 11005), (237, 11050), (240, 11065), (247, 11089), (270, 11146),

Gene: Boilgate_15 Start: 10475, Stop: 11086, Start Num: 57
Candidate Starts for Boilgate_15:
(38, 10436), (Start: 57 @10475 has 46 MA's), (96, 10541), (135, 10658), (140, 10679), (143, 10691), (158, 10748), (164, 10763), (168, 10778), (178, 10808), (198, 10847), (211, 10892), (214, 10904), (220, 10919), (237, 10976), (240, 10991), (247, 11015), (248, 11018),

Gene: Bongo_23 Start: 12816, Stop: 13715, Start Num: 50
Candidate Starts for Bongo_23:
(Start: 50 @12816 has 270 MA's), (98, 12897), (117, 12951), (119, 12957), (156, 13086), (168, 13125), (196, 13191), (212, 13245), (215, 13260), (227, 13293), (240, 13350), (243, 13362), (283, 13470), (291, 13512), (296, 13536), (303, 13584), (313, 13659), (320, 13692),

Gene: Bonum_38 Start: 21700, Stop: 22383, Start Num: 50
Candidate Starts for Bonum_38:
(Start: 50 @21700 has 270 MA's), (134, 21901), (146, 21949), (171, 22033), (185, 22063), (209, 22132), (212, 22141), (227, 22189), (243, 22258), (278, 22348),

Gene: Boomer_12 Start: 7386, Stop: 8270, Start Num: 14
Candidate Starts for Boomer_12:
(Start: 14 @7386 has 3 MA's), (Start: 16 @7389 has 10 MA's), (Start: 20 @7404 has 2 MA's), (Start: 29 @7461 has 269 MA's), (31, 7473), (72, 7551), (85, 7587), (99, 7611), (102, 7617), (122, 7680), (149, 7794), (150, 7797), (151, 7800), (158, 7830), (166, 7851), (168, 7860), (187, 7908), (189, 7914), (198, 7941), (232, 8076), (250, 8148), (257, 8169), (278, 8220), (279, 8226),

Gene: BoostSeason_14 Start: 8528, Stop: 9151, Start Num: 47
Candidate Starts for BoostSeason_14:
(27, 8462), (Start: 47 @8528 has 3 MA's), (78, 8576), (81, 8585), (133, 8723), (158, 8819), (164, 8834), (168, 8849), (178, 8879), (198, 8918), (200, 8924), (201, 8927), (211, 8963), (214, 8975), (220, 8990), (237, 9047), (240, 9062), (247, 9086),

Gene: Bora_44 Start: 23219, Stop: 24034, Start Num: 29
Candidate Starts for Bora_44:
(Start: 29 @23219 has 269 MA's), (67, 23300), (122, 23441), (127, 23456), (149, 23555), (154, 23573), (173, 23636), (177, 23648), (184, 23663), (219, 23780), (249, 23906),

Gene: BotCity_13 Start: 7512, Stop: 8084, Start Num: 73
Candidate Starts for BotCity_13:
(Start: 73 @7512 has 55 MA's), (81, 7533), (92, 7554), (102, 7566), (150, 7725), (163, 7767), (172, 7800), (241, 7989), (273, 8073),

Gene: BourbonZero_13 Start: 9125, Stop: 10027, Start Num: 50
Candidate Starts for BourbonZero_13:
(Start: 50 @9125 has 270 MA's), (88, 9191), (161, 9413), (168, 9434), (186, 9473), (202, 9515), (227, 9596), (229, 9605), (253, 9692), (259, 9707), (277, 9746), (301, 9890), (310, 9941),

Gene: BrainDrainer_14 Start: 8811, Stop: 9713, Start Num: 50
Candidate Starts for BrainDrainer_14:
(Start: 50 @8811 has 270 MA's), (88, 8877), (161, 9099), (168, 9120), (202, 9201), (213, 9240), (227, 9282), (229, 9291), (253, 9378), (259, 9393), (277, 9432), (283, 9459), (289, 9495), (291, 9501), (295, 9534), (300, 9573), (301, 9576), (310, 9627), (317, 9678),

Gene: Braxoaddie_39 Start: 23217, Stop: 23885, Start Num: 50
Candidate Starts for Braxoaddie_39:
(Start: 50 @23217 has 270 MA's), (97, 23298), (116, 23355), (141, 23439), (171, 23541), (174, 23553), (209, 23640), (227, 23697), (243, 23766), (245, 23772), (249, 23784), (277, 23850), (278, 23856),

Gene: BrayBeast_12 Start: 8007, Stop: 8660, Start Num: 50
Candidate Starts for BrayBeast_12:
(Start: 50 @8007 has 270 MA's), (83, 8067), (107, 8118), (130, 8172), (153, 8268), (155, 8277), (161, 8298), (169, 8322), (183, 8355), (223, 8469), (278, 8634),

Gene: Breezona_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Breezona_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Bricole_23 Start: 12815, Stop: 13714, Start Num: 50
Candidate Starts for Bricole_23:
(Start: 50 @12815 has 270 MA's), (98, 12896), (117, 12950), (119, 12956), (156, 13085), (168, 13124), (196, 13190), (212, 13244), (215, 13259), (227, 13292), (240, 13349), (243, 13361), (283, 13469), (291, 13511), (296, 13535), (303, 13583), (313, 13658), (315, 13664), (320, 13691),

Gene: Brocalys_11 Start: 7598, Stop: 8407, Start Num: 29
Candidate Starts for Brocalys_11:
(Start: 29 @7598 has 269 MA's), (31, 7610), (72, 7688), (85, 7724), (99, 7748), (102, 7754), (122, 7817), (149, 7931), (150, 7934), (151, 7937), (158, 7967), (166, 7988), (168, 7997), (189, 8051), (232, 8213), (257, 8306), (278, 8357), (279, 8363),

Gene: Bromden_14 Start: 9135, Stop: 10037, Start Num: 50
Candidate Starts for Bromden_14:
(Start: 50 @9135 has 270 MA's), (88, 9201), (161, 9423), (168, 9444), (202, 9525), (211, 9555), (213, 9564), (223, 9594), (227, 9606), (229, 9615), (253, 9702), (259, 9717), (277, 9756), (283, 9783), (295, 9858), (300, 9897), (301, 9900), (310, 9951), (317, 10002),

Gene: Brookers_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for Brookers_12:

(Start: 20 @7403 has 2 MA's), (Start: 29 @7460 has 269 MA's), (31, 7472), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (189, 7913), (232, 8075), (257, 8168), (278, 8219), (279, 8225),

Gene: BruceB_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for BruceB_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: BruceLethal_11 Start: 7160, Stop: 7792, Start Num: 75
Candidate Starts for BruceLethal_11:
(Start: 69 @7148 has 12 MA's), (Start: 74 @7157 has 41 MA's), (Start: 75 @7160 has 42 MA's), (117, 7253), (141, 7340), (151, 7376), (211, 7529), (212, 7532), (239, 7625), (243, 7640), (245, 7646), (260, 7688), (268, 7706),

Gene: Brujita_13 Start: 8865, Stop: 9665, Start Num: 29
Candidate Starts for Brujita_13:
(23, 8820), (Start: 29 @8865 has 269 MA's), (72, 8961), (102, 9024), (127, 9102), (149, 9201), (158, 9237), (238, 9513), (257, 9573), (263, 9579),

Gene: Brushbloom_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Brushbloom_12:
(Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (67, 7544), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (148, 7793), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (272, 8204), (278, 8222), (279, 8228),

Gene: BrutonGaster_30 Start: 14524, Stop: 15189, Start Num: 50
Candidate Starts for BrutonGaster_30:
(Start: 43 @14506 has 2 MA's), (Start: 50 @14524 has 270 MA's), (141, 14755), (157, 14815), (160, 14824), (204, 14941),

Gene: Bryler_17 Start: 9523, Stop: 10137, Start Num: 55
Candidate Starts for Bryler_17:
(Start: 55 @9523 has 220 MA's), (Start: 69 @9535 has 12 MA's), (81, 9568), (143, 9745), (158, 9802), (164, 9817), (168, 9832), (178, 9862), (198, 9901), (200, 9907), (226, 9985), (240, 10045), (248, 10072),

Gene: Bubbles123_11 Start: 7629, Stop: 8438, Start Num: 29
Candidate Starts for Bubbles123_11:
(Start: 20 @7572 has 2 MA's), (Start: 29 @7629 has 269 MA's), (31, 7641), (72, 7719), (85, 7755), (99, 7779), (102, 7785), (122, 7848), (148, 7959), (149, 7962), (150, 7965), (151, 7968), (158, 7998), (166, 8019), (168, 8028), (187, 8076), (189, 8082), (198, 8109), (216, 8178), (232, 8244), (250, 8316), (257, 8337), (278, 8388), (279, 8394),

Gene: Budski_13 Start: 7501, Stop: 8073, Start Num: 73
Candidate Starts for Budski_13:
(Start: 73 @7501 has 55 MA's), (81, 7522), (92, 7543), (102, 7555), (150, 7714), (163, 7756), (172, 7789), (241, 7978), (273, 8062),

Gene: Buggaboo_36 Start: 22185, Stop: 22868, Start Num: 50
Candidate Starts for Buggaboo_36:

(Start: 50 @22185 has 270 MA's), (134, 22386), (171, 22518), (209, 22617), (212, 22626), (227, 22674), (243, 22743), (278, 22833),

Gene: Burwell21_11 Start: 7608, Stop: 8417, Start Num: 29
Candidate Starts for Burwell21_11:
(Start: 16 @7536 has 10 MA's), (19, 7551), (Start: 29 @7608 has 269 MA's), (31, 7620), (72, 7698), (85, 7734), (99, 7758), (102, 7764), (122, 7827), (149, 7941), (150, 7944), (151, 7947), (158, 7977), (166, 7998), (168, 8007), (187, 8055), (189, 8061), (197, 8085), (232, 8223), (250, 8295), (257, 8316), (272, 8349), (278, 8367), (279, 8373),

Gene: BuzzLyseyear_12 Start: 7459, Stop: 8268, Start Num: 29
Candidate Starts for BuzzLyseyear_12:
(Start: 20 @7402 has 2 MA's), (Start: 29 @7459 has 269 MA's), (31, 7471), (72, 7549), (85, 7585), (99, 7609), (102, 7615), (122, 7678), (149, 7792), (150, 7795), (151, 7798), (158, 7828), (166, 7849), (168, 7858), (189, 7912), (232, 8074), (250, 8146), (257, 8167), (278, 8218), (279, 8224),

Gene: ByChance_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for ByChance_11:
(Start: 29 @7611 has 269 MA's), (31, 7623), (72, 7701), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (189, 8064), (198, 8091), (232, 8226), (250, 8298), (257, 8319), (272, 8352), (278, 8370), (279, 8376),

Gene: Byougenkin_11 Start: 7602, Stop: 8411, Start Num: 29
Candidate Starts for Byougenkin_11:
(Start: 29 @7602 has 269 MA's), (31, 7614), (72, 7692), (85, 7728), (99, 7752), (102, 7758), (122, 7821), (148, 7932), (149, 7935), (150, 7938), (151, 7941), (158, 7971), (166, 7992), (168, 8001), (189, 8055), (250, 8289), (257, 8310), (278, 8361), (279, 8367),

Gene: C3PO_23 Start: 15961, Stop: 16623, Start Num: 50
Candidate Starts for C3PO_23:
(Start: 50 @15961 has 270 MA's), (62, 15979), (97, 16042), (99, 16048), (171, 16282), (209, 16378), (227, 16435), (231, 16450), (278, 16594),

Gene: CLED96_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for CLED96_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: CREW_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for CREW_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Cabrinians_11 Start: 7601, Stop: 8410, Start Num: 29
Candidate Starts for Cabrinians_11:
(Start: 29 @7601 has 269 MA's), (31, 7613), (72, 7691), (85, 7727), (99, 7751), (102, 7757), (122, 7820), (149, 7934), (150, 7937), (151, 7940), (158, 7970), (166, 7991), (168, 8000), (189, 8054), (198, 8081), (232, 8216), (250, 8288), (257, 8309), (272, 8342), (278, 8360), (279, 8366),

Gene: Cafasso_13 Start: 8905, Stop: 9573, Start Num: 48
Candidate Starts for Cafasso_13:

(Start: 48 @8905 has 14 MA's), (202, 9307), (227, 9388), (240, 9445), (270, 9526), (278, 9547),

Gene: Cain_17 Start: 9511, Stop: 10125, Start Num: 55
Candidate Starts for Cain_17:
(Start: 55 @9511 has 220 MA's), (Start: 69 @9523 has 12 MA's), (81, 9556), (143, 9733), (158, 9790), (164, 9805), (168, 9820), (178, 9850), (198, 9889), (200, 9895), (226, 9973), (240, 10033), (248, 10060),

Gene: CallaLilly_18 Start: 10471, Stop: 11082, Start Num: 55
Candidate Starts for CallaLilly_18:
(Start: 55 @10471 has 220 MA's), (81, 10513), (131, 10636), (143, 10690), (158, 10747), (164, 10762), (198, 10846), (200, 10852), (211, 10891), (214, 10903), (226, 10930), (237, 10975), (240, 10990), (247, 11014),

Gene: Calm_13 Start: 8990, Stop: 9892, Start Num: 50
Candidate Starts for Calm_13:
(Start: 50 @8990 has 270 MA's), (88, 9056), (91, 9062), (129, 9146), (168, 9299), (172, 9311), (202, 9380), (213, 9419), (223, 9449), (229, 9470), (289, 9674), (295, 9713), (310, 9806), (312, 9830), (321, 9875),

Gene: Cambiare_14 Start: 10474, Stop: 11094, Start Num: 55
Candidate Starts for Cambiare_14:
(Start: 55 @10474 has 220 MA's), (95, 10549), (114, 10606), (131, 10648), (133, 10663), (158, 10759), (164, 10774), (171, 10798), (178, 10819), (198, 10858), (204, 10882), (211, 10903), (220, 10930), (231, 10960), (240, 11002), (247, 11026), (257, 11056),

Gene: Camri_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Camri_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Caprice_44 Start: 18431, Stop: 19096, Start Num: 50
Candidate Starts for Caprice_44:
(Start: 50 @18431 has 270 MA's), (88, 18497), (129, 18590), (133, 18617), (155, 18701), (179, 18773), (229, 18920), (231, 18926), (237, 18953), (239, 18965),

Gene: Capricorn_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Capricorn_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: CaptainKirk2_14 Start: 8682, Stop: 9320, Start Num: 74
Candidate Starts for CaptainKirk2_14:
(Start: 73 @8679 has 55 MA's), (Start: 74 @8682 has 41 MA's), (111, 8772), (114, 8787), (156, 8940), (180, 9015), (191, 9039), (211, 9087), (231, 9144), (239, 9183), (269, 9267), (280, 9303),

Gene: CaptainTrips_12 Start: 8279, Stop: 9088, Start Num: 29
Candidate Starts for CaptainTrips_12:
(Start: 17 @8207 has 1 MA's), (Start: 29 @8279 has 269 MA's), (31, 8291), (67, 8360), (72, 8369), (85, 8405), (99, 8429), (102, 8435), (122, 8498), (148, 8609), (149, 8612), (150, 8615), (158, 8648), (166, 8669), (168, 8678), (189, 8732), (232, 8894), (250, 8966), (257, 8987), (278, 9038), (279, 9044),

Gene: CardboardBox_14 Start: 8154, Stop: 8732, Start Num: 73
Candidate Starts for CardboardBox_14:
(Start: 73 @8154 has 55 MA's), (168, 8433), (207, 8535), (227, 8589), (269, 8721),

Gene: Cardigan_40 Start: 19485, Stop: 20150, Start Num: 50
Candidate Starts for Cardigan_40:
(Start: 50 @19485 has 270 MA's), (102, 19578), (129, 19647), (183, 19836), (196, 19863), (249, 20052),

Gene: CarolAnn_14 Start: 8578, Stop: 9216, Start Num: 74
Candidate Starts for CarolAnn_14:
(Start: 73 @8575 has 55 MA's), (Start: 74 @8578 has 41 MA's), (111, 8668), (114, 8683), (133, 8749), (156, 8836), (180, 8911), (191, 8935), (211, 8983), (231, 9040), (239, 9079), (269, 9163), (280, 9199),

Gene: CaseJules_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for CaseJules_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: CassieYates_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for CassieYates_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Cassini_13 Start: 8229, Stop: 8891, Start Num: 50
Candidate Starts for Cassini_13:
(Start: 50 @8229 has 270 MA's), (85, 8298), (97, 8316), (99, 8322), (141, 8451), (157, 8511), (168, 8547), (183, 8583), (190, 8595), (203, 8634), (229, 8718),

Gene: Catdawg_47 Start: 23858, Stop: 24673, Start Num: 29
Candidate Starts for Catdawg_47:
(Start: 29 @23858 has 269 MA's), (67, 23939), (122, 24080), (127, 24095), (149, 24194), (154, 24212), (173, 24275), (177, 24287), (184, 24302), (219, 24419), (249, 24545),

Gene: Catfish_16 Start: 9760, Stop: 10344, Start Num: 87
Candidate Starts for Catfish_16:
(70, 9721), (Start: 87 @9760 has 1 MA's), (110, 9811), (121, 9844), (128, 9868), (195, 10096), (206, 10135), (213, 10156), (217, 10168), (235, 10225), (257, 10291), (264, 10297),

Gene: Cedasite_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Cedasite_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Cerasum_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for Cerasum_12:
(Start: 20 @7403 has 2 MA's), (Start: 29 @7460 has 269 MA's), (31, 7472), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (189, 7913), (232, 8075), (257, 8168), (278, 8219), (279, 8225),

Gene: ChamoyPickle_14 Start: 8154, Stop: 8732, Start Num: 73
Candidate Starts for ChamoyPickle_14:
(Start: 73 @8154 has 55 MA's), (168, 8433), (207, 8535), (227, 8589), (269, 8721),

Gene: Chance64_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Chance64_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Chancellor_19 Start: 11727, Stop: 12338, Start Num: 57
Candidate Starts for Chancellor_19:
(Start: 57 @11727 has 46 MA's), (96, 11793), (98, 11799), (114, 11847), (133, 11904), (135, 11910), (140, 11931), (143, 11943), (158, 12000), (164, 12015), (198, 12099), (200, 12105), (211, 12144), (214, 12156), (220, 12171), (237, 12228), (240, 12243), (247, 12267), (257, 12297),

Gene: Chaser_13 Start: 8726, Stop: 9628, Start Num: 50
Candidate Starts for Chaser_13:
(Start: 50 @8726 has 270 MA's), (88, 8792), (161, 9014), (168, 9035), (202, 9116), (213, 9155), (227, 9197), (229, 9206), (259, 9308), (277, 9347), (283, 9374), (289, 9410), (291, 9416), (295, 9449), (300, 9488), (301, 9491), (310, 9542), (317, 9593),

Gene: Chavito_18 Start: 9579, Stop: 10190, Start Num: 57
Candidate Starts for Chavito_18:
(Start: 57 @9579 has 46 MA's), (81, 9621), (114, 9702), (133, 9759), (143, 9798), (158, 9855), (164, 9870), (178, 9915), (198, 9954), (200, 9960), (201, 9963), (214, 10011), (220, 10026), (237, 10083),

Gene: Che8_11 Start: 7613, Stop: 8422, Start Num: 29
Candidate Starts for Che8_11:
(Start: 20 @7556 has 2 MA's), (Start: 29 @7613 has 269 MA's), (31, 7625), (72, 7703), (85, 7739), (99, 7763), (102, 7769), (122, 7832), (149, 7946), (150, 7949), (151, 7952), (158, 7982), (166, 8003), (168, 8012), (189, 8066), (198, 8093), (216, 8162), (232, 8228), (250, 8300), (257, 8321), (278, 8372), (279, 8378),

Gene: Che9c_12 Start: 8479, Stop: 9276, Start Num: 29
Candidate Starts for Che9c_12:
(Start: 22 @8431 has 1 MA's), (Start: 29 @8479 has 269 MA's), (72, 8575), (123, 8710), (149, 8815), (198, 8962), (227, 9076), (257, 9184), (263, 9190),

Gene: Che9d_14 Start: 7688, Stop: 8281, Start Num: 75
Candidate Starts for Che9d_14:
(Start: 75 @7688 has 42 MA's), (81, 7706), (131, 7823), (139, 7862), (157, 7928), (168, 7961), (172, 7973), (180, 7997), (211, 8069), (213, 8078), (217, 8090), (224, 8102), (231, 8126), (234, 8144),

Gene: CheeseSpider_16 Start: 9022, Stop: 9660, Start Num: 74
Candidate Starts for CheeseSpider_16:
(Start: 73 @9019 has 55 MA's), (Start: 74 @9022 has 41 MA's), (111, 9112), (114, 9127), (142, 9229), (156, 9280), (180, 9355), (191, 9379), (211, 9427), (239, 9523), (269, 9607), (280, 9643),

Gene: CheeseTouch_13 Start: 7501, Stop: 8073, Start Num: 73
Candidate Starts for CheeseTouch_13:

(Start: 73 @7501 has 55 MA's), (81, 7522), (92, 7543), (102, 7555), (150, 7714), (163, 7756), (172, 7789), (241, 7978), (273, 8062),

Gene: Cheesepuff_11 Start: 7612, Stop: 8421, Start Num: 29
Candidate Starts for Cheesepuff_11:
(Start: 29 @7612 has 269 MA's), (31, 7624), (72, 7702), (85, 7738), (99, 7762), (102, 7768), (122, 7831), (149, 7945), (150, 7948), (151, 7951), (158, 7981), (166, 8002), (168, 8011), (189, 8065), (198, 8092), (232, 8227), (250, 8299), (257, 8320), (278, 8371), (279, 8377),

Gene: CheetoDust_18 Start: 10521, Stop: 11132, Start Num: 55
Candidate Starts for CheetoDust_18:
(Start: 55 @10521 has 220 MA's), (81, 10563), (131, 10686), (143, 10740), (158, 10797), (164, 10812), (192, 10881), (198, 10896), (200, 10902), (211, 10941), (226, 10980), (237, 11025), (240, 11040), (247, 11064), (270, 11121),

Gene: Cheetobro_19 Start: 11727, Stop: 12338, Start Num: 57
Candidate Starts for Cheetobro_19:
(Start: 57 @11727 has 46 MA's), (96, 11793), (98, 11799), (114, 11847), (133, 11904), (135, 11910), (140, 11931), (143, 11943), (158, 12000), (164, 12015), (198, 12099), (200, 12105), (211, 12144), (214, 12156), (220, 12171), (237, 12228), (240, 12243), (247, 12267), (257, 12297),

Gene: ChengKai98_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for ChengKai98_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (291, 9689), (310, 9815), (321, 9884),

Gene: Cherrybomb426_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Cherrybomb426_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Chevrolet_11 Start: 7620, Stop: 8429, Start Num: 29
Candidate Starts for Chevrolet_11:
(Start: 29 @7620 has 269 MA's), (31, 7632), (67, 7701), (72, 7710), (85, 7746), (99, 7770), (102, 7776), (122, 7839), (149, 7953), (150, 7956), (158, 7989), (166, 8010), (168, 8019), (189, 8073), (198, 8100), (218, 8175), (250, 8307), (257, 8328), (278, 8379), (279, 8385),

Gene: ChewyVIII_49 Start: 28800, Stop: 29486, Start Num: 50
Candidate Starts for ChewyVIII_49:
(Start: 50 @28800 has 270 MA's), (91, 28875), (155, 29088), (171, 29139), (209, 29238), (223, 29283), (227, 29295), (243, 29364), (245, 29370), (278, 29454), (286, 29472),

Gene: ChickenDinner_12 Start: 7464, Stop: 8273, Start Num: 29
Candidate Starts for ChickenDinner_12:
(Start: 16 @7392 has 10 MA's), (Start: 20 @7407 has 2 MA's), (Start: 29 @7464 has 269 MA's), (31, 7476), (72, 7554), (85, 7590), (99, 7614), (102, 7620), (122, 7683), (149, 7797), (150, 7800), (151, 7803), (158, 7833), (166, 7854), (168, 7863), (189, 7917), (198, 7944), (232, 8079), (250, 8151), (257, 8172), (278, 8223), (279, 8229),

Gene: ChipsNGuac_14 Start: 8154, Stop: 8732, Start Num: 73
Candidate Starts for ChipsNGuac_14:

(Start: 73 @8154 has 55 MA's), (168, 8433), (207, 8535), (227, 8589), (269, 8721),

Gene: Chris_17 Start: 9487, Stop: 10098, Start Num: 55
Candidate Starts for Chris_17:
(Start: 55 @9487 has 220 MA's), (81, 9529), (143, 9706), (158, 9763), (164, 9778), (178, 9823), (198, 9862), (200, 9868), (231, 9964), (240, 10006), (247, 10030), (257, 10060), (268, 10081),

Gene: Chuckly_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Chuckly_11:
(Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (272, 8372), (278, 8390), (279, 8396),

Gene: ChutneyChips_13 Start: 8715, Stop: 9617, Start Num: 50
Candidate Starts for ChutneyChips_13:
(Start: 50 @8715 has 270 MA's), (88, 8781), (104, 8814), (161, 9003), (168, 9024), (202, 9105), (212, 9138), (213, 9144), (227, 9186), (229, 9195), (253, 9282), (259, 9297), (283, 9363), (289, 9399), (300, 9477), (301, 9480), (310, 9531), (317, 9582),

Gene: CicholasNage_13 Start: 8990, Stop: 9892, Start Num: 50
Candidate Starts for CicholasNage_13:
(Start: 50 @8990 has 270 MA's), (88, 9056), (91, 9062), (129, 9146), (168, 9299), (172, 9311), (202, 9380), (213, 9419), (223, 9449), (229, 9470), (289, 9674), (295, 9713), (310, 9806), (312, 9830), (321, 9875),

Gene: Clank_11 Start: 7599, Stop: 8408, Start Num: 29
Candidate Starts for Clank_11:
(Start: 29 @7599 has 269 MA's), (31, 7611), (67, 7680), (85, 7725), (99, 7749), (102, 7755), (122, 7818), (149, 7932), (150, 7935), (158, 7968), (166, 7989), (168, 7998), (189, 8052), (198, 8079), (200, 8085), (250, 8286), (257, 8307), (278, 8358), (279, 8364),

Gene: Clarkson_46 Start: 19043, Stop: 19708, Start Num: 50
Candidate Starts for Clarkson_46:
(Start: 50 @19043 has 270 MA's), (88, 19109), (129, 19202), (133, 19229), (155, 19313), (179, 19385), (229, 19532), (231, 19538), (237, 19565), (239, 19577),

Gene: Claus_13 Start: 9010, Stop: 9909, Start Num: 50
Candidate Starts for Claus_13:
(Start: 50 @9010 has 270 MA's), (88, 9073), (100, 9094), (129, 9163), (161, 9295), (168, 9316), (202, 9397), (227, 9478), (229, 9487), (255, 9577), (259, 9589), (277, 9628), (286, 9670), (289, 9691), (291, 9697), (310, 9823), (321, 9892),

Gene: Clautastrophe_14 Start: 9123, Stop: 10025, Start Num: 50
Candidate Starts for Clautastrophe_14:
(Start: 50 @9123 has 270 MA's), (88, 9189), (161, 9411), (168, 9432), (202, 9513), (227, 9594), (229, 9603), (253, 9690), (259, 9705), (277, 9744), (293, 9837), (301, 9888), (310, 9939),

Gene: Clifton_11 Start: 7597, Stop: 8406, Start Num: 29
Candidate Starts for Clifton_11:
(Start: 29 @7597 has 269 MA's), (31, 7609), (72, 7687), (85, 7723), (99, 7747), (102, 7753), (122, 7816), (149, 7930), (150, 7933), (151, 7936), (158, 7966), (166, 7987), (168, 7996), (189, 8050), (198, 8077), (232, 8212), (257, 8305), (278, 8356), (279, 8362),

Gene: Clipper_18 Start: 10521, Stop: 11132, Start Num: 55
Candidate Starts for Clipper_18:
(Start: 55 @10521 has 220 MA's), (81, 10563), (131, 10686), (143, 10740), (158, 10797), (164, 10812), (198, 10896), (200, 10902), (211, 10941), (226, 10980), (237, 11025), (240, 11040), (247, 11064), (270, 11121),

Gene: Cloudyecho_13 Start: 10076, Stop: 10699, Start Num: 55
Candidate Starts for Cloudyecho_13:
(Start: 55 @10076 has 220 MA's), (95, 10154), (114, 10211), (131, 10253), (133, 10268), (158, 10364), (164, 10379), (171, 10403), (178, 10424), (198, 10463), (204, 10487), (220, 10535), (231, 10565), (240, 10607),

Gene: ClubL_42 Start: 17833, Stop: 18498, Start Num: 50
Candidate Starts for ClubL_42:
(Start: 50 @17833 has 270 MA's), (100, 17923), (213, 18280), (259, 18433),

Gene: Coco12_12 Start: 7462, Stop: 8271, Start Num: 29
Candidate Starts for Coco12_12:
(Start: 29 @7462 has 269 MA's), (31, 7474), (72, 7552), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (187, 7909), (189, 7915), (232, 8077), (250, 8149), (257, 8170), (278, 8221), (279, 8227),

Gene: CocoCinnamon_16 Start: 9349, Stop: 9993, Start Num: 51
Candidate Starts for CocoCinnamon_16:
(Start: 50 @9346 has 270 MA's), (Start: 51 @9349 has 9 MA's), (83, 9406), (107, 9457), (119, 9478), (161, 9634), (169, 9658), (176, 9682), (203, 9742), (209, 9760), (278, 9970),

Gene: CoffeeBean_39 Start: 23172, Stop: 23840, Start Num: 50
Candidate Starts for CoffeeBean_39:
(Start: 50 @23172 has 270 MA's), (97, 23253), (116, 23310), (141, 23394), (171, 23496), (174, 23508), (209, 23595), (227, 23652), (243, 23721), (245, 23727), (249, 23739), (277, 23805), (278, 23811),

Gene: Cole_14 Start: 8911, Stop: 9579, Start Num: 50
Candidate Starts for Cole_14:
(Start: 50 @8911 has 270 MA's), (158, 9199), (203, 9319), (240, 9451), (259, 9505),

Gene: Coleslaw_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Coleslaw_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Collard_16 Start: 10585, Stop: 11196, Start Num: 55
Candidate Starts for Collard_16:
(Start: 55 @10585 has 220 MA's), (81, 10630), (143, 10807), (158, 10864), (164, 10879), (168, 10894), (198, 10963), (200, 10969), (211, 11008), (220, 11035), (237, 11092), (240, 11107), (247, 11131), (257, 11161),

Gene: Colossa_14 Start: 8718, Stop: 9617, Start Num: 48
Candidate Starts for Colossa_14:
(Start: 48 @8718 has 14 MA's), (101, 8808), (116, 8853), (227, 9195), (283, 9369), (287, 9381), (292, 9414), (304, 9492),

Gene: Commandaria_37 Start: 22702, Stop: 23388, Start Num: 50
Candidate Starts for Commandaria_37:
(Start: 50 @22702 has 270 MA's), (133, 22900), (134, 22903), (146, 22951), (171, 23035), (209, 23134), (227, 23191), (241, 23251), (243, 23260), (255, 23290), (264, 23311), (278, 23350),

Gene: Corazon_43 Start: 18996, Stop: 19661, Start Num: 50
Candidate Starts for Corazon_43:
(Start: 50 @18996 has 270 MA's), (88, 19062), (129, 19155), (133, 19182), (155, 19266), (179, 19338), (229, 19485), (231, 19491), (237, 19518), (239, 19530),

Gene: Corium_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for Corium_11:
(Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (99, 7782), (102, 7788), (122, 7851), (149, 7965), (150, 7968), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: Corndog_49 Start: 24316, Stop: 25131, Start Num: 29
Candidate Starts for Corndog_49:
(Start: 29 @24316 has 269 MA's), (67, 24397), (122, 24538), (127, 24553), (149, 24652), (154, 24670), (173, 24733), (177, 24745), (184, 24760), (219, 24877), (249, 25003),

Gene: Cornie_12 Start: 7811, Stop: 8707, Start Num: 15
Candidate Starts for Cornie_12:
(Start: 15 @7811 has 1 MA's), (Start: 29 @7898 has 269 MA's), (85, 8024), (102, 8054), (113, 8087), (115, 8099), (123, 8126), (149, 8231), (175, 8321), (232, 8513), (250, 8585), (257, 8606),

Gene: Cornucopia_12 Start: 7481, Stop: 8290, Start Num: 29
Candidate Starts for Cornucopia_12:
(Start: 29 @7481 has 269 MA's), (31, 7493), (67, 7562), (72, 7571), (85, 7607), (99, 7631), (102, 7637), (122, 7700), (148, 7811), (149, 7814), (150, 7817), (151, 7820), (158, 7850), (166, 7871), (168, 7880), (187, 7928), (189, 7934), (198, 7961), (216, 8030), (232, 8096), (250, 8168), (257, 8189), (278, 8240), (279, 8246),

Gene: Cosmo_35 Start: 15894, Stop: 16805, Start Num: 50
Candidate Starts for Cosmo_35:
(Start: 50 @15894 has 270 MA's), (76, 15933), (88, 15960), (89, 15963), (98, 15975), (103, 15990), (168, 16203), (196, 16269), (198, 16275), (234, 16404), (243, 16440), (281, 16539), (285, 16560), (296, 16614), (297, 16617), (306, 16677), (309, 16701), (310, 16704), (311, 16713), (315, 16740), (319, 16770), (320, 16782),

Gene: Cota_11 Start: 7170, Stop: 7796, Start Num: 75
Candidate Starts for Cota_11:
(Start: 69 @7158 has 12 MA's), (Start: 74 @7167 has 41 MA's), (Start: 75 @7170 has 42 MA's), (117, 7263), (141, 7350), (151, 7386), (211, 7539), (212, 7542), (231, 7596), (239, 7635), (243, 7650), (245, 7656), (260, 7698), (268, 7716),

Gene: Cracklewink_19 Start: 12607, Stop: 13194, Start Num: 73
Candidate Starts for Cracklewink_19:
(44, 12580), (Start: 73 @12607 has 55 MA's), (81, 12631), (93, 12652), (102, 12664), (147, 12817), (150, 12823), (164, 12871), (165, 12874), (168, 12886), (178, 12916), (211, 13000), (223, 13030), (233, 13066), (237, 13084), (245, 13117), (268, 13174), (269, 13177), (270, 13180),

Gene: Crater_13 Start: 7836, Stop: 8429, Start Num: 73

Candidate Starts for Crater_13:
(Start: 73 @7836 has 55 MA's), (83, 7857), (100, 7881), (135, 7995), (151, 8055), (158, 8085), (167, 8109), (168, 8115), (180, 8151), (181, 8154), (200, 8190), (211, 8229), (243, 8340),

Gene: Crespo_13 Start: 9855, Stop: 10469, Start Num: 55
Candidate Starts for Crespo_13:
(Start: 55 @9855 has 220 MA's), (81, 9900), (95, 9924), (123, 10002), (131, 10023), (133, 10038), (158, 10134), (164, 10149), (171, 10173), (178, 10194), (198, 10233), (204, 10257), (207, 10266), (211, 10278), (231, 10335), (237, 10362), (240, 10377), (247, 10401),

Gene: CrimD_18 Start: 10473, Stop: 11087, Start Num: 55
Candidate Starts for CrimD_18:
(Start: 55 @10473 has 220 MA's), (81, 10518), (131, 10641), (143, 10695), (158, 10752), (164, 10767), (198, 10851), (200, 10857), (211, 10896), (214, 10908), (226, 10935), (237, 10980), (240, 10995), (247, 11019), (270, 11076),

Gene: Crossroads_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Crossroads_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Cruella_23 Start: 15961, Stop: 16623, Start Num: 50
Candidate Starts for Cruella_23:
(Start: 50 @15961 has 270 MA's), (62, 15979), (97, 16042), (99, 16048), (171, 16282), (209, 16378), (227, 16435), (231, 16450), (278, 16594),

Gene: Crumble_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for Crumble_11:
(Start: 29 @7611 has 269 MA's), (31, 7623), (72, 7701), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (189, 8064), (198, 8091), (250, 8298), (257, 8319), (278, 8370), (279, 8376),

Gene: Cucurbita_44 Start: 19203, Stop: 19868, Start Num: 50
Candidate Starts for Cucurbita_44:
(Start: 50 @19203 has 270 MA's), (100, 19293), (213, 19650), (259, 19803),

Gene: Culver_42 Start: 17642, Stop: 18307, Start Num: 50
Candidate Starts for Culver_42:
(Start: 50 @17642 has 270 MA's), (100, 17732), (213, 18089),

Gene: Curiosium_19 Start: 9949, Stop: 10563, Start Num: 57
Candidate Starts for Curiosium_19:
(Start: 57 @9949 has 46 MA's), (81, 9994), (133, 10132), (143, 10171), (158, 10228), (168, 10258), (178, 10288), (198, 10327), (201, 10336), (211, 10372), (237, 10456), (247, 10495), (257, 10525), (268, 10546),

Gene: DHan_13 Start: 8946, Stop: 9845, Start Num: 50
Candidate Starts for DHan_13:
(Start: 50 @8946 has 270 MA's), (88, 9009), (100, 9030), (129, 9099), (161, 9231), (168, 9252), (202, 9333), (227, 9414), (229, 9423), (255, 9513), (259, 9525), (277, 9564), (286, 9606), (289, 9627), (291, 9633), (302, 9714), (310, 9759), (321, 9828),

Gene: DLane_11 Start: 7630, Stop: 8439, Start Num: 29
Candidate Starts for DLane_11:
(4, 7432), (6, 7453), (7, 7456), (24, 7591), (Start: 29 @7630 has 269 MA's), (31, 7642), (67, 7711), (72, 7720), (85, 7756), (99, 7780), (102, 7786), (122, 7849), (145, 7948), (149, 7963), (150, 7966), (158, 7999), (166, 8020), (168, 8029), (189, 8083), (232, 8245), (250, 8317), (257, 8338), (278, 8389), (279, 8395),

Gene: DMoney_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for DMoney_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: DNAIII_0013 Start: 9863, Stop: 10477, Start Num: 55
Candidate Starts for DNAIII_0013:
(Start: 55 @9863 has 220 MA's), (81, 9908), (95, 9932), (123, 10010), (131, 10031), (133, 10046), (158, 10142), (164, 10157), (171, 10181), (178, 10202), (198, 10241), (204, 10265), (207, 10274), (211, 10286), (231, 10343), (237, 10370), (240, 10385), (247, 10409),

Gene: DRBy19_11 Start: 7624, Stop: 8433, Start Num: 29
Candidate Starts for DRBy19_11:
(Start: 16 @7552 has 10 MA's), (Start: 20 @7567 has 2 MA's), (Start: 29 @7624 has 269 MA's), (31, 7636), (72, 7714), (85, 7750), (99, 7774), (102, 7780), (122, 7843), (149, 7957), (150, 7960), (151, 7963), (158, 7993), (166, 8014), (168, 8023), (189, 8077), (198, 8104), (232, 8239), (250, 8311), (257, 8332), (278, 8383), (279, 8389),

Gene: DS6A_16 Start: 10775, Stop: 11446, Start Num: 73
Candidate Starts for DS6A_16:
(Start: 73 @10775 has 55 MA's), (127, 10898), (131, 10913), (160, 11027), (178, 11084), (180, 11090), (198, 11123), (211, 11168), (212, 11171), (234, 11267), (236, 11273),

Gene: DaWorst_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for DaWorst_12:
(Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: DaddyRickover_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for DaddyRickover_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Dadosky_16 Start: 10501, Stop: 11112, Start Num: 55
Candidate Starts for Dadosky_16:
(Start: 55 @10501 has 220 MA's), (81, 10546), (158, 10780), (164, 10795), (168, 10810), (198, 10879), (200, 10885), (211, 10924), (214, 10936), (220, 10951), (237, 11008), (240, 11023), (247, 11047), (257, 11077),

Gene: Daenerys_11 Start: 7537, Stop: 8418, Start Num: 16
Candidate Starts for Daenerys_11:

(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Dalilpop_40 Start: 23693, Stop: 24376, Start Num: 50
Candidate Starts for Dalilpop_40:
(Start: 50 @23693 has 270 MA's), (134, 23894), (171, 24026), (209, 24125), (221, 24164), (227, 24182), (243, 24251), (264, 24302), (278, 24341),

Gene: Dalmuri_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Dalmuri_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: DanBing_12 Start: 8829, Stop: 9728, Start Num: 50
Candidate Starts for DanBing_12:
(Start: 50 @8829 has 270 MA's), (88, 8892), (100, 8913), (129, 8982), (161, 9114), (168, 9135), (202, 9216), (227, 9297), (229, 9306), (255, 9396), (259, 9408), (277, 9447), (286, 9489), (289, 9510), (291, 9516), (310, 9642), (321, 9711),

Gene: DanSyl44_19 Start: 11730, Stop: 12341, Start Num: 57
Candidate Starts for DanSyl44_19:
(Start: 57 @11730 has 46 MA's), (96, 11796), (98, 11802), (114, 11850), (133, 11907), (135, 11913), (140, 11934), (143, 11946), (158, 12003), (164, 12018), (198, 12102), (200, 12108), (211, 12147), (214, 12159), (220, 12174), (237, 12231), (240, 12246), (247, 12270), (257, 12300),

Gene: Dante_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for Dante_11:
(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (189, 8079), (198, 8106), (232, 8241), (250, 8313), (251, 8316), (257, 8334), (278, 8385), (279, 8391),

Gene: Dardanus_19 Start: 10822, Stop: 11409, Start Num: 86
Candidate Starts for Dardanus_19:
(Start: 86 @10822 has 10 MA's), (110, 10873), (114, 10888), (121, 10906), (128, 10930), (160, 11062), (174, 11107), (213, 11218), (257, 11353), (264, 11359),

Gene: Daredevil_23 Start: 13726, Stop: 14382, Start Num: 50
Candidate Starts for Daredevil_23:
(28, 13669), (Start: 50 @13726 has 270 MA's), (64, 13747), (80, 13777), (157, 14002), (198, 14104), (233, 14224), (259, 14311), (260, 14314), (264, 14320),

Gene: Darionha_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Darionha_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: DartGoblin_18 Start: 10425, Stop: 11039, Start Num: 55
Candidate Starts for DartGoblin_18:

(Start: 55 @10425 has 220 MA's), (81, 10470), (143, 10647), (158, 10704), (164, 10719), (168, 10734), (178, 10764), (198, 10803), (200, 10809), (211, 10848), (226, 10887), (237, 10932), (240, 10947), (247, 10971),

Gene: DarthP_17 Start: 10531, Stop: 11145, Start Num: 57
Candidate Starts for DarthP_17:
(Start: 57 @10531 has 46 MA's), (Start: 74 @10555 has 41 MA's), (81, 10576), (135, 10720), (143, 10753), (158, 10810), (164, 10825), (198, 10909), (200, 10915), (211, 10954), (214, 10966), (226, 10993), (240, 11053), (247, 11077), (257, 11107),

Gene: Dartin_18 Start: 9573, Stop: 10184, Start Num: 57
Candidate Starts for Dartin_18:
(Start: 57 @9573 has 46 MA's), (81, 9615), (133, 9753), (143, 9792), (158, 9849), (164, 9864), (178, 9909), (198, 9948), (200, 9954), (201, 9957), (214, 10005), (220, 10020), (237, 10077),

Gene: Darwin_26 Start: 16706, Stop: 17368, Start Num: 50
Candidate Starts for Darwin_26:
(Start: 50 @16706 has 270 MA's), (62, 16724), (97, 16787), (99, 16793), (171, 17027), (209, 17123), (227, 17180), (231, 17195), (278, 17339),

Gene: DatBoi_25 Start: 16122, Stop: 16778, Start Num: 50
Candidate Starts for DatBoi_25:
(28, 16065), (Start: 50 @16122 has 270 MA's), (80, 16173), (183, 16467),

Gene: DeadP_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for DeadP_11:
(Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Deb65_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Deb65_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Deby_18 Start: 10475, Stop: 11089, Start Num: 55
Candidate Starts for Deby_18:
(Start: 55 @10475 has 220 MA's), (81, 10520), (131, 10643), (143, 10697), (158, 10754), (164, 10769), (198, 10853), (200, 10859), (211, 10898), (214, 10910), (226, 10937), (237, 10982), (240, 10997), (247, 11021), (270, 11078),

Gene: Delian_14 Start: 8682, Stop: 9320, Start Num: 74
Candidate Starts for Delian_14:
(Start: 73 @8679 has 55 MA's), (Start: 74 @8682 has 41 MA's), (111, 8772), (114, 8787), (156, 8940), (180, 9015), (191, 9039), (211, 9087), (231, 9144), (239, 9183), (269, 9267), (280, 9303),

Gene: Demsculpinboyz_14 Start: 7679, Stop: 8272, Start Num: 75
Candidate Starts for Demsculpinboyz_14:
(Start: 75 @7679 has 42 MA's), (81, 7697), (131, 7814), (139, 7853), (157, 7919), (168, 7952), (172, 7964), (180, 7988), (211, 8060), (213, 8069), (217, 8081), (224, 8093), (231, 8117), (234, 8135),

Gene: Devera_18 Start: 10492, Stop: 11106, Start Num: 55
Candidate Starts for Devera_18:
(Start: 55 @10492 has 220 MA's), (81, 10537), (131, 10660), (143, 10714), (158, 10771), (164, 10786), (178, 10831), (198, 10870), (200, 10876), (211, 10915), (214, 10927), (226, 10954), (237, 10999), (240, 11014), (247, 11038),

Gene: DillTech15_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for DillTech15_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Diminimus_24 Start: 12815, Stop: 13714, Start Num: 50
Candidate Starts for Diminimus_24:
(Start: 50 @12815 has 270 MA's), (98, 12896), (117, 12950), (119, 12956), (156, 13085), (168, 13124), (196, 13190), (212, 13244), (215, 13259), (227, 13292), (240, 13349), (243, 13361), (283, 13469), (291, 13511), (296, 13535), (303, 13583), (313, 13658), (320, 13691),

Gene: DingDing_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for DingDing_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: DinoDaryn_19 Start: 10919, Stop: 11509, Start Num: 86
Candidate Starts for DinoDaryn_19:
(Start: 86 @10919 has 10 MA's), (103, 10952), (114, 10985), (121, 11003), (174, 11204), (213, 11315), (214, 11318), (226, 11345), (243, 11417),

Gene: DirkDirk_13 Start: 8991, Stop: 9893, Start Num: 50
Candidate Starts for DirkDirk_13:
(Start: 50 @8991 has 270 MA's), (88, 9057), (91, 9063), (129, 9147), (168, 9300), (172, 9312), (202, 9381), (211, 9411), (213, 9420), (223, 9450), (229, 9471), (289, 9675), (295, 9714), (310, 9807), (312, 9831), (321, 9876),

Gene: DirtMcgirt_12 Start: 7464, Stop: 8273, Start Num: 29
Candidate Starts for DirtMcgirt_12:
(Start: 16 @7392 has 10 MA's), (Start: 20 @7407 has 2 MA's), (Start: 29 @7464 has 269 MA's), (31, 7476), (67, 7545), (72, 7554), (85, 7590), (99, 7614), (102, 7620), (122, 7683), (148, 7794), (149, 7797), (150, 7800), (151, 7803), (158, 7833), (166, 7854), (168, 7863), (189, 7917), (250, 8151), (257, 8172), (278, 8223), (279, 8229),

Gene: Dirtdigger_16 Start: 9229, Stop: 9897, Start Num: 50
Candidate Starts for Dirtdigger_16:
(Start: 50 @9229 has 270 MA's), (116, 9364), (141, 9451), (158, 9517), (203, 9637), (253, 9808), (259, 9823),

Gene: DismalFunk_14 Start: 8532, Stop: 9146, Start Num: 50
Candidate Starts for DismalFunk_14:
(Start: 50 @8532 has 270 MA's), (78, 8571), (81, 8580), (158, 8814), (164, 8829), (168, 8844), (178, 8874), (198, 8913), (200, 8919), (210, 8955), (214, 8970), (226, 8997), (237, 9042), (240, 9057), (247, 9081),

Gene: DismalStressor_14 Start: 8532, Stop: 9146, Start Num: 50
Candidate Starts for DismalStressor_14:
(Start: 50 @8532 has 270 MA's), (78, 8571), (81, 8580), (158, 8814), (164, 8829), (168, 8844), (178, 8874), (198, 8913), (200, 8919), (210, 8955), (214, 8970), (226, 8997), (237, 9042), (240, 9057), (247, 9081),

Gene: DoRead_11 Start: 7588, Stop: 8397, Start Num: 29
Candidate Starts for DoRead_11:
(Start: 29 @7588 has 269 MA's), (31, 7600), (67, 7669), (85, 7714), (99, 7738), (102, 7744), (122, 7807), (149, 7921), (150, 7924), (158, 7957), (166, 7978), (168, 7987), (189, 8041), (198, 8068), (200, 8074), (232, 8203), (250, 8275), (257, 8296), (278, 8347), (279, 8353),

Gene: DocMcStuffins_12 Start: 7464, Stop: 8273, Start Num: 29
Candidate Starts for DocMcStuffins_12:
(Start: 16 @7392 has 10 MA's), (Start: 20 @7407 has 2 MA's), (Start: 29 @7464 has 269 MA's), (31, 7476), (72, 7554), (85, 7590), (99, 7614), (102, 7620), (122, 7683), (149, 7797), (150, 7800), (151, 7803), (158, 7833), (166, 7854), (168, 7863), (189, 7917), (198, 7944), (232, 8079), (250, 8151), (257, 8172), (278, 8223), (279, 8229),

Gene: Dole_18 Start: 10494, Stop: 11108, Start Num: 55
Candidate Starts for Dole_18:
(Start: 55 @10494 has 220 MA's), (81, 10539), (131, 10662), (143, 10716), (158, 10773), (164, 10788), (178, 10833), (198, 10872), (200, 10878), (211, 10917), (214, 10929), (226, 10956), (237, 11001), (240, 11016), (247, 11040),

Gene: Donatella_15 Start: 9378, Stop: 10046, Start Num: 50
Candidate Starts for Donatella_15:
(Start: 50 @9378 has 270 MA's), (85, 9447), (141, 9600), (158, 9666), (203, 9786), (240, 9918), (259, 9972),

Gene: Donkeykong_11 Start: 7627, Stop: 8436, Start Num: 29
Candidate Starts for Donkeykong_11:
(Start: 20 @7570 has 2 MA's), (Start: 29 @7627 has 269 MA's), (31, 7639), (72, 7717), (85, 7753), (99, 7777), (102, 7783), (122, 7846), (149, 7960), (150, 7963), (151, 7966), (158, 7996), (166, 8017), (168, 8026), (187, 8074), (189, 8080), (198, 8107), (232, 8242), (250, 8314), (257, 8335), (272, 8368), (278, 8386), (279, 8392),

Gene: Doomphist_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Doomphist_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Doomslug_13 Start: 7464, Stop: 8273, Start Num: 29
Candidate Starts for Doomslug_13:
(Start: 20 @7407 has 2 MA's), (Start: 29 @7464 has 269 MA's), (31, 7476), (67, 7545), (72, 7554), (85, 7590), (99, 7614), (102, 7620), (122, 7683), (148, 7794), (149, 7797), (150, 7800), (151, 7803), (158, 7833), (166, 7854), (168, 7863), (189, 7917), (232, 8079), (250, 8151), (257, 8172), (278, 8223), (279, 8229),

Gene: Dorothy_11 Start: 7537, Stop: 8418, Start Num: 16

Candidate Starts for Dorothy_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: DosHalletts_12 Start: 7461, Stop: 8270, Start Num: 29
Candidate Starts for DosHalletts_12:
(Start: 14 @7386 has 3 MA's), (Start: 16 @7389 has 10 MA's), (Start: 20 @7404 has 2 MA's), (Start: 29 @7461 has 269 MA's), (31, 7473), (72, 7551), (85, 7587), (99, 7611), (102, 7617), (122, 7680), (149, 7794), (150, 7797), (151, 7800), (158, 7830), (166, 7851), (168, 7860), (187, 7908), (189, 7914), (198, 7941), (232, 8076), (250, 8148), (257, 8169), (278, 8220), (279, 8226),

Gene: DotProduct_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for DotProduct_11:
(Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (85, 7758), (99, 7782), (102, 7788), (122, 7851), (148, 7962), (149, 7965), (150, 7968), (151, 7971), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: DoubleChamp_16 Start: 10585, Stop: 11196, Start Num: 55
Candidate Starts for DoubleChamp_16:
(Start: 55 @10585 has 220 MA's), (81, 10630), (143, 10807), (158, 10864), (164, 10879), (168, 10894), (198, 10963), (200, 10969), (211, 11008), (220, 11035), (237, 11092), (240, 11107), (247, 11131), (257, 11161),

Gene: Doug_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for Doug_11:
(Start: 14 @7536 has 3 MA's), (Start: 16 @7539 has 10 MA's), (Start: 20 @7554 has 2 MA's), (Start: 29 @7611 has 269 MA's), (31, 7623), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (187, 8058), (189, 8064), (198, 8091), (232, 8226), (250, 8298), (257, 8319), (272, 8352), (278, 8370), (279, 8376),

Gene: Douge_13 Start: 8672, Stop: 9574, Start Num: 50
Candidate Starts for Douge_13:
(Start: 50 @8672 has 270 MA's), (88, 8738), (161, 8960), (168, 8981), (202, 9062), (213, 9101), (227, 9143), (229, 9152), (253, 9239), (259, 9254), (277, 9293), (283, 9320), (289, 9356), (295, 9395), (300, 9434), (301, 9437), (310, 9488), (317, 9539),

Gene: Doughnut_14 Start: 8522, Stop: 9145, Start Num: 47
Candidate Starts for Doughnut_14:
(27, 8456), (Start: 47 @8522 has 3 MA's), (78, 8570), (81, 8579), (133, 8717), (158, 8813), (164, 8828), (168, 8843), (178, 8873), (198, 8912), (200, 8918), (201, 8921), (211, 8957), (214, 8969), (220, 8984), (237, 9041), (240, 9056), (247, 9080),

Gene: Douzhi_13 Start: 8672, Stop: 9574, Start Num: 50
Candidate Starts for Douzhi_13:
(Start: 50 @8672 has 270 MA's), (88, 8738), (161, 8960), (168, 8981), (202, 9062), (213, 9101), (227, 9143), (229, 9152), (253, 9239), (259, 9254), (277, 9293), (283, 9320), (289, 9356), (291, 9362), (295, 9395), (300, 9434), (301, 9437), (310, 9488), (317, 9539),

Gene: DrHayes_18 Start: 10446, Stop: 11060, Start Num: 55
Candidate Starts for DrHayes_18:

(Start: 55 @10446 has 220 MA's), (72, 10464), (81, 10491), (143, 10668), (158, 10725), (164, 10740), (168, 10755), (178, 10785), (198, 10824), (200, 10830), (211, 10869), (214, 10881), (226, 10908), (237, 10953), (240, 10968), (247, 10992),

Gene: DrParker_11 Start: 7185, Stop: 7826, Start Num: 75
Candidate Starts for DrParker_11:
(Start: 69 @7173 has 12 MA's), (Start: 74 @7182 has 41 MA's), (Start: 75 @7185 has 42 MA's), (117, 7278), (141, 7365), (151, 7401), (205, 7542), (212, 7557), (231, 7611), (239, 7650), (243, 7665), (245, 7671), (260, 7713), (268, 7731),

Gene: DrSeegs_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for DrSeegs_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Drago_12 Start: 7390, Stop: 8271, Start Num: 16
Candidate Starts for Drago_12:
(Start: 16 @7390 has 10 MA's), (Start: 20 @7405 has 2 MA's), (Start: 29 @7462 has 269 MA's), (31, 7474), (67, 7543), (72, 7552), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (148, 7792), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (189, 7915), (250, 8149), (257, 8170), (278, 8221), (279, 8227),

Gene: Dulcita_24 Start: 12815, Stop: 13714, Start Num: 50
Candidate Starts for Dulcita_24:
(Start: 50 @12815 has 270 MA's), (98, 12896), (117, 12950), (119, 12956), (156, 13085), (168, 13124), (196, 13190), (212, 13244), (215, 13259), (227, 13292), (240, 13349), (243, 13361), (283, 13469), (291, 13511), (296, 13535), (303, 13583), (313, 13658), (320, 13691),

Gene: DuncansLeg_14 Start: 9127, Stop: 10029, Start Num: 50
Candidate Starts for DuncansLeg_14:
(Start: 50 @9127 has 270 MA's), (88, 9193), (161, 9415), (168, 9436), (186, 9475), (202, 9517), (227, 9598), (229, 9607), (253, 9694), (259, 9709), (277, 9748), (301, 9892), (310, 9943),

Gene: Durfee_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Durfee_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Dusty_41 Start: 17642, Stop: 18307, Start Num: 50
Candidate Starts for Dusty_41:
(Start: 50 @17642 has 270 MA's), (100, 17732), (213, 18089),

Gene: Dylan_46 Start: 23571, Stop: 24386, Start Num: 29
Candidate Starts for Dylan_46:
(Start: 29 @23571 has 269 MA's), (67, 23652), (122, 23793), (127, 23808), (149, 23907), (154, 23925), (173, 23988), (177, 24000), (184, 24015), (219, 24132), (249, 24258),

Gene: DyoEdafos_14 Start: 8883, Stop: 9785, Start Num: 50
Candidate Starts for DyoEdafos_14:
(Start: 50 @8883 has 270 MA's), (88, 8949), (161, 9171), (168, 9192), (202, 9273), (213, 9312), (227, 9354), (229, 9363), (259, 9465), (277, 9504), (300, 9645), (301, 9648), (310, 9699), (317, 9750),

Gene: ECartman_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for ECartman_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Ecliptus_13 Start: 7565, Stop: 8158, Start Num: 73
Candidate Starts for Ecliptus_13:
(Start: 73 @7565 has 55 MA's), (83, 7586), (100, 7610), (148, 7778), (151, 7784), (168, 7844), (180, 7880), (181, 7883), (200, 7919),

Gene: Edugator_15 Start: 10501, Stop: 11112, Start Num: 55
Candidate Starts for Edugator_15:
(Start: 55 @10501 has 220 MA's), (81, 10546), (158, 10780), (164, 10795), (168, 10810), (198, 10879), (200, 10885), (211, 10924), (220, 10951), (237, 11008), (240, 11023), (247, 11047), (257, 11077),

Gene: Efra2_18 Start: 9439, Stop: 10053, Start Num: 57
Candidate Starts for Efra2_18:
(Start: 57 @9439 has 46 MA's), (133, 9622), (143, 9661), (158, 9718), (168, 9748), (178, 9778), (198, 9817), (200, 9823), (211, 9862), (214, 9874), (237, 9946), (247, 9985), (257, 10015), (268, 10036),

Gene: Eish_11 Start: 7600, Stop: 8409, Start Num: 29
Candidate Starts for Eish_11:
(Start: 20 @7543 has 2 MA's), (Start: 29 @7600 has 269 MA's), (31, 7612), (85, 7726), (99, 7750), (102, 7756), (122, 7819), (148, 7930), (149, 7933), (150, 7936), (151, 7939), (158, 7969), (166, 7990), (168, 7999), (187, 8047), (189, 8053), (232, 8215), (250, 8287), (257, 8308), (278, 8359), (279, 8365),

Gene: Ekdilam_15 Start: 10249, Stop: 10860, Start Num: 57
Candidate Starts for Ekdilam_15:
(Start: 57 @10249 has 46 MA's), (81, 10291), (135, 10435), (143, 10468), (158, 10525), (164, 10540), (198, 10624), (200, 10630), (211, 10669), (214, 10681), (240, 10768), (247, 10792), (257, 10822),

Gene: EleanorGeorge_11 Start: 7633, Stop: 8442, Start Num: 29
Candidate Starts for EleanorGeorge_11:
(Start: 29 @7633 has 269 MA's), (31, 7645), (67, 7714), (72, 7723), (85, 7759), (99, 7783), (102, 7789), (122, 7852), (149, 7966), (150, 7969), (158, 8002), (166, 8023), (168, 8032), (189, 8086), (232, 8248), (250, 8320), (257, 8341), (278, 8392), (279, 8398),

Gene: Elesar_15 Start: 9307, Stop: 9969, Start Num: 50
Candidate Starts for Elesar_15:
(Start: 50 @9307 has 270 MA's), (85, 9376), (97, 9394), (99, 9400), (152, 9568), (154, 9577), (157, 9589), (168, 9625), (229, 9796), (247, 9868), (255, 9886),

Gene: Ellie_15 Start: 10291, Stop: 10902, Start Num: 57
Candidate Starts for Ellie_15:
(Start: 25 @10186 has 1 MA's), (36, 10249), (40, 10258), (Start: 57 @10291 has 46 MA's), (81, 10333), (131, 10456), (135, 10477), (143, 10510), (158, 10567), (164, 10582), (198, 10666), (200, 10672), (211, 10711), (214, 10723), (226, 10750), (240, 10810), (247, 10834),

Gene: Ellson_14 Start: 9135, Stop: 10037, Start Num: 50
Candidate Starts for Ellson_14:

(Start: 50 @9135 has 270 MA's), (88, 9201), (161, 9423), (168, 9444), (186, 9483), (202, 9525), (227, 9606), (229, 9615), (253, 9702), (259, 9717), (277, 9756), (301, 9900), (310, 9951),

Gene: Emerson_18 Start: 10504, Stop: 11115, Start Num: 55
Candidate Starts for Emerson_18:
(Start: 55 @10504 has 220 MA's), (81, 10546), (143, 10723), (158, 10780), (164, 10795), (198, 10879), (200, 10885), (211, 10924), (214, 10936), (226, 10963), (237, 11008), (240, 11023), (247, 11047), (270, 11104),

Gene: EmiMonkey_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for EmiMonkey_11:
(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (148, 7956), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (189, 8079), (232, 8241), (250, 8313), (257, 8334), (278, 8385), (279, 8391),

Gene: Emianna_35 Start: 22419, Stop: 23102, Start Num: 50
Candidate Starts for Emianna_35:
(Start: 50 @22419 has 270 MA's), (62, 22437), (107, 22530), (133, 22617), (134, 22620), (171, 22752), (209, 22851), (227, 22908), (243, 22977), (255, 23007), (264, 23028), (278, 23067),

Gene: Emma_11 Start: 7630, Stop: 8439, Start Num: 29
Candidate Starts for Emma_11:
(19, 7570), (Start: 29 @7630 has 269 MA's), (31, 7642), (67, 7711), (72, 7720), (85, 7756), (99, 7780), (102, 7786), (122, 7849), (148, 7960), (149, 7963), (150, 7966), (151, 7969), (158, 7999), (166, 8020), (168, 8029), (189, 8083), (232, 8245), (250, 8317), (257, 8338), (278, 8389), (279, 8395),

Gene: Emmaloid_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Emmaloid_12:
(Start: 29 @7463 has 269 MA's), (31, 7475), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (148, 7793), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: Empress_11 Start: 7533, Stop: 8417, Start Num: 14
Candidate Starts for Empress_11:
(Start: 14 @7533 has 3 MA's), (Start: 16 @7536 has 10 MA's), (Start: 20 @7551 has 2 MA's), (Start: 29 @7608 has 269 MA's), (31, 7620), (72, 7698), (85, 7734), (99, 7758), (102, 7764), (122, 7827), (148, 7938), (149, 7941), (150, 7944), (151, 7947), (158, 7977), (166, 7998), (168, 8007), (189, 8061), (250, 8295), (257, 8316), (278, 8367), (279, 8373),

Gene: Enby_12 Start: 7462, Stop: 8271, Start Num: 29
Candidate Starts for Enby_12:
(Start: 16 @7390 has 10 MA's), (Start: 20 @7405 has 2 MA's), (Start: 29 @7462 has 269 MA's), (31, 7474), (67, 7543), (72, 7552), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (148, 7792), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (189, 7915), (250, 8149), (257, 8170), (278, 8221), (279, 8227),

Gene: Enceladus_13 Start: 8991, Stop: 9893, Start Num: 50
Candidate Starts for Enceladus_13:
(Start: 50 @8991 has 270 MA's), (88, 9057), (91, 9063), (129, 9147), (168, 9300), (172, 9312), (202, 9381), (213, 9420), (223, 9450), (229, 9471), (289, 9675), (295, 9714), (310, 9807), (312, 9831), (321, 9876),

Gene: Engineer_43 Start: 17859, Stop: 18524, Start Num: 50

Candidate Starts for Engineer_43:
(Start: 50 @17859 has 270 MA's), (100, 17949), (213, 18306), (259, 18459),

Gene: EniyanLRS_32 Start: 15588, Stop: 16499, Start Num: 50
Candidate Starts for EniyanLRS_32:
(Start: 50 @15588 has 270 MA's), (76, 15627), (88, 15654), (89, 15657), (98, 15669), (103, 15684), (168, 15897), (185, 15939), (196, 15963), (198, 15969), (234, 16098), (243, 16134), (281, 16233), (285, 16254), (296, 16308), (297, 16311), (310, 16398), (315, 16434), (318, 16461),

Gene: Enkosi_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for Enkosi_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: Ennea_41 Start: 23023, Stop: 23706, Start Num: 50
Candidate Starts for Ennea_41:
(Start: 50 @23023 has 270 MA's), (134, 23224), (171, 23356), (183, 23383), (209, 23455), (227, 23512), (243, 23581), (264, 23632), (278, 23671),

Gene: Enochoraptor_11 Start: 7174, Stop: 7800, Start Num: 75
Candidate Starts for Enochoraptor_11:
(Start: 69 @7162 has 12 MA's), (Start: 74 @7171 has 41 MA's), (Start: 75 @7174 has 42 MA's), (117, 7267), (141, 7354), (205, 7531), (212, 7546), (239, 7639), (243, 7654), (245, 7660), (260, 7702), (268, 7720),

Gene: Enoki_11 Start: 7161, Stop: 7781, Start Num: 75
Candidate Starts for Enoki_11:
(Start: 69 @7149 has 12 MA's), (Start: 74 @7158 has 41 MA's), (Start: 75 @7161 has 42 MA's), (117, 7254), (141, 7341), (151, 7377), (161, 7413), (205, 7518), (210, 7527), (211, 7530), (212, 7533), (239, 7626), (243, 7641), (245, 7647), (260, 7689), (268, 7707),

Gene: Enzomatic_12 Start: 7606, Stop: 8415, Start Num: 29
Candidate Starts for Enzomatic_12:
(Start: 29 @7606 has 269 MA's), (31, 7618), (67, 7687), (72, 7696), (85, 7732), (99, 7756), (102, 7762), (122, 7825), (148, 7936), (149, 7939), (150, 7942), (151, 7945), (158, 7975), (166, 7996), (168, 8005), (189, 8059), (250, 8293), (257, 8314), (278, 8365), (279, 8371),

Gene: Eponine_19 Start: 11592, Stop: 12203, Start Num: 57
Candidate Starts for Eponine_19:
(Start: 57 @11592 has 46 MA's), (96, 11658), (98, 11664), (114, 11712), (133, 11769), (135, 11775), (140, 11796), (143, 11808), (158, 11865), (164, 11880), (168, 11895), (198, 11964), (200, 11970), (220, 12036), (237, 12093), (240, 12108), (247, 12132), (257, 12162),

Gene: Eradicator_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for Eradicator_11:
(Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (189, 8063), (198, 8090), (232, 8225), (257, 8318), (278, 8369), (279, 8375),

Gene: Estave1_11 Start: 7612, Stop: 8421, Start Num: 29
Candidate Starts for Estave1_11:

(Start: 20 @7555 has 2 MA's), (Start: 29 @7612 has 269 MA's), (31, 7624), (72, 7702), (85, 7738), (99, 7762), (102, 7768), (122, 7831), (149, 7945), (150, 7948), (151, 7951), (158, 7981), (166, 8002), (168, 8011), (187, 8059), (189, 8065), (198, 8092), (232, 8227), (250, 8299), (257, 8320), (278, 8371), (279, 8377),

Gene: Estes_28 Start: 13531, Stop: 14430, Start Num: 50
Candidate Starts for Estes_28:
(Start: 50 @13531 has 270 MA's), (98, 13612), (116, 13663), (196, 13906), (212, 13960), (215, 13975), (227, 14008), (243, 14077), (281, 14176), (291, 14227), (296, 14251), (300, 14287), (303, 14299), (307, 14320), (310, 14344), (313, 14374), (320, 14407),

Gene: EvenBluerMoon_13 Start: 9146, Stop: 9808, Start Num: 50
Candidate Starts for EvenBluerMoon_13:
(Start: 50 @9146 has 270 MA's), (83, 9212), (118, 9284), (130, 9317), (161, 9443), (169, 9467), (278, 9779),

Gene: Ezurina_13 Start: 7722, Stop: 8300, Start Num: 73
Candidate Starts for Ezurina_13:
(Start: 73 @7722 has 55 MA's), (207, 8103), (227, 8157), (269, 8289),

Gene: FF47_15 Start: 9310, Stop: 9951, Start Num: 63
Candidate Starts for FF47_15:
(Start: 63 @9310 has 4 MA's), (78, 9343), (81, 9352), (115, 9436), (131, 9475), (133, 9490), (163, 9595), (168, 9616), (171, 9625), (178, 9646), (198, 9685), (204, 9709), (233, 9796), (237, 9814), (239, 9826), (242, 9835),

Gene: Fairfaxidum_14 Start: 8713, Stop: 9366, Start Num: 74
Candidate Starts for Fairfaxidum_14:
(Start: 58 @8683 has 3 MA's), (Start: 73 @8710 has 55 MA's), (Start: 74 @8713 has 41 MA's), (111, 8803), (114, 8818), (155, 8968), (180, 9046), (191, 9070), (205, 9100), (211, 9118), (239, 9214), (269, 9298),

Gene: Faith1_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Faith1_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Faiyaz_19 Start: 12547, Stop: 13128, Start Num: 73
Candidate Starts for Faiyaz_19:
(Start: 39 @12487 has 2 MA's), (54, 12517), (Start: 73 @12547 has 55 MA's), (93, 12592), (150, 12763), (165, 12814), (168, 12826), (178, 12856), (211, 12940), (223, 12970), (237, 13024), (269, 13117),

Gene: Familton_48 Start: 23862, Stop: 24677, Start Num: 29
Candidate Starts for Familton_48:
(Start: 29 @23862 has 269 MA's), (67, 23943), (122, 24084), (127, 24099), (149, 24198), (154, 24216), (173, 24279), (177, 24291), (184, 24306), (219, 24423), (249, 24549),

Gene: Fancypants_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for Fancypants_11:
(Start: 29 @7611 has 269 MA's), (31, 7623), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (189, 8064), (232, 8226), (250,

8298), (257, 8319), (272, 8352), (278, 8370), (279, 8376),

Gene: Farewell_11 Start: 8044, Stop: 8706, Start Num: 58
Candidate Starts for Farewell_11:
(Start: 58 @8044 has 3 MA's), (Start: 73 @8065 has 55 MA's), (126, 8194), (138, 8242), (148, 8284), (156, 8311), (160, 8326), (194, 8410), (210, 8458), (231, 8527), (278, 8677),

Gene: FarmResident_13 Start: 8717, Stop: 9619, Start Num: 50
Candidate Starts for FarmResident_13:
(Start: 50 @8717 has 270 MA's), (88, 8783), (161, 9005), (168, 9026), (202, 9107), (212, 9140), (213, 9146), (227, 9188), (229, 9197), (253, 9284), (259, 9299), (277, 9338), (283, 9365), (289, 9401), (291, 9407), (295, 9440), (300, 9479), (301, 9482), (310, 9533), (317, 9584),

Gene: Fastidio_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for Fastidio_11:
(Start: 16 @7539 has 10 MA's), (Start: 20 @7554 has 2 MA's), (Start: 29 @7611 has 269 MA's), (31, 7623), (72, 7701), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (187, 8058), (189, 8064), (198, 8091), (232, 8226), (250, 8298), (257, 8319), (278, 8370), (279, 8376),

Gene: Fefferhead_17 Start: 10458, Stop: 11069, Start Num: 57
Candidate Starts for Fefferhead_17:
(Start: 25 @10353 has 1 MA's), (36, 10416), (40, 10425), (Start: 57 @10458 has 46 MA's), (81, 10500), (131, 10623), (135, 10644), (143, 10677), (158, 10734), (164, 10749), (198, 10833), (200, 10839), (211, 10878), (214, 10890), (226, 10917), (240, 10977), (247, 11001),

Gene: FeliMaine_47 Start: 19044, Stop: 19709, Start Num: 50
Candidate Starts for FeliMaine_47:
(Start: 50 @19044 has 270 MA's), (88, 19110), (129, 19203), (133, 19230), (155, 19314), (179, 19386), (229, 19533), (231, 19539), (237, 19566), (239, 19578),

Gene: Fenry_13 Start: 8428, Stop: 9066, Start Num: 74
Candidate Starts for Fenry_13:
(Start: 73 @8425 has 55 MA's), (Start: 74 @8428 has 41 MA's), (111, 8518), (114, 8533), (156, 8686), (180, 8761), (191, 8785), (211, 8833), (231, 8890), (239, 8929), (269, 9013), (280, 9049),

Gene: Feyre_16 Start: 10448, Stop: 11059, Start Num: 55
Candidate Starts for Feyre_16:
(Start: 55 @10448 has 220 MA's), (81, 10493), (102, 10535), (143, 10670), (158, 10727), (164, 10742), (168, 10757), (198, 10826), (200, 10832), (211, 10871), (214, 10883), (220, 10898), (233, 10937), (237, 10955), (240, 10970), (247, 10994), (257, 11024),

Gene: Filuzino_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for Filuzino_11:
(Start: 17 @7560 has 1 MA's), (Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (85, 7758), (99, 7782), (102, 7788), (122, 7851), (145, 7950), (149, 7965), (150, 7968), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (232, 8247), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: Findley_14 Start: 8532, Stop: 9146, Start Num: 50
Candidate Starts for Findley_14:
(Start: 50 @8532 has 270 MA's), (78, 8571), (81, 8580), (158, 8814), (164, 8829), (168, 8844), (178, 8874), (198, 8913), (200, 8919), (210, 8955), (214, 8970), (226, 8997), (237, 9042), (240, 9057), (247, 9081),

Gene: Finemlucis_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Finemlucis_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (291, 9689), (310, 9815), (321, 9884),

Gene: Finnry_14 Start: 9120, Stop: 10022, Start Num: 50
Candidate Starts for Finnry_14:
(Start: 50 @9120 has 270 MA's), (88, 9186), (161, 9408), (168, 9429), (202, 9510), (227, 9591), (229, 9600), (253, 9687), (259, 9702), (277, 9741), (293, 9834), (301, 9885), (310, 9936),

Gene: Fionnbharth_19 Start: 11717, Stop: 12328, Start Num: 57
Candidate Starts for Fionnbharth_19:
(Start: 57 @11717 has 46 MA's), (96, 11783), (98, 11789), (114, 11837), (133, 11894), (135, 11900), (140, 11921), (143, 11933), (158, 11990), (164, 12005), (198, 12089), (200, 12095), (211, 12134), (214, 12146), (220, 12161), (237, 12218), (240, 12233), (247, 12257), (257, 12287),

Gene: Firecracker_47 Start: 23469, Stop: 24284, Start Num: 29
Candidate Starts for Firecracker_47:
(Start: 29 @23469 has 269 MA's), (67, 23550), (122, 23691), (127, 23706), (149, 23805), (154, 23823), (173, 23886), (177, 23898), (184, 23913), (219, 24030), (249, 24156),

Gene: Firehouse51_11 Start: 7629, Stop: 8438, Start Num: 29
Candidate Starts for Firehouse51_11:
(4, 7431), (6, 7452), (7, 7455), (24, 7590), (Start: 29 @7629 has 269 MA's), (31, 7641), (67, 7710), (72, 7719), (85, 7755), (99, 7779), (102, 7785), (122, 7848), (148, 7959), (149, 7962), (150, 7965), (158, 7998), (166, 8019), (168, 8028), (189, 8082), (232, 8244), (250, 8316), (257, 8337), (278, 8388), (279, 8394),

Gene: FlagStaff_13 Start: 9947, Stop: 10567, Start Num: 55
Candidate Starts for FlagStaff_13:
(Start: 55 @9947 has 220 MA's), (95, 10022), (114, 10079), (131, 10121), (133, 10136), (158, 10232), (164, 10247), (171, 10271), (198, 10331), (204, 10355), (220, 10403), (231, 10433), (240, 10475), (247, 10499), (257, 10529),

Gene: Flapper_39 Start: 22775, Stop: 23458, Start Num: 50
Candidate Starts for Flapper_39:
(Start: 50 @22775 has 270 MA's), (134, 22976), (146, 23024), (171, 23108), (209, 23207), (221, 23246), (227, 23264), (243, 23333), (264, 23384), (278, 23423),

Gene: Flathead_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Flathead_12:
(Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (67, 7544), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (148, 7793), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: Float294_37 Start: 22462, Stop: 23145, Start Num: 50
Candidate Starts for Float294_37:
(Start: 50 @22462 has 270 MA's), (134, 22663), (171, 22795), (183, 22822), (209, 22894), (227, 22951), (243, 23020), (264, 23071), (278, 23110),

Gene: Florinda_11 Start: 7631, Stop: 8440, Start Num: 29

Candidate Starts for Florinda_11:
(Start: 20 @7574 has 2 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (272, 8372), (278, 8390), (279, 8396),

Gene: ForeverHowLong_13 Start: 9849, Stop: 10463, Start Num: 55
Candidate Starts for ForeverHowLong_13:
(Start: 55 @9849 has 220 MA's), (81, 9894), (95, 9918), (131, 10017), (133, 10032), (158, 10128), (164, 10143), (168, 10158), (171, 10167), (178, 10188), (198, 10227), (204, 10251), (207, 10260), (211, 10272), (231, 10329), (237, 10356), (240, 10371), (247, 10395),

Gene: FoulBall_47 Start: 23856, Stop: 24671, Start Num: 29
Candidate Starts for FoulBall_47:
(Start: 29 @23856 has 269 MA's), (67, 23937), (122, 24078), (127, 24093), (149, 24192), (154, 24210), (173, 24273), (177, 24285), (184, 24300), (219, 24417), (249, 24543),

Gene: Foxboro_36 Start: 22925, Stop: 23608, Start Num: 50
Candidate Starts for Foxboro_36:
(Start: 50 @22925 has 270 MA's), (62, 22943), (107, 23036), (133, 23123), (134, 23126), (171, 23258), (209, 23357), (227, 23414), (243, 23483), (255, 23513), (264, 23534), (278, 23573),

Gene: Frankie_12 Start: 7653, Stop: 8462, Start Num: 29
Candidate Starts for Frankie_12:
(Start: 20 @7596 has 2 MA's), (Start: 29 @7653 has 269 MA's), (31, 7665), (72, 7743), (85, 7779), (99, 7803), (102, 7809), (122, 7872), (149, 7986), (150, 7989), (151, 7992), (158, 8022), (166, 8043), (168, 8052), (187, 8100), (189, 8106), (198, 8133), (232, 8268), (250, 8340), (257, 8361), (278, 8412), (279, 8418),

Gene: FreakyGoo_24 Start: 12816, Stop: 13715, Start Num: 50
Candidate Starts for FreakyGoo_24:
(Start: 50 @12816 has 270 MA's), (98, 12897), (117, 12951), (119, 12957), (156, 13086), (168, 13125), (196, 13191), (212, 13245), (215, 13260), (227, 13293), (240, 13350), (243, 13362), (283, 13470), (291, 13512), (296, 13536), (303, 13584), (313, 13659), (320, 13692),

Gene: FreddyB_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for FreddyB_11:
(Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (189, 8063), (198, 8090), (232, 8225), (250, 8297), (257, 8318), (272, 8351), (278, 8369), (279, 8375),

Gene: Frickyeah_13 Start: 7514, Stop: 8086, Start Num: 73
Candidate Starts for Frickyeah_13:
(Start: 73 @7514 has 55 MA's), (81, 7535), (92, 7556), (102, 7568), (150, 7727), (163, 7769), (172, 7802), (241, 7991), (273, 8075),

Gene: Frokostdame_14 Start: 8673, Stop: 9311, Start Num: 74
Candidate Starts for Frokostdame_14:
(1, 8058), (3, 8316), (Start: 73 @8670 has 55 MA's), (Start: 74 @8673 has 41 MA's), (114, 8778), (156, 8931), (180, 9006), (191, 9030), (211, 9078), (239, 9174), (269, 9258), (280, 9294),

Gene: Frosty24_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Frosty24_13:

(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Fruitloop_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for Fruitloop_11:
(Start: 17 @7560 has 1 MA's), (Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (85, 7758), (99, 7782), (102, 7788), (122, 7851), (148, 7962), (149, 7965), (150, 7968), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (232, 8247), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: Fryberger_45 Start: 16970, Stop: 17527, Start Num: 75
Candidate Starts for Fryberger_45:
(Start: 75 @16970 has 42 MA's), (81, 16988), (112, 17051), (178, 17276), (195, 17294), (200, 17303), (211, 17342), (214, 17354), (239, 17441),

Gene: Fury_44 Start: 22072, Stop: 22755, Start Num: 50
Candidate Starts for Fury_44:
(Start: 50 @22072 has 270 MA's), (134, 22273), (155, 22354), (169, 22399), (171, 22405), (174, 22417), (209, 22504), (227, 22561), (243, 22630), (264, 22681), (275, 22711), (278, 22720),

Gene: GMA4_13 Start: 8955, Stop: 9626, Start Num: 50
Candidate Starts for GMA4_13:
(37, 8925), (44, 8940), (Start: 50 @8955 has 270 MA's), (78, 9000), (105, 9060), (196, 9342), (243, 9513), (245, 9519),

Gene: GRU1_25 Start: 14660, Stop: 15343, Start Num: 50
Candidate Starts for GRU1_25:
(Start: 50 @14660 has 270 MA's), (134, 14861), (171, 14993), (209, 15092), (221, 15131), (227, 15149), (243, 15218), (264, 15269), (278, 15308),

Gene: GTE5_26 Start: 15663, Stop: 16346, Start Num: 50
Candidate Starts for GTE5_26:
(Start: 50 @15663 has 270 MA's), (134, 15864), (171, 15996), (209, 16095), (221, 16134), (227, 16152), (243, 16221), (264, 16272), (278, 16311),

Gene: GTE8_24 Start: 15678, Stop: 16361, Start Num: 50
Candidate Starts for GTE8_24:
(Start: 50 @15678 has 270 MA's), (62, 15696), (171, 16011), (183, 16038), (209, 16110), (227, 16167), (243, 16236), (255, 16266), (259, 16278), (264, 16287), (278, 16326),

Gene: GUmbie_11 Start: 7625, Stop: 8434, Start Num: 29
Candidate Starts for GUmbie_11:
(9, 7517), (19, 7568), (Start: 29 @7625 has 269 MA's), (31, 7637), (67, 7706), (85, 7751), (99, 7775), (102, 7781), (122, 7844), (149, 7958), (150, 7961), (151, 7964), (158, 7994), (166, 8015), (168, 8024), (189, 8078), (232, 8240), (250, 8312), (257, 8333), (278, 8384), (279, 8390),

Gene: Gabriela_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Gabriela_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Gagieri_39 Start: 23053, Stop: 23721, Start Num: 50

Candidate Starts for Gagieri_39:
(Start: 50 @23053 has 270 MA's), (97, 23134), (100, 23143), (141, 23275), (171, 23377), (174, 23389), (209, 23476), (227, 23533), (243, 23602), (245, 23608), (249, 23620), (278, 23692),

Gene: Gaia_10 Start: 8073, Stop: 8660, Start Num: 73
Candidate Starts for Gaia_10:
(Start: 73 @8073 has 55 MA's), (112, 8154), (127, 8193), (137, 8235), (151, 8289), (161, 8325), (200, 8424), (208, 8454), (234, 8544), (245, 8586), (256, 8619),

Gene: Galactic_11 Start: 7606, Stop: 8415, Start Num: 29
Candidate Starts for Galactic_11:
(Start: 29 @7606 has 269 MA's), (31, 7618), (67, 7687), (72, 7696), (85, 7732), (99, 7756), (102, 7762), (122, 7825), (148, 7936), (149, 7939), (150, 7942), (151, 7945), (158, 7975), (166, 7996), (168, 8005), (189, 8059), (250, 8293), (257, 8314), (278, 8365), (279, 8371),

Gene: Gallia_31 Start: 19628, Stop: 20296, Start Num: 50
Candidate Starts for Gallia_31:
(Start: 50 @19628 has 270 MA's), (106, 19736), (133, 19814), (150, 19880), (160, 19916), (197, 20003), (227, 20102), (243, 20171), (278, 20261),

Gene: Gambino_16 Start: 9023, Stop: 9661, Start Num: 74
Candidate Starts for Gambino_16:
(Start: 73 @9020 has 55 MA's), (Start: 74 @9023 has 41 MA's), (111, 9113), (114, 9128), (133, 9194), (142, 9230), (156, 9281), (180, 9356), (191, 9380), (211, 9428), (231, 9485), (239, 9524), (269, 9608), (280, 9644),

Gene: Gandalph_11 Start: 7627, Stop: 8436, Start Num: 29
Candidate Starts for Gandalph_11:
(Start: 29 @7627 has 269 MA's), (31, 7639), (72, 7717), (99, 7777), (102, 7783), (122, 7846), (148, 7957), (149, 7960), (150, 7963), (151, 7966), (158, 7996), (166, 8017), (168, 8026), (189, 8080), (232, 8242), (250, 8314), (257, 8335), (278, 8386), (279, 8392),

Gene: Ganymede_19 Start: 10521, Stop: 11135, Start Num: 55
Candidate Starts for Ganymede_19:
(Start: 55 @10521 has 220 MA's), (81, 10566), (131, 10689), (143, 10743), (158, 10800), (164, 10815), (198, 10899), (200, 10905), (211, 10944), (214, 10956), (226, 10983), (237, 11028), (240, 11043), (247, 11067),

Gene: Gardann_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Gardann_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (291, 9689), (310, 9815), (321, 9884),

Gene: GardenSalsa_27 Start: 13367, Stop: 14266, Start Num: 50
Candidate Starts for GardenSalsa_27:
(Start: 50 @13367 has 270 MA's), (98, 13448), (116, 13499), (188, 13724), (196, 13742), (212, 13796), (215, 13811), (227, 13844), (243, 13913), (259, 13955), (296, 14087), (300, 14123), (303, 14135), (308, 14162), (310, 14180), (313, 14210), (320, 14243),

Gene: Gattaca_44 Start: 18223, Stop: 18888, Start Num: 50
Candidate Starts for Gattaca_44:

(Start: 50 @18223 has 270 MA's), (88, 18289), (129, 18382), (133, 18409), (155, 18493), (179, 18565), (229, 18712), (231, 18718), (237, 18745), (239, 18757),

Gene: Geeche_41 Start: 17733, Stop: 18398, Start Num: 50
Candidate Starts for Geeche_41:
(Start: 50 @17733 has 270 MA's), (100, 17823), (213, 18180), (259, 18333),

Gene: GenevaB15_27 Start: 13394, Stop: 14293, Start Num: 50
Candidate Starts for GenevaB15_27:
(Start: 50 @13394 has 270 MA's), (98, 13475), (116, 13526), (168, 13703), (196, 13769), (212, 13823), (215, 13838), (227, 13871), (243, 13940), (291, 14090), (296, 14114), (300, 14150), (303, 14162), (308, 14189), (310, 14207), (313, 14237), (320, 14270),

Gene: Gengar_16 Start: 10555, Stop: 11166, Start Num: 55
Candidate Starts for Gengar_16:
(Start: 55 @10555 has 220 MA's), (81, 10600), (143, 10777), (158, 10834), (164, 10849), (168, 10864), (198, 10933), (200, 10939), (211, 10978), (214, 10990), (220, 11005), (233, 11044), (237, 11062), (240, 11077), (247, 11101), (257, 11131),

Gene: Geraldini_18 Start: 10524, Stop: 11135, Start Num: 55
Candidate Starts for Geraldini_18:
(Start: 55 @10524 has 220 MA's), (81, 10566), (131, 10689), (143, 10743), (158, 10800), (164, 10815), (198, 10899), (200, 10905), (211, 10944), (214, 10956), (226, 10983), (237, 11028), (240, 11043), (247, 11067),

Gene: Geralt_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Geralt_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Gerri43_14 Start: 8154, Stop: 8732, Start Num: 73
Candidate Starts for Gerri43_14:
(Start: 73 @8154 has 55 MA's), (168, 8433), (207, 8535), (227, 8589), (269, 8721),

Gene: Getalong_13 Start: 7496, Stop: 8068, Start Num: 73
Candidate Starts for Getalong_13:
(Start: 73 @7496 has 55 MA's), (81, 7517), (92, 7538), (102, 7550), (150, 7709), (163, 7751), (172, 7784), (241, 7973), (273, 8057),

Gene: Gibbzilla_14 Start: 8211, Stop: 8789, Start Num: 73
Candidate Starts for Gibbzilla_14:
(Start: 73 @8211 has 55 MA's), (82, 8235), (133, 8361), (211, 8601), (232, 8661),

Gene: Gideon_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Gideon_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: GigiOuiOui_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for GigiOuiOui_11:

(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (189, 8079), (232, 8241), (257, 8334), (278, 8385), (279, 8391),

Gene: Girafales_12 Start: 7458, Stop: 8267, Start Num: 29
Candidate Starts for Girafales_12:
(Start: 29 @7458 has 269 MA's), (31, 7470), (72, 7548), (85, 7584), (99, 7608), (102, 7614), (122, 7677), (149, 7791), (150, 7794), (151, 7797), (158, 7827), (166, 7848), (168, 7857), (189, 7911), (197, 7935), (232, 8073), (250, 8145), (257, 8166), (278, 8217), (279, 8223),

Gene: Girr_11 Start: 7614, Stop: 8423, Start Num: 29
Candidate Starts for Girr_11:
(Start: 20 @7557 has 2 MA's), (Start: 29 @7614 has 269 MA's), (31, 7626), (72, 7704), (85, 7740), (99, 7764), (102, 7770), (122, 7833), (149, 7947), (150, 7950), (151, 7953), (158, 7983), (166, 8004), (168, 8013), (189, 8067), (197, 8091), (198, 8094), (232, 8229), (250, 8301), (257, 8322), (272, 8355), (278, 8373), (279, 8379),

Gene: Glaske16_24 Start: 12815, Stop: 13714, Start Num: 50
Candidate Starts for Glaske16_24:
(Start: 50 @12815 has 270 MA's), (98, 12896), (117, 12950), (119, 12956), (156, 13085), (168, 13124), (196, 13190), (212, 13244), (215, 13259), (227, 13292), (240, 13349), (243, 13361), (283, 13469), (291, 13511), (296, 13535), (303, 13583), (313, 13658), (320, 13691),

Gene: GodSpeed_13 Start: 9929, Stop: 10549, Start Num: 55
Candidate Starts for GodSpeed_13:
(2, 9530), (8, 9719), (21, 9803), (Start: 55 @9929 has 220 MA's), (95, 10004), (114, 10061), (131, 10103), (133, 10118), (158, 10214), (164, 10229), (171, 10253), (198, 10313), (204, 10337), (220, 10385), (226, 10397), (231, 10415), (240, 10457), (257, 10511),

Gene: Goib_18 Start: 10694, Stop: 11284, Start Num: 86
Candidate Starts for Goib_18:
(Start: 86 @10694 has 10 MA's), (103, 10727), (114, 10760), (121, 10778), (139, 10856), (213, 11090), (214, 11093), (226, 11120), (243, 11192),

Gene: GoldenAsh_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for GoldenAsh_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Gomashi_13 Start: 9855, Stop: 10469, Start Num: 55
Candidate Starts for Gomashi_13:
(Start: 55 @9855 has 220 MA's), (81, 9900), (95, 9924), (123, 10002), (131, 10023), (133, 10038), (158, 10134), (164, 10149), (171, 10173), (178, 10194), (198, 10233), (204, 10257), (207, 10266), (211, 10278), (231, 10335), (237, 10362), (240, 10377), (247, 10401),

Gene: GoodLuckBabe_16 Start: 9206, Stop: 9874, Start Num: 50
Candidate Starts for GoodLuckBabe_16:
(Start: 50 @9206 has 270 MA's), (141, 9428), (158, 9494), (183, 9560), (203, 9614), (259, 9800),

Gene: GoongGoong_44 Start: 18263, Stop: 18928, Start Num: 50
Candidate Starts for GoongGoong_44:

(Start: 50 @18263 has 270 MA's), (88, 18329), (129, 18422), (133, 18449), (155, 18533), (179, 18605), (229, 18752), (231, 18758), (237, 18785), (239, 18797),

Gene: Gorge_11 Start: 7598, Stop: 8407, Start Num: 29
Candidate Starts for Gorge_11:
(Start: 29 @7598 has 269 MA's), (31, 7610), (72, 7688), (85, 7724), (99, 7748), (102, 7754), (122, 7817), (149, 7931), (150, 7934), (151, 7937), (158, 7967), (166, 7988), (168, 7997), (189, 8051), (232, 8213), (257, 8306), (278, 8357), (279, 8363),

Gene: Grimmer_12 Start: 8262, Stop: 9071, Start Num: 29
Candidate Starts for Grimmer_12:
(19, 8205), (Start: 29 @8262 has 269 MA's), (31, 8274), (85, 8388), (99, 8412), (102, 8418), (122, 8481), (149, 8595), (150, 8598), (151, 8601), (158, 8631), (166, 8652), (168, 8661), (187, 8709), (189, 8715), (197, 8739), (232, 8877), (250, 8949), (257, 8970), (278, 9021), (279, 9027),

Gene: Grizzly_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Grizzly_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (168, 10163), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: GrootJr_37 Start: 21777, Stop: 22460, Start Num: 50
Candidate Starts for GrootJr_37:
(Start: 50 @21777 has 270 MA's), (62, 21795), (107, 21888), (133, 21975), (134, 21978), (171, 22110), (209, 22209), (227, 22266), (243, 22335), (255, 22365), (264, 22386), (278, 22425),

Gene: Gsput1_15 Start: 9141, Stop: 9716, Start Num: 86
Candidate Starts for Gsput1_15:
(70, 9105), (Start: 86 @9141 has 10 MA's), (103, 9174), (108, 9186), (110, 9192), (114, 9207), (121, 9225), (160, 9381), (161, 9384), (192, 9468), (206, 9504), (213, 9525), (217, 9537),

Gene: Guacamole_14 Start: 8683, Stop: 9321, Start Num: 74
Candidate Starts for Guacamole_14:
(Start: 73 @8680 has 55 MA's), (Start: 74 @8683 has 41 MA's), (111, 8773), (114, 8788), (156, 8941), (180, 9016), (191, 9040), (211, 9088), (231, 9145), (239, 9184), (269, 9268), (280, 9304),

Gene: Guanica15_18 Start: 9455, Stop: 10069, Start Num: 57
Candidate Starts for Guanica15_18:
(Start: 57 @9455 has 46 MA's), (133, 9638), (143, 9677), (158, 9734), (168, 9764), (178, 9794), (198, 9833), (200, 9839), (211, 9878), (214, 9890), (237, 9962), (247, 10001), (257, 10031), (268, 10052),

Gene: Guey18_50 Start: 18163, Stop: 18720, Start Num: 75
Candidate Starts for Guey18_50:
(Start: 75 @18163 has 42 MA's), (81, 18181), (112, 18244), (178, 18469), (195, 18487), (200, 18496), (211, 18535), (214, 18547), (239, 18634),

Gene: Guillsminger_16 Start: 10530, Stop: 11141, Start Num: 55
Candidate Starts for Guillsminger_16:
(Start: 55 @10530 has 220 MA's), (81, 10575), (143, 10752), (158, 10809), (164, 10824), (168, 10839), (198, 10908), (200, 10914), (211, 10953), (214, 10965), (220, 10980), (233, 11019), (237, 11037), (240, 11052), (247, 11076), (257, 11106),

Gene: Guinevere_16 Start: 9237, Stop: 9905, Start Num: 50

Candidate Starts for Guinevere_16:
(Start: 50 @9237 has 270 MA's), (85, 9306), (141, 9459), (158, 9525), (203, 9645), (240, 9777), (259, 9831),

Gene: Guppsters_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Guppsters_11:
(Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Gusanita_14 Start: 9128, Stop: 9796, Start Num: 50
Candidate Starts for Gusanita_14:
(Start: 50 @9128 has 270 MA's), (116, 9263), (141, 9350), (158, 9416), (203, 9536), (253, 9707), (259, 9722),

Gene: GuuelaD_13 Start: 9034, Stop: 9936, Start Num: 50
Candidate Starts for GuuelaD_13:
(Start: 50 @9034 has 270 MA's), (88, 9100), (129, 9190), (161, 9322), (168, 9343), (202, 9424), (227, 9505), (229, 9514), (255, 9604), (259, 9616), (277, 9655), (289, 9718), (291, 9724), (310, 9850), (321, 9919),

Gene: HC_13 Start: 8865, Stop: 9665, Start Num: 29
Candidate Starts for HC_13:
(23, 8820), (Start: 29 @8865 has 269 MA's), (72, 8961), (102, 9024), (127, 9102), (149, 9201), (158, 9237), (238, 9513), (257, 9573), (263, 9579),

Gene: Hades_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for Hades_11:
(Start: 20 @7554 has 2 MA's), (Start: 29 @7611 has 269 MA's), (31, 7623), (72, 7701), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (189, 8064), (198, 8091), (232, 8226), (250, 8298), (257, 8319), (272, 8352), (278, 8370), (279, 8376),

Gene: Hafay_13 Start: 9035, Stop: 9934, Start Num: 50
Candidate Starts for Hafay_13:
(Start: 50 @9035 has 270 MA's), (88, 9098), (100, 9119), (129, 9188), (161, 9320), (168, 9341), (202, 9422), (227, 9503), (229, 9512), (255, 9602), (259, 9614), (277, 9653), (289, 9716), (291, 9722), (302, 9803), (310, 9848), (321, 9917),

Gene: Halena_13 Start: 8990, Stop: 9892, Start Num: 50
Candidate Starts for Halena_13:
(Start: 50 @8990 has 270 MA's), (88, 9056), (91, 9062), (129, 9146), (168, 9299), (172, 9311), (202, 9380), (213, 9419), (223, 9449), (229, 9470), (289, 9674), (295, 9713), (310, 9806), (312, 9830), (321, 9875),

Gene: Halloweekend_14 Start: 8878, Stop: 9546, Start Num: 50
Candidate Starts for Halloweekend_14:
(Start: 50 @8878 has 270 MA's), (141, 9100), (158, 9166), (203, 9286), (240, 9418), (259, 9472),

Gene: Halo_13 Start: 9849, Stop: 10463, Start Num: 55
Candidate Starts for Halo_13:
(Start: 55 @9849 has 220 MA's), (81, 9894), (95, 9918), (131, 10017), (133, 10032), (158, 10128), (164, 10143), (168, 10158), (171, 10167), (178, 10188), (198, 10227), (204, 10251), (207, 10260),

(211, 10272), (231, 10329), (237, 10356), (240, 10371), (247, 10395),

Gene: Hammy_17 Start: 10525, Stop: 11139, Start Num: 57
Candidate Starts for Hammy_17:
(Start: 57 @10525 has 46 MA's), (Start: 74 @10549 has 41 MA's), (81, 10570), (135, 10714), (143, 10747), (158, 10804), (164, 10819), (198, 10903), (200, 10909), (211, 10948), (214, 10960), (226, 10987), (240, 11047), (247, 11071), (257, 11101),

Gene: Hamulus_11 Start: 7635, Stop: 8444, Start Num: 29
Candidate Starts for Hamulus_11:
(Start: 29 @7635 has 269 MA's), (31, 7647), (67, 7716), (72, 7725), (85, 7761), (99, 7785), (102, 7791), (122, 7854), (148, 7965), (149, 7968), (150, 7971), (151, 7974), (158, 8004), (166, 8025), (168, 8034), (189, 8088), (232, 8250), (250, 8322), (257, 8343), (278, 8394), (279, 8400),

Gene: Harley_11 Start: 7600, Stop: 8409, Start Num: 29
Candidate Starts for Harley_11:
(Start: 20 @7543 has 2 MA's), (Start: 29 @7600 has 269 MA's), (31, 7612), (85, 7726), (99, 7750), (102, 7756), (122, 7819), (149, 7933), (150, 7936), (151, 7939), (158, 7969), (166, 7990), (168, 7999), (189, 8053), (232, 8215), (250, 8287), (257, 8308), (272, 8341), (278, 8359), (279, 8365),

Gene: HedwigODU_18 Start: 10504, Stop: 11118, Start Num: 55
Candidate Starts for HedwigODU_18:
(Start: 55 @10504 has 220 MA's), (81, 10549), (131, 10672), (143, 10726), (158, 10783), (164, 10798), (198, 10882), (200, 10888), (211, 10927), (214, 10939), (226, 10966), (237, 11011), (240, 11026), (247, 11050), (270, 11107),

Gene: Heftyboy_16 Start: 10657, Stop: 11268, Start Num: 55
Candidate Starts for Heftyboy_16:
(Start: 55 @10657 has 220 MA's), (81, 10702), (143, 10879), (158, 10936), (164, 10951), (168, 10966), (198, 11035), (200, 11041), (211, 11080), (220, 11107), (233, 11146), (237, 11164), (240, 11179), (247, 11203), (257, 11233),

Gene: Hegedechwinu_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Hegedechwinu_12:
(Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (67, 7544), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (148, 7793), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (272, 8204), (278, 8222), (279, 8228),

Gene: Hereford_14 Start: 9291, Stop: 9953, Start Num: 50
Candidate Starts for Hereford_14:
(Start: 50 @9291 has 270 MA's), (83, 9357), (130, 9462), (161, 9588), (169, 9612), (278, 9924),

Gene: Hilltopfarm_19 Start: 12517, Stop: 13158, Start Num: 39
Candidate Starts for Hilltopfarm_19:
(Start: 39 @12517 has 2 MA's), (54, 12547), (Start: 73 @12577 has 55 MA's), (93, 12622), (150, 12793), (165, 12844), (168, 12856), (178, 12886), (211, 12970), (223, 13000), (237, 13054), (269, 13147),

Gene: Hiraya_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Hiraya_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302,

9770), (310, 9815), (321, 9884),

Gene: Hitter_14 Start: 8679, Stop: 9317, Start Num: 74
Candidate Starts for Hitter_14:
(Start: 73 @8676 has 55 MA's), (Start: 74 @8679 has 41 MA's), (111, 8769), (114, 8784), (133, 8850), (156, 8937), (180, 9012), (191, 9036), (211, 9084), (231, 9141), (239, 9180), (269, 9264), (280, 9300),

Gene: Hlubikazi_11 Start: 7599, Stop: 8408, Start Num: 29
Candidate Starts for Hlubikazi_11:
(Start: 20 @7542 has 2 MA's), (Start: 29 @7599 has 269 MA's), (31, 7611), (72, 7689), (85, 7725), (99, 7749), (102, 7755), (122, 7818), (148, 7929), (149, 7932), (150, 7935), (151, 7938), (158, 7968), (166, 7989), (168, 7998), (187, 8046), (189, 8052), (197, 8076), (198, 8079), (232, 8214), (250, 8286), (257, 8307), (272, 8340), (278, 8358), (279, 8364),

Gene: Holliday_13 Start: 7501, Stop: 8073, Start Num: 73
Candidate Starts for Holliday_13:
(Start: 73 @7501 has 55 MA's), (81, 7522), (92, 7543), (102, 7555), (150, 7714), (163, 7756), (172, 7789), (241, 7978), (273, 8062),

Gene: HomeFry_41 Start: 20719, Stop: 21402, Start Num: 50
Candidate Starts for HomeFry_41:
(11, 20545), (26, 20638), (Start: 50 @20719 has 270 MA's), (134, 20920), (155, 21001), (169, 21046), (171, 21052), (174, 21064), (209, 21151), (227, 21208), (243, 21277), (249, 21295), (259, 21319), (264, 21328), (275, 21358), (278, 21367),

Gene: Homura_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Homura_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Hope_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Hope_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Horus_13 Start: 7514, Stop: 8086, Start Num: 73
Candidate Starts for Horus_13:
(Start: 73 @7514 has 55 MA's), (81, 7535), (92, 7556), (102, 7568), (150, 7727), (163, 7769), (172, 7802), (241, 7991), (273, 8075),

Gene: Hotshotbaby7_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Hotshotbaby7_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: HubbaBubba_33 Start: 18243, Stop: 18923, Start Num: 50
Candidate Starts for HubbaBubba_33:
(Start: 50 @18243 has 270 MA's), (133, 18438), (155, 18522), (171, 18573), (183, 18600), (209, 18672), (227, 18729), (243, 18798), (264, 18849), (278, 18888),

Gene: Huffy_19 Start: 10919, Stop: 11509, Start Num: 86
Candidate Starts for Huffy_19:
(Start: 86 @10919 has 10 MA's), (103, 10952), (114, 10985), (121, 11003), (174, 11204), (213, 11315), (214, 11318), (226, 11345), (243, 11417),

Gene: Huphlepuff_47 Start: 18848, Stop: 19513, Start Num: 50
Candidate Starts for Huphlepuff_47:
(Start: 50 @18848 has 270 MA's), (88, 18914), (129, 19007), (133, 19034), (155, 19118), (179, 19190), (229, 19337), (231, 19343), (237, 19370), (239, 19382),

Gene: Hurricane_17 Start: 10577, Stop: 11188, Start Num: 51
Candidate Starts for Hurricane_17:
(Start: 51 @10577 has 9 MA's), (81, 10622), (143, 10799), (158, 10856), (164, 10871), (178, 10916), (198, 10955), (200, 10961), (201, 10964), (211, 11000), (214, 11012), (220, 11027), (237, 11084), (240, 11099), (247, 11123),

Gene: Hyperbowlee_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Hyperbowlee_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: IDyn_36 Start: 19639, Stop: 20319, Start Num: 50
Candidate Starts for IDyn_36:
(Start: 50 @19639 has 270 MA's), (133, 19834), (155, 19918), (171, 19969), (209, 20068), (227, 20125), (243, 20194), (264, 20245), (278, 20284),

Gene: IMpilo_11 Start: 7620, Stop: 8429, Start Num: 29
Candidate Starts for IMpilo_11:
(4, 7419), (6, 7440), (7, 7443), (24, 7578), (Start: 29 @7620 has 269 MA's), (31, 7632), (67, 7701), (72, 7710), (85, 7746), (99, 7770), (102, 7776), (122, 7839), (149, 7953), (150, 7956), (158, 7989), (166, 8010), (168, 8019), (189, 8073), (250, 8307), (257, 8328), (278, 8379), (279, 8385),

Gene: IPhane7_23 Start: 12816, Stop: 13715, Start Num: 50
Candidate Starts for IPhane7_23:
(Start: 50 @12816 has 270 MA's), (98, 12897), (117, 12951), (119, 12957), (156, 13086), (168, 13125), (196, 13191), (212, 13245), (215, 13260), (227, 13293), (240, 13350), (243, 13362), (283, 13470), (291, 13512), (296, 13536), (303, 13584), (313, 13659), (320, 13692),

Gene: IbOuu_11 Start: 7608, Stop: 8417, Start Num: 29
Candidate Starts for IbOuu_11:
(Start: 16 @7536 has 10 MA's), (Start: 20 @7551 has 2 MA's), (Start: 29 @7608 has 269 MA's), (31, 7620), (85, 7734), (99, 7758), (102, 7764), (122, 7827), (149, 7941), (150, 7944), (151, 7947), (158, 7977), (166, 7998), (168, 8007), (187, 8055), (189, 8061), (198, 8088), (232, 8223), (250, 8295), (251, 8298), (257, 8316), (278, 8367), (279, 8373),

Gene: Ibhubesi_11 Start: 7600, Stop: 8409, Start Num: 29
Candidate Starts for Ibhubesi_11:
(Start: 20 @7543 has 2 MA's), (Start: 29 @7600 has 269 MA's), (31, 7612), (85, 7726), (99, 7750), (102, 7756), (122, 7819), (149, 7933), (150, 7936), (151, 7939), (158, 7969), (166, 7990), (168, 7999), (189, 8053), (232, 8215), (250, 8287), (257, 8308), (272, 8341), (278, 8359), (279, 8365),

Gene: Ibrahim_14 Start: 9882, Stop: 10814, Start Num: 50

Candidate Starts for Ibrahim_14:
(Start: 50 @9882 has 270 MA's), (61, 9897), (113, 10002), (127, 10047), (183, 10245), (210, 10320), (231, 10389), (236, 10413), (273, 10524), (296, 10635), (298, 10653), (299, 10668), (308, 10707), (310, 10725), (316, 10764),

Gene: Ichiang_14 Start: 8893, Stop: 9561, Start Num: 50
Candidate Starts for Ichiang_14:
(Start: 50 @8893 has 270 MA's), (85, 8962), (141, 9115), (158, 9181), (203, 9301), (259, 9487),

Gene: Idergollasper_47 Start: 23856, Stop: 24671, Start Num: 29
Candidate Starts for Idergollasper_47:
(Start: 29 @23856 has 269 MA's), (67, 23937), (122, 24078), (127, 24093), (149, 24192), (154, 24210), (173, 24273), (177, 24285), (184, 24300), (219, 24417), (249, 24543),

Gene: Illumine_18 Start: 10494, Stop: 11108, Start Num: 55
Candidate Starts for Illumine_18:
(Start: 55 @10494 has 220 MA's), (81, 10539), (131, 10662), (143, 10716), (158, 10773), (164, 10788), (178, 10833), (198, 10872), (200, 10878), (211, 10917), (214, 10929), (226, 10956), (237, 11001), (240, 11016), (247, 11040),

Gene: Imara_47 Start: 23665, Stop: 24480, Start Num: 29
Candidate Starts for Imara_47:
(Start: 29 @23665 has 269 MA's), (67, 23746), (122, 23887), (127, 23902), (149, 24001), (154, 24019), (173, 24082), (177, 24094), (184, 24109), (219, 24226), (249, 24352),

Gene: InLimbo_13 Start: 7004, Stop: 7594, Start Num: 73
Candidate Starts for InLimbo_13:
(Start: 73 @7004 has 55 MA's), (83, 7025), (115, 7094), (151, 7223), (168, 7283), (200, 7358), (226, 7436), (231, 7454), (242, 7502),

Gene: Inky_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Inky_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Inventum_11 Start: 7537, Stop: 8418, Start Num: 16
Candidate Starts for Inventum_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (257, 8317), (272, 8350), (278, 8368), (279, 8374),

Gene: InvictusManeo_16 Start: 10628, Stop: 11239, Start Num: 55
Candidate Starts for InvictusManeo_16:
(Start: 55 @10628 has 220 MA's), (81, 10673), (143, 10850), (158, 10907), (164, 10922), (168, 10937), (198, 11006), (200, 11012), (211, 11051), (220, 11078), (237, 11135), (240, 11150), (247, 11174), (257, 11204),

Gene: IrishSherpFalk_11 Start: 7617, Stop: 8426, Start Num: 29
Candidate Starts for IrishSherpFalk_11:
(Start: 29 @7617 has 269 MA's), (31, 7629), (67, 7698), (72, 7707), (85, 7743), (99, 7767), (102, 7773), (122, 7836), (148, 7947), (149, 7950), (150, 7953), (151, 7956), (158, 7986), (166, 8007), (168, 8016),

(189, 8070), (250, 8304), (257, 8325), (278, 8376), (279, 8382),

Gene: IsHungry_16 Start: 9202, Stop: 9870, Start Num: 50
Candidate Starts for IsHungry_16:
(Start: 50 @9202 has 270 MA's), (116, 9337), (141, 9424), (158, 9490), (203, 9610), (253, 9781), (259, 9796),

Gene: Island3_13 Start: 8865, Stop: 9665, Start Num: 29
Candidate Starts for Island3_13:
(23, 8820), (Start: 29 @8865 has 269 MA's), (72, 8961), (102, 9024), (127, 9102), (149, 9201), (158, 9237), (238, 9513), (257, 9573), (263, 9579),

Gene: Itos_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Itos_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Izel_24 Start: 12815, Stop: 13714, Start Num: 50
Candidate Starts for Izel_24:
(Start: 50 @12815 has 270 MA's), (98, 12896), (117, 12950), (119, 12956), (156, 13085), (168, 13124), (196, 13190), (212, 13244), (215, 13259), (227, 13292), (240, 13349), (243, 13361), (283, 13469), (291, 13511), (296, 13535), (303, 13583), (313, 13658), (320, 13691),

Gene: JAWS_18 Start: 10498, Stop: 11109, Start Num: 55
Candidate Starts for JAWS_18:
(Start: 55 @10498 has 220 MA's), (81, 10540), (131, 10663), (143, 10717), (158, 10774), (164, 10789), (198, 10873), (200, 10879), (211, 10918), (214, 10930), (226, 10957), (237, 11002), (240, 11017), (247, 11041), (270, 11098),

Gene: JF1_19 Start: 11716, Stop: 12327, Start Num: 57
Candidate Starts for JF1_19:
(Start: 57 @11716 has 46 MA's), (96, 11782), (98, 11788), (114, 11836), (133, 11893), (135, 11899), (140, 11920), (143, 11932), (164, 12004), (198, 12088), (200, 12094), (211, 12133), (214, 12145), (220, 12160), (237, 12217), (240, 12232), (247, 12256), (257, 12286),

Gene: Jabbawokkie_15 Start: 8202, Stop: 8795, Start Num: 75
Candidate Starts for Jabbawokkie_15:
(Start: 75 @8202 has 42 MA's), (81, 8220), (131, 8337), (139, 8376), (157, 8442), (168, 8475), (172, 8487), (180, 8511), (211, 8583), (213, 8592), (217, 8604), (224, 8616), (231, 8640), (234, 8658),

Gene: JacoRen57_12 Start: 8388, Stop: 9011, Start Num: 63
Candidate Starts for JacoRen57_12:
(Start: 63 @8388 has 4 MA's), (131, 8550), (147, 8622), (198, 8769), (204, 8793), (211, 8814), (247, 8937), (268, 8988),

Gene: JalFarm20_12 Start: 7462, Stop: 8271, Start Num: 29
Candidate Starts for JalFarm20_12:
(Start: 29 @7462 has 269 MA's), (31, 7474), (72, 7552), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (187, 7909), (189, 7915), (198, 7942), (216, 8011), (232, 8077), (250, 8149), (257, 8170), (278, 8221), (279, 8227),

Gene: Jalammah_15 Start: 8950, Stop: 9588, Start Num: 74

Candidate Starts for Jalammah_15:
(Start: 73 @8947 has 55 MA's), (Start: 74 @8950 has 41 MA's), (111, 9040), (114, 9055), (133, 9121), (156, 9208), (180, 9283), (191, 9307), (211, 9355), (231, 9412), (239, 9451), (269, 9535), (280, 9571),

Gene: James_11 Start: 7601, Stop: 8410, Start Num: 29
Candidate Starts for James_11:
(Start: 20 @7544 has 2 MA's), (Start: 29 @7601 has 269 MA's), (31, 7613), (72, 7691), (85, 7727), (99, 7751), (102, 7757), (122, 7820), (149, 7934), (150, 7937), (151, 7940), (158, 7970), (166, 7991), (168, 8000), (187, 8048), (189, 8054), (197, 8078), (232, 8216), (250, 8288), (257, 8309), (272, 8342), (278, 8360), (279, 8366),

Gene: Jane_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Jane_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: JanetJ_13 Start: 8928, Stop: 9581, Start Num: 50
Candidate Starts for JanetJ_13:
(Start: 50 @8928 has 270 MA's), (Start: 51 @8931 has 9 MA's), (128, 9081), (130, 9093), (161, 9219), (169, 9243), (171, 9249), (231, 9417), (278, 9555),

Gene: JangDynasty_47 Start: 23951, Stop: 24766, Start Num: 29
Candidate Starts for JangDynasty_47:
(Start: 29 @23951 has 269 MA's), (67, 24032), (122, 24173), (127, 24188), (149, 24287), (154, 24305), (173, 24368), (177, 24380), (184, 24395), (219, 24512), (249, 24638),

Gene: Jant_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Jant_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Jarcob_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Jarcob_11:
(Start: 16 @7537 has 10 MA's), (19, 7552), (Start: 29 @7609 has 269 MA's), (31, 7621), (72, 7699), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (197, 8086), (232, 8224), (250, 8296), (257, 8317), (272, 8350), (278, 8368), (279, 8374),

Gene: Jarvi_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Jarvi_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: JasperJr_14 Start: 8683, Stop: 9321, Start Num: 74
Candidate Starts for JasperJr_14:
(Start: 73 @8680 has 55 MA's), (Start: 74 @8683 has 41 MA's), (111, 8773), (114, 8788), (156, 8941), (180, 9016), (191, 9040), (211, 9088), (231, 9145), (239, 9184), (269, 9268), (280, 9304),

Gene: Jayhawk_18 Start: 10505, Stop: 11119, Start Num: 55
Candidate Starts for Jayhawk_18:

(Start: 55 @10505 has 220 MA's), (81, 10550), (131, 10673), (143, 10727), (158, 10784), (164, 10799), (198, 10883), (200, 10889), (211, 10928), (214, 10940), (226, 10967), (237, 11012), (240, 11027), (247, 11051), (270, 11108),

Gene: JeanClaude_12 Start: 7914, Stop: 8567, Start Num: 50
Candidate Starts for JeanClaude_12:
(Start: 50 @7914 has 270 MA's), (83, 7974), (130, 8079), (153, 8175), (155, 8184), (161, 8205), (169, 8229), (183, 8262), (278, 8541),

Gene: Jeckyll_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Jeckyll_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Jeilious_13 Start: 9853, Stop: 10467, Start Num: 55
Candidate Starts for Jeilious_13:
(Start: 55 @9853 has 220 MA's), (81, 9898), (95, 9922), (123, 10000), (131, 10021), (133, 10036), (158, 10132), (164, 10147), (171, 10171), (178, 10192), (198, 10231), (204, 10255), (207, 10264), (211, 10276), (231, 10333), (237, 10360), (240, 10375), (247, 10399),

Gene: Jennelsea_11 Start: 7597, Stop: 8406, Start Num: 29
Candidate Starts for Jennelsea_11:
(Start: 29 @7597 has 269 MA's), (31, 7609), (72, 7687), (85, 7723), (99, 7747), (102, 7753), (122, 7816), (149, 7930), (150, 7933), (151, 7936), (158, 7966), (166, 7987), (168, 7996), (189, 8050), (198, 8077), (232, 8212), (257, 8305), (278, 8356), (279, 8362),

Gene: Jifall16_34 Start: 22046, Stop: 22729, Start Num: 50
Candidate Starts for Jifall16_34:
(Start: 50 @22046 has 270 MA's), (62, 22064), (107, 22157), (133, 22244), (134, 22247), (171, 22379), (209, 22478), (227, 22535), (243, 22604), (255, 22634), (264, 22655), (278, 22694),

Gene: Jinglebell_11 Start: 7607, Stop: 8416, Start Num: 29
Candidate Starts for Jinglebell_11:
(Start: 20 @7550 has 2 MA's), (Start: 29 @7607 has 269 MA's), (31, 7619), (72, 7697), (85, 7733), (99, 7757), (102, 7763), (122, 7826), (148, 7937), (149, 7940), (150, 7943), (151, 7946), (158, 7976), (166, 7997), (168, 8006), (187, 8054), (189, 8060), (197, 8084), (232, 8222), (250, 8294), (257, 8315), (278, 8366), (279, 8372),

Gene: Job42_12 Start: 7462, Stop: 8271, Start Num: 29
Candidate Starts for Job42_12:
(Start: 20 @7405 has 2 MA's), (Start: 29 @7462 has 269 MA's), (31, 7474), (72, 7552), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (187, 7909), (189, 7915), (198, 7942), (250, 8149), (257, 8170), (278, 8221), (279, 8227),

Gene: Jobypre_14 Start: 9123, Stop: 10025, Start Num: 50
Candidate Starts for Jobypre_14:
(Start: 50 @9123 has 270 MA's), (88, 9189), (161, 9411), (168, 9432), (202, 9513), (227, 9594), (229, 9603), (253, 9690), (259, 9705), (277, 9744), (293, 9837), (301, 9888), (310, 9939),

Gene: JoeDirt_13 Start: 8990, Stop: 9892, Start Num: 50
Candidate Starts for JoeDirt_13:

(Start: 50 @8990 has 270 MA's), (88, 9056), (91, 9062), (129, 9146), (168, 9299), (172, 9311), (202, 9380), (213, 9419), (223, 9449), (229, 9470), (289, 9674), (295, 9713), (310, 9806), (312, 9830), (321, 9875),

Gene: JoeyJr_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for JoeyJr_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: JoieB_46 Start: 19067, Stop: 19732, Start Num: 50
Candidate Starts for JoieB_46:
(Start: 50 @19067 has 270 MA's), (88, 19133), (129, 19226), (133, 19253), (155, 19337), (179, 19409), (229, 19556), (231, 19562), (237, 19589), (239, 19601),

Gene: Jolene_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Jolene_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Jolie2_13 Start: 9130, Stop: 9750, Start Num: 55
Candidate Starts for Jolie2_13:
(Start: 55 @9130 has 220 MA's), (95, 9205), (114, 9262), (133, 9319), (158, 9415), (164, 9430), (168, 9445), (178, 9475), (198, 9514), (204, 9538), (220, 9586), (231, 9616), (240, 9658), (256, 9709),

Gene: JonJames_41 Start: 21700, Stop: 22365, Start Num: 50
Candidate Starts for JonJames_41:
(Start: 50 @21700 has 270 MA's), (102, 21793), (129, 21862), (183, 22051), (196, 22078), (249, 22267),

Gene: Jonghyun_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Jonghyun_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: JorRay_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for JorRay_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Joy99_18 Start: 10470, Stop: 11084, Start Num: 55
Candidate Starts for Joy99_18:
(Start: 55 @10470 has 220 MA's), (81, 10515), (131, 10638), (143, 10692), (158, 10749), (164, 10764), (198, 10848), (200, 10854), (211, 10893), (214, 10905), (226, 10932), (237, 10977), (240, 10992), (247, 11016), (270, 11073),

Gene: JuJu_14 Start: 8607, Stop: 9245, Start Num: 74
Candidate Starts for JuJu_14:

(Start: 73 @8604 has 55 MA's), (Start: 74 @8607 has 41 MA's), (111, 8697), (114, 8712), (156, 8865), (180, 8940), (191, 8964), (211, 9012), (231, 9069), (239, 9108), (269, 9192), (280, 9228),

Gene: Jubie_14 Start: 9123, Stop: 10025, Start Num: 50
Candidate Starts for Jubie_14:
(Start: 50 @9123 has 270 MA's), (88, 9189), (161, 9411), (168, 9432), (202, 9513), (227, 9594), (229, 9603), (253, 9690), (259, 9705), (277, 9744), (293, 9837), (301, 9888), (310, 9939),

Gene: Juice456_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Juice456_12:
(Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: Julie_16 Start: 9465, Stop: 10133, Start Num: 50
Candidate Starts for Julie_16:
(Start: 50 @9465 has 270 MA's), (116, 9600), (141, 9687), (158, 9753), (203, 9873), (253, 10044),

Gene: Juliette_19 Start: 11592, Stop: 12203, Start Num: 57
Candidate Starts for Juliette_19:
(Start: 57 @11592 has 46 MA's), (96, 11658), (98, 11664), (114, 11712), (133, 11769), (135, 11775), (140, 11796), (143, 11808), (158, 11865), (164, 11880), (168, 11895), (198, 11964), (200, 11970), (220, 12036), (237, 12093), (240, 12108), (247, 12132), (257, 12162),

Gene: Juniper1_11 Start: 7601, Stop: 8410, Start Num: 29
Candidate Starts for Juniper1_11:
(Start: 20 @7544 has 2 MA's), (Start: 29 @7601 has 269 MA's), (31, 7613), (72, 7691), (85, 7727), (99, 7751), (102, 7757), (122, 7820), (149, 7934), (150, 7937), (151, 7940), (158, 7970), (166, 7991), (168, 8000), (189, 8054), (197, 8078), (232, 8216), (250, 8288), (257, 8309), (278, 8360), (279, 8366),

Gene: Kabluna_38 Start: 21100, Stop: 21783, Start Num: 50
Candidate Starts for Kabluna_38:
(Start: 50 @21100 has 270 MA's), (134, 21301), (146, 21349), (171, 21433), (209, 21532), (227, 21589), (243, 21658), (278, 21748),

Gene: Kahlid_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Kahlid_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (291, 9689), (310, 9815), (321, 9884),

Gene: Kamaru_13 Start: 7501, Stop: 8073, Start Num: 73
Candidate Starts for Kamaru_13:
(Start: 73 @7501 has 55 MA's), (81, 7522), (92, 7543), (102, 7555), (150, 7714), (163, 7756), (172, 7789), (241, 7978), (273, 8062),

Gene: KappaFarmDelta_14 Start: 8832, Stop: 9470, Start Num: 74
Candidate Starts for KappaFarmDelta_14:
(Start: 73 @8829 has 55 MA's), (Start: 74 @8832 has 41 MA's), (111, 8922), (114, 8937), (133, 9003), (142, 9039), (180, 9165), (191, 9189), (211, 9237), (231, 9294), (239, 9333), (269, 9417), (280, 9453),

Gene: Kareem_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Kareem_13:

(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Karhdo_11 Start: 7612, Stop: 8421, Start Num: 29
Candidate Starts for Karhdo_11:
(10, 7504), (Start: 20 @7555 has 2 MA's), (Start: 29 @7612 has 269 MA's), (31, 7624), (85, 7738), (99, 7762), (102, 7768), (122, 7831), (149, 7945), (150, 7948), (151, 7951), (158, 7981), (166, 8002), (168, 8011), (189, 8065), (232, 8227), (250, 8299), (257, 8320), (278, 8371), (279, 8377),

Gene: Kasen3_13 Start: 9855, Stop: 10469, Start Num: 55
Candidate Starts for Kasen3_13:
(Start: 55 @9855 has 220 MA's), (81, 9900), (95, 9924), (123, 10002), (131, 10023), (133, 10038), (158, 10134), (164, 10149), (171, 10173), (178, 10194), (198, 10233), (204, 10257), (207, 10266), (211, 10278), (231, 10335), (237, 10362), (240, 10377), (247, 10401),

Gene: Keelan_43 Start: 16946, Stop: 17503, Start Num: 75
Candidate Starts for Keelan_43:
(Start: 75 @16946 has 42 MA's), (81, 16964), (147, 17153), (200, 17279), (211, 17318), (231, 17378), (239, 17417),

Gene: Keiki_11 Start: 7170, Stop: 7796, Start Num: 75
Candidate Starts for Keiki_11:
(Start: 69 @7158 has 12 MA's), (Start: 74 @7167 has 41 MA's), (Start: 75 @7170 has 42 MA's), (117, 7263), (141, 7350), (151, 7386), (211, 7539), (212, 7542), (231, 7596), (239, 7635), (245, 7656), (260, 7698), (268, 7716),

Gene: Kenna_13 Start: 7514, Stop: 8086, Start Num: 73
Candidate Starts for Kenna_13:
(Start: 73 @7514 has 55 MA's), (81, 7535), (92, 7556), (102, 7568), (150, 7727), (163, 7769), (172, 7802), (241, 7991), (273, 8075),

Gene: Kenuha5_11 Start: 7599, Stop: 8408, Start Num: 29
Candidate Starts for Kenuha5_11:
(Start: 29 @7599 has 269 MA's), (31, 7611), (67, 7680), (85, 7725), (99, 7749), (102, 7755), (122, 7818), (149, 7932), (150, 7935), (158, 7968), (166, 7989), (168, 7998), (189, 8052), (198, 8079), (200, 8085), (232, 8214), (250, 8286), (257, 8307), (278, 8358), (279, 8364),

Gene: Kersh_11 Start: 7603, Stop: 8412, Start Num: 29
Candidate Starts for Kersh_11:
(Start: 29 @7603 has 269 MA's), (31, 7615), (72, 7693), (85, 7729), (99, 7753), (102, 7759), (122, 7822), (149, 7936), (150, 7939), (151, 7942), (158, 7972), (166, 7993), (168, 8002), (189, 8056), (198, 8083), (232, 8218), (250, 8290), (257, 8311), (272, 8344), (278, 8362), (279, 8368),

Gene: Keshu_17 Start: 10564, Stop: 11175, Start Num: 51
Candidate Starts for Keshu_17:
(Start: 51 @10564 has 9 MA's), (81, 10609), (143, 10786), (158, 10843), (164, 10858), (178, 10903), (198, 10942), (200, 10948), (201, 10951), (211, 10987), (214, 10999), (220, 11014), (237, 11071), (240, 11086), (247, 11110),

Gene: KiSi_17 Start: 9433, Stop: 10044, Start Num: 55
Candidate Starts for KiSi_17:

(Start: 55 @9433 has 220 MA's), (81, 9475), (158, 9709), (164, 9724), (168, 9739), (178, 9769), (198, 9808), (200, 9814), (211, 9853), (214, 9865), (237, 9937), (240, 9952), (247, 9976), (257, 10006), (268, 10027),

Gene: KidneyBean_35 Start: 22194, Stop: 22877, Start Num: 50
Candidate Starts for KidneyBean_35:
(Start: 50 @22194 has 270 MA's), (62, 22212), (107, 22305), (134, 22395), (171, 22527), (209, 22626), (227, 22683), (243, 22752), (255, 22782), (264, 22803), (278, 22842),

Gene: Kihatsu_17 Start: 9559, Stop: 10227, Start Num: 50
Candidate Starts for Kihatsu_17:
(Start: 50 @9559 has 270 MA's), (158, 9847), (203, 9967), (240, 10099), (259, 10153),

Gene: Kimberlium_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Kimberlium_12:
(Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: Kimchi1738_23 Start: 15559, Stop: 16221, Start Num: 50
Candidate Starts for Kimchi1738_23:
(Start: 50 @15559 has 270 MA's), (62, 15577), (97, 15640), (99, 15646), (171, 15880), (209, 15976), (227, 16033), (231, 16048), (278, 16192),

Gene: KingJulian_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for KingJulian_11:
(Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (99, 7782), (102, 7788), (122, 7851), (149, 7965), (150, 7968), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: KingMidas_11 Start: 7608, Stop: 8417, Start Num: 29
Candidate Starts for KingMidas_11:
(Start: 14 @7533 has 3 MA's), (Start: 16 @7536 has 10 MA's), (Start: 20 @7551 has 2 MA's), (Start: 29 @7608 has 269 MA's), (31, 7620), (72, 7698), (85, 7734), (99, 7758), (102, 7764), (122, 7827), (148, 7938), (149, 7941), (150, 7944), (151, 7947), (158, 7977), (166, 7998), (168, 8007), (189, 8061), (198, 8088), (232, 8223), (250, 8295), (257, 8316), (278, 8367), (279, 8373),

Gene: KingPhillip3_47 Start: 23856, Stop: 24671, Start Num: 29
Candidate Starts for KingPhillip3_47:
(Start: 29 @23856 has 269 MA's), (67, 23937), (122, 24078), (127, 24093), (149, 24192), (154, 24210), (173, 24273), (177, 24285), (184, 24300), (219, 24417), (249, 24543),

Gene: Kingsley_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for Kingsley_12:
(Start: 20 @7403 has 2 MA's), (Start: 29 @7460 has 269 MA's), (31, 7472), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (189, 7913), (232, 8075), (257, 8168), (278, 8219), (279, 8225),

Gene: Kingsolomon_14 Start: 9123, Stop: 10025, Start Num: 50
Candidate Starts for Kingsolomon_14:
(Start: 50 @9123 has 270 MA's), (88, 9189), (161, 9411), (168, 9432), (202, 9513), (227, 9594), (229, 9603), (253, 9690), (259, 9705), (277, 9744), (293, 9837), (301, 9888), (310, 9939),

Gene: KirDoubleO7_12 Start: 9136, Stop: 10038, Start Num: 50
Candidate Starts for KirDoubleO7_12:
(Start: 50 @9136 has 270 MA's), (88, 9202), (161, 9424), (168, 9445), (186, 9484), (202, 9526), (227, 9607), (229, 9616), (253, 9703), (259, 9718), (277, 9757), (301, 9901), (310, 9952),

Gene: KleverKiS_23 Start: 12812, Stop: 13711, Start Num: 50
Candidate Starts for KleverKiS_23:
(Start: 50 @12812 has 270 MA's), (98, 12893), (117, 12947), (119, 12953), (156, 13082), (168, 13121), (196, 13187), (212, 13241), (215, 13256), (227, 13289), (240, 13346), (243, 13358), (283, 13466), (291, 13508), (296, 13532), (303, 13580), (313, 13655), (315, 13661), (320, 13688),

Gene: Koella_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Koella_11:
(Start: 29 @7609 has 269 MA's), (31, 7621), (72, 7699), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (189, 8062), (198, 8089), (232, 8224), (257, 8317), (278, 8368), (279, 8374),

Gene: Krakatau_12 Start: 8284, Stop: 9093, Start Num: 29
Candidate Starts for Krakatau_12:
(Start: 29 @8284 has 269 MA's), (31, 8296), (67, 8365), (72, 8374), (99, 8434), (102, 8440), (122, 8503), (145, 8602), (149, 8617), (150, 8620), (158, 8653), (166, 8674), (168, 8683), (189, 8737), (250, 8971), (257, 8992), (278, 9043), (279, 9049),

Gene: Kratio_15 Start: 10255, Stop: 10866, Start Num: 55
Candidate Starts for Kratio_15:
(Start: 55 @10255 has 220 MA's), (81, 10300), (158, 10534), (164, 10549), (168, 10564), (198, 10633), (200, 10639), (211, 10678), (220, 10705), (237, 10762), (240, 10777), (247, 10801), (257, 10831),

Gene: Kraw_19 Start: 11636, Stop: 12247, Start Num: 57
Candidate Starts for Kraw_19:
(Start: 57 @11636 has 46 MA's), (96, 11702), (98, 11708), (114, 11756), (133, 11813), (135, 11819), (140, 11840), (143, 11852), (158, 11909), (164, 11924), (198, 12008), (200, 12014), (211, 12053), (214, 12065), (220, 12080), (240, 12152), (247, 12176), (257, 12206),

Gene: Krili_46 Start: 23573, Stop: 24388, Start Num: 29
Candidate Starts for Krili_46:
(Start: 29 @23573 has 269 MA's), (67, 23654), (122, 23795), (127, 23810), (149, 23909), (154, 23927), (173, 23990), (177, 24002), (184, 24017), (219, 24134), (249, 24260),

Gene: KristaRAM_12 Start: 8281, Stop: 9090, Start Num: 29
Candidate Starts for KristaRAM_12:
(Start: 29 @8281 has 269 MA's), (31, 8293), (67, 8362), (72, 8371), (99, 8431), (102, 8437), (122, 8500), (149, 8614), (150, 8617), (151, 8620), (158, 8650), (166, 8671), (168, 8680), (189, 8734), (232, 8896), (250, 8968), (257, 8989), (278, 9040), (279, 9046),

Gene: Kropertea_13 Start: 8689, Stop: 9591, Start Num: 50
Candidate Starts for Kropertea_13:
(Start: 50 @8689 has 270 MA's), (88, 8755), (161, 8977), (168, 8998), (202, 9079), (213, 9118), (227, 9160), (229, 9169), (253, 9256), (259, 9271), (277, 9310), (300, 9451), (301, 9454), (310, 9505), (317, 9556),

Gene: Krueger_17 Start: 9483, Stop: 10097, Start Num: 55
Candidate Starts for Krueger_17:

(Start: 55 @9483 has 220 MA's), (81, 9528), (143, 9705), (158, 9762), (164, 9777), (168, 9792), (178, 9822), (198, 9861), (200, 9867), (240, 10005), (248, 10032), (268, 10080),

Gene: Krypton555_14 Start: 9112, Stop: 10011, Start Num: 50
Candidate Starts for Krypton555_14:
(Start: 50 @9112 has 270 MA's), (88, 9178), (161, 9400), (168, 9421), (202, 9502), (227, 9583), (229, 9592), (253, 9679), (259, 9694), (277, 9733), (289, 9796), (291, 9802), (300, 9874), (310, 9928), (321, 9997),

Gene: Kubed_11 Start: 7161, Stop: 7790, Start Num: 75
Candidate Starts for Kubed_11:
(Start: 69 @7149 has 12 MA's), (Start: 74 @7158 has 41 MA's), (Start: 75 @7161 has 42 MA's), (129, 7284), (141, 7341), (211, 7530), (212, 7533), (239, 7626), (243, 7641), (245, 7647), (260, 7689), (268, 7707),

Gene: Kudefre_21 Start: 12302, Stop: 12976, Start Num: 43
Candidate Starts for Kudefre_21:
(Start: 43 @12302 has 2 MA's), (Start: 48 @12317 has 14 MA's), (62, 12338), (76, 12359), (79, 12368), (100, 12407), (107, 12428), (131, 12488), (146, 12557), (156, 12593), (204, 12722), (212, 12746), (230, 12806), (234, 12827), (236, 12833), (259, 12905), (276, 12941),

Gene: Kumao_22 Start: 12078, Stop: 12980, Start Num: 50
Candidate Starts for Kumao_22:
(Start: 50 @12078 has 270 MA's), (Start: 77 @12120 has 1 MA's), (98, 12159), (130, 12240), (133, 12261), (148, 12321), (156, 12348), (168, 12387), (188, 12438), (196, 12456), (211, 12507), (212, 12510), (213, 12516), (215, 12525), (227, 12558), (232, 12576), (243, 12627), (259, 12669), (297, 12804), (305, 12864), (310, 12891),

Gene: Kumotta_13 Start: 8849, Stop: 9499, Start Num: 50
Candidate Starts for Kumotta_13:
(Start: 50 @8849 has 270 MA's), (83, 8909), (91, 8921), (128, 8999), (153, 9107), (161, 9137), (169, 9161), (176, 9185), (183, 9194), (223, 9308), (278, 9473),

Gene: Kurt_35 Start: 22434, Stop: 23117, Start Num: 50
Candidate Starts for Kurt_35:
(Start: 50 @22434 has 270 MA's), (62, 22452), (107, 22545), (133, 22632), (134, 22635), (171, 22767), (209, 22866), (227, 22923), (243, 22992), (255, 23022), (264, 23043), (278, 23082),

Gene: Kuwabara_13 Start: 7836, Stop: 8429, Start Num: 73
Candidate Starts for Kuwabara_13:
(Start: 73 @7836 has 55 MA's), (83, 7857), (100, 7881), (135, 7995), (151, 8055), (158, 8085), (167, 8109), (168, 8115), (180, 8151), (181, 8154), (200, 8190), (211, 8229), (243, 8340),

Gene: Larva_16 Start: 10368, Stop: 10979, Start Num: 55
Candidate Starts for Larva_16:
(Start: 55 @10368 has 220 MA's), (81, 10413), (158, 10647), (164, 10662), (168, 10677), (198, 10746), (200, 10752), (211, 10791), (214, 10803), (220, 10818), (237, 10875), (240, 10890), (247, 10914), (257, 10944),

Gene: LastHope_18 Start: 9529, Stop: 10143, Start Num: 57
Candidate Starts for LastHope_18:
(Start: 57 @9529 has 46 MA's), (81, 9574), (111, 9640), (133, 9712), (143, 9751), (158, 9808), (168, 9838), (178, 9868), (198, 9907), (200, 9913), (201, 9916), (211, 9952), (237, 10036), (247, 10075),

(257, 10105), (268, 10126),

Gene: LastJedi_11 Start: 7601, Stop: 8410, Start Num: 29
Candidate Starts for LastJedi_11:
(Start: 20 @7544 has 2 MA's), (Start: 29 @7601 has 269 MA's), (31, 7613), (72, 7691), (85, 7727), (99, 7751), (102, 7757), (122, 7820), (149, 7934), (150, 7937), (151, 7940), (158, 7970), (166, 7991), (168, 8000), (187, 8048), (189, 8054), (197, 8078), (232, 8216), (250, 8288), (257, 8309), (272, 8342), (278, 8360), (279, 8366),

Gene: LastNadiia_17 Start: 10446, Stop: 11024, Start Num: 73
Candidate Starts for LastNadiia_17:
(Start: 73 @10446 has 55 MA's),

Gene: LaterM_18 Start: 10463, Stop: 11074, Start Num: 56
Candidate Starts for LaterM_18:
(Start: 56 @10463 has 5 MA's), (81, 10505), (131, 10628), (143, 10682), (158, 10739), (164, 10754), (178, 10799), (198, 10838), (200, 10844), (211, 10883), (214, 10895), (226, 10922), (237, 10967), (240, 10982), (247, 11006),

Gene: Latretium_11 Start: 7598, Stop: 8407, Start Num: 29
Candidate Starts for Latretium_11:
(Start: 20 @7541 has 2 MA's), (Start: 29 @7598 has 269 MA's), (31, 7610), (72, 7688), (85, 7724), (99, 7748), (102, 7754), (122, 7817), (149, 7931), (150, 7934), (151, 7937), (158, 7967), (166, 7988), (168, 7997), (187, 8045), (189, 8051), (197, 8075), (198, 8078), (232, 8213), (250, 8285), (257, 8306), (278, 8357), (279, 8363),

Gene: Lauchelly_11 Start: 7156, Stop: 7794, Start Num: 75
Candidate Starts for Lauchelly_11:
(Start: 68 @7144 has 3 MA's), (Start: 74 @7153 has 41 MA's), (Start: 75 @7156 has 42 MA's), (141, 7336), (151, 7372), (211, 7525), (212, 7528), (214, 7537), (243, 7636), (245, 7642), (260, 7684), (268, 7702),

Gene: Lavahound_16 Start: 10216, Stop: 10827, Start Num: 57
Candidate Starts for Lavahound_16:
(5, 9946), (Start: 25 @10111 has 1 MA's), (36, 10174), (40, 10183), (Start: 57 @10216 has 46 MA's), (81, 10258), (131, 10381), (135, 10402), (143, 10435), (158, 10492), (164, 10507), (198, 10591), (200, 10597), (211, 10636), (214, 10648), (226, 10675), (240, 10735), (247, 10759),

Gene: LeBron_13 Start: 8990, Stop: 9892, Start Num: 50
Candidate Starts for LeBron_13:
(Start: 50 @8990 has 270 MA's), (88, 9056), (91, 9062), (129, 9146), (168, 9299), (172, 9311), (202, 9380), (213, 9419), (223, 9449), (229, 9470), (289, 9674), (295, 9713), (310, 9806), (312, 9830), (321, 9875),

Gene: LeMond_17 Start: 9505, Stop: 10116, Start Num: 55
Candidate Starts for LeMond_17:
(Start: 55 @9505 has 220 MA's), (81, 9547), (158, 9781), (164, 9796), (168, 9811), (178, 9841), (198, 9880), (200, 9886), (211, 9925), (214, 9937), (237, 10009), (240, 10024), (247, 10048), (257, 10078), (268, 10099),

Gene: Lea83_17 Start: 10567, Stop: 11178, Start Num: 51
Candidate Starts for Lea83_17:

(Start: 51 @10567 has 9 MA's), (81, 10612), (143, 10789), (158, 10846), (164, 10861), (178, 10906), (198, 10945), (200, 10951), (201, 10954), (211, 10990), (214, 11002), (220, 11017), (237, 11074), (240, 11089), (247, 11113),

Gene: Lebo14_19 Start: 11730, Stop: 12341, Start Num: 57
Candidate Starts for Lebo14_19:
(Start: 57 @11730 has 46 MA's), (96, 11796), (98, 11802), (114, 11850), (133, 11907), (135, 11913), (140, 11934), (143, 11946), (158, 12003), (164, 12018), (198, 12102), (200, 12108), (211, 12147), (214, 12159), (220, 12174), (237, 12231), (240, 12246), (247, 12270), (257, 12300),

Gene: Lemuria_13 Start: 9183, Stop: 9803, Start Num: 55
Candidate Starts for Lemuria_13:
(Start: 55 @9183 has 220 MA's), (81, 9234), (95, 9258), (114, 9315), (131, 9357), (133, 9372), (158, 9468), (164, 9483), (168, 9498), (171, 9507), (178, 9528), (198, 9567), (204, 9591), (211, 9612), (220, 9639), (229, 9663), (231, 9669), (240, 9711),

Gene: Lenoxika_16 Start: 9239, Stop: 9907, Start Num: 50
Candidate Starts for Lenoxika_16:
(Start: 50 @9239 has 270 MA's), (85, 9308), (141, 9461), (158, 9527), (203, 9647), (240, 9779), (259, 9833),

Gene: Leozinho_12 Start: 7461, Stop: 8270, Start Num: 29
Candidate Starts for Leozinho_12:
(Start: 14 @7386 has 3 MA's), (Start: 16 @7389 has 10 MA's), (Start: 20 @7404 has 2 MA's), (Start: 29 @7461 has 269 MA's), (31, 7473), (72, 7551), (85, 7587), (99, 7611), (102, 7617), (122, 7680), (149, 7794), (150, 7797), (151, 7800), (158, 7830), (166, 7851), (168, 7860), (189, 7914), (232, 8076), (250, 8148), (257, 8169), (278, 8220), (279, 8226),

Gene: Leperchaun_11 Start: 7598, Stop: 8407, Start Num: 29
Candidate Starts for Leperchaun_11:
(Start: 16 @7526 has 10 MA's), (Start: 20 @7541 has 2 MA's), (Start: 29 @7598 has 269 MA's), (31, 7610), (85, 7724), (99, 7748), (102, 7754), (122, 7817), (149, 7931), (150, 7934), (151, 7937), (158, 7967), (166, 7988), (168, 7997), (187, 8045), (189, 8051), (198, 8078), (232, 8213), (250, 8285), (251, 8288), (257, 8306), (278, 8357), (279, 8363),

Gene: Leroy_13 Start: 7515, Stop: 8087, Start Num: 73
Candidate Starts for Leroy_13:
(Start: 73 @7515 has 55 MA's), (81, 7536), (92, 7557), (102, 7569), (150, 7728), (163, 7770), (172, 7803), (241, 7992), (273, 8076),

Gene: Leston_16 Start: 10660, Stop: 11271, Start Num: 55
Candidate Starts for Leston_16:
(Start: 55 @10660 has 220 MA's), (81, 10705), (143, 10882), (158, 10939), (164, 10954), (168, 10969), (198, 11038), (200, 11044), (211, 11083), (214, 11095), (220, 11110), (233, 11149), (237, 11167), (240, 11182), (247, 11206), (257, 11236),

Gene: Leviosa_11 Start: 7181, Stop: 7813, Start Num: 75
Candidate Starts for Leviosa_11:
(Start: 69 @7169 has 12 MA's), (Start: 74 @7178 has 41 MA's), (Start: 75 @7181 has 42 MA's), (141, 7361), (211, 7550), (212, 7553), (214, 7562), (239, 7646), (243, 7661), (245, 7667), (260, 7709), (268, 7727),

Gene: Lewan_13 Start: 9002, Stop: 9901, Start Num: 50

Candidate Starts for Lewan_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Liefie_13 Start: 9853, Stop: 10467, Start Num: 55
Candidate Starts for Liefie_13:
(Start: 55 @9853 has 220 MA's), (81, 9898), (95, 9922), (123, 10000), (131, 10021), (133, 10036), (158, 10132), (164, 10147), (168, 10162), (171, 10171), (178, 10192), (198, 10231), (204, 10255), (207, 10264), (211, 10276), (231, 10333), (237, 10360), (240, 10375), (247, 10399),

Gene: LilBandit_11 Start: 7167, Stop: 7796, Start Num: 75
Candidate Starts for LilBandit_11:
(Start: 48 @7119 has 14 MA's), (Start: 51 @7125 has 9 MA's), (53, 7128), (61, 7143), (64, 7149), (Start: 68 @7155 has 3 MA's), (Start: 74 @7164 has 41 MA's), (Start: 75 @7167 has 42 MA's), (117, 7260), (141, 7347), (211, 7536), (212, 7539), (214, 7548), (239, 7632), (243, 7647), (245, 7653), (260, 7695), (268, 7713),

Gene: LilDestine_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for LilDestine_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (291, 9689), (310, 9815), (321, 9884),

Gene: LilDirt_15 Start: 10385, Stop: 10996, Start Num: 55
Candidate Starts for LilDirt_15:
(Start: 55 @10385 has 220 MA's), (81, 10430), (143, 10607), (158, 10664), (164, 10679), (168, 10694), (198, 10763), (200, 10769), (211, 10808), (220, 10835), (237, 10892), (240, 10907), (247, 10931), (257, 10961),

Gene: LilJank_21 Start: 12209, Stop: 12868, Start Num: 48
Candidate Starts for LilJank_21:
(Start: 48 @12209 has 14 MA's), (78, 12257), (79, 12260), (107, 12320), (117, 12350), (146, 12449), (151, 12467), (156, 12485), (169, 12527), (174, 12545), (176, 12551), (221, 12668), (229, 12695), (236, 12725), (241, 12746), (243, 12755), (259, 12797), (261, 12803),

Gene: LilMoolah_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for LilMoolah_11:
(Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (187, 8057), (189, 8063), (232, 8225), (250, 8297), (257, 8318), (278, 8369), (279, 8375),

Gene: LilPharaoh_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for LilPharaoh_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: Lilbit_44 Start: 19044, Stop: 19709, Start Num: 50
Candidate Starts for Lilbit_44:
(Start: 50 @19044 has 270 MA's), (88, 19110), (129, 19203), (133, 19230), (155, 19314), (179, 19386), (229, 19533), (231, 19539), (237, 19566), (239, 19578),

Gene: LilhomieP_22 Start: 12816, Stop: 13715, Start Num: 50
Candidate Starts for LilhomieP_22:
(Start: 50 @12816 has 270 MA's), (98, 12897), (117, 12951), (119, 12957), (156, 13086), (168, 13125), (196, 13191), (212, 13245), (215, 13260), (227, 13293), (240, 13350), (243, 13362), (283, 13470), (291, 13512), (296, 13536), (303, 13584), (313, 13659), (320, 13692),

Gene: LindNT_18 Start: 10468, Stop: 11082, Start Num: 55
Candidate Starts for LindNT_18:
(Start: 55 @10468 has 220 MA's), (81, 10513), (131, 10636), (143, 10690), (158, 10747), (164, 10762), (198, 10846), (200, 10852), (211, 10891), (214, 10903), (237, 10975), (240, 10990), (247, 11014), (270, 11071),

Gene: LitninMcQueen_13 Start: 7501, Stop: 8073, Start Num: 73
Candidate Starts for LitninMcQueen_13:
(Start: 73 @7501 has 55 MA's), (81, 7522), (92, 7543), (102, 7555), (150, 7714), (163, 7756), (172, 7789), (241, 7978), (273, 8062),

Gene: LittleLaf_45 Start: 18773, Stop: 19438, Start Num: 50
Candidate Starts for LittleLaf_45:
(Start: 50 @18773 has 270 MA's), (88, 18839), (129, 18932), (133, 18959), (155, 19043), (179, 19115), (229, 19262), (231, 19268), (237, 19295), (239, 19307),

Gene: LittleShirley_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for LittleShirley_12:
(Start: 29 @7463 has 269 MA's), (31, 7475), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: LiyuLake_14 Start: 9127, Stop: 10029, Start Num: 50
Candidate Starts for LiyuLake_14:
(Start: 50 @9127 has 270 MA's), (88, 9193), (161, 9415), (168, 9436), (186, 9475), (202, 9517), (227, 9598), (229, 9607), (253, 9694), (259, 9709), (277, 9748), (301, 9892), (310, 9943),

Gene: Lizziana_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for Lizziana_11:
(Start: 16 @7538 has 10 MA's), (19, 7553), (Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (187, 8057), (189, 8063), (197, 8087), (232, 8225), (250, 8297), (257, 8318), (272, 8351), (278, 8369), (279, 8375),

Gene: Llama_11 Start: 7607, Stop: 8416, Start Num: 29
Candidate Starts for Llama_11:
(Start: 20 @7550 has 2 MA's), (Start: 29 @7607 has 269 MA's), (31, 7619), (72, 7697), (85, 7733), (99, 7757), (102, 7763), (122, 7826), (148, 7937), (149, 7940), (150, 7943), (151, 7946), (158, 7976), (166, 7997), (168, 8006), (187, 8054), (189, 8060), (197, 8084), (232, 8222), (250, 8294), (257, 8315), (278, 8366), (279, 8372),

Gene: Llij_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for Llij_11:
(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (189, 8079), (198, 8106), (232, 8241), (250, 8313), (257, 8334), (278, 8385), (279, 8391),

Gene: Llorens_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Llorens_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Loadrie_13 Start: 9035, Stop: 9934, Start Num: 50
Candidate Starts for Loadrie_13:
(Start: 50 @9035 has 270 MA's), (88, 9098), (100, 9119), (129, 9188), (161, 9320), (168, 9341), (202, 9422), (227, 9503), (229, 9512), (255, 9602), (259, 9614), (277, 9653), (289, 9716), (291, 9722), (302, 9803), (310, 9848), (312, 9872), (321, 9917),

Gene: Lollipop1437_40 Start: 23011, Stop: 23694, Start Num: 50
Candidate Starts for Lollipop1437_40:
(Start: 50 @23011 has 270 MA's), (134, 23212), (171, 23344), (183, 23371), (209, 23443), (227, 23500), (243, 23569), (264, 23620), (278, 23659),

Gene: Lolly9_14 Start: 9130, Stop: 10029, Start Num: 50
Candidate Starts for Lolly9_14:
(Start: 50 @9130 has 270 MA's), (88, 9196), (161, 9418), (168, 9439), (202, 9520), (227, 9601), (229, 9610), (259, 9712), (277, 9751), (289, 9814), (300, 9892), (301, 9895), (310, 9946), (312, 9970), (321, 10015),

Gene: LongHai_16 Start: 9646, Stop: 10287, Start Num: 63
Candidate Starts for LongHai_16:
(45, 9613), (Start: 63 @9646 has 4 MA's), (78, 9679), (81, 9688), (90, 9706), (115, 9772), (131, 9811), (133, 9826), (163, 9931), (168, 9952), (178, 9982), (198, 10021), (211, 10066), (237, 10150), (242, 10171),

Gene: LordVader_12 Start: 7456, Stop: 8265, Start Num: 29
Candidate Starts for LordVader_12:
(Start: 20 @7399 has 2 MA's), (Start: 29 @7456 has 269 MA's), (31, 7468), (72, 7546), (85, 7582), (99, 7606), (102, 7612), (122, 7675), (149, 7789), (150, 7792), (151, 7795), (158, 7825), (166, 7846), (168, 7855), (189, 7909), (198, 7936), (232, 8071), (250, 8143), (257, 8164), (278, 8215), (279, 8221),

Gene: Lorde_12 Start: 7462, Stop: 8271, Start Num: 29
Candidate Starts for Lorde_12:
(Start: 16 @7390 has 10 MA's), (Start: 20 @7405 has 2 MA's), (Start: 29 @7462 has 269 MA's), (31, 7474), (67, 7543), (72, 7552), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (148, 7792), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (189, 7915), (250, 8149), (257, 8170), (278, 8221), (279, 8227),

Gene: LouisV14_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for LouisV14_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Lozinak_42 Start: 17914, Stop: 18579, Start Num: 50
Candidate Starts for Lozinak_42:
(Start: 50 @17914 has 270 MA's), (100, 18004), (213, 18361), (259, 18514),

Gene: Lucia_12 Start: 7391, Stop: 8272, Start Num: 16

Candidate Starts for Lucia_12:
(Start: 16 @7391 has 10 MA's), (Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (198, 7943), (232, 8078), (250, 8150), (257, 8171), (272, 8204), (278, 8222), (279, 8228),

Gene: Lucky10_12 Start: 7042, Stop: 7632, Start Num: 73
Candidate Starts for Lucky10_12:
(Start: 73 @7042 has 55 MA's), (83, 7063), (115, 7132), (151, 7261), (168, 7321), (200, 7396), (226, 7474), (242, 7540),

Gene: Lumos_14 Start: 9123, Stop: 10025, Start Num: 50
Candidate Starts for Lumos_14:
(Start: 50 @9123 has 270 MA's), (88, 9189), (161, 9411), (168, 9432), (202, 9513), (227, 9594), (229, 9603), (253, 9690), (259, 9705), (277, 9744), (293, 9837), (301, 9888), (310, 9939),

Gene: LunaBlu_11 Start: 7606, Stop: 8415, Start Num: 29
Candidate Starts for LunaBlu_11:
(Start: 29 @7606 has 269 MA's), (31, 7618), (67, 7687), (72, 7696), (85, 7732), (99, 7756), (102, 7762), (122, 7825), (148, 7936), (149, 7939), (150, 7942), (151, 7945), (158, 7975), (166, 7996), (168, 8005), (189, 8059), (250, 8293), (257, 8314), (278, 8365), (279, 8371),

Gene: LunaStella_12 Start: 8033, Stop: 8845, Start Num: 29
Candidate Starts for LunaStella_12:
(Start: 29 @8033 has 269 MA's), (72, 8123), (85, 8159), (144, 8348), (148, 8363), (149, 8366), (170, 8438), (198, 8513), (227, 8630), (232, 8648), (257, 8741), (270, 8768), (284, 8825),

Gene: Lunahalos_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Lunahalos_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Lutum_13 Start: 7514, Stop: 8086, Start Num: 73
Candidate Starts for Lutum_13:
(Start: 73 @7514 has 55 MA's), (81, 7535), (92, 7556), (102, 7568), (150, 7727), (163, 7769), (172, 7802), (241, 7991), (273, 8075),

Gene: Lynnae_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Lynnae_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Lysidious_14 Start: 8679, Stop: 9317, Start Num: 74
Candidate Starts for Lysidious_14:
(Start: 73 @8676 has 55 MA's), (Start: 74 @8679 has 41 MA's), (111, 8769), (114, 8784), (133, 8850), (156, 8937), (180, 9012), (191, 9036), (211, 9084), (231, 9141), (239, 9180), (269, 9264), (280, 9300),

Gene: MAckerman_13 Start: 8989, Stop: 9891, Start Num: 50
Candidate Starts for MAckerman_13:
(Start: 50 @8989 has 270 MA's), (88, 9055), (91, 9061), (129, 9145), (168, 9298), (172, 9310), (202, 9379), (213, 9418), (223, 9448), (229, 9469), (289, 9673), (295, 9712), (310, 9805), (312, 9829), (321,

9874),

Gene: MEAK_11 Start: 7162, Stop: 7782, Start Num: 75
Candidate Starts for MEAK_11:
(Start: 69 @7150 has 12 MA's), (Start: 74 @7159 has 41 MA's), (Start: 75 @7162 has 42 MA's), (117, 7255), (141, 7342), (161, 7414), (205, 7519), (212, 7534), (239, 7627), (243, 7642), (245, 7648), (260, 7690), (268, 7708),

Gene: MOOREtheMARYer_13 Start: 10071, Stop: 10694, Start Num: 55
Candidate Starts for MOOREtheMARYer_13:
(Start: 55 @10071 has 220 MA's), (72, 10098), (95, 10149), (114, 10206), (131, 10248), (133, 10263), (158, 10359), (164, 10374), (171, 10398), (178, 10419), (198, 10458), (204, 10482), (220, 10530), (229, 10554), (231, 10560), (240, 10602),

Gene: MZKinsey_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for MZKinsey_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: MacGully_43 Start: 23224, Stop: 23904, Start Num: 50
Candidate Starts for MacGully_43:
(Start: 50 @23224 has 270 MA's), (76, 23263), (97, 23305), (141, 23449), (171, 23551), (174, 23563), (183, 23578), (209, 23650), (227, 23707), (236, 23746), (243, 23776), (249, 23794), (253, 23803), (259, 23818), (278, 23866), (282, 23878),

Gene: MacKat_18 Start: 10521, Stop: 11132, Start Num: 55
Candidate Starts for MacKat_18:
(Start: 55 @10521 has 220 MA's), (81, 10563), (131, 10686), (143, 10740), (158, 10797), (164, 10812), (198, 10896), (200, 10902), (211, 10941), (226, 10980), (237, 11025), (240, 11040), (247, 11064), (270, 11121),

Gene: MacnCheese_18 Start: 10792, Stop: 11403, Start Num: 51
Candidate Starts for MacnCheese_18:
(Start: 51 @10792 has 9 MA's), (81, 10837), (143, 11014), (158, 11071), (164, 11086), (178, 11131), (198, 11170), (200, 11176), (201, 11179), (211, 11215), (214, 11227), (220, 11242), (240, 11314), (247, 11338),

Gene: Maco6_13 Start: 8602, Stop: 9243, Start Num: 63
Candidate Starts for Maco6_13:
(45, 8569), (Start: 63 @8602 has 4 MA's), (78, 8635), (81, 8644), (90, 8662), (115, 8728), (131, 8767), (133, 8782), (163, 8887), (168, 8908), (178, 8938), (198, 8977), (211, 9022), (237, 9106), (242, 9127),

Gene: MadKillah_48 Start: 23795, Stop: 24610, Start Num: 29
Candidate Starts for MadKillah_48:
(Start: 29 @23795 has 269 MA's), (67, 23876), (122, 24017), (127, 24032), (149, 24131), (154, 24149), (173, 24212), (177, 24224), (184, 24239), (219, 24356), (249, 24482),

Gene: MadMen_11 Start: 7624, Stop: 8433, Start Num: 29
Candidate Starts for MadMen_11:
(Start: 16 @7552 has 10 MA's), (Start: 20 @7567 has 2 MA's), (Start: 29 @7624 has 269 MA's), (31, 7636), (72, 7714), (85, 7750), (99, 7774), (102, 7780), (122, 7843), (149, 7957), (150, 7960), (151, 7963), (158, 7993), (166, 8014), (168, 8023), (189, 8077), (198, 8104), (232, 8239), (250, 8311), (257,

8332), (278, 8383), (279, 8389),

Gene: Madiba_12 Start: 7457, Stop: 8266, Start Num: 29
Candidate Starts for Madiba_12:
(Start: 29 @7457 has 269 MA's), (31, 7469), (85, 7583), (99, 7607), (102, 7613), (122, 7676), (149, 7790), (150, 7793), (151, 7796), (158, 7826), (166, 7847), (168, 7856), (189, 7910), (232, 8072), (250, 8144), (257, 8165), (278, 8216), (279, 8222),

Gene: Mahavrat_11 Start: 7598, Stop: 8407, Start Num: 29
Candidate Starts for Mahavrat_11:
(Start: 20 @7541 has 2 MA's), (Start: 29 @7598 has 269 MA's), (31, 7610), (72, 7688), (85, 7724), (99, 7748), (102, 7754), (122, 7817), (149, 7931), (150, 7934), (151, 7937), (158, 7967), (166, 7988), (168, 7997), (189, 8051), (197, 8075), (232, 8213), (250, 8285), (257, 8306), (278, 8357), (279, 8363),

Gene: Maja_12 Start: 8474, Stop: 9121, Start Num: 50
Candidate Starts for Maja_12:
(Start: 50 @8474 has 270 MA's), (Start: 51 @8477 has 9 MA's), (83, 8534), (97, 8555), (107, 8585), (129, 8630), (161, 8762), (169, 8786), (203, 8870), (278, 9098),

Gene: Makima_15 Start: 9530, Stop: 10108, Start Num: 73
Candidate Starts for Makima_15:
(Start: 73 @9530 has 55 MA's),

Gene: Malachai_14 Start: 8682, Stop: 9320, Start Num: 74
Candidate Starts for Malachai_14:
(Start: 73 @8679 has 55 MA's), (Start: 74 @8682 has 41 MA's), (111, 8772), (114, 8787), (133, 8853), (180, 9015), (191, 9039), (211, 9087), (231, 9144), (239, 9183), (269, 9267), (280, 9303),

Gene: MalagasyRose_19 Start: 10934, Stop: 11524, Start Num: 73
Candidate Starts for MalagasyRose_19:
(Start: 73 @10934 has 55 MA's), (78, 10949), (95, 10982), (112, 11027), (178, 11249), (207, 11321), (223, 11366), (228, 11384), (244, 11450), (245, 11453),

Gene: Maliketh_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Maliketh_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Malisha_13 Start: 8564, Stop: 9133, Start Num: 73
Candidate Starts for Malisha_13:
(Start: 73 @8564 has 55 MA's), (81, 8585), (92, 8606), (102, 8618), (150, 8777), (163, 8819), (172, 8852), (217, 8960), (241, 9041),

Gene: Malthus_19 Start: 11636, Stop: 12247, Start Num: 57
Candidate Starts for Malthus_19:
(Start: 57 @11636 has 46 MA's), (96, 11702), (98, 11708), (114, 11756), (133, 11813), (135, 11819), (140, 11840), (143, 11852), (158, 11909), (164, 11924), (198, 12008), (200, 12014), (211, 12053), (214, 12065), (220, 12080), (240, 12152), (247, 12176), (257, 12206),

Gene: Mandlovu_11 Start: 7599, Stop: 8408, Start Num: 29
Candidate Starts for Mandlovu_11:

(Start: 20 @7542 has 2 MA's), (Start: 29 @7599 has 269 MA's), (31, 7611), (72, 7689), (85, 7725), (99, 7749), (102, 7755), (122, 7818), (148, 7929), (149, 7932), (150, 7935), (151, 7938), (158, 7968), (166, 7989), (168, 7998), (187, 8046), (189, 8052), (197, 8076), (198, 8079), (232, 8214), (250, 8286), (257, 8307), (272, 8340), (278, 8358), (279, 8364),

Gene: Mantra_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for Mantra_11:
(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (187, 8073), (189, 8079), (198, 8106), (232, 8241), (250, 8313), (251, 8316), (257, 8334), (278, 8385), (279, 8391),

Gene: Maravista_11 Start: 7598, Stop: 8407, Start Num: 29
Candidate Starts for Maravista_11:
(Start: 16 @7526 has 10 MA's), (19, 7541), (Start: 29 @7598 has 269 MA's), (31, 7610), (72, 7688), (85, 7724), (99, 7748), (102, 7754), (122, 7817), (149, 7931), (150, 7934), (151, 7937), (158, 7967), (166, 7988), (168, 7997), (187, 8045), (189, 8051), (197, 8075), (232, 8213), (250, 8285), (257, 8306), (272, 8339), (278, 8357), (279, 8363),

Gene: Marcoliusprime_14 Start: 8532, Stop: 9146, Start Num: 50
Candidate Starts for Marcoliusprime_14:
(Start: 50 @8532 has 270 MA's), (78, 8571), (81, 8580), (158, 8814), (164, 8829), (168, 8844), (178, 8874), (198, 8913), (200, 8919), (210, 8955), (214, 8970), (226, 8997), (237, 9042), (240, 9057), (247, 9081),

Gene: MargaretKali_13 Start: 8484, Stop: 9134, Start Num: 50
Candidate Starts for MargaretKali_13:
(Start: 50 @8484 has 270 MA's), (118, 8613), (121, 8619), (130, 8646), (157, 8760), (161, 8772), (169, 8796), (176, 8820), (183, 8829), (223, 8943), (240, 9012), (245, 9030), (270, 9093), (278, 9108),

Gene: Marietta_37 Start: 19554, Stop: 20234, Start Num: 50
Candidate Starts for Marietta_37:
(12, 19380), (Start: 50 @19554 has 270 MA's), (133, 19752), (171, 19887), (209, 19986), (221, 20025), (227, 20043), (241, 20103), (243, 20112), (264, 20163), (278, 20202), (282, 20214),

Gene: MarkPhew_18 Start: 9393, Stop: 10004, Start Num: 55
Candidate Starts for MarkPhew_18:
(Start: 55 @9393 has 220 MA's), (81, 9435), (133, 9573), (158, 9669), (164, 9684), (178, 9729), (198, 9768), (200, 9774), (240, 9912), (247, 9936), (257, 9966), (268, 9987),

Gene: Marker_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for Marker_12:
(19, 7403), (Start: 29 @7460 has 269 MA's), (31, 7472), (72, 7550), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (148, 7790), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (187, 7907), (189, 7913), (198, 7940), (216, 8009), (232, 8075), (250, 8147), (257, 8168), (278, 8219), (279, 8225),

Gene: Marmie_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Marmie_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Marshawn_19 Start: 10081, Stop: 10695, Start Num: 57

Candidate Starts for Marshawn_19:
(Start: 57 @10081 has 46 MA's), (Start: 74 @10105 has 41 MA's), (81, 10126), (131, 10249), (135, 10270), (158, 10360), (164, 10375), (198, 10459), (200, 10465), (211, 10504), (214, 10516), (226, 10543), (237, 10588), (240, 10603), (247, 10627),

Gene: Martik_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for Martik_11:
(Start: 16 @7538 has 10 MA's), (19, 7553), (Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (187, 8057), (189, 8063), (197, 8087), (232, 8225), (250, 8297), (257, 8318), (272, 8351), (278, 8369), (279, 8375),

Gene: Marvin_43 Start: 19043, Stop: 19708, Start Num: 50
Candidate Starts for Marvin_43:
(Start: 50 @19043 has 270 MA's), (88, 19109), (129, 19202), (133, 19229), (155, 19313), (179, 19385), (229, 19532), (231, 19538), (237, 19565), (239, 19577),

Gene: MaryV_35 Start: 15860, Stop: 16771, Start Num: 50
Candidate Starts for MaryV_35:
(Start: 50 @15860 has 270 MA's), (76, 15899), (88, 15926), (89, 15929), (98, 15941), (103, 15956), (168, 16169), (196, 16235), (198, 16241), (234, 16370), (243, 16406), (281, 16505), (285, 16526), (296, 16580), (297, 16583), (306, 16643), (309, 16667), (310, 16670), (311, 16679), (315, 16706), (319, 16736), (320, 16748),

Gene: Maselop_39 Start: 23248, Stop: 23916, Start Num: 50
Candidate Starts for Maselop_39:
(Start: 50 @23248 has 270 MA's), (97, 23329), (116, 23386), (141, 23470), (171, 23572), (174, 23584), (209, 23671), (227, 23728), (243, 23797), (245, 23803), (249, 23815), (277, 23881), (278, 23887),

Gene: Mattes_11 Start: 7601, Stop: 8410, Start Num: 29
Candidate Starts for Mattes_11:
(Start: 20 @7544 has 2 MA's), (Start: 29 @7601 has 269 MA's), (31, 7613), (72, 7691), (85, 7727), (99, 7751), (102, 7757), (122, 7820), (149, 7934), (150, 7937), (151, 7940), (158, 7970), (166, 7991), (168, 8000), (187, 8048), (189, 8054), (197, 8078), (232, 8216), (250, 8288), (257, 8309), (272, 8342), (278, 8360), (279, 8366),

Gene: McMater_18 Start: 9573, Stop: 10184, Start Num: 57
Candidate Starts for McMater_18:
(Start: 57 @9573 has 46 MA's), (81, 9615), (133, 9753), (143, 9792), (158, 9849), (164, 9864), (178, 9909), (198, 9948), (200, 9954), (201, 9957), (214, 10005), (220, 10020), (237, 10077),

Gene: Mdavu_14 Start: 9765, Stop: 10376, Start Num: 55
Candidate Starts for Mdavu_14:
(Start: 55 @9765 has 220 MA's), (Start: 74 @9786 has 41 MA's), (81, 9807), (131, 9930), (133, 9945), (143, 9984), (158, 10041), (164, 10056), (178, 10101), (198, 10140), (200, 10146), (211, 10185), (214, 10197), (237, 10269), (240, 10284), (247, 10308), (257, 10338),

Gene: MeaningOfLife_18 Start: 10477, Stop: 11091, Start Num: 55
Candidate Starts for MeaningOfLife_18:
(Start: 55 @10477 has 220 MA's), (81, 10522), (131, 10645), (143, 10699), (158, 10756), (164, 10771), (198, 10855), (200, 10861), (211, 10900), (214, 10912), (226, 10939), (237, 10984), (240, 10999), (247, 11023), (270, 11080),

Gene: Medindi_11 Start: 7620, Stop: 8429, Start Num: 29
Candidate Starts for Medindi_11:
(Start: 17 @7548 has 1 MA's), (Start: 29 @7620 has 269 MA's), (31, 7632), (67, 7701), (72, 7710), (85, 7746), (99, 7770), (102, 7776), (122, 7839), (145, 7938), (149, 7953), (150, 7956), (158, 7989), (166, 8010), (168, 8019), (189, 8073), (232, 8235), (250, 8307), (257, 8328), (278, 8379), (279, 8385),

Gene: Megsy_18 Start: 10471, Stop: 11085, Start Num: 55
Candidate Starts for Megsy_18:
(Start: 55 @10471 has 220 MA's), (81, 10516), (131, 10639), (143, 10693), (158, 10750), (164, 10765), (198, 10849), (200, 10855), (211, 10894), (214, 10906), (226, 10933), (237, 10978), (240, 10993), (247, 11017), (270, 11074),

Gene: Melba_14 Start: 8679, Stop: 9317, Start Num: 74
Candidate Starts for Melba_14:
(Start: 73 @8676 has 55 MA's), (Start: 74 @8679 has 41 MA's), (111, 8769), (114, 8784), (156, 8937), (180, 9012), (191, 9036), (211, 9084), (231, 9141), (239, 9180), (269, 9264), (280, 9300),

Gene: Melissauren88_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Melissauren88_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Mellie_13 Start: 8419, Stop: 9057, Start Num: 74
Candidate Starts for Mellie_13:
(Start: 73 @8416 has 55 MA's), (Start: 74 @8419 has 41 MA's), (111, 8509), (114, 8524), (133, 8590), (156, 8677), (180, 8752), (191, 8776), (211, 8824), (231, 8881), (239, 8920), (269, 9004), (280, 9040),

Gene: Mendokysei_13 Start: 9859, Stop: 10791, Start Num: 49
Candidate Starts for Mendokysei_13:
(Start: 49 @9859 has 1 MA's), (61, 9874), (62, 9877), (127, 10024), (183, 10222), (210, 10297), (231, 10366), (236, 10390), (243, 10420), (254, 10450), (266, 10477), (290, 10573), (292, 10585), (306, 10675), (308, 10684), (310, 10702),

Gene: MerCougar_36 Start: 22307, Stop: 22990, Start Num: 50
Candidate Starts for MerCougar_36:
(Start: 50 @22307 has 270 MA's), (134, 22508), (171, 22640), (209, 22739), (212, 22748), (227, 22796), (243, 22865), (278, 22955),

Gene: Mercurio_14 Start: 9826, Stop: 10446, Start Num: 55
Candidate Starts for Mercurio_14:
(Start: 55 @9826 has 220 MA's), (95, 9901), (114, 9958), (133, 10015), (158, 10111), (164, 10126), (168, 10141), (178, 10171), (198, 10210), (204, 10234), (211, 10255), (220, 10282), (229, 10306), (231, 10312), (240, 10354), (257, 10408),

Gene: Merpity_13 Start: 7019, Stop: 7681, Start Num: 50
Candidate Starts for Merpity_13:
(Start: 50 @7019 has 270 MA's), (85, 7088), (97, 7106), (99, 7112), (141, 7241), (157, 7301), (168, 7337), (183, 7373), (190, 7385), (203, 7424), (229, 7508),

Gene: MilanaBonita_12 Start: 8280, Stop: 9089, Start Num: 29
Candidate Starts for MilanaBonita_12:

(Start: 29 @8280 has 269 MA's), (31, 8292), (67, 8361), (72, 8370), (85, 8406), (99, 8430), (102, 8436), (122, 8499), (145, 8598), (149, 8613), (150, 8616), (151, 8619), (158, 8649), (166, 8670), (168, 8679), (189, 8733), (232, 8895), (250, 8967), (257, 8988), (278, 9039), (279, 9045),

Gene: Miley16_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Miley16_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: MilleniumForce_12 Start: 8279, Stop: 9088, Start Num: 29
Candidate Starts for MilleniumForce_12:
(Start: 17 @8207 has 1 MA's), (Start: 29 @8279 has 269 MA's), (31, 8291), (67, 8360), (72, 8369), (85, 8405), (99, 8429), (102, 8435), (122, 8498), (148, 8609), (149, 8612), (150, 8615), (151, 8618), (158, 8648), (166, 8669), (168, 8678), (189, 8732), (232, 8894), (250, 8966), (257, 8987), (278, 9038), (279, 9044),

Gene: Milly_14 Start: 8532, Stop: 9146, Start Num: 50
Candidate Starts for Milly_14:
(Start: 50 @8532 has 270 MA's), (78, 8571), (81, 8580), (158, 8814), (164, 8829), (168, 8844), (178, 8874), (198, 8913), (200, 8919), (210, 8955), (214, 8970), (226, 8997), (237, 9042), (240, 9057), (247, 9081),

Gene: MillySue_16 Start: 9251, Stop: 9919, Start Num: 50
Candidate Starts for MillySue_16:
(Start: 50 @9251 has 270 MA's), (116, 9386), (141, 9473), (158, 9539), (203, 9659), (259, 9845),

Gene: MiniLon_14 Start: 9130, Stop: 10029, Start Num: 50
Candidate Starts for MiniLon_14:
(Start: 50 @9130 has 270 MA's), (88, 9196), (161, 9418), (168, 9439), (202, 9520), (227, 9601), (229, 9610), (259, 9712), (277, 9751), (289, 9814), (300, 9892), (301, 9895), (310, 9946), (312, 9970), (321, 10015),

Gene: MiniMac_14 Start: 9131, Stop: 10030, Start Num: 50
Candidate Starts for MiniMac_14:
(Start: 50 @9131 has 270 MA's), (88, 9197), (161, 9419), (168, 9440), (202, 9521), (227, 9602), (229, 9611), (259, 9713), (277, 9752), (289, 9815), (300, 9893), (301, 9896), (310, 9947), (312, 9971), (321, 10016),

Gene: MinionDave_12 Start: 8280, Stop: 9089, Start Num: 29
Candidate Starts for MinionDave_12:
(Start: 29 @8280 has 269 MA's), (31, 8292), (67, 8361), (72, 8370), (99, 8430), (102, 8436), (122, 8499), (149, 8613), (150, 8616), (151, 8619), (158, 8649), (166, 8670), (168, 8679), (189, 8733), (250, 8967), (257, 8988), (278, 9039), (279, 9045),

Gene: Minnie_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for Minnie_11:
(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (189, 8079), (198, 8106), (232, 8241), (257, 8334), (278, 8385), (279, 8391),

Gene: MintFen_14 Start: 8679, Stop: 9317, Start Num: 74
Candidate Starts for MintFen_14:

(Start: 73 @8676 has 55 MA's), (Start: 74 @8679 has 41 MA's), (111, 8769), (114, 8784), (156, 8937), (180, 9012), (191, 9036), (211, 9084), (231, 9141), (239, 9180), (269, 9264), (280, 9300),

Gene: Mireles_14 Start: 7926, Stop: 8504, Start Num: 73
Candidate Starts for Mireles_14:
(Start: 73 @7926 has 55 MA's), (82, 7953), (165, 8193), (223, 8349), (227, 8361),

Gene: Miryou_16 Start: 10508, Stop: 11119, Start Num: 55
Candidate Starts for Miryou_16:
(Start: 55 @10508 has 220 MA's), (81, 10553), (143, 10730), (158, 10787), (164, 10802), (168, 10817), (198, 10886), (200, 10892), (211, 10931), (214, 10943), (220, 10958), (233, 10997), (237, 11015), (240, 11030), (247, 11054), (257, 11084),

Gene: Misha28_12 Start: 7464, Stop: 8273, Start Num: 29
Candidate Starts for Misha28_12:
(Start: 20 @7407 has 2 MA's), (Start: 29 @7464 has 269 MA's), (31, 7476), (72, 7554), (85, 7590), (99, 7614), (102, 7620), (122, 7683), (149, 7797), (150, 7800), (151, 7803), (158, 7833), (166, 7854), (168, 7863), (189, 7917), (198, 7944), (232, 8079), (250, 8151), (257, 8172), (278, 8223), (279, 8229),

Gene: Miskis_40 Start: 17677, Stop: 18342, Start Num: 50
Candidate Starts for Miskis_40:
(Start: 50 @17677 has 270 MA's), (100, 17767), (213, 18124),

Gene: MissDaisy_19 Start: 11490, Stop: 12101, Start Num: 57
Candidate Starts for MissDaisy_19:
(Start: 57 @11490 has 46 MA's), (96, 11556), (98, 11562), (102, 11571), (114, 11610), (133, 11667), (135, 11673), (140, 11694), (143, 11706), (158, 11763), (164, 11778), (198, 11862), (200, 11868), (210, 11904), (211, 11907), (214, 11919), (220, 11934), (237, 11991), (240, 12006), (247, 12030), (257, 12060),

Gene: MissRona_16 Start: 9023, Stop: 9661, Start Num: 74
Candidate Starts for MissRona_16:
(Start: 73 @9020 has 55 MA's), (Start: 74 @9023 has 41 MA's), (111, 9113), (114, 9128), (133, 9194), (142, 9230), (156, 9281), (180, 9356), (191, 9380), (211, 9428), (231, 9485), (239, 9524), (269, 9608), (280, 9644),

Gene: MisterCuddles_11 Start: 7614, Stop: 8423, Start Num: 29
Candidate Starts for MisterCuddles_11:
(Start: 20 @7557 has 2 MA's), (Start: 29 @7614 has 269 MA's), (31, 7626), (72, 7704), (85, 7740), (99, 7764), (102, 7770), (122, 7833), (149, 7947), (150, 7950), (151, 7953), (158, 7983), (166, 8004), (168, 8013), (189, 8067), (197, 8091), (198, 8094), (232, 8229), (250, 8301), (257, 8322), (272, 8355), (278, 8373), (279, 8379),

Gene: Mitti_19 Start: 11640, Stop: 12251, Start Num: 57
Candidate Starts for Mitti_19:
(Start: 57 @11640 has 46 MA's), (96, 11706), (98, 11712), (114, 11760), (133, 11817), (135, 11823), (140, 11844), (143, 11856), (158, 11913), (164, 11928), (198, 12012), (200, 12018), (211, 12057), (214, 12069), (220, 12084), (237, 12141), (240, 12156), (247, 12180), (257, 12210),

Gene: MkaliMitinis3_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for MkaliMitinis3_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302,

9770), (310, 9815), (321, 9884),

Gene: ModicumRichard_13 Start: 8905, Stop: 9573, Start Num: 48
Candidate Starts for ModicumRichard_13:
(Start: 48 @8905 has 14 MA's), (202, 9307), (227, 9388), (240, 9445), (270, 9526), (278, 9547),

Gene: Modragons_11 Start: 7607, Stop: 8416, Start Num: 29
Candidate Starts for Modragons_11:
(Start: 20 @7550 has 2 MA's), (Start: 29 @7607 has 269 MA's), (31, 7619), (72, 7697), (85, 7733), (99, 7757), (102, 7763), (122, 7826), (148, 7937), (149, 7940), (150, 7943), (151, 7946), (158, 7976), (166, 7997), (168, 8006), (187, 8054), (189, 8060), (197, 8084), (232, 8222), (250, 8294), (257, 8315), (278, 8366), (279, 8372),

Gene: Molivier_13 Start: 9008, Stop: 9907, Start Num: 50
Candidate Starts for Molivier_13:
(Start: 50 @9008 has 270 MA's), (88, 9071), (100, 9092), (129, 9161), (161, 9293), (168, 9314), (202, 9395), (227, 9476), (229, 9485), (255, 9575), (259, 9587), (277, 9626), (289, 9689), (291, 9695), (302, 9776), (310, 9821), (321, 9890),

Gene: Mollymur_25 Start: 16148, Stop: 16804, Start Num: 50
Candidate Starts for Mollymur_25:
(Start: 50 @16148 has 270 MA's), (81, 16202), (88, 16214), (131, 16313), (196, 16520), (204, 16550), (205, 16553),

Gene: MooMoo_11 Start: 7161, Stop: 7961, Start Num: 29
Candidate Starts for MooMoo_11:
(Start: 22 @7110 has 1 MA's), (Start: 29 @7161 has 269 MA's), (72, 7257), (113, 7353), (123, 7392), (149, 7497), (182, 7602), (209, 7683), (210, 7686), (214, 7701), (227, 7761), (246, 7836), (257, 7869), (263, 7875), (265, 7878),

Gene: Moonbeam_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for Moonbeam_11:
(Start: 29 @7611 has 269 MA's), (31, 7623), (72, 7701), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (148, 7941), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (189, 8064), (232, 8226), (250, 8298), (257, 8319), (278, 8370), (279, 8376),

Gene: Moostard_14 Start: 9119, Stop: 10021, Start Num: 50
Candidate Starts for Moostard_14:
(Start: 50 @9119 has 270 MA's), (88, 9185), (161, 9407), (168, 9428), (202, 9509), (227, 9590), (229, 9599), (253, 9686), (259, 9701), (277, 9740), (293, 9833), (301, 9884), (310, 9935),

Gene: Morgana_13 Start: 8909, Stop: 9580, Start Num: 48
Candidate Starts for Morgana_13:
(Start: 48 @8909 has 14 MA's), (202, 9311), (227, 9392), (240, 9449), (270, 9530), (278, 9551),

Gene: Mori_46 Start: 23444, Stop: 24259, Start Num: 29
Candidate Starts for Mori_46:
(Start: 29 @23444 has 269 MA's), (67, 23525), (122, 23666), (127, 23681), (149, 23780), (154, 23798), (173, 23861), (177, 23873), (184, 23888), (219, 24005), (249, 24131),

Gene: Morkie_12 Start: 7004, Stop: 7594, Start Num: 73
Candidate Starts for Morkie_12:

(Start: 73 @7004 has 55 MA's), (83, 7025), (115, 7094), (151, 7223), (168, 7283), (200, 7358), (226, 7436), (231, 7454), (242, 7502),

Gene: Morrey_19 Start: 9148, Stop: 9810, Start Num: 50
Candidate Starts for Morrey_19:
(Start: 50 @9148 has 270 MA's), (83, 9214), (118, 9286), (130, 9319), (161, 9445), (169, 9469), (278, 9781),

Gene: MortyNRick_13 Start: 7836, Stop: 8429, Start Num: 73
Candidate Starts for MortyNRick_13:
(Start: 73 @7836 has 55 MA's), (83, 7857), (100, 7881), (148, 8049), (167, 8109), (168, 8115), (180, 8151), (181, 8154), (200, 8190),

Gene: MosMoris_43 Start: 18223, Stop: 18888, Start Num: 50
Candidate Starts for MosMoris_43:
(Start: 50 @18223 has 270 MA's), (88, 18289), (129, 18382), (133, 18409), (155, 18493), (179, 18565), (229, 18712), (231, 18718), (237, 18745), (239, 18757),

Gene: Mova_12 Start: 7464, Stop: 8273, Start Num: 29
Candidate Starts for Mova_12:
(Start: 16 @7392 has 10 MA's), (Start: 20 @7407 has 2 MA's), (Start: 29 @7464 has 269 MA's), (31, 7476), (85, 7590), (99, 7614), (102, 7620), (122, 7683), (148, 7794), (149, 7797), (150, 7800), (151, 7803), (158, 7833), (166, 7854), (168, 7863), (189, 7917), (198, 7944), (232, 8079), (250, 8151), (257, 8172), (278, 8223), (279, 8229),

Gene: Mowgli_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Mowgli_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Moyashi_11 Start: 7180, Stop: 7824, Start Num: 75
Candidate Starts for Moyashi_11:
(Start: 69 @7168 has 12 MA's), (Start: 74 @7177 has 41 MA's), (Start: 75 @7180 has 42 MA's), (117, 7273), (141, 7360), (151, 7396), (205, 7537), (212, 7552), (231, 7606), (239, 7645), (243, 7660), (245, 7666), (260, 7708), (268, 7726),

Gene: Mozy_12 Start: 7477, Stop: 8286, Start Num: 29
Candidate Starts for Mozy_12:
(Start: 29 @7477 has 269 MA's), (31, 7489), (67, 7558), (72, 7567), (85, 7603), (99, 7627), (102, 7633), (122, 7696), (149, 7810), (150, 7813), (158, 7846), (166, 7867), (168, 7876), (189, 7930), (198, 7957), (218, 8032), (250, 8164), (257, 8185), (278, 8236), (279, 8242),

Gene: MrAK_11 Start: 7192, Stop: 7836, Start Num: 75
Candidate Starts for MrAK_11:
(Start: 69 @7180 has 12 MA's), (Start: 74 @7189 has 41 MA's), (Start: 75 @7192 has 42 MA's), (117, 7285), (141, 7372), (151, 7408), (211, 7561), (212, 7564), (231, 7618), (239, 7657), (243, 7672), (245, 7678), (260, 7720), (268, 7738),

Gene: MrMagoo_27 Start: 13367, Stop: 14266, Start Num: 50
Candidate Starts for MrMagoo_27:
(Start: 50 @13367 has 270 MA's), (98, 13448), (116, 13499), (188, 13724), (196, 13742), (212, 13796), (215, 13811), (227, 13844), (243, 13913), (259, 13955), (296, 14087), (300, 14123), (303, 14135),

(308, 14162), (310, 14180), (313, 14210), (320, 14243),

Gene: MrSmee_12 Start: 7019, Stop: 7681, Start Num: 50
Candidate Starts for MrSmee_12:
(Start: 50 @7019 has 270 MA's), (85, 7088), (97, 7106), (99, 7112), (141, 7241), (157, 7301), (168, 7337), (183, 7373), (190, 7385), (203, 7424), (229, 7508),

Gene: Ms6_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Ms6_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (99, 7781), (102, 7787), (122, 7850), (149, 7964), (150, 7967), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: MsGreen_14 Start: 9123, Stop: 10025, Start Num: 50
Candidate Starts for MsGreen_14:
(Start: 50 @9123 has 270 MA's), (88, 9189), (161, 9411), (168, 9432), (202, 9513), (227, 9594), (229, 9603), (253, 9690), (259, 9705), (277, 9744), (293, 9837), (301, 9888), (310, 9939),

Gene: Muddy_15 Start: 9552, Stop: 10193, Start Num: 63
Candidate Starts for Muddy_15:
(45, 9519), (Start: 63 @9552 has 4 MA's), (78, 9585), (81, 9594), (90, 9612), (115, 9678), (131, 9717), (133, 9732), (163, 9837), (168, 9858), (178, 9888), (198, 9927), (211, 9972), (237, 10056), (242, 10077),

Gene: Mufasa_14 Start: 8522, Stop: 9145, Start Num: 47
Candidate Starts for Mufasa_14:
(27, 8456), (Start: 47 @8522 has 3 MA's), (78, 8570), (133, 8717), (158, 8813), (164, 8828), (168, 8843), (178, 8873), (198, 8912), (200, 8918), (201, 8921), (211, 8957), (214, 8969), (220, 8984), (237, 9041), (240, 9056), (247, 9080),

Gene: MulchExplorer_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for MulchExplorer_12:
(Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: MulchSalad_11 Start: 7612, Stop: 8421, Start Num: 29
Candidate Starts for MulchSalad_11:
(Start: 29 @7612 has 269 MA's), (31, 7624), (72, 7702), (85, 7738), (99, 7762), (102, 7768), (122, 7831), (149, 7945), (150, 7948), (151, 7951), (158, 7981), (166, 8002), (168, 8011), (189, 8065), (232, 8227), (250, 8299), (257, 8320), (278, 8371), (279, 8377),

Gene: Murai_47 Start: 23634, Stop: 24449, Start Num: 29
Candidate Starts for Murai_47:
(Start: 29 @23634 has 269 MA's), (67, 23715), (122, 23856), (127, 23871), (149, 23970), (154, 23988), (173, 24051), (177, 24063), (184, 24078), (219, 24195), (249, 24321),

Gene: Murp_14 Start: 8672, Stop: 9310, Start Num: 74
Candidate Starts for Murp_14:
(Start: 73 @8669 has 55 MA's), (Start: 74 @8672 has 41 MA's), (111, 8762), (114, 8777), (133, 8843), (142, 8879), (156, 8930), (180, 9005), (191, 9029), (231, 9134), (239, 9173), (269, 9257), (280, 9293),

Gene: Murucutumbu_18 Start: 10456, Stop: 11067, Start Num: 56

Candidate Starts for Murucutumbu_18:
(Start: 56 @10456 has 5 MA's), (81, 10498), (131, 10621), (143, 10675), (158, 10732), (164, 10747), (178, 10792), (198, 10831), (200, 10837), (211, 10876), (214, 10888), (226, 10915), (237, 10960), (240, 10975), (247, 10999),

Gene: Mutaforma13_11 Start: 7630, Stop: 8439, Start Num: 29
Candidate Starts for Mutaforma13_11:
(Start: 29 @7630 has 269 MA's), (31, 7642), (67, 7711), (72, 7720), (85, 7756), (99, 7780), (102, 7786), (122, 7849), (148, 7960), (149, 7963), (150, 7966), (151, 7969), (158, 7999), (166, 8020), (168, 8029), (189, 8083), (198, 8110), (250, 8317), (257, 8338), (278, 8389), (279, 8395),

Gene: Mwanjiwa_11 Start: 7583, Stop: 8392, Start Num: 29
Candidate Starts for Mwanjiwa_11:
(Start: 20 @7526 has 2 MA's), (Start: 29 @7583 has 269 MA's), (31, 7595), (72, 7673), (85, 7709), (99, 7733), (102, 7739), (122, 7802), (148, 7913), (149, 7916), (150, 7919), (151, 7922), (158, 7952), (166, 7973), (168, 7982), (189, 8036), (197, 8060), (232, 8198), (250, 8270), (257, 8291), (278, 8342), (279, 8348),

Gene: Mynx_18 Start: 10524, Stop: 11138, Start Num: 55
Candidate Starts for Mynx_18:
(Start: 55 @10524 has 220 MA's), (81, 10569), (131, 10692), (143, 10746), (158, 10803), (164, 10818), (198, 10902), (200, 10908), (211, 10947), (214, 10959), (226, 10986), (237, 11031), (240, 11046), (247, 11070), (270, 11127),

Gene: NadineRae_35 Start: 18802, Stop: 19482, Start Num: 50
Candidate Starts for NadineRae_35:
(Start: 50 @18802 has 270 MA's), (133, 18997), (155, 19081), (171, 19132), (209, 19231), (227, 19288), (243, 19357), (264, 19408), (278, 19447),

Gene: Nairb_14 Start: 9882, Stop: 10814, Start Num: 50
Candidate Starts for Nairb_14:
(Start: 50 @9882 has 270 MA's), (61, 9897), (113, 10002), (127, 10047), (183, 10245), (210, 10320), (231, 10389), (236, 10413), (273, 10524), (296, 10635), (298, 10653), (299, 10668), (308, 10707), (310, 10725), (316, 10764),

Gene: Nandita_16 Start: 9237, Stop: 9905, Start Num: 50
Candidate Starts for Nandita_16:
(Start: 50 @9237 has 270 MA's), (85, 9306), (141, 9459), (158, 9525), (203, 9645), (240, 9777), (259, 9831),

Gene: Nanosmite_27 Start: 13585, Stop: 14487, Start Num: 50
Candidate Starts for Nanosmite_27:
(Start: 50 @13585 has 270 MA's), (98, 13666), (103, 13681), (156, 13855), (168, 13894), (196, 13960), (212, 14014), (215, 14029), (227, 14062), (240, 14119), (243, 14131), (296, 14311), (303, 14359), (307, 14377), (309, 14398), (310, 14401), (311, 14410), (313, 14431), (315, 14437),

Gene: NatB6_35 Start: 21443, Stop: 22126, Start Num: 50
Candidate Starts for NatB6_35:
(Start: 50 @21443 has 270 MA's), (62, 21461), (107, 21554), (133, 21641), (134, 21644), (171, 21776), (209, 21875), (227, 21932), (243, 22001), (255, 22031), (264, 22052), (278, 22091),

Gene: Nebkiss_10 Start: 8074, Stop: 8661, Start Num: 73
Candidate Starts for Nebkiss_10:

(Start: 73 @8074 has 55 MA's), (112, 8155), (127, 8194), (137, 8236), (151, 8290), (161, 8326), (200, 8425), (208, 8455), (234, 8545), (245, 8587), (256, 8620),

Gene: Neighly_16 Start: 10367, Stop: 10978, Start Num: 55
Candidate Starts for Neighly_16:
(Start: 55 @10367 has 220 MA's), (81, 10412), (158, 10646), (164, 10661), (168, 10676), (198, 10745), (200, 10751), (211, 10790), (214, 10802), (220, 10817), (237, 10874), (240, 10889), (247, 10913), (257, 10943),

Gene: Neoh_13 Start: 9855, Stop: 10469, Start Num: 55
Candidate Starts for Neoh_13:
(Start: 55 @9855 has 220 MA's), (81, 9900), (95, 9924), (123, 10002), (131, 10023), (133, 10038), (158, 10134), (164, 10149), (171, 10173), (178, 10194), (198, 10233), (204, 10257), (207, 10266), (211, 10278), (231, 10335), (237, 10362), (240, 10377), (247, 10401),

Gene: Nergal_17 Start: 11411, Stop: 12001, Start Num: 73
Candidate Starts for Nergal_17:
(Start: 73 @11411 has 55 MA's), (78, 11426), (83, 11441), (95, 11459), (124, 11537), (147, 11627), (163, 11675), (207, 11798), (223, 11843), (244, 11927), (245, 11930),

Gene: Nette_14 Start: 9868, Stop: 10800, Start Num: 49
Candidate Starts for Nette_14:
(Start: 49 @9868 has 1 MA's), (61, 9883), (62, 9886), (127, 10033), (183, 10231), (210, 10306), (231, 10375), (236, 10399), (243, 10429), (254, 10459), (266, 10486), (290, 10582), (292, 10594), (306, 10684), (308, 10693), (310, 10711),

Gene: Netyap_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Netyap_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Neuvillette_14 Start: 8154, Stop: 8732, Start Num: 73
Candidate Starts for Neuvillette_14:
(Start: 73 @8154 has 55 MA's), (168, 8433), (207, 8535), (227, 8589), (269, 8721),

Gene: Neville_21 Start: 12158, Stop: 12817, Start Num: 48
Candidate Starts for Neville_21:
(Start: 48 @12158 has 14 MA's), (78, 12206), (79, 12209), (107, 12269), (117, 12299), (146, 12398), (151, 12416), (156, 12434), (169, 12476), (174, 12494), (176, 12500), (221, 12617), (229, 12644), (236, 12674), (241, 12695), (259, 12746), (261, 12752),

Gene: NewHope4_11 Start: 7606, Stop: 8415, Start Num: 29
Candidate Starts for NewHope4_11:
(Start: 29 @7606 has 269 MA's), (31, 7618), (67, 7687), (72, 7696), (85, 7732), (99, 7756), (102, 7762), (122, 7825), (148, 7936), (149, 7939), (150, 7942), (151, 7945), (158, 7975), (166, 7996), (168, 8005), (189, 8059), (250, 8293), (257, 8314), (278, 8365), (279, 8371),

Gene: Nibb_17 Start: 9545, Stop: 10156, Start Num: 55
Candidate Starts for Nibb_17:
(Start: 55 @9545 has 220 MA's), (81, 9587), (133, 9725), (143, 9764), (158, 9821), (164, 9836), (178, 9881), (198, 9920), (200, 9926), (214, 9977), (240, 10064), (247, 10088), (268, 10139),

Gene: Nichirin_11 Start: 7608, Stop: 8417, Start Num: 29
Candidate Starts for Nichirin_11:
(Start: 20 @7551 has 2 MA's), (Start: 29 @7608 has 269 MA's), (31, 7620), (72, 7698), (85, 7734), (99, 7758), (102, 7764), (122, 7827), (148, 7938), (149, 7941), (150, 7944), (151, 7947), (158, 7977), (166, 7998), (168, 8007), (187, 8055), (189, 8061), (197, 8085), (232, 8223), (250, 8295), (257, 8316), (278, 8367), (279, 8373),

Gene: Nicholas_14 Start: 9123, Stop: 10025, Start Num: 50
Candidate Starts for Nicholas_14:
(Start: 50 @9123 has 270 MA's), (88, 9189), (161, 9411), (168, 9432), (202, 9513), (227, 9594), (229, 9603), (253, 9690), (259, 9705), (277, 9744), (293, 9837), (301, 9888), (310, 9939),

Gene: Nicholasp3_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Nicholasp3_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (291, 9689), (310, 9815), (321, 9884),

Gene: NiebruSaylor_46 Start: 23445, Stop: 24260, Start Num: 29
Candidate Starts for NiebruSaylor_46:
(Start: 29 @23445 has 269 MA's), (67, 23526), (122, 23667), (127, 23682), (149, 23781), (154, 23799), (173, 23862), (177, 23874), (184, 23889), (219, 24006), (249, 24132),

Gene: Nikao_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for Nikao_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: Niklas_18 Start: 9573, Stop: 10184, Start Num: 57
Candidate Starts for Niklas_18:
(Start: 57 @9573 has 46 MA's), (81, 9615), (133, 9753), (143, 9792), (158, 9849), (164, 9864), (178, 9909), (198, 9948), (200, 9954), (201, 9957), (214, 10005), (220, 10020), (237, 10077),

Gene: Nimbo_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Nimbo_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Nitzel_12 Start: 8262, Stop: 9071, Start Num: 29
Candidate Starts for Nitzel_12:
(Start: 29 @8262 has 269 MA's), (31, 8274), (72, 8352), (85, 8388), (99, 8412), (102, 8418), (122, 8481), (149, 8595), (150, 8598), (151, 8601), (158, 8631), (166, 8652), (168, 8661), (189, 8715), (198, 8742), (232, 8877), (257, 8970), (278, 9021), (279, 9027),

Gene: Nivrat_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Nivrat_11:
(Start: 16 @7537 has 10 MA's), (19, 7552), (Start: 29 @7609 has 269 MA's), (31, 7621), (72, 7699), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (197, 8086), (232, 8224), (250, 8296), (257, 8317), (272, 8350), (278, 8368), (279, 8374),

Gene: NoShow_13 Start: 8694, Stop: 9302, Start Num: 63
Candidate Starts for NoShow_13:
(Start: 63 @8694 has 4 MA's), (97, 8763), (147, 8928), (168, 8997), (190, 9048), (198, 9066), (199, 9069), (204, 9090), (223, 9141), (237, 9195),

Gene: NoSwimming_14 Start: 10095, Stop: 10754, Start Num: 50
Candidate Starts for NoSwimming_14:
(Start: 50 @10095 has 270 MA's), (Start: 51 @10098 has 9 MA's), (83, 10155), (130, 10260), (161, 10386), (169, 10410), (171, 10416), (274, 10716), (278, 10722), (283, 10740),

Gene: NormanBulbieJr_11 Start: 7597, Stop: 8406, Start Num: 29
Candidate Starts for NormanBulbieJr_11:
(Start: 29 @7597 has 269 MA's), (31, 7609), (72, 7687), (85, 7723), (99, 7747), (102, 7753), (122, 7816), (149, 7930), (150, 7933), (151, 7936), (158, 7966), (166, 7987), (168, 7996), (189, 8050), (198, 8077), (250, 8284), (257, 8305), (278, 8356), (279, 8362),

Gene: Norvs_43 Start: 17916, Stop: 18581, Start Num: 50
Candidate Starts for Norvs_43:
(Start: 50 @17916 has 270 MA's), (100, 18006), (213, 18363), (259, 18516),

Gene: NosilaM_38 Start: 21997, Stop: 22680, Start Num: 50
Candidate Starts for NosilaM_38:
(Start: 50 @21997 has 270 MA's), (134, 22198), (146, 22246), (171, 22330), (209, 22429), (227, 22486), (243, 22555), (278, 22645),

Gene: November_16 Start: 10373, Stop: 10987, Start Num: 57
Candidate Starts for November_16:
(Start: 57 @10373 has 46 MA's), (Start: 74 @10397 has 41 MA's), (81, 10418), (135, 10562), (143, 10595), (158, 10652), (164, 10667), (198, 10751), (200, 10757), (211, 10796), (214, 10808), (226, 10835), (240, 10895), (247, 10919), (257, 10949),

Gene: NovumRegina_35 Start: 21776, Stop: 22459, Start Num: 50
Candidate Starts for NovumRegina_35:
(Start: 50 @21776 has 270 MA's), (62, 21794), (107, 21887), (133, 21974), (134, 21977), (171, 22109), (209, 22208), (227, 22265), (243, 22334), (255, 22364), (264, 22385), (278, 22424),

Gene: Nutello_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for Nutello_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: ODay_13 Start: 7563, Stop: 8147, Start Num: 73
Candidate Starts for ODay_13:
(Start: 73 @7563 has 55 MA's), (83, 7584), (100, 7608), (148, 7776), (151, 7782), (168, 7842), (180, 7878), (181, 7881), (200, 7917), (267, 8124),

Gene: ObLaDi_13 Start: 8905, Stop: 9573, Start Num: 48
Candidate Starts for ObLaDi_13:
(Start: 48 @8905 has 14 MA's), (202, 9307), (227, 9388), (240, 9445), (270, 9526), (278, 9547),

Gene: Obliviate_13 Start: 8445, Stop: 9086, Start Num: 73

Candidate Starts for Obliviate_13:
(Start: 73 @8445 has 55 MA's), (Start: 74 @8448 has 41 MA's), (111, 8538), (114, 8553), (133, 8619), (156, 8706), (180, 8781), (191, 8805), (211, 8853), (231, 8910), (239, 8949), (269, 9033), (280, 9069),

Gene: Ochi17_11 Start: 7607, Stop: 8416, Start Num: 29
Candidate Starts for Ochi17_11:
(Start: 20 @7550 has 2 MA's), (Start: 29 @7607 has 269 MA's), (31, 7619), (72, 7697), (85, 7733), (99, 7757), (102, 7763), (122, 7826), (148, 7937), (149, 7940), (150, 7943), (151, 7946), (158, 7976), (166, 7997), (168, 8006), (187, 8054), (189, 8060), (197, 8084), (232, 8222), (250, 8294), (257, 8315), (278, 8366), (279, 8372),

Gene: OctaviousRex_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for OctaviousRex_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Octobien14_22 Start: 13362, Stop: 14021, Start Num: 48
Candidate Starts for Octobien14_22:
(Start: 48 @13362 has 14 MA's), (76, 13404), (79, 13413), (100, 13452), (107, 13473), (117, 13503), (156, 13638), (204, 13767), (212, 13791), (230, 13851), (234, 13872), (236, 13878), (241, 13899), (259, 13950), (276, 13986),

Gene: OfUltron_11 Start: 7607, Stop: 8416, Start Num: 29
Candidate Starts for OfUltron_11:
(Start: 20 @7550 has 2 MA's), (Start: 29 @7607 has 269 MA's), (31, 7619), (72, 7697), (85, 7733), (99, 7757), (102, 7763), (122, 7826), (148, 7937), (149, 7940), (150, 7943), (151, 7946), (158, 7976), (166, 7997), (168, 8006), (187, 8054), (189, 8060), (197, 8084), (232, 8222), (250, 8294), (257, 8315), (278, 8366), (279, 8372),

Gene: Ogopogo_14 Start: 7806, Stop: 8672, Start Num: 20
Candidate Starts for Ogopogo_14:
(Start: 20 @7806 has 2 MA's), (Start: 29 @7863 has 269 MA's), (31, 7875), (72, 7953), (85, 7989), (99, 8013), (102, 8019), (122, 8082), (149, 8196), (150, 8199), (151, 8202), (158, 8232), (166, 8253), (168, 8262), (187, 8310), (189, 8316), (197, 8340), (198, 8343), (232, 8478), (250, 8550), (257, 8571), (272, 8604), (278, 8622), (279, 8628),

Gene: OhShagHennessy_13 Start: 8963, Stop: 9865, Start Num: 50
Candidate Starts for OhShagHennessy_13:
(Start: 50 @8963 has 270 MA's), (88, 9029), (91, 9035), (129, 9119), (168, 9272), (172, 9284), (202, 9353), (211, 9383), (213, 9392), (223, 9422), (229, 9443), (289, 9647), (295, 9686), (310, 9779), (312, 9803), (321, 9848),

Gene: Okabe_13 Start: 8273, Stop: 9082, Start Num: 29
Candidate Starts for Okabe_13:
(Start: 20 @8216 has 2 MA's), (Start: 29 @8273 has 269 MA's), (31, 8285), (72, 8363), (85, 8399), (99, 8423), (102, 8429), (122, 8492), (149, 8606), (150, 8609), (151, 8612), (158, 8642), (166, 8663), (168, 8672), (189, 8726), (197, 8750), (232, 8888), (250, 8960), (257, 8981), (272, 9014), (278, 9032), (279, 9038),

Gene: OkiRoe_16 Start: 10530, Stop: 11141, Start Num: 55
Candidate Starts for OkiRoe_16:

(Start: 55 @10530 has 220 MA's), (81, 10575), (143, 10752), (158, 10809), (164, 10824), (168, 10839), (198, 10908), (200, 10914), (211, 10953), (214, 10965), (220, 10980), (233, 11019), (237, 11037), (240, 11052), (247, 11076), (257, 11106),

Gene: Oksu_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Oksu_12:
(Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (187, 7910), (189, 7916), (197, 7940), (198, 7943), (232, 8078), (250, 8150), (257, 8171), (272, 8204), (278, 8222), (279, 8228),

Gene: OldBen_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for OldBen_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Olga_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Olga_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: OlympiaSaint_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for OlympiaSaint_11:
(Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (189, 8063), (198, 8090), (250, 8297), (257, 8318), (278, 8369), (279, 8375),

Gene: OmniCritical_19 Start: 11627, Stop: 12238, Start Num: 57
Candidate Starts for OmniCritical_19:
(Start: 57 @11627 has 46 MA's), (96, 11693), (98, 11699), (114, 11747), (133, 11804), (135, 11810), (140, 11831), (143, 11843), (158, 11900), (164, 11915), (198, 11999), (200, 12005), (211, 12044), (214, 12056), (220, 12071), (237, 12128), (240, 12143), (247, 12167), (257, 12197),

Gene: Omnicron_16 Start: 9598, Stop: 10209, Start Num: 55
Candidate Starts for Omnicron_16:
(Start: 55 @9598 has 220 MA's), (81, 9643), (114, 9724), (143, 9820), (158, 9877), (164, 9892), (168, 9907), (198, 9976), (200, 9982), (211, 10021), (220, 10048), (237, 10105), (240, 10120), (247, 10144), (257, 10174), (269, 10195),

Gene: OneUp_36 Start: 15613, Stop: 16278, Start Num: 50
Candidate Starts for OneUp_36:
(Start: 43 @15595 has 2 MA's), (Start: 50 @15613 has 270 MA's), (141, 15844), (157, 15904), (160, 15913), (204, 16030),

Gene: Oscar_17 Start: 9506, Stop: 10117, Start Num: 55
Candidate Starts for Oscar_17:
(Start: 55 @9506 has 220 MA's), (81, 9548), (158, 9782), (164, 9797), (168, 9812), (178, 9842), (198, 9881), (200, 9887), (211, 9926), (214, 9938), (237, 10010), (240, 10025), (247, 10049), (257, 10079), (268, 10100),

Gene: Ouroboros_11 Start: 7164, Stop: 7787, Start Num: 75
Candidate Starts for Ouroboros_11:
(64, 7146), (Start: 68 @7152 has 3 MA's), (Start: 74 @7161 has 41 MA's), (Start: 75 @7164 has 42 MA's), (129, 7287), (131, 7296), (141, 7344), (211, 7533), (212, 7536), (243, 7644), (245, 7650), (260, 7692), (268, 7710),

Gene: Outis_36 Start: 22001, Stop: 22684, Start Num: 50
Candidate Starts for Outis_36:
(Start: 50 @22001 has 270 MA's), (134, 22202), (171, 22334), (209, 22433), (212, 22442), (227, 22490), (243, 22559), (278, 22649),

Gene: Ovechkin_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Ovechkin_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (99, 7781), (102, 7787), (122, 7850), (149, 7964), (150, 7967), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: OverPar_13 Start: 9035, Stop: 9934, Start Num: 50
Candidate Starts for OverPar_13:
(Start: 50 @9035 has 270 MA's), (88, 9098), (100, 9119), (129, 9188), (161, 9320), (168, 9341), (202, 9422), (227, 9503), (229, 9512), (255, 9602), (259, 9614), (277, 9653), (289, 9716), (291, 9722), (302, 9803), (310, 9848), (312, 9872), (321, 9917),

Gene: OwlsT2W_12 Start: 7461, Stop: 8270, Start Num: 29
Candidate Starts for OwlsT2W_12:
(Start: 14 @7386 has 3 MA's), (Start: 16 @7389 has 10 MA's), (Start: 20 @7404 has 2 MA's), (Start: 29 @7461 has 269 MA's), (31, 7473), (72, 7551), (85, 7587), (99, 7611), (102, 7617), (122, 7680), (149, 7794), (150, 7797), (151, 7800), (158, 7830), (166, 7851), (168, 7860), (187, 7908), (189, 7914), (198, 7941), (216, 8010), (232, 8076), (250, 8148), (257, 8169), (278, 8220), (279, 8226),

Gene: P1.1_11 Start: 7152, Stop: 7793, Start Num: 69
Candidate Starts for P1.1_11:
(Start: 69 @7152 has 12 MA's), (Start: 74 @7161 has 41 MA's), (Start: 75 @7164 has 42 MA's), (117, 7257), (141, 7344), (151, 7380), (210, 7530), (211, 7533), (212, 7536), (231, 7590), (239, 7629), (243, 7644), (245, 7650), (260, 7692), (268, 7710),

Gene: P100.1_11 Start: 7148, Stop: 7801, Start Num: 68
Candidate Starts for P100.1_11:
(64, 7142), (Start: 68 @7148 has 3 MA's), (Start: 74 @7157 has 41 MA's), (Start: 75 @7160 has 42 MA's), (117, 7253), (141, 7340), (151, 7376), (205, 7517), (212, 7532), (231, 7586), (239, 7625), (243, 7640), (245, 7646), (260, 7688), (268, 7706),

Gene: P100A_11 Start: 7160, Stop: 7795, Start Num: 68
Candidate Starts for P100A_11:
(64, 7154), (Start: 68 @7160 has 3 MA's), (Start: 74 @7169 has 41 MA's), (Start: 75 @7172 has 42 MA's), (117, 7265), (131, 7304), (141, 7352), (151, 7388), (212, 7544), (214, 7553), (243, 7652), (245, 7658), (260, 7700), (268, 7718),

Gene: P100D_11 Start: 7145, Stop: 7798, Start Num: 69
Candidate Starts for P100D_11:
(Start: 69 @7145 has 12 MA's), (Start: 74 @7154 has 41 MA's), (Start: 75 @7157 has 42 MA's), (117, 7250), (141, 7337), (205, 7514), (210, 7523), (211, 7526), (212, 7529), (231, 7583), (239, 7622), (243, 7637), (245, 7643), (260, 7685), (268, 7703),

Gene: P101A_11 Start: 7152, Stop: 7808, Start Num: 69
Candidate Starts for P101A_11:
(Start: 69 @7152 has 12 MA's), (Start: 74 @7161 has 41 MA's), (Start: 75 @7164 has 42 MA's), (117, 7257), (141, 7344), (151, 7380), (205, 7521), (212, 7536), (231, 7590), (239, 7629), (243, 7644), (245, 7650), (260, 7692), (268, 7710),

Gene: P104A_11 Start: 7149, Stop: 7781, Start Num: 69
Candidate Starts for P104A_11:
(Start: 69 @7149 has 12 MA's), (Start: 74 @7158 has 41 MA's), (Start: 75 @7161 has 42 MA's), (117, 7254), (141, 7341), (205, 7518), (212, 7533), (231, 7587), (239, 7626), (243, 7641), (245, 7647), (260, 7689), (268, 7707),

Gene: P104B_11 Start: 7169, Stop: 7798, Start Num: 75
Candidate Starts for P104B_11:
(Start: 48 @7121 has 14 MA's), (Start: 51 @7127 has 9 MA's), (53, 7130), (61, 7145), (64, 7151), (Start: 68 @7157 has 3 MA's), (Start: 74 @7166 has 41 MA's), (Start: 75 @7169 has 42 MA's), (117, 7262), (125, 7283), (141, 7349), (211, 7538), (212, 7541), (231, 7595), (239, 7634), (243, 7649), (245, 7655), (260, 7697), (268, 7715),

Gene: P105_11 Start: 7140, Stop: 7781, Start Num: 69
Candidate Starts for P105_11:
(Start: 69 @7140 has 12 MA's), (Start: 74 @7149 has 41 MA's), (Start: 75 @7152 has 42 MA's), (117, 7245), (141, 7332), (151, 7368), (211, 7521), (212, 7524), (239, 7617), (243, 7632), (245, 7638), (260, 7680), (268, 7698),

Gene: P106A_11 Start: 7168, Stop: 7824, Start Num: 69
Candidate Starts for P106A_11:
(Start: 69 @7168 has 12 MA's), (Start: 74 @7177 has 41 MA's), (Start: 75 @7180 has 42 MA's), (117, 7273), (141, 7360), (151, 7396), (205, 7537), (211, 7549), (212, 7552), (231, 7606), (239, 7645), (243, 7660), (245, 7666), (260, 7708), (268, 7726),

Gene: P106C_11 Start: 7168, Stop: 7824, Start Num: 69
Candidate Starts for P106C_11:
(Start: 69 @7168 has 12 MA's), (Start: 74 @7177 has 41 MA's), (Start: 75 @7180 has 42 MA's), (117, 7273), (141, 7360), (151, 7396), (205, 7537), (211, 7549), (212, 7552), (231, 7606), (239, 7645), (243, 7660), (245, 7666), (260, 7708), (268, 7726),

Gene: P106I_11 Start: 7168, Stop: 7824, Start Num: 69
Candidate Starts for P106I_11:
(Start: 69 @7168 has 12 MA's), (Start: 74 @7177 has 41 MA's), (Start: 75 @7180 has 42 MA's), (117, 7273), (141, 7360), (151, 7396), (205, 7537), (211, 7549), (212, 7552), (231, 7606), (239, 7645), (243, 7660), (245, 7666), (260, 7708), (268, 7726),

Gene: P106L_11 Start: 7168, Stop: 7824, Start Num: 69
Candidate Starts for P106L_11:
(Start: 69 @7168 has 12 MA's), (Start: 74 @7177 has 41 MA's), (Start: 75 @7180 has 42 MA's), (117, 7273), (141, 7360), (151, 7396), (205, 7537), (211, 7549), (212, 7552), (231, 7606), (239, 7645), (243, 7660), (245, 7666), (260, 7708), (268, 7726),

Gene: P106M_11 Start: 7168, Stop: 7824, Start Num: 69
Candidate Starts for P106M_11:

(Start: 69 @7168 has 12 MA's), (Start: 74 @7177 has 41 MA's), (Start: 75 @7180 has 42 MA's), (117, 7273), (141, 7360), (151, 7396), (205, 7537), (211, 7549), (212, 7552), (231, 7606), (239, 7645), (243, 7660), (245, 7666), (260, 7708), (268, 7726),

Gene: P107A_11 Start: 7168, Stop: 7800, Start Num: 75
Candidate Starts for P107A_11:
(Start: 68 @7156 has 3 MA's), (Start: 74 @7165 has 41 MA's), (Start: 75 @7168 has 42 MA's), (141, 7348), (151, 7384), (205, 7525), (210, 7534), (211, 7537), (212, 7540), (214, 7549), (239, 7633), (243, 7648), (245, 7654), (260, 7696), (268, 7714),

Gene: P107C_11 Start: 7162, Stop: 7785, Start Num: 75
Candidate Starts for P107C_11:
(Start: 69 @7150 has 12 MA's), (Start: 74 @7159 has 41 MA's), (Start: 75 @7162 has 42 MA's), (117, 7255), (141, 7342), (211, 7531), (212, 7534), (214, 7543), (239, 7627), (243, 7642), (245, 7648), (260, 7690), (268, 7708),

Gene: P108C_11 Start: 7167, Stop: 7793, Start Num: 75
Candidate Starts for P108C_11:
(Start: 69 @7155 has 12 MA's), (Start: 74 @7164 has 41 MA's), (Start: 75 @7167 has 42 MA's), (117, 7260), (141, 7347), (205, 7524), (212, 7539), (239, 7632), (243, 7647), (245, 7653), (260, 7695), (268, 7713),

Gene: P1201_38 Start: 22813, Stop: 23490, Start Num: 50
Candidate Starts for P1201_38:
(Start: 50 @22813 has 270 MA's), (106, 22921), (116, 22942), (133, 22999), (150, 23065), (160, 23101), (197, 23188), (227, 23287), (243, 23356), (278, 23446),

Gene: P14.4_11 Start: 7116, Stop: 7793, Start Num: 48
Candidate Starts for P14.4_11:
(Start: 48 @7116 has 14 MA's), (Start: 51 @7122 has 9 MA's), (53, 7125), (61, 7140), (64, 7146), (Start: 68 @7152 has 3 MA's), (Start: 74 @7161 has 41 MA's), (Start: 75 @7164 has 42 MA's), (117, 7257), (125, 7278), (141, 7344), (151, 7380), (205, 7521), (210, 7530), (211, 7533), (212, 7536), (239, 7629), (243, 7644), (245, 7650), (260, 7692), (268, 7710),

Gene: P9.1_11 Start: 7144, Stop: 7788, Start Num: 69
Candidate Starts for P9.1_11:
(Start: 69 @7144 has 12 MA's), (Start: 74 @7153 has 41 MA's), (Start: 75 @7156 has 42 MA's), (117, 7249), (141, 7336), (151, 7372), (205, 7513), (212, 7528), (239, 7621), (243, 7636), (245, 7642), (260, 7684), (268, 7702), (278, 7732),

Gene: PA6_11 Start: 7172, Stop: 7813, Start Num: 75
Candidate Starts for PA6_11:
(Start: 48 @7124 has 14 MA's), (Start: 51 @7130 has 9 MA's), (53, 7133), (61, 7148), (64, 7154), (Start: 68 @7160 has 3 MA's), (Start: 74 @7169 has 41 MA's), (Start: 75 @7172 has 42 MA's), (117, 7265), (141, 7352), (151, 7388), (211, 7541), (212, 7544), (231, 7598), (239, 7637), (243, 7652), (245, 7658), (260, 7700), (268, 7718),

Gene: PAD20_11 Start: 7164, Stop: 7793, Start Num: 75
Candidate Starts for PAD20_11:
(Start: 69 @7152 has 12 MA's), (Start: 74 @7161 has 41 MA's), (Start: 75 @7164 has 42 MA's), (117, 7257), (141, 7344), (211, 7533), (212, 7536), (214, 7545), (231, 7590), (239, 7629), (243, 7644), (245, 7650), (260, 7692), (268, 7710),

Gene: PAS50_11 Start: 7161, Stop: 7799, Start Num: 75
Candidate Starts for PAS50_11:
(Start: 69 @7149 has 12 MA's), (Start: 74 @7158 has 41 MA's), (Start: 75 @7161 has 42 MA's), (117, 7254), (129, 7284), (141, 7341), (151, 7377), (205, 7518), (211, 7530), (212, 7533), (231, 7587), (239, 7626), (243, 7641), (245, 7647), (260, 7689), (268, 7707),

Gene: PCoral7_14 Start: 8656, Stop: 9306, Start Num: 74
Candidate Starts for PCoral7_14:
(Start: 58 @8626 has 3 MA's), (Start: 73 @8653 has 55 MA's), (Start: 74 @8656 has 41 MA's), (111, 8746), (114, 8761), (142, 8863), (155, 8911), (180, 8989), (191, 9013), (205, 9043), (211, 9061), (239, 9157), (269, 9241),

Gene: PHL010M04_11 Start: 7155, Stop: 7787, Start Num: 75
Candidate Starts for PHL010M04_11:
(Start: 68 @7143 has 3 MA's), (Start: 74 @7152 has 41 MA's), (Start: 75 @7155 has 42 MA's), (141, 7335), (151, 7371), (211, 7524), (212, 7527), (239, 7620), (260, 7683), (268, 7701),

Gene: PHL037M02_11 Start: 7161, Stop: 7802, Start Num: 75
Candidate Starts for PHL037M02_11:
(Start: 68 @7149 has 3 MA's), (Start: 74 @7158 has 41 MA's), (Start: 75 @7161 has 42 MA's), (117, 7254), (141, 7341), (151, 7377), (211, 7530), (212, 7533), (231, 7587), (239, 7626), (243, 7641), (245, 7647), (260, 7689), (268, 7707),

Gene: PHL060L00_11 Start: 7151, Stop: 7804, Start Num: 75
Candidate Starts for PHL060L00_11:
(Start: 69 @7139 has 12 MA's), (Start: 74 @7148 has 41 MA's), (Start: 75 @7151 has 42 MA's), (117, 7244), (141, 7331), (151, 7367), (211, 7520), (212, 7523), (214, 7532), (239, 7616), (243, 7631), (245, 7637), (260, 7679), (268, 7697),

Gene: PHL067M10_11 Start: 7157, Stop: 7771, Start Num: 75
Candidate Starts for PHL067M10_11:
(Start: 69 @7145 has 12 MA's), (Start: 74 @7154 has 41 MA's), (Start: 75 @7157 has 42 MA's), (117, 7250), (131, 7289), (141, 7337), (205, 7514), (210, 7523), (211, 7526), (212, 7529), (239, 7622), (243, 7637), (245, 7643), (260, 7685), (268, 7703),

Gene: PHL071N05_11 Start: 7159, Stop: 7797, Start Num: 75
Candidate Starts for PHL071N05_11:
(Start: 69 @7147 has 12 MA's), (Start: 74 @7156 has 41 MA's), (Start: 75 @7159 has 42 MA's), (117, 7252), (141, 7339), (211, 7528), (212, 7531), (239, 7624), (243, 7639), (245, 7645), (260, 7687), (268, 7705),

Gene: PHL111M01_11 Start: 7168, Stop: 7788, Start Num: 75
Candidate Starts for PHL111M01_11:
(Start: 69 @7156 has 12 MA's), (Start: 74 @7165 has 41 MA's), (Start: 75 @7168 has 42 MA's), (117, 7261), (141, 7348), (151, 7384), (205, 7525), (211, 7537), (212, 7540), (231, 7594), (239, 7633), (243, 7648), (245, 7654), (260, 7696), (268, 7714),

Gene: PHL112N00_11 Start: 7164, Stop: 7784, Start Num: 75
Candidate Starts for PHL112N00_11:
(Start: 68 @7152 has 3 MA's), (Start: 74 @7161 has 41 MA's), (Start: 75 @7164 has 42 MA's), (117, 7257), (125, 7278), (141, 7344), (151, 7380), (211, 7533), (212, 7536), (239, 7629), (243, 7644), (245, 7650), (260, 7692), (268, 7710),

Gene: PHL113M01_11 Start: 7172, Stop: 7813, Start Num: 75
Candidate Starts for PHL113M01_11:
(Start: 69 @7160 has 12 MA's), (Start: 74 @7169 has 41 MA's), (Start: 75 @7172 has 42 MA's), (141, 7352), (211, 7541), (212, 7544), (214, 7553), (239, 7637), (243, 7652), (245, 7658), (260, 7700), (268, 7718),

Gene: PHL114L00_11 Start: 7168, Stop: 7791, Start Num: 75
Candidate Starts for PHL114L00_11:
(61, 7144), (64, 7150), (Start: 68 @7156 has 3 MA's), (Start: 74 @7165 has 41 MA's), (Start: 75 @7168 has 42 MA's), (141, 7348), (212, 7540), (243, 7648), (245, 7654), (260, 7696), (268, 7714),

Gene: PHappiness_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for PHappiness_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: PMC_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for PMC_11:
(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (189, 8079), (198, 8106), (232, 8241), (250, 8313), (257, 8334), (278, 8385), (279, 8391),

Gene: PYPDinur_13 Start: 8672, Stop: 9574, Start Num: 50
Candidate Starts for PYPDinur_13:
(Start: 50 @8672 has 270 MA's), (88, 8738), (161, 8960), (168, 8981), (202, 9062), (213, 9101), (227, 9143), (229, 9152), (253, 9239), (259, 9254), (277, 9293), (283, 9320), (289, 9356), (291, 9362), (295, 9395), (300, 9434), (301, 9437), (310, 9488), (317, 9539),

Gene: Pacc40_11 Start: 7537, Stop: 8418, Start Num: 16
Candidate Starts for Pacc40_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Pace1224_13 Start: 9947, Stop: 10567, Start Num: 55
Candidate Starts for Pace1224_13:
(Start: 55 @9947 has 220 MA's), (95, 10022), (114, 10079), (131, 10121), (133, 10136), (158, 10232), (164, 10247), (171, 10271), (198, 10331), (204, 10355), (220, 10403), (231, 10433), (240, 10475), (247, 10499), (257, 10529),

Gene: Padfoot_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Padfoot_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Padpat_18 Start: 10504, Stop: 11115, Start Num: 55
Candidate Starts for Padpat_18:
(Start: 55 @10504 has 220 MA's), (81, 10546), (143, 10723), (158, 10780), (164, 10795), (198, 10879), (200, 10885), (211, 10924), (214, 10936), (226, 10963), (237, 11008), (240, 11023), (247, 11047),

(270, 11104),

Gene: PaintedDog_12 Start: 8410, Stop: 9210, Start Num: 29
Candidate Starts for PaintedDog_12:
(Start: 22 @8359 has 1 MA's), (Start: 29 @8410 has 269 MA's), (72, 8506), (102, 8569), (127, 8647), (149, 8746), (158, 8782), (238, 9058), (257, 9118), (263, 9124),

Gene: Paito_13 Start: 9962, Stop: 10582, Start Num: 55
Candidate Starts for Paito_13:
(Start: 55 @9962 has 220 MA's), (95, 10037), (131, 10136), (133, 10151), (158, 10247), (164, 10262), (168, 10277), (171, 10286), (178, 10307), (198, 10346), (204, 10370), (207, 10379), (211, 10391), (229, 10442), (231, 10448), (237, 10475), (240, 10490), (247, 10514),

Gene: Paola_16 Start: 10530, Stop: 11141, Start Num: 55
Candidate Starts for Paola_16:
(Start: 55 @10530 has 220 MA's), (81, 10575), (143, 10752), (158, 10809), (164, 10824), (168, 10839), (198, 10908), (200, 10914), (211, 10953), (214, 10965), (220, 10980), (233, 11019), (237, 11037), (240, 11052), (247, 11076), (257, 11106),

Gene: Patio_38 Start: 22247, Stop: 22930, Start Num: 50
Candidate Starts for Patio_38:
(Start: 50 @22247 has 270 MA's), (134, 22448), (171, 22580), (183, 22607), (209, 22679), (227, 22736), (243, 22805), (264, 22856), (278, 22895),

Gene: PatoPoderoso_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for PatoPoderoso_11:
(Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (99, 7782), (102, 7788), (122, 7851), (149, 7965), (150, 7968), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: Patt_19 Start: 11466, Stop: 12077, Start Num: 57
Candidate Starts for Patt_19:
(Start: 57 @11466 has 46 MA's), (96, 11532), (98, 11538), (102, 11547), (114, 11586), (133, 11643), (135, 11649), (140, 11670), (143, 11682), (158, 11739), (164, 11754), (198, 11838), (200, 11844), (210, 11880), (211, 11883), (214, 11895), (220, 11910), (237, 11967), (240, 11982), (247, 12006), (257, 12036),

Gene: Peanam_18 Start: 9573, Stop: 10184, Start Num: 57
Candidate Starts for Peanam_18:
(Start: 57 @9573 has 46 MA's), (81, 9615), (133, 9753), (143, 9792), (158, 9849), (164, 9864), (178, 9909), (198, 9948), (200, 9954), (201, 9957), (214, 10005), (220, 10020), (237, 10077),

Gene: Peeb_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Peeb_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (168, 10163), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Peel_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Peel_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: PegLeg_23 Start: 12815, Stop: 13714, Start Num: 50
Candidate Starts for PegLeg_23:
(Start: 50 @12815 has 270 MA's), (98, 12896), (117, 12950), (119, 12956), (156, 13085), (168, 13124), (196, 13190), (212, 13244), (215, 13259), (227, 13292), (240, 13349), (243, 13361), (283, 13469), (291, 13511), (296, 13535), (303, 13583), (313, 13658), (320, 13691),

Gene: Pemberton_38 Start: 19542, Stop: 20222, Start Num: 50
Candidate Starts for Pemberton_38:
(Start: 50 @19542 has 270 MA's), (133, 19737), (155, 19821), (171, 19872), (209, 19971), (227, 20028), (243, 20097), (264, 20148), (278, 20187),

Gene: Peridot_13 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Peridot_13:
(Start: 29 @7463 has 269 MA's), (31, 7475), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (198, 7943), (232, 8078), (257, 8171), (278, 8222), (279, 8228),

Gene: Periodt_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Periodt_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Periwinkle_13 Start: 7496, Stop: 8068, Start Num: 73
Candidate Starts for Periwinkle_13:
(Start: 73 @7496 has 55 MA's), (81, 7517), (92, 7538), (102, 7550), (150, 7709), (163, 7751), (172, 7784), (241, 7973), (273, 8057),

Gene: PeteyPab_22 Start: 15926, Stop: 16588, Start Num: 50
Candidate Starts for PeteyPab_22:
(Start: 50 @15926 has 270 MA's), (62, 15944), (97, 16007), (99, 16013), (171, 16247), (209, 16343), (227, 16400), (231, 16415), (278, 16559),

Gene: Petra_16 Start: 9059, Stop: 9697, Start Num: 74
Candidate Starts for Petra_16:
(Start: 73 @9056 has 55 MA's), (Start: 74 @9059 has 41 MA's), (111, 9149), (114, 9164), (133, 9230), (156, 9317), (180, 9392), (191, 9416), (211, 9464), (231, 9521), (239, 9560), (269, 9644), (280, 9680),

Gene: Phabuloso_13 Start: 7501, Stop: 8073, Start Num: 73
Candidate Starts for Phabuloso_13:
(Start: 73 @7501 has 55 MA's), (81, 7522), (92, 7543), (102, 7555), (150, 7714), (163, 7756), (172, 7789), (241, 7978), (273, 8062),

Gene: Phalconet_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Phalconet_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (145, 7949), (149, 7964), (150, 7967), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Phanphagia_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for Phanphagia_11:

(Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (85, 7758), (99, 7782), (102, 7788), (122, 7851), (148, 7962), (149, 7965), (150, 7968), (151, 7971), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: Pharb_17 Start: 10403, Stop: 11017, Start Num: 52
Candidate Starts for Pharb_17:
(Start: 52 @10403 has 2 MA's), (81, 10451), (158, 10685), (164, 10700), (178, 10745), (198, 10784), (200, 10790), (201, 10793), (211, 10829), (214, 10841), (220, 10856), (237, 10913), (240, 10928), (247, 10952),

Gene: Phasih_11 Start: 7625, Stop: 8434, Start Num: 29
Candidate Starts for Phasih_11:
(Start: 20 @7568 has 2 MA's), (Start: 29 @7625 has 269 MA's), (31, 7637), (67, 7706), (72, 7715), (99, 7775), (102, 7781), (122, 7844), (149, 7958), (150, 7961), (151, 7964), (158, 7994), (166, 8015), (168, 8024), (189, 8078), (197, 8102), (250, 8312), (257, 8333), (272, 8366), (278, 8384), (279, 8390),

Gene: Phatniss_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Phatniss_11:
(Start: 29 @7609 has 269 MA's), (31, 7621), (72, 7699), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (257, 8317), (278, 8368), (279, 8374),

Gene: PhelpsODU_17 Start: 9556, Stop: 10170, Start Num: 55
Candidate Starts for PhelpsODU_17:
(Start: 55 @9556 has 220 MA's), (Start: 69 @9568 has 12 MA's), (81, 9601), (143, 9778), (158, 9835), (164, 9850), (168, 9865), (178, 9895), (198, 9934), (200, 9940), (214, 9991), (226, 10018), (240, 10078), (248, 10105),

Gene: PhesterPhotato_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for PhesterPhotato_11:
(Start: 17 @7559 has 1 MA's), (Start: 20 @7571 has 2 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Philus_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Philus_11:
(Start: 16 @7537 has 10 MA's), (19, 7552), (Start: 29 @7609 has 269 MA's), (31, 7621), (72, 7699), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (197, 8086), (232, 8224), (250, 8296), (257, 8317), (272, 8350), (278, 8368), (279, 8374),

Gene: PhinkBoden_42 Start: 18297, Stop: 18962, Start Num: 50
Candidate Starts for PhinkBoden_42:
(Start: 50 @18297 has 270 MA's), (100, 18387), (213, 18744), (259, 18897),

Gene: Phish_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Phish_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Phistory_13 Start: 7485, Stop: 8057, Start Num: 73

Candidate Starts for Phistory_13:
(Start: 73 @7485 has 55 MA's), (81, 7506), (92, 7527), (102, 7539), (150, 7698), (163, 7740), (172, 7773), (241, 7962), (273, 8046),

Gene: PhlipPhlop_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for PhlipPhlop_11:
(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (148, 7956), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (189, 8079), (232, 8241), (250, 8313), (257, 8334), (278, 8385), (279, 8391),

Gene: Phloodle_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Phloodle_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Phomeo_34 Start: 22069, Stop: 22752, Start Num: 50
Candidate Starts for Phomeo_34:
(Start: 50 @22069 has 270 MA's), (62, 22087), (107, 22180), (133, 22267), (134, 22270), (171, 22402), (209, 22501), (227, 22558), (243, 22627), (255, 22657), (264, 22678), (278, 22717),

Gene: PhorbesPhlower_12 Start: 7004, Stop: 7594, Start Num: 73
Candidate Starts for PhorbesPhlower_12:
(Start: 73 @7004 has 55 MA's), (83, 7025), (115, 7094), (151, 7223), (168, 7283), (200, 7358), (226, 7436), (231, 7454), (242, 7502),

Gene: Phrank_17 Start: 9499, Stop: 10113, Start Num: 55
Candidate Starts for Phrank_17:
(Start: 55 @9499 has 220 MA's), (Start: 69 @9511 has 12 MA's), (81, 9544), (143, 9721), (158, 9778), (164, 9793), (168, 9808), (178, 9838), (198, 9877), (200, 9883), (226, 9961), (240, 10021), (248, 10048),

Gene: Phreak_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Phreak_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: PhrostedPhlake_15 Start: 9037, Stop: 9675, Start Num: 74
Candidate Starts for PhrostedPhlake_15:
(Start: 73 @9034 has 55 MA's), (Start: 74 @9037 has 41 MA's), (111, 9127), (114, 9142), (133, 9208), (156, 9295), (180, 9370), (191, 9394), (211, 9442), (231, 9499), (239, 9538), (269, 9622), (280, 9658),

Gene: Piatt_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Piatt_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Pigu_11 Start: 7560, Stop: 8207, Start Num: 50
Candidate Starts for Pigu_11:
(Start: 50 @7560 has 270 MA's), (Start: 51 @7563 has 9 MA's), (83, 7620), (107, 7671), (119, 7692), (155, 7827), (161, 7848), (169, 7872), (183, 7905), (209, 7974), (278, 8184),

Gene: PinkYoshi_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for PinkYoshi_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Pinnie_14 Start: 10537, Stop: 11160, Start Num: 55
Candidate Starts for Pinnie_14:
(Start: 55 @10537 has 220 MA's), (72, 10564), (95, 10615), (114, 10672), (131, 10714), (133, 10729), (158, 10825), (164, 10840), (171, 10864), (178, 10885), (198, 10924), (204, 10948), (220, 10996), (229, 11020), (231, 11026), (240, 11068),

Gene: Piper2020_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Piper2020_12:
(Start: 16 @7391 has 10 MA's), (Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (187, 7910), (189, 7916), (198, 7943), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: Pipp_14 Start: 8651, Stop: 9292, Start Num: 73
Candidate Starts for Pipp_14:
(Start: 73 @8651 has 55 MA's), (Start: 74 @8654 has 41 MA's), (111, 8744), (114, 8759), (180, 8987), (191, 9011), (211, 9059), (231, 9116), (239, 9155), (269, 9239), (280, 9275),

Gene: Pippy_11 Start: 7597, Stop: 8406, Start Num: 29
Candidate Starts for Pippy_11:
(Start: 29 @7597 has 269 MA's), (31, 7609), (72, 7687), (85, 7723), (99, 7747), (102, 7753), (122, 7816), (149, 7930), (150, 7933), (151, 7936), (158, 7966), (166, 7987), (168, 7996), (189, 8050), (232, 8212), (257, 8305), (278, 8356), (279, 8362),

Gene: Pirate_11 Start: 7156, Stop: 7782, Start Num: 75
Candidate Starts for Pirate_11:
(Start: 69 @7144 has 12 MA's), (Start: 74 @7153 has 41 MA's), (Start: 75 @7156 has 42 MA's), (117, 7249), (141, 7336), (205, 7513), (212, 7528), (239, 7621), (243, 7636), (245, 7642), (260, 7684), (268, 7702),

Gene: Pisa1_17 Start: 10259, Stop: 10870, Start Num: 55
Candidate Starts for Pisa1_17:
(46, 10244), (Start: 55 @10259 has 220 MA's), (81, 10301), (143, 10478), (158, 10535), (164, 10550), (178, 10595), (198, 10634), (200, 10640), (211, 10679), (214, 10691), (226, 10718), (237, 10763), (240, 10778), (247, 10802),

Gene: Pisa4_17 Start: 10259, Stop: 10870, Start Num: 55
Candidate Starts for Pisa4_17:
(46, 10244), (Start: 55 @10259 has 220 MA's), (81, 10301), (143, 10478), (158, 10535), (164, 10550), (178, 10595), (198, 10634), (200, 10640), (211, 10679), (214, 10691), (226, 10718), (237, 10763), (240, 10778), (247, 10802),

Gene: Pixie_17 Start: 10319, Stop: 10930, Start Num: 51
Candidate Starts for Pixie_17:
(Start: 51 @10319 has 9 MA's), (81, 10364), (143, 10541), (158, 10598), (164, 10613), (178, 10658), (198, 10697), (200, 10703), (201, 10706), (211, 10742), (214, 10754), (220, 10769), (237, 10826),

(240, 10841), (247, 10865),

Gene: Plagueis_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Plagueis_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Pleakley_44 Start: 22073, Stop: 22756, Start Num: 50
Candidate Starts for Pleakley_44:
(Start: 50 @22073 has 270 MA's), (134, 22274), (155, 22355), (169, 22400), (171, 22406), (174, 22418), (209, 22505), (227, 22562), (243, 22631), (264, 22682), (275, 22712), (278, 22721),

Gene: Plumbus_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Plumbus_12:
(Start: 20 @7406 has 2 MA's), (Start: 29 @7463 has 269 MA's), (31, 7475), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: Poenanya_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Poenanya_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Poise_45 Start: 18361, Stop: 19026, Start Num: 50
Candidate Starts for Poise_45:
(Start: 50 @18361 has 270 MA's), (88, 18427), (129, 18520), (133, 18547), (155, 18631), (179, 18703), (229, 18850), (231, 18856), (237, 18883), (239, 18895),

Gene: Pokerus_17 Start: 10458, Stop: 11072, Start Num: 55
Candidate Starts for Pokerus_17:
(Start: 55 @10458 has 220 MA's), (81, 10503), (131, 10626), (143, 10680), (158, 10737), (164, 10752), (198, 10836), (200, 10842), (211, 10881), (214, 10893), (226, 10920), (237, 10965), (240, 10980), (247, 11004),

Gene: Polka14_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for Polka14_11:
(Start: 16 @7538 has 10 MA's), (Start: 20 @7553 has 2 MA's), (Start: 29 @7610 has 269 MA's), (31, 7622), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (189, 8063), (198, 8090), (232, 8225), (250, 8297), (257, 8318), (272, 8351), (278, 8369), (279, 8375),

Gene: Pollywog_12 Start: 7462, Stop: 8271, Start Num: 29
Candidate Starts for Pollywog_12:
(Start: 16 @7390 has 10 MA's), (Start: 20 @7405 has 2 MA's), (Start: 29 @7462 has 269 MA's), (31, 7474), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (189, 7915), (198, 7942), (232, 8077), (250, 8149), (257, 8170), (272, 8203), (278, 8221), (279, 8227),

Gene: Polo2Bam_12 Start: 7606, Stop: 8415, Start Num: 29
Candidate Starts for Polo2Bam_12:

(Start: 29 @7606 has 269 MA's), (31, 7618), (67, 7687), (72, 7696), (85, 7732), (99, 7756), (102, 7762), (122, 7825), (148, 7936), (149, 7939), (150, 7942), (151, 7945), (158, 7975), (166, 7996), (168, 8005), (189, 8059), (250, 8293), (257, 8314), (278, 8365), (279, 8371),

Gene: Polyyuki_39 Start: 23240, Stop: 23908, Start Num: 50
Candidate Starts for Polyyuki_39:
(Start: 50 @23240 has 270 MA's), (97, 23321), (116, 23378), (141, 23462), (171, 23564), (174, 23576), (209, 23663), (227, 23720), (243, 23789), (245, 23795), (249, 23807), (277, 23873), (278, 23879),

Gene: Poochiewood_13 Start: 8989, Stop: 9891, Start Num: 50
Candidate Starts for Poochiewood_13:
(Start: 50 @8989 has 270 MA's), (88, 9055), (91, 9061), (129, 9145), (168, 9298), (172, 9310), (202, 9379), (213, 9418), (223, 9448), (229, 9469), (289, 9673), (295, 9712), (310, 9805), (312, 9829), (321, 9874),

Gene: PopTart_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for PopTart_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Popper_14 Start: 8768, Stop: 9433, Start Num: 50
Candidate Starts for Popper_14:
(Start: 50 @8768 has 270 MA's), (141, 8990), (154, 9038), (157, 9050), (158, 9056), (168, 9086), (203, 9176), (223, 9239), (231, 9266), (259, 9362),

Gene: PotatoChip_23 Start: 15928, Stop: 16590, Start Num: 50
Candidate Starts for PotatoChip_23:
(Start: 50 @15928 has 270 MA's), (62, 15946), (97, 16009), (99, 16015), (171, 16249), (209, 16345), (227, 16402), (231, 16417), (278, 16561),

Gene: PrairieDogTown_13 Start: 9148, Stop: 9810, Start Num: 50
Candidate Starts for PrairieDogTown_13:
(Start: 50 @9148 has 270 MA's), (83, 9214), (118, 9286), (130, 9319), (161, 9445), (169, 9469), (278, 9781),

Gene: Primanti_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Primanti_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: PrincePatrick_14 Start: 8714, Stop: 9367, Start Num: 74
Candidate Starts for PrincePatrick_14:
(Start: 58 @8684 has 3 MA's), (Start: 73 @8711 has 55 MA's), (Start: 74 @8714 has 41 MA's), (111, 8804), (114, 8819), (142, 8921), (155, 8969), (180, 9047), (191, 9071), (205, 9101), (211, 9119), (239, 9215), (269, 9299),

Gene: Pringar_45 Start: 18673, Stop: 19338, Start Num: 50
Candidate Starts for Pringar_45:
(Start: 50 @18673 has 270 MA's), (88, 18739), (129, 18832), (133, 18859), (155, 18943), (179, 19015), (229, 19162), (231, 19168), (237, 19195), (239, 19207),

Gene: Priscilla_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for Priscilla_11:
(Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (189, 8063), (198, 8090), (232, 8225), (250, 8297), (257, 8318), (272, 8351), (278, 8369), (279, 8375),

Gene: Prithvi_18 Start: 10468, Stop: 11082, Start Num: 55
Candidate Starts for Prithvi_18:
(Start: 55 @10468 has 220 MA's), (81, 10513), (131, 10636), (143, 10690), (158, 10747), (164, 10762), (198, 10846), (200, 10852), (211, 10891), (214, 10903), (237, 10975), (240, 10990), (247, 11014), (270, 11071),

Gene: Procrass1_11 Start: 7169, Stop: 7795, Start Num: 75
Candidate Starts for Procrass1_11:
(Start: 69 @7157 has 12 MA's), (Start: 74 @7166 has 41 MA's), (Start: 75 @7169 has 42 MA's), (117, 7262), (141, 7349), (205, 7526), (212, 7541), (239, 7634), (243, 7649), (245, 7655), (260, 7697), (268, 7715),

Gene: Psycho_16 Start: 10498, Stop: 11109, Start Num: 55
Candidate Starts for Psycho_16:
(Start: 55 @10498 has 220 MA's), (81, 10543), (158, 10777), (164, 10792), (168, 10807), (198, 10876), (200, 10882), (211, 10921), (214, 10933), (220, 10948), (237, 11005), (240, 11020), (247, 11044), (257, 11074),

Gene: Qhanda_19 Start: 11736, Stop: 12347, Start Num: 57
Candidate Starts for Qhanda_19:
(Start: 57 @11736 has 46 MA's), (96, 11802), (98, 11808), (114, 11856), (133, 11913), (135, 11919), (140, 11940), (143, 11952), (158, 12009), (164, 12024), (198, 12108), (200, 12114), (211, 12153), (214, 12165), (220, 12180), (237, 12237), (240, 12252), (247, 12276), (257, 12306),

Gene: Quby_13 Start: 8671, Stop: 9573, Start Num: 50
Candidate Starts for Quby_13:
(Start: 50 @8671 has 270 MA's), (88, 8737), (161, 8959), (168, 8980), (202, 9061), (213, 9100), (227, 9142), (229, 9151), (253, 9238), (259, 9253), (277, 9292), (283, 9319), (289, 9355), (291, 9361), (295, 9394), (300, 9433), (301, 9436), (310, 9487), (317, 9538),

Gene: QueenBey_11 Start: 7157, Stop: 7789, Start Num: 75
Candidate Starts for QueenBey_11:
(Start: 68 @7145 has 3 MA's), (Start: 74 @7154 has 41 MA's), (Start: 75 @7157 has 42 MA's), (141, 7337), (151, 7373), (161, 7409), (211, 7526), (212, 7529), (243, 7637), (245, 7643), (260, 7685), (268, 7703),

Gene: QueenHazel_13 Start: 8870, Stop: 9670, Start Num: 29
Candidate Starts for QueenHazel_13:
(23, 8825), (Start: 29 @8870 has 269 MA's), (72, 8966), (102, 9029), (127, 9107), (149, 9206), (158, 9242), (238, 9518), (257, 9578), (263, 9584),

Gene: QuickMath_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for QuickMath_11:
(Start: 17 @7560 has 1 MA's), (Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (85, 7758), (99, 7782), (102, 7788), (122, 7851), (148, 7962), (149, 7965), (150, 7968), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (232, 8247), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: Quico_12 Start: 7458, Stop: 8267, Start Num: 29
Candidate Starts for Quico_12:
(Start: 29 @7458 has 269 MA's), (31, 7470), (72, 7548), (85, 7584), (99, 7608), (102, 7614), (122, 7677), (149, 7791), (150, 7794), (151, 7797), (158, 7827), (166, 7848), (168, 7857), (189, 7911), (197, 7935), (232, 8073), (250, 8145), (257, 8166), (278, 8217), (279, 8223),

Gene: QuincyRose_17 Start: 10521, Stop: 11135, Start Num: 55
Candidate Starts for QuincyRose_17:
(Start: 55 @10521 has 220 MA's), (81, 10566), (131, 10689), (143, 10743), (158, 10800), (164, 10815), (198, 10899), (200, 10905), (211, 10944), (214, 10956), (226, 10983), (237, 11028), (240, 11043), (247, 11067),

Gene: QuinnAvery_16 Start: 9252, Stop: 9920, Start Num: 50
Candidate Starts for QuinnAvery_16:
(Start: 50 @9252 has 270 MA's), (158, 9540), (203, 9660), (240, 9792), (259, 9846),

Gene: REQ2_12 Start: 7795, Stop: 8721, Start Num: 50
Candidate Starts for REQ2_12:
(33, 7759), (34, 7762), (42, 7777), (Start: 50 @7795 has 270 MA's), (66, 7822), (83, 7864), (94, 7879), (97, 7885), (132, 7975), (138, 8008), (148, 8050), (174, 8137), (245, 8359), (248, 8368), (299, 8563), (314, 8656), (317, 8674),

Gene: Rabbitrun_23 Start: 12721, Stop: 13380, Start Num: 48
Candidate Starts for Rabbitrun_23:
(Start: 48 @12721 has 14 MA's), (78, 12769), (79, 12772), (100, 12811), (107, 12832), (117, 12862), (131, 12892), (146, 12961), (151, 12979), (156, 12997), (169, 13039), (176, 13063), (240, 13255), (259, 13309), (261, 13315),

Gene: Rabbs_13 Start: 9837, Stop: 10457, Start Num: 55
Candidate Starts for Rabbs_13:
(Start: 55 @9837 has 220 MA's), (95, 9912), (131, 10011), (133, 10026), (158, 10122), (164, 10137), (168, 10152), (171, 10161), (178, 10182), (198, 10221), (204, 10245), (207, 10254), (211, 10266), (229, 10317), (231, 10323), (236, 10347), (240, 10365), (247, 10389),

Gene: Radiance_11 Start: 7608, Stop: 8417, Start Num: 29
Candidate Starts for Radiance_11:
(10, 7500), (Start: 20 @7551 has 2 MA's), (Start: 29 @7608 has 269 MA's), (31, 7620), (85, 7734), (99, 7758), (102, 7764), (122, 7827), (149, 7941), (150, 7944), (151, 7947), (158, 7977), (166, 7998), (168, 8007), (189, 8061), (232, 8223), (250, 8295), (257, 8316), (278, 8367), (279, 8373),

Gene: Raela_45 Start: 18916, Stop: 19581, Start Num: 50
Candidate Starts for Raela_45:
(Start: 50 @18916 has 270 MA's), (88, 18982), (129, 19075), (133, 19102), (155, 19186), (179, 19258), (229, 19405), (231, 19411), (237, 19438), (239, 19450),

Gene: Ramen_18 Start: 10504, Stop: 11118, Start Num: 55
Candidate Starts for Ramen_18:
(Start: 55 @10504 has 220 MA's), (81, 10549), (131, 10672), (143, 10726), (158, 10783), (164, 10798), (198, 10882), (200, 10888), (211, 10927), (214, 10939), (226, 10966), (237, 11011), (240, 11026), (247, 11050), (270, 11107),

Gene: Ramsey_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for Ramsey_12:

(Start: 20 @7403 has 2 MA's), (Start: 29 @7460 has 269 MA's), (31, 7472), (72, 7550), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (148, 7790), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (189, 7913), (198, 7940), (232, 8075), (257, 8168), (278, 8219), (279, 8225),

Gene: Rando14_16 Start: 9500, Stop: 10111, Start Num: 55
Candidate Starts for Rando14_16:
(Start: 55 @9500 has 220 MA's), (81, 9545), (143, 9722), (158, 9779), (164, 9794), (168, 9809), (178, 9839), (198, 9878), (200, 9884), (211, 9923), (214, 9935), (220, 9950), (226, 9962), (237, 10007), (240, 10022), (247, 10046), (257, 10076), (269, 10097),

Gene: Rapunzel97_18 Start: 10505, Stop: 11119, Start Num: 55
Candidate Starts for Rapunzel97_18:
(Start: 55 @10505 has 220 MA's), (81, 10550), (131, 10673), (143, 10727), (158, 10784), (164, 10799), (198, 10883), (200, 10889), (211, 10928), (214, 10940), (226, 10967), (237, 11012), (240, 11027), (247, 11051), (270, 11108),

Gene: Raqqa_13 Start: 8165, Stop: 8830, Start Num: 50
Candidate Starts for Raqqa_13:
(Start: 50 @8165 has 270 MA's), (89, 8240), (99, 8258), (116, 8300), (138, 8372), (141, 8387), (158, 8453), (163, 8462), (168, 8483), (211, 8597), (229, 8657),

Gene: Rattrick_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Rattrick_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Red305_14 Start: 9123, Stop: 10025, Start Num: 50
Candidate Starts for Red305_14:
(Start: 50 @9123 has 270 MA's), (88, 9189), (161, 9411), (168, 9432), (202, 9513), (227, 9594), (229, 9603), (253, 9690), (259, 9705), (277, 9744), (293, 9837), (301, 9888), (310, 9939),

Gene: RedBird_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for RedBird_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: RedRaider_42 Start: 24251, Stop: 24934, Start Num: 50
Candidate Starts for RedRaider_42:
(Start: 50 @24251 has 270 MA's), (134, 24452), (171, 24584), (183, 24611), (209, 24683), (227, 24740), (243, 24809), (264, 24860), (278, 24899),

Gene: RedRaider77_45 Start: 18817, Stop: 19482, Start Num: 50
Candidate Starts for RedRaider77_45:
(Start: 50 @18817 has 270 MA's), (88, 18883), (129, 18976), (133, 19003), (155, 19087), (179, 19159), (229, 19306), (231, 19312), (237, 19339), (239, 19351),

Gene: Reindeer_21 Start: 12668, Stop: 13567, Start Num: 50
Candidate Starts for Reindeer_21:
(Start: 50 @12668 has 270 MA's), (113, 12785), (116, 12800), (119, 12809), (156, 12938), (168, 12977), (196, 13043), (212, 13097), (215, 13112), (227, 13145), (243, 13214), (291, 13364), (296,

13388), (303, 13436), (313, 13511),

Gene: Remy19_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Remy19_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Renaissance_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Renaissance_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Renaud18_12 Start: 7913, Stop: 8725, Start Num: 29
Candidate Starts for Renaud18_12:
(Start: 29 @7913 has 269 MA's), (72, 8003), (85, 8039), (144, 8228), (148, 8243), (149, 8246), (158, 8282), (170, 8318), (227, 8510), (232, 8528), (257, 8621), (270, 8648), (284, 8705),

Gene: Reptar3000_19 Start: 11468, Stop: 12079, Start Num: 57
Candidate Starts for Reptar3000_19:
(Start: 57 @11468 has 46 MA's), (96, 11534), (98, 11540), (102, 11549), (114, 11588), (133, 11645), (135, 11651), (140, 11672), (143, 11684), (158, 11741), (164, 11756), (198, 11840), (200, 11846), (210, 11882), (211, 11885), (214, 11897), (220, 11912), (237, 11969), (240, 11984), (247, 12008), (257, 12038),

Gene: Rey_27 Start: 13596, Stop: 14495, Start Num: 50
Candidate Starts for Rey_27:
(Start: 50 @13596 has 270 MA's), (116, 13728), (156, 13866), (168, 13905), (196, 13971), (212, 14025), (215, 14040), (227, 14073), (243, 14142), (281, 14241), (295, 14313), (296, 14316), (300, 14352), (303, 14364), (308, 14391), (310, 14409), (313, 14439), (320, 14472),

Gene: Rialto_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Rialto_12:
(Start: 29 @7463 has 269 MA's), (31, 7475), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (148, 7793), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: Richarlison_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Richarlison_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Richo_18 Start: 9573, Stop: 10184, Start Num: 57
Candidate Starts for Richo_18:
(Start: 57 @9573 has 46 MA's), (81, 9615), (133, 9753), (143, 9792), (158, 9849), (164, 9864), (178, 9909), (198, 9948), (200, 9954), (201, 9957), (214, 10005), (220, 10020), (237, 10077),

Gene: Rileysaurus_11 Start: 7153, Stop: 7785, Start Num: 75
Candidate Starts for Rileysaurus_11:
(Start: 68 @7141 has 3 MA's), (Start: 74 @7150 has 41 MA's), (Start: 75 @7153 has 42 MA's), (117, 7246), (129, 7276), (141, 7333), (212, 7525), (214, 7534), (239, 7618), (260, 7681), (268, 7699),

Gene: Rita_11 Start: 7600, Stop: 8409, Start Num: 29
Candidate Starts for Rita_11:
(Start: 29 @7600 has 269 MA's), (31, 7612), (67, 7681), (85, 7726), (99, 7750), (102, 7756), (122, 7819), (149, 7933), (150, 7936), (158, 7969), (166, 7990), (168, 7999), (189, 8053), (198, 8080), (200, 8086), (232, 8215), (250, 8287), (257, 8308), (278, 8359), (279, 8365),

Gene: RitaG_11 Start: 7534, Stop: 8418, Start Num: 14
Candidate Starts for RitaG_11:
(Start: 14 @7534 has 3 MA's), (Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251, 8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Roberts_14 Start: 8154, Stop: 8732, Start Num: 73
Candidate Starts for Roberts_14:
(Start: 73 @8154 has 55 MA's), (168, 8433), (207, 8535), (227, 8589), (269, 8721),

Gene: Rockne_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for Rockne_11:
(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (189, 8079), (198, 8106), (232, 8241), (250, 8313), (257, 8334), (278, 8385), (279, 8391),

Gene: RockyHorror_12 Start: 7461, Stop: 8270, Start Num: 29
Candidate Starts for RockyHorror_12:
(Start: 29 @7461 has 269 MA's), (31, 7473), (72, 7551), (85, 7587), (99, 7611), (102, 7617), (122, 7680), (149, 7794), (150, 7797), (151, 7800), (158, 7830), (166, 7851), (168, 7860), (187, 7908), (189, 7914), (198, 7941), (232, 8076), (250, 8148), (251, 8151), (257, 8169), (278, 8220), (279, 8226),

Gene: RonRayGun_14 Start: 9882, Stop: 10814, Start Num: 50
Candidate Starts for RonRayGun_14:
(Start: 50 @9882 has 270 MA's), (61, 9897), (113, 10002), (127, 10047), (183, 10245), (210, 10320), (231, 10389), (236, 10413), (273, 10524), (296, 10635), (298, 10653), (299, 10668), (308, 10707), (310, 10725), (316, 10764),

Gene: Ronaldo_48 Start: 17900, Stop: 18457, Start Num: 75
Candidate Starts for Ronaldo_48:
(Start: 75 @17900 has 42 MA's), (81, 17918), (112, 17981), (178, 18206), (195, 18224), (200, 18233), (211, 18272), (214, 18284), (239, 18371),

Gene: Rooter_11 Start: 7551, Stop: 8204, Start Num: 50
Candidate Starts for Rooter_11:
(Start: 50 @7551 has 270 MA's), (83, 7611), (130, 7716), (153, 7812), (155, 7821), (161, 7842), (169, 7866), (183, 7899), (278, 8178),

Gene: Rose5_13 Start: 8989, Stop: 9891, Start Num: 50
Candidate Starts for Rose5_13:
(Start: 50 @8989 has 270 MA's), (88, 9055), (91, 9061), (129, 9145), (168, 9298), (172, 9310), (202, 9379), (213, 9418), (223, 9448), (229, 9469), (289, 9673), (295, 9712), (310, 9805), (312, 9829), (321, 9874),

Gene: RoseMarie_23 Start: 13058, Stop: 13957, Start Num: 50

Candidate Starts for RoseMarie_23:
(Start: 50 @13058 has 270 MA's), (113, 13175), (117, 13193), (119, 13199), (156, 13328), (168, 13367), (188, 13415), (196, 13433), (212, 13487), (215, 13502), (227, 13535), (240, 13592), (243, 13604), (281, 13703), (291, 13754), (296, 13778), (303, 13826), (313, 13901), (315, 13907), (320, 13934),

Gene: Rosmarinus_18 Start: 10532, Stop: 11143, Start Num: 55
Candidate Starts for Rosmarinus_18:
(Start: 55 @10532 has 220 MA's), (81, 10574), (131, 10697), (143, 10751), (158, 10808), (164, 10823), (198, 10907), (200, 10913), (211, 10952), (214, 10964), (226, 10991), (237, 11036), (240, 11051), (247, 11075), (270, 11132),

Gene: Rossetti_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Rossetti_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (286, 9662), (291, 9689), (310, 9815), (321, 9884),

Gene: Royals2015_11 Start: 7629, Stop: 8438, Start Num: 29
Candidate Starts for Royals2015_11:
(4, 7431), (6, 7452), (7, 7455), (24, 7590), (Start: 29 @7629 has 269 MA's), (31, 7641), (67, 7710), (72, 7719), (85, 7755), (99, 7779), (102, 7785), (122, 7848), (148, 7959), (149, 7962), (150, 7965), (151, 7968), (158, 7998), (166, 8019), (168, 8028), (189, 8082), (232, 8244), (250, 8316), (257, 8337), (278, 8388), (279, 8394),

Gene: Ruby_11 Start: 7557, Stop: 8423, Start Num: 20
Candidate Starts for Ruby_11:
(Start: 20 @7557 has 2 MA's), (Start: 29 @7614 has 269 MA's), (31, 7626), (72, 7704), (85, 7740), (99, 7764), (102, 7770), (122, 7833), (149, 7947), (150, 7950), (151, 7953), (158, 7983), (166, 8004), (168, 8013), (189, 8067), (197, 8091), (198, 8094), (232, 8229), (250, 8301), (257, 8322), (272, 8355), (278, 8373), (279, 8379),

Gene: Rumpelstiltskin_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Rumpelstiltskin_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Ruriko_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Ruriko_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Ruthiejr_18 Start: 11323, Stop: 11934, Start Num: 57
Candidate Starts for Ruthiejr_18:
(Start: 57 @11323 has 46 MA's), (96, 11389), (98, 11395), (114, 11443), (133, 11500), (135, 11506), (140, 11527), (143, 11539), (158, 11596), (164, 11611), (168, 11626), (198, 11695), (200, 11701), (220, 11767), (237, 11824), (240, 11839), (247, 11863), (257, 11893),

Gene: Ryadel_51 Start: 24909, Stop: 25724, Start Num: 29
Candidate Starts for Ryadel_51:

(Start: 29 @24909 has 269 MA's), (67, 24990), (122, 25131), (149, 25245), (154, 25263), (164, 25296), (173, 25326), (177, 25338), (184, 25353), (219, 25470), (249, 25596),

Gene: Ryan_16 Start: 9383, Stop: 10051, Start Num: 50
Candidate Starts for Ryan_16:
(Start: 50 @9383 has 270 MA's), (141, 9605), (158, 9671), (203, 9791), (240, 9923), (259, 9977),

Gene: SG4_11 Start: 7559, Stop: 8440, Start Num: 17
Candidate Starts for SG4_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: SKKY_11 Start: 7186, Stop: 7830, Start Num: 75
Candidate Starts for SKKY_11:
(62, 7165), (Start: 68 @7174 has 3 MA's), (Start: 74 @7183 has 41 MA's), (Start: 75 @7186 has 42 MA's), (117, 7279), (141, 7366), (151, 7402), (205, 7543), (211, 7555), (212, 7558), (231, 7612), (239, 7651), (243, 7666), (245, 7672), (260, 7714), (268, 7732),

Gene: SPB78_13 Start: 8500, Stop: 9165, Start Num: 65
Candidate Starts for SPB78_13:
(65, 8500), (Start: 74 @8518 has 41 MA's), (96, 8566), (99, 8575), (128, 8659), (139, 8713), (155, 8773), (225, 8977), (243, 9055),

Gene: Saal_11 Start: 7598, Stop: 8407, Start Num: 29
Candidate Starts for Saal_11:
(Start: 29 @7598 has 269 MA's), (31, 7610), (72, 7688), (85, 7724), (99, 7748), (102, 7754), (122, 7817), (149, 7931), (150, 7934), (151, 7937), (158, 7967), (166, 7988), (168, 7997), (189, 8051), (232, 8213), (257, 8306), (278, 8357), (279, 8363),

Gene: Sabbb_11 Start: 7614, Stop: 8423, Start Num: 29
Candidate Starts for Sabbb_11:
(Start: 20 @7557 has 2 MA's), (Start: 29 @7614 has 269 MA's), (31, 7626), (72, 7704), (85, 7740), (99, 7764), (102, 7770), (122, 7833), (149, 7947), (150, 7950), (151, 7953), (158, 7983), (166, 8004), (168, 8013), (187, 8061), (189, 8067), (198, 8094), (216, 8163), (232, 8229), (250, 8301), (257, 8322), (272, 8355), (278, 8373), (279, 8379),

Gene: Saintcarr_15 Start: 9257, Stop: 9925, Start Num: 50
Candidate Starts for Saintcarr_15:
(Start: 50 @9257 has 270 MA's), (85, 9326), (141, 9479), (158, 9545), (203, 9665), (240, 9797), (259, 9851),

Gene: Salvus_16 Start: 9646, Stop: 10287, Start Num: 63
Candidate Starts for Salvus_16:
(45, 9613), (Start: 63 @9646 has 4 MA's), (78, 9679), (81, 9688), (90, 9706), (115, 9772), (131, 9811), (133, 9826), (163, 9931), (168, 9952), (178, 9982), (198, 10021), (211, 10066), (237, 10150), (242, 10171),

Gene: SamScheppers_17 Start: 11243, Stop: 11854, Start Num: 57
Candidate Starts for SamScheppers_17:
(Start: 57 @11243 has 46 MA's), (96, 11309), (98, 11315), (114, 11363), (133, 11420), (135, 11426), (140, 11447), (143, 11459), (158, 11516), (164, 11531), (198, 11615), (200, 11621), (211, 11660),

(214, 11672), (220, 11687), (237, 11744), (240, 11759), (247, 11783), (257, 11813),

Gene: Samba_14 Start: 8787, Stop: 9425, Start Num: 74
Candidate Starts for Samba_14:
(Start: 73 @8784 has 55 MA's), (Start: 74 @8787 has 41 MA's), (111, 8877), (114, 8892), (180, 9120), (191, 9144), (211, 9192), (231, 9249), (239, 9288), (269, 9372), (280, 9408),

Gene: Samty_14 Start: 9119, Stop: 10021, Start Num: 50
Candidate Starts for Samty_14:
(Start: 50 @9119 has 270 MA's), (88, 9185), (161, 9407), (168, 9428), (202, 9509), (227, 9590), (229, 9599), (253, 9686), (259, 9701), (277, 9740), (293, 9833), (301, 9884), (310, 9935),

Gene: SamuelLPlaqson_18 Start: 10446, Stop: 11060, Start Num: 55
Candidate Starts for SamuelLPlaqson_18:
(Start: 55 @10446 has 220 MA's), (72, 10464), (81, 10491), (143, 10668), (158, 10725), (164, 10740), (168, 10755), (178, 10785), (198, 10824), (200, 10830), (211, 10869), (214, 10881), (226, 10908), (237, 10953), (240, 10968), (247, 10992),

Gene: Samy_17 Start: 9940, Stop: 10539, Start Num: 84
Candidate Starts for Samy_17:
(71, 9904), (Start: 84 @9940 has 1 MA's), (98, 9964), (113, 10006), (152, 10156), (227, 10366), (240, 10423), (242, 10429), (243, 10435), (245, 10441), (258, 10477), (272, 10510),

Gene: Sandalphon_11 Start: 7626, Stop: 8435, Start Num: 29
Candidate Starts for Sandalphon_11:
(Start: 29 @7626 has 269 MA's), (31, 7638), (72, 7716), (85, 7752), (99, 7776), (102, 7782), (122, 7845), (149, 7959), (150, 7962), (151, 7965), (158, 7995), (166, 8016), (168, 8025), (189, 8079), (198, 8106), (232, 8241), (257, 8334), (278, 8385), (279, 8391),

Gene: Sarge_12 Start: 7918, Stop: 8571, Start Num: 50
Candidate Starts for Sarge_12:
(Start: 50 @7918 has 270 MA's), (83, 7978), (130, 8083), (153, 8179), (155, 8188), (161, 8209), (169, 8233), (183, 8266), (278, 8545),

Gene: Sarma624_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for Sarma624_12:
(Start: 20 @7403 has 2 MA's), (Start: 29 @7460 has 269 MA's), (31, 7472), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (189, 7913), (232, 8075), (257, 8168), (278, 8219), (279, 8225),

Gene: Sarshaun_13 Start: 9035, Stop: 9934, Start Num: 50
Candidate Starts for Sarshaun_13:
(Start: 50 @9035 has 270 MA's), (88, 9098), (100, 9119), (129, 9188), (161, 9320), (168, 9341), (202, 9422), (227, 9503), (229, 9512), (255, 9602), (259, 9614), (277, 9653), (289, 9716), (291, 9722), (302, 9803), (310, 9848), (321, 9917),

Gene: Sassafras_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Sassafras_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (257, 8317), (272, 8350), (278, 8368), (279, 8374),

Gene: SassyB_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for SassyB_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Sbash_12 Start: 8452, Stop: 9249, Start Num: 29
Candidate Starts for Sbash_12:
(13, 8362), (23, 8410), (Start: 29 @8452 has 269 MA's), (67, 8539), (72, 8548), (123, 8683), (127, 8689), (149, 8788), (198, 8935), (227, 9049), (257, 9157), (263, 9163),

Gene: Scarlett_17 Start: 9505, Stop: 10116, Start Num: 55
Candidate Starts for Scarlett_17:
(Start: 55 @9505 has 220 MA's), (81, 9547), (158, 9781), (164, 9796), (168, 9811), (178, 9841), (198, 9880), (200, 9886), (211, 9925), (214, 9937), (237, 10009), (240, 10024), (247, 10048), (257, 10078), (268, 10099),

Gene: Schiebel_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Schiebel_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Schism_16 Start: 9237, Stop: 9905, Start Num: 50
Candidate Starts for Schism_16:
(Start: 50 @9237 has 270 MA's), (85, 9306), (141, 9459), (158, 9525), (203, 9645), (240, 9777), (259, 9831),

Gene: Schmidt_15 Start: 9115, Stop: 9729, Start Num: 86
Candidate Starts for Schmidt_15:
(18, 8911), (Start: 86 @9115 has 10 MA's), (110, 9166), (114, 9181), (121, 9199), (128, 9223), (142, 9289), (155, 9337), (183, 9421), (206, 9487), (214, 9511),

Gene: SchoolBus_47 Start: 23859, Stop: 24674, Start Num: 29
Candidate Starts for SchoolBus_47:
(Start: 29 @23859 has 269 MA's), (67, 23940), (122, 24081), (127, 24096), (149, 24195), (154, 24213), (173, 24276), (177, 24288), (184, 24303), (219, 24420), (249, 24546),

Gene: Schuy_48 Start: 23792, Stop: 24607, Start Num: 29
Candidate Starts for Schuy_48:
(Start: 29 @23792 has 269 MA's), (67, 23873), (122, 24014), (127, 24029), (149, 24128), (154, 24146), (173, 24209), (177, 24221), (184, 24236), (219, 24353), (249, 24479),

Gene: Scotia_14 Start: 10104, Stop: 10754, Start Num: 51
Candidate Starts for Scotia_14:
(Start: 50 @10101 has 270 MA's), (Start: 51 @10104 has 9 MA's), (83, 10161), (130, 10266), (161, 10392), (169, 10416), (171, 10422), (278, 10728),

Gene: Scottish_11 Start: 7609, Stop: 8418, Start Num: 29
Candidate Starts for Scottish_11:
(Start: 16 @7537 has 10 MA's), (Start: 20 @7552 has 2 MA's), (Start: 29 @7609 has 269 MA's), (31, 7621), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (198, 8089), (232, 8224), (250, 8296), (251,

8299), (257, 8317), (278, 8368), (279, 8374),

Gene: Scuba_44 Start: 22163, Stop: 22846, Start Num: 50
Candidate Starts for Scuba_44:
(Start: 50 @22163 has 270 MA's), (134, 22364), (155, 22445), (169, 22490), (171, 22496), (174, 22508), (209, 22595), (227, 22652), (243, 22721), (264, 22772), (275, 22802), (278, 22811),

Gene: SeaLumen_11 Start: 7606, Stop: 8415, Start Num: 29
Candidate Starts for SeaLumen_11:
(Start: 29 @7606 has 269 MA's), (31, 7618), (67, 7687), (72, 7696), (85, 7732), (99, 7756), (102, 7762), (122, 7825), (148, 7936), (149, 7939), (150, 7942), (151, 7945), (158, 7975), (166, 7996), (168, 8005), (189, 8059), (250, 8293), (257, 8314), (278, 8365), (279, 8371),

Gene: Seabastian_11 Start: 7607, Stop: 8416, Start Num: 29
Candidate Starts for Seabastian_11:
(Start: 20 @7550 has 2 MA's), (Start: 29 @7607 has 269 MA's), (31, 7619), (72, 7697), (85, 7733), (99, 7757), (102, 7763), (122, 7826), (148, 7937), (149, 7940), (150, 7943), (151, 7946), (158, 7976), (166, 7997), (168, 8006), (187, 8054), (189, 8060), (197, 8084), (232, 8222), (250, 8294), (257, 8315), (278, 8366), (279, 8372),

Gene: Seagreen_12 Start: 7462, Stop: 8271, Start Num: 29
Candidate Starts for Seagreen_12:
(Start: 20 @7405 has 2 MA's), (Start: 29 @7462 has 269 MA's), (31, 7474), (72, 7552), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (148, 7792), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (189, 7915), (198, 7942), (232, 8077), (250, 8149), (257, 8170), (278, 8221), (279, 8227),

Gene: Sephiroth_22 Start: 12473, Stop: 13147, Start Num: 43
Candidate Starts for Sephiroth_22:
(Start: 43 @12473 has 2 MA's), (Start: 48 @12488 has 14 MA's), (62, 12509), (76, 12530), (79, 12539), (100, 12578), (107, 12599), (131, 12659), (146, 12728), (156, 12764), (204, 12893), (212, 12917), (230, 12977), (234, 12998), (236, 13004), (259, 13076), (276, 13112),

Gene: SgtBeansprout_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for SgtBeansprout_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: ShaboiShabazz_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for ShaboiShabazz_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Shadow1_16 Start: 9392, Stop: 10006, Start Num: 55
Candidate Starts for Shadow1_16:
(Start: 55 @9392 has 220 MA's), (81, 9437), (143, 9614), (158, 9671), (164, 9686), (178, 9731), (198, 9770), (200, 9776), (240, 9914), (248, 9941),

Gene: Shaobing_18 Start: 9573, Stop: 10184, Start Num: 57
Candidate Starts for Shaobing_18:

(Start: 57 @9573 has 46 MA's), (81, 9615), (133, 9753), (143, 9792), (158, 9849), (164, 9864), (178, 9909), (198, 9948), (200, 9954), (201, 9957), (214, 10005), (220, 10020), (237, 10077),

Gene: Shauna1_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for Shauna1_11:
(Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (85, 7758), (99, 7782), (102, 7788), (122, 7851), (148, 7962), (149, 7965), (150, 7968), (151, 7971), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: ShawBrad_13 Start: 7519, Stop: 8091, Start Num: 73
Candidate Starts for ShawBrad_13:
(Start: 73 @7519 has 55 MA's), (81, 7540), (92, 7561), (102, 7573), (150, 7732), (163, 7774), (172, 7807), (241, 7996), (273, 8080),

Gene: ShedlockHolmes_17 Start: 10567, Stop: 11178, Start Num: 51
Candidate Starts for ShedlockHolmes_17:
(Start: 51 @10567 has 9 MA's), (81, 10612), (143, 10789), (158, 10846), (164, 10861), (178, 10906), (183, 10918), (198, 10945), (200, 10951), (201, 10954), (211, 10990), (214, 11002), (220, 11017), (237, 11074), (240, 11089), (247, 11113),

Gene: Sheng711_13 Start: 8672, Stop: 9574, Start Num: 50
Candidate Starts for Sheng711_13:
(Start: 50 @8672 has 270 MA's), (88, 8738), (161, 8960), (168, 8981), (202, 9062), (213, 9101), (227, 9143), (229, 9152), (253, 9239), (259, 9254), (277, 9293), (283, 9320), (289, 9356), (291, 9362), (295, 9395), (300, 9434), (301, 9437), (310, 9488), (317, 9539),

Gene: ShiLan_11 Start: 7537, Stop: 8418, Start Num: 16
Candidate Starts for ShiLan_11:
(Start: 16 @7537 has 10 MA's), (19, 7552), (Start: 29 @7609 has 269 MA's), (31, 7621), (72, 7699), (85, 7735), (99, 7759), (102, 7765), (122, 7828), (149, 7942), (150, 7945), (151, 7948), (158, 7978), (166, 7999), (168, 8008), (187, 8056), (189, 8062), (197, 8086), (232, 8224), (250, 8296), (257, 8317), (272, 8350), (278, 8368), (279, 8374),

Gene: ShiaSurprise_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for ShiaSurprise_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Shida_47 Start: 23699, Stop: 24514, Start Num: 29
Candidate Starts for Shida_47:
(Start: 29 @23699 has 269 MA's), (67, 23780), (122, 23921), (127, 23936), (149, 24035), (154, 24053), (173, 24116), (177, 24128), (184, 24143), (219, 24260), (249, 24386),

Gene: ShowerHandel_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for ShowerHandel_11:
(Start: 16 @7538 has 10 MA's), (19, 7553), (Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (187, 8057), (189, 8063), (197, 8087), (232, 8225), (250, 8297), (257, 8318), (272, 8351), (278, 8369), (279, 8375),

Gene: Shoya_11 Start: 7554, Stop: 8207, Start Num: 50
Candidate Starts for Shoya_11:

(Start: 50 @7554 has 270 MA's), (83, 7614), (130, 7719), (153, 7815), (155, 7824), (161, 7845), (169, 7869), (183, 7902), (278, 8181),

Gene: ShroomBoi_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for ShroomBoi_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: SiSi_11 Start: 7618, Stop: 8427, Start Num: 29
Candidate Starts for SiSi_11:
(Start: 29 @7618 has 269 MA's), (31, 7630), (67, 7699), (72, 7708), (99, 7768), (102, 7774), (122, 7837), (145, 7936), (149, 7951), (150, 7954), (158, 7987), (166, 8008), (168, 8017), (189, 8071), (232, 8233), (250, 8305), (257, 8326), (278, 8377), (279, 8383),

Gene: SilverChicken_14 Start: 7679, Stop: 8272, Start Num: 75
Candidate Starts for SilverChicken_14:
(Start: 75 @7679 has 42 MA's), (81, 7697), (131, 7814), (139, 7853), (157, 7919), (168, 7952), (172, 7964), (180, 7988), (211, 8060), (213, 8069), (217, 8081), (224, 8093), (231, 8117), (234, 8135),

Gene: Silverleaf_13 Start: 8989, Stop: 9891, Start Num: 50
Candidate Starts for Silverleaf_13:
(Start: 50 @8989 has 270 MA's), (88, 9055), (91, 9061), (129, 9145), (168, 9298), (172, 9310), (202, 9379), (213, 9418), (223, 9448), (229, 9469), (289, 9673), (295, 9712), (310, 9805), (312, 9829), (321, 9874),

Gene: SimranZ1_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for SimranZ1_12:
(Start: 29 @7460 has 269 MA's), (31, 7472), (72, 7550), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (148, 7790), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (189, 7913), (198, 7940), (232, 8075), (250, 8147), (257, 8168), (278, 8219), (279, 8225),

Gene: SirPhilip_17 Start: 9268, Stop: 9879, Start Num: 55
Candidate Starts for SirPhilip_17:
(Start: 55 @9268 has 220 MA's), (111, 9376), (133, 9448), (143, 9487), (158, 9544), (164, 9559), (178, 9604), (192, 9628), (198, 9643), (200, 9649), (211, 9688), (214, 9700), (240, 9787), (247, 9811), (268, 9862),

Gene: Sizemore_13 Start: 9855, Stop: 10469, Start Num: 55
Candidate Starts for Sizemore_13:
(Start: 55 @9855 has 220 MA's), (81, 9900), (95, 9924), (123, 10002), (131, 10023), (133, 10038), (158, 10134), (164, 10149), (171, 10173), (178, 10194), (198, 10233), (204, 10257), (207, 10266), (211, 10278), (231, 10335), (237, 10362), (240, 10377), (247, 10401),

Gene: Skinny_24 Start: 12816, Stop: 13715, Start Num: 50
Candidate Starts for Skinny_24:
(Start: 50 @12816 has 270 MA's), (98, 12897), (117, 12951), (119, 12957), (156, 13086), (168, 13125), (196, 13191), (212, 13245), (215, 13260), (227, 13293), (240, 13350), (243, 13362), (283, 13470), (291, 13512), (296, 13536), (303, 13584), (313, 13659), (320, 13692),

Gene: Skitty_12 Start: 7019, Stop: 7681, Start Num: 50
Candidate Starts for Skitty_12:

(Start: 50 @7019 has 270 MA's), (85, 7088), (97, 7106), (99, 7112), (141, 7241), (157, 7301), (168, 7337), (183, 7373), (190, 7385), (203, 7424), (229, 7508),

Gene: Skysand_37 Start: 22464, Stop: 23147, Start Num: 50
Candidate Starts for Skysand_37:
(Start: 50 @22464 has 270 MA's), (134, 22665), (171, 22797), (183, 22824), (209, 22896), (227, 22953), (243, 23022), (264, 23073), (278, 23112),

Gene: Slarp_19 Start: 11727, Stop: 12338, Start Num: 57
Candidate Starts for Slarp_19:
(Start: 57 @11727 has 46 MA's), (96, 11793), (98, 11799), (114, 11847), (133, 11904), (135, 11910), (140, 11931), (143, 11943), (158, 12000), (164, 12015), (198, 12099), (200, 12105), (211, 12144), (214, 12156), (220, 12171), (237, 12228), (240, 12243), (247, 12267), (257, 12297),

Gene: Slim_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Slim_12:
(Start: 29 @7463 has 269 MA's), (31, 7475), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (148, 7793), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: SlimJimmy_22 Start: 12815, Stop: 13714, Start Num: 50
Candidate Starts for SlimJimmy_22:
(Start: 50 @12815 has 270 MA's), (98, 12896), (117, 12950), (119, 12956), (156, 13085), (168, 13124), (196, 13190), (212, 13244), (215, 13259), (227, 13292), (240, 13349), (243, 13361), (291, 13511), (296, 13535), (303, 13583), (313, 13658), (315, 13664), (320, 13691),

Gene: Slimphazie_18 Start: 10505, Stop: 11119, Start Num: 55
Candidate Starts for Slimphazie_18:
(Start: 55 @10505 has 220 MA's), (81, 10550), (131, 10673), (143, 10727), (158, 10784), (164, 10799), (198, 10883), (200, 10889), (211, 10928), (214, 10940), (226, 10967), (237, 11012), (240, 11027), (247, 11051), (270, 11108),

Gene: Smooch_49 Start: 24987, Stop: 25802, Start Num: 29
Candidate Starts for Smooch_49:
(Start: 29 @24987 has 269 MA's), (67, 25068), (122, 25209), (127, 25224), (149, 25323), (154, 25341), (173, 25404), (177, 25416), (184, 25431), (219, 25548), (249, 25674),

Gene: Smoothie_43 Start: 17914, Stop: 18579, Start Num: 50
Candidate Starts for Smoothie_43:
(Start: 50 @17914 has 270 MA's), (100, 18004), (213, 18361), (259, 18514),

Gene: Sneeze_13 Start: 9836, Stop: 10456, Start Num: 55
Candidate Starts for Sneeze_13:
(Start: 55 @9836 has 220 MA's), (95, 9911), (131, 10010), (133, 10025), (158, 10121), (164, 10136), (168, 10151), (171, 10160), (178, 10181), (198, 10220), (204, 10244), (207, 10253), (211, 10265), (229, 10316), (231, 10322), (236, 10346), (240, 10364), (247, 10388),

Gene: Snenia_14 Start: 9124, Stop: 10026, Start Num: 50
Candidate Starts for Snenia_14:
(Start: 50 @9124 has 270 MA's), (88, 9190), (161, 9412), (168, 9433), (202, 9514), (227, 9595), (229, 9604), (253, 9691), (259, 9706), (277, 9745), (293, 9838), (301, 9889), (310, 9940),

Gene: SoJulia_13 Start: 9002, Stop: 9901, Start Num: 50

Candidate Starts for SoJulia_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (291, 9689), (310, 9815), (321, 9884),

Gene: SoSeph_16 Start: 10657, Stop: 11268, Start Num: 55
Candidate Starts for SoSeph_16:
(Start: 55 @10657 has 220 MA's), (81, 10702), (143, 10879), (158, 10936), (164, 10951), (168, 10966), (198, 11035), (200, 11041), (211, 11080), (220, 11107), (233, 11146), (237, 11164), (240, 11179), (247, 11203), (257, 11233),

Gene: Soap141_13 Start: 9035, Stop: 9934, Start Num: 50
Candidate Starts for Soap141_13:
(Start: 50 @9035 has 270 MA's), (88, 9098), (100, 9119), (129, 9188), (161, 9320), (168, 9341), (202, 9422), (227, 9503), (229, 9512), (255, 9602), (259, 9614), (277, 9653), (289, 9716), (291, 9722), (302, 9803), (310, 9848), (321, 9917),

Gene: Soilmate_14 Start: 8578, Stop: 9216, Start Num: 74
Candidate Starts for Soilmate_14:
(Start: 73 @8575 has 55 MA's), (Start: 74 @8578 has 41 MA's), (111, 8668), (114, 8683), (133, 8749), (156, 8836), (180, 8911), (191, 8935), (211, 8983), (231, 9040), (239, 9079), (269, 9163), (280, 9199),

Gene: Solid_11 Start: 7163, Stop: 7783, Start Num: 75
Candidate Starts for Solid_11:
(Start: 69 @7151 has 12 MA's), (Start: 74 @7160 has 41 MA's), (Start: 75 @7163 has 42 MA's), (117, 7256), (141, 7343), (211, 7532), (212, 7535), (214, 7544), (239, 7628), (243, 7643), (245, 7649), (260, 7691), (268, 7709),

Gene: Soul22_14 Start: 7679, Stop: 8272, Start Num: 75
Candidate Starts for Soul22_14:
(30, 7577), (Start: 75 @7679 has 42 MA's), (81, 7697), (131, 7814), (139, 7853), (157, 7919), (168, 7952), (172, 7964), (180, 7988), (211, 8060), (212, 8063), (217, 8081), (224, 8093), (231, 8117), (234, 8135),

Gene: Sparkdehlily_11 Start: 7624, Stop: 8433, Start Num: 29
Candidate Starts for Sparkdehlily_11:
(Start: 16 @7552 has 10 MA's), (Start: 20 @7567 has 2 MA's), (Start: 29 @7624 has 269 MA's), (31, 7636), (72, 7714), (85, 7750), (99, 7774), (102, 7780), (122, 7843), (149, 7957), (150, 7960), (151, 7963), (158, 7993), (166, 8014), (168, 8023), (189, 8077), (198, 8104), (232, 8239), (250, 8311), (257, 8332), (278, 8383), (279, 8389),

Gene: Sparky_11 Start: 8045, Stop: 8707, Start Num: 58
Candidate Starts for Sparky_11:
(Start: 58 @8045 has 3 MA's), (Start: 73 @8066 has 55 MA's), (126, 8195), (138, 8243), (148, 8285), (156, 8312), (160, 8327), (210, 8459), (231, 8528), (278, 8678),

Gene: Spartacus_11 Start: 7617, Stop: 8426, Start Num: 29
Candidate Starts for Spartacus_11:
(Start: 29 @7617 has 269 MA's), (31, 7629), (67, 7698), (72, 7707), (85, 7743), (99, 7767), (102, 7773), (122, 7836), (148, 7947), (149, 7950), (150, 7953), (151, 7956), (158, 7986), (166, 8007), (168, 8016), (189, 8070), (250, 8304), (257, 8325), (278, 8376), (279, 8382),

Gene: Spartoi_11 Start: 7044, Stop: 7571, Start Num: 77

Candidate Starts for Spartoi_11:
(Start: 77 @7044 has 1 MA's), (109, 7104), (159, 7290), (162, 7296), (231, 7458), (262, 7563),

Gene: SpeedDemon_250 Start: 15649, Stop: 16305, Start Num: 50
Candidate Starts for SpeedDemon_250:
(28, 15592), (Start: 50 @15649 has 270 MA's), (80, 15700), (88, 15715), (183, 15994),

Gene: Spikelee_12 Start: 7461, Stop: 8270, Start Num: 29
Candidate Starts for Spikelee_12:
(Start: 14 @7386 has 3 MA's), (Start: 16 @7389 has 10 MA's), (Start: 20 @7404 has 2 MA's), (Start: 29 @7461 has 269 MA's), (31, 7473), (72, 7551), (85, 7587), (99, 7611), (102, 7617), (122, 7680), (149, 7794), (150, 7797), (151, 7800), (158, 7830), (166, 7851), (168, 7860), (187, 7908), (189, 7914), (198, 7941), (232, 8076), (250, 8148), (257, 8169), (278, 8220), (279, 8226),

Gene: Splinter_17 Start: 10694, Stop: 11284, Start Num: 86
Candidate Starts for Splinter_17:
(Start: 86 @10694 has 10 MA's), (103, 10727), (114, 10760), (121, 10778), (139, 10856), (213, 11090), (214, 11093), (226, 11120), (243, 11192),

Gene: Spock_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Spock_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Spooky_13 Start: 7512, Stop: 8081, Start Num: 73
Candidate Starts for Spooky_13:
(Start: 73 @7512 has 55 MA's), (81, 7533), (92, 7554), (102, 7566), (150, 7725), (163, 7767), (172, 7800), (217, 7908), (241, 7989),

Gene: Spoonbill_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for Spoonbill_11:
(Start: 20 @7553 has 2 MA's), (Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (189, 8063), (197, 8087), (198, 8090), (232, 8225), (250, 8297), (257, 8318), (272, 8351), (278, 8369), (279, 8375),

Gene: Squiddly_14 Start: 8181, Stop: 8753, Start Num: 73
Candidate Starts for Squiddly_14:
(Start: 73 @8181 has 55 MA's), (81, 8202), (92, 8223), (102, 8235), (150, 8394), (163, 8436), (172, 8469), (241, 8658), (273, 8742),

Gene: Squirty_12 Start: 7454, Stop: 8263, Start Num: 29
Candidate Starts for Squirty_12:
(Start: 29 @7454 has 269 MA's), (31, 7466), (72, 7544), (85, 7580), (99, 7604), (102, 7610), (122, 7673), (149, 7787), (150, 7790), (151, 7793), (158, 7823), (166, 7844), (168, 7853), (189, 7907), (232, 8069), (250, 8141), (257, 8162), (271, 8192), (278, 8213), (279, 8219),

Gene: StAnnes_11 Start: 7632, Stop: 8441, Start Num: 29
Candidate Starts for StAnnes_11:
(Start: 29 @7632 has 269 MA's), (31, 7644), (67, 7713), (72, 7722), (99, 7782), (102, 7788), (122, 7851), (149, 7965), (150, 7968), (158, 8001), (166, 8022), (168, 8031), (189, 8085), (232, 8247), (250, 8319), (257, 8340), (278, 8391), (279, 8397),

Gene: Stap_12 Start: 7461, Stop: 8270, Start Num: 29
Candidate Starts for Stap_12:
(10, 7353), (Start: 20 @7404 has 2 MA's), (Start: 29 @7461 has 269 MA's), (31, 7473), (85, 7587), (99, 7611), (102, 7617), (122, 7680), (149, 7794), (150, 7797), (151, 7800), (158, 7830), (166, 7851), (168, 7860), (189, 7914), (232, 8076), (250, 8148), (257, 8169), (278, 8220), (279, 8226),

Gene: StarStruck_36 Start: 22001, Stop: 22684, Start Num: 50
Candidate Starts for StarStruck_36:
(Start: 50 @22001 has 270 MA's), (134, 22202), (171, 22334), (209, 22433), (212, 22442), (227, 22490), (243, 22559), (278, 22649),

Gene: Starcevich_12 Start: 7390, Stop: 8271, Start Num: 16
Candidate Starts for Starcevich_12:
(Start: 16 @7390 has 10 MA's), (19, 7405), (Start: 29 @7462 has 269 MA's), (31, 7474), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (189, 7915), (232, 8077), (250, 8149), (257, 8170), (278, 8221), (279, 8227),

Gene: Stargaze_13 Start: 10149, Stop: 10772, Start Num: 55
Candidate Starts for Stargaze_13:
(Start: 55 @10149 has 220 MA's), (95, 10227), (114, 10284), (131, 10326), (133, 10341), (158, 10437), (164, 10452), (171, 10476), (178, 10497), (198, 10536), (204, 10560), (220, 10608), (231, 10638), (240, 10680), (247, 10704),

Gene: Stellammi_10 Start: 6989, Stop: 7576, Start Num: 73
Candidate Starts for Stellammi_10:
(59, 6965), (Start: 73 @6989 has 55 MA's), (102, 7043), (122, 7094), (137, 7151), (163, 7244), (168, 7265), (180, 7301), (195, 7328), (200, 7340), (205, 7361), (208, 7370), (234, 7460), (243, 7496), (245, 7502), (247, 7508), (256, 7535),

Gene: Stickynote_25 Start: 16738, Stop: 17400, Start Num: 50
Candidate Starts for Stickynote_25:
(Start: 50 @16738 has 270 MA's), (62, 16756), (97, 16819), (99, 16825), (171, 17059), (209, 17155), (227, 17212), (231, 17227), (278, 17371),

Gene: Stinson_18 Start: 10468, Stop: 11079, Start Num: 56
Candidate Starts for Stinson_18:
(Start: 56 @10468 has 5 MA's), (81, 10510), (131, 10633), (143, 10687), (158, 10744), (164, 10759), (178, 10804), (198, 10843), (200, 10849), (211, 10888), (214, 10900), (226, 10927), (237, 10972), (240, 10987), (247, 11011),

Gene: Stormborn_11 Start: 7159, Stop: 7797, Start Num: 75
Candidate Starts for Stormborn_11:
(Start: 68 @7147 has 3 MA's), (Start: 74 @7156 has 41 MA's), (Start: 75 @7159 has 42 MA's), (141, 7339), (211, 7528), (212, 7531), (231, 7585), (239, 7624), (243, 7639), (245, 7645), (260, 7687), (268, 7705),

Gene: Strobilo_14 Start: 8532, Stop: 9146, Start Num: 50
Candidate Starts for Strobilo_14:
(Start: 50 @8532 has 270 MA's), (78, 8571), (81, 8580), (158, 8814), (164, 8829), (168, 8844), (178, 8874), (198, 8913), (200, 8919), (210, 8955), (214, 8970), (226, 8997), (237, 9042), (240, 9057), (247, 9081),

Gene: Strokeseat_11 Start: 7599, Stop: 8408, Start Num: 29
Candidate Starts for Strokeseat_11:
(Start: 20 @7542 has 2 MA's), (Start: 29 @7599 has 269 MA's), (31, 7611), (72, 7689), (85, 7725), (99, 7749), (102, 7755), (122, 7818), (148, 7929), (149, 7932), (150, 7935), (151, 7938), (158, 7968), (166, 7989), (168, 7998), (187, 8046), (189, 8052), (197, 8076), (198, 8079), (232, 8214), (250, 8286), (257, 8307), (272, 8340), (278, 8358), (279, 8364),

Gene: Stuck_12 Start: 8470, Stop: 9267, Start Num: 29
Candidate Starts for Stuck_12:
(13, 8380), (23, 8428), (Start: 29 @8470 has 269 MA's), (72, 8566), (123, 8701), (149, 8806), (198, 8953), (227, 9067), (257, 9175), (263, 9181),

Gene: Studio_14 Start: 7913, Stop: 8494, Start Num: 73
Candidate Starts for Studio_14:
(Start: 73 @7913 has 55 MA's), (207, 8294), (227, 8348), (269, 8480),

Gene: Sukkupi_37 Start: 21116, Stop: 21796, Start Num: 50
Candidate Starts for Sukkupi_37:
(Start: 50 @21116 has 270 MA's), (133, 21311), (155, 21395), (171, 21446), (209, 21545), (227, 21602), (243, 21671), (264, 21722), (278, 21761),

Gene: Sulley_18 Start: 10474, Stop: 11088, Start Num: 55
Candidate Starts for Sulley_18:
(Start: 55 @10474 has 220 MA's), (81, 10519), (131, 10642), (143, 10696), (158, 10753), (164, 10768), (198, 10852), (200, 10858), (211, 10897), (214, 10909), (226, 10936), (237, 10981), (240, 10996), (247, 11020), (270, 11077),

Gene: Sunflower1121_16 Start: 9403, Stop: 10017, Start Num: 55
Candidate Starts for Sunflower1121_16:
(Start: 55 @9403 has 220 MA's), (81, 9448), (143, 9625), (158, 9682), (164, 9697), (178, 9742), (198, 9781), (200, 9787), (240, 9925), (248, 9952),

Gene: SuperGrey_11 Start: 7599, Stop: 8408, Start Num: 29
Candidate Starts for SuperGrey_11:
(Start: 29 @7599 has 269 MA's), (31, 7611), (67, 7680), (85, 7725), (99, 7749), (102, 7755), (122, 7818), (149, 7932), (150, 7935), (158, 7968), (166, 7989), (168, 7998), (189, 8052), (198, 8079), (200, 8085), (232, 8214), (250, 8286), (257, 8307), (278, 8358), (279, 8364),

Gene: SuperSulley_36 Start: 22185, Stop: 22868, Start Num: 50
Candidate Starts for SuperSulley_36:
(Start: 50 @22185 has 270 MA's), (134, 22386), (171, 22518), (209, 22617), (212, 22626), (227, 22674), (243, 22743), (278, 22833),

Gene: Supernova_11 Start: 7163, Stop: 7804, Start Num: 75
Candidate Starts for Supernova_11:
(Start: 69 @7151 has 12 MA's), (Start: 74 @7160 has 41 MA's), (Start: 75 @7163 has 42 MA's), (117, 7256), (129, 7286), (141, 7343), (151, 7379), (211, 7532), (212, 7535), (231, 7589), (239, 7628), (243, 7643), (245, 7649), (260, 7691), (268, 7709),

Gene: SwagPigglett_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for SwagPigglett_11:
(Start: 16 @7538 has 10 MA's), (19, 7553), (Start: 29 @7610 has 269 MA's), (31, 7622), (72, 7700), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979),

(166, 8000), (168, 8009), (187, 8057), (189, 8063), (197, 8087), (232, 8225), (250, 8297), (257, 8318), (272, 8351), (278, 8369), (279, 8375),

Gene: Sweets_13 Start: 9849, Stop: 10463, Start Num: 55
Candidate Starts for Sweets_13:
(Start: 55 @9849 has 220 MA's), (81, 9894), (95, 9918), (123, 9996), (131, 10017), (133, 10032), (158, 10128), (164, 10143), (171, 10167), (178, 10188), (198, 10227), (204, 10251), (207, 10260), (211, 10272), (231, 10329), (237, 10356), (240, 10371), (247, 10395),

Gene: Syleon_22 Start: 12411, Stop: 13070, Start Num: 48
Candidate Starts for Syleon_22:
(Start: 43 @12396 has 2 MA's), (Start: 48 @12411 has 14 MA's), (62, 12432), (76, 12453), (79, 12462), (100, 12501), (107, 12522), (117, 12552), (131, 12582), (146, 12651), (156, 12687), (204, 12816), (212, 12840), (230, 12900), (234, 12921), (236, 12927), (259, 12999), (276, 13035),

Gene: Syra333_17 Start: 9500, Stop: 10114, Start Num: 55
Candidate Starts for Syra333_17:
(Start: 55 @9500 has 220 MA's), (81, 9545), (143, 9722), (158, 9779), (164, 9794), (168, 9809), (178, 9839), (198, 9878), (200, 9884), (240, 10022), (248, 10049), (268, 10097),

Gene: TBond007_17 Start: 10318, Stop: 10929, Start Num: 51
Candidate Starts for TBond007_17:
(Start: 51 @10318 has 9 MA's), (81, 10363), (143, 10540), (158, 10597), (164, 10612), (178, 10657), (198, 10696), (200, 10702), (201, 10705), (211, 10741), (214, 10753), (220, 10768), (237, 10825), (240, 10840), (247, 10864),

Gene: TChen_12 Start: 8033, Stop: 8845, Start Num: 29
Candidate Starts for TChen_12:
(Start: 29 @8033 has 269 MA's), (72, 8123), (85, 8159), (144, 8348), (148, 8363), (149, 8366), (170, 8438), (198, 8513), (227, 8630), (232, 8648), (257, 8741), (270, 8768), (284, 8825),

Gene: TClif_17 Start: 9491, Stop: 10102, Start Num: 55
Candidate Starts for TClif_17:
(32, 9443), (Start: 55 @9491 has 220 MA's), (Start: 75 @9515 has 42 MA's), (133, 9671), (143, 9710), (158, 9767), (164, 9782), (168, 9797), (178, 9827), (198, 9866), (200, 9872), (211, 9911), (214, 9923), (226, 9950), (240, 10010), (247, 10034), (256, 10061), (268, 10085),

Gene: TDanisky_11 Start: 7624, Stop: 8433, Start Num: 29
Candidate Starts for TDanisky_11:
(Start: 16 @7552 has 10 MA's), (Start: 20 @7567 has 2 MA's), (Start: 29 @7624 has 269 MA's), (31, 7636), (72, 7714), (85, 7750), (99, 7774), (102, 7780), (122, 7843), (149, 7957), (150, 7960), (151, 7963), (158, 7993), (166, 8014), (168, 8023), (189, 8077), (198, 8104), (232, 8239), (250, 8311), (257, 8332), (278, 8383), (279, 8389),

Gene: TM4_14 Start: 8590, Stop: 9204, Start Num: 50
Candidate Starts for TM4_14:
(Start: 50 @8590 has 270 MA's), (81, 8638), (158, 8872), (164, 8887), (168, 8902), (178, 8932), (192, 8956), (198, 8971), (200, 8977), (211, 9016), (214, 9028), (220, 9043), (237, 9100), (240, 9115), (247, 9139), (257, 9169),

Gene: TMaxx_14 Start: 8024, Stop: 8605, Start Num: 73
Candidate Starts for TMaxx_14:
(Start: 73 @8024 has 55 MA's), (82, 8051), (223, 8447),

Gene: TZGordon_19 Start: 10836, Stop: 11426, Start Num: 86
Candidate Starts for TZGordon_19:
(Start: 86 @10836 has 10 MA's), (103, 10869), (114, 10902), (121, 10920), (174, 11121), (213, 11232), (214, 11235), (226, 11262), (243, 11334),

Gene: Tachez_18 Start: 10467, Stop: 11081, Start Num: 55
Candidate Starts for Tachez_18:
(Start: 55 @10467 has 220 MA's), (81, 10512), (131, 10635), (143, 10689), (158, 10746), (164, 10761), (198, 10845), (200, 10851), (211, 10890), (214, 10902), (226, 10929), (237, 10974), (240, 10989), (247, 11013),

Gene: Taheera_13 Start: 9846, Stop: 10466, Start Num: 55
Candidate Starts for Taheera_13:
(Start: 55 @9846 has 220 MA's), (95, 9921), (133, 10035), (158, 10131), (164, 10146), (168, 10161), (178, 10191), (198, 10230), (204, 10254), (207, 10263), (211, 10275), (229, 10326), (231, 10332), (236, 10356), (240, 10374), (247, 10398),

Gene: TaiwanKao_19 Start: 10474, Stop: 11088, Start Num: 55
Candidate Starts for TaiwanKao_19:
(Start: 55 @10474 has 220 MA's), (81, 10519), (131, 10642), (143, 10696), (158, 10753), (164, 10768), (198, 10852), (200, 10858), (211, 10897), (214, 10909), (226, 10936), (237, 10981), (240, 10996), (247, 11020), (270, 11077),

Gene: Taj_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Taj_11:
(Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Taquito_17 Start: 11314, Stop: 11925, Start Num: 57
Candidate Starts for Taquito_17:
(Start: 57 @11314 has 46 MA's), (96, 11380), (98, 11386), (114, 11434), (133, 11491), (135, 11497), (140, 11518), (143, 11530), (158, 11587), (164, 11602), (168, 11617), (198, 11686), (200, 11692), (220, 11758), (237, 11815), (240, 11830), (247, 11854), (257, 11884),

Gene: Tchotchke_12 Start: 7461, Stop: 8270, Start Num: 29
Candidate Starts for Tchotchke_12:
(Start: 16 @7389 has 10 MA's), (Start: 20 @7404 has 2 MA's), (Start: 29 @7461 has 269 MA's), (31, 7473), (72, 7551), (85, 7587), (99, 7611), (102, 7617), (122, 7680), (149, 7794), (150, 7797), (151, 7800), (158, 7830), (166, 7851), (168, 7860), (187, 7908), (189, 7914), (198, 7941), (232, 8076), (250, 8148), (251, 8151), (257, 8169), (278, 8220), (279, 8226),

Gene: Teejan_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for Teejan_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: TelAviv_44 Start: 23853, Stop: 24668, Start Num: 29
Candidate Starts for TelAviv_44:
(Start: 29 @23853 has 269 MA's), (67, 23934), (122, 24075), (127, 24090), (149, 24189), (154, 24207), (173, 24270), (177, 24282), (184, 24297), (219, 24414), (249, 24540),

Gene: Terror_13 Start: 9846, Stop: 10466, Start Num: 55
Candidate Starts for Terror_13:
(Start: 55 @9846 has 220 MA's), (95, 9921), (133, 10035), (158, 10131), (164, 10146), (168, 10161), (178, 10191), (198, 10230), (204, 10254), (207, 10263), (211, 10275), (229, 10326), (231, 10332), (236, 10356), (240, 10374), (247, 10398),

Gene: Tesla_44 Start: 18666, Stop: 19331, Start Num: 50
Candidate Starts for Tesla_44:
(Start: 50 @18666 has 270 MA's), (88, 18732), (129, 18825), (133, 18852), (155, 18936), (179, 19008), (229, 19155), (231, 19161), (237, 19188), (239, 19200),

Gene: ThetaBob_12 Start: 7916, Stop: 8728, Start Num: 29
Candidate Starts for ThetaBob_12:
(Start: 29 @7916 has 269 MA's), (72, 8006), (85, 8042), (144, 8231), (148, 8246), (149, 8249), (170, 8321), (198, 8396), (227, 8513), (232, 8531), (257, 8624), (270, 8651), (284, 8708),

Gene: Thyatira_16 Start: 10529, Stop: 11140, Start Num: 55
Candidate Starts for Thyatira_16:
(Start: 55 @10529 has 220 MA's), (81, 10574), (102, 10616), (143, 10751), (158, 10808), (164, 10823), (168, 10838), (198, 10907), (200, 10913), (211, 10952), (214, 10964), (220, 10979), (233, 11018), (237, 11036), (240, 11051), (247, 11075), (257, 11105),

Gene: Tierra_17 Start: 10220, Stop: 10834, Start Num: 55
Candidate Starts for Tierra_17:
(Start: 55 @10220 has 220 MA's), (Start: 69 @10232 has 12 MA's), (81, 10265), (143, 10442), (158, 10499), (164, 10514), (168, 10529), (178, 10559), (198, 10598), (200, 10604), (226, 10682), (240, 10742), (248, 10769),

Gene: Tigress9_17 Start: 9483, Stop: 10097, Start Num: 55
Candidate Starts for Tigress9_17:
(Start: 55 @9483 has 220 MA's), (81, 9528), (143, 9705), (158, 9762), (164, 9777), (168, 9792), (178, 9822), (198, 9861), (200, 9867), (240, 10005), (248, 10032), (268, 10080),

Gene: TinaBug_13 Start: 9849, Stop: 10463, Start Num: 55
Candidate Starts for TinaBug_13:
(Start: 55 @9849 has 220 MA's), (81, 9894), (95, 9918), (131, 10017), (133, 10032), (158, 10128), (164, 10143), (168, 10158), (171, 10167), (178, 10188), (198, 10227), (204, 10251), (207, 10260), (211, 10272), (231, 10329), (237, 10356), (240, 10371), (247, 10395),

Gene: TinaLin_20 Start: 11401, Stop: 11997, Start Num: 86
Candidate Starts for TinaLin_20:
(Start: 86 @11401 has 10 MA's), (121, 11485), (128, 11509), (139, 11563), (174, 11686), (213, 11797), (214, 11800), (217, 11809), (226, 11827), (235, 11866), (252, 11917),

Gene: TingHuaYa_18 Start: 9532, Stop: 10146, Start Num: 57
Candidate Starts for TingHuaYa_18:
(Start: 57 @9532 has 46 MA's), (81, 9577), (133, 9715), (143, 9754), (158, 9811), (168, 9841), (178, 9871), (198, 9910), (200, 9916), (211, 9955), (237, 10039), (247, 10078), (257, 10108), (268, 10129),

Gene: TiniBug_18 Start: 10446, Stop: 11060, Start Num: 55
Candidate Starts for TiniBug_18:

(Start: 55 @10446 has 220 MA's), (72, 10464), (81, 10491), (143, 10668), (158, 10725), (164, 10740), (168, 10755), (178, 10785), (198, 10824), (200, 10830), (211, 10869), (214, 10881), (226, 10908), (237, 10953), (240, 10968), (247, 10992),

Gene: Tiri_18 Start: 10513, Stop: 11127, Start Num: 55
Candidate Starts for Tiri_18:
(Start: 55 @10513 has 220 MA's), (81, 10558), (131, 10681), (143, 10735), (158, 10792), (164, 10807), (198, 10891), (200, 10897), (211, 10936), (214, 10948), (226, 10975), (237, 11020), (240, 11035), (247, 11059),

Gene: Toast_14 Start: 8626, Stop: 9306, Start Num: 58
Candidate Starts for Toast_14:
(Start: 58 @8626 has 3 MA's), (Start: 73 @8653 has 55 MA's), (Start: 74 @8656 has 41 MA's), (111, 8746), (114, 8761), (142, 8863), (155, 8911), (180, 8989), (191, 9013), (205, 9043), (211, 9061), (239, 9157), (269, 9241),

Gene: ToastyOats_18 Start: 9715, Stop: 10383, Start Num: 50
Candidate Starts for ToastyOats_18:
(Start: 50 @9715 has 270 MA's), (158, 10003), (203, 10123), (240, 10255), (259, 10309),

Gene: TomBrady_13 Start: 9855, Stop: 10469, Start Num: 55
Candidate Starts for TomBrady_13:
(Start: 55 @9855 has 220 MA's), (81, 9900), (95, 9924), (123, 10002), (131, 10023), (133, 10038), (158, 10134), (164, 10149), (171, 10173), (178, 10194), (198, 10233), (204, 10257), (207, 10266), (211, 10278), (231, 10335), (237, 10362), (240, 10377), (247, 10401),

Gene: Toniann_42 Start: 17859, Stop: 18524, Start Num: 50
Candidate Starts for Toniann_42:
(Start: 50 @17859 has 270 MA's), (100, 17949), (213, 18306), (259, 18459),

Gene: Toodles_16 Start: 9447, Stop: 10112, Start Num: 50
Candidate Starts for Toodles_16:
(Start: 50 @9447 has 270 MA's), (128, 9606), (154, 9717), (158, 9735), (203, 9855), (253, 10026), (259, 10041),

Gene: TootsiePop_12 Start: 7464, Stop: 8273, Start Num: 29
Candidate Starts for TootsiePop_12:
(Start: 20 @7407 has 2 MA's), (Start: 29 @7464 has 269 MA's), (31, 7476), (72, 7554), (85, 7590), (99, 7614), (102, 7620), (122, 7683), (149, 7797), (150, 7800), (151, 7803), (158, 7833), (166, 7854), (168, 7863), (189, 7917), (198, 7944), (232, 8079), (250, 8151), (257, 8172), (278, 8223), (279, 8229),

Gene: Tootsieroll_12 Start: 7461, Stop: 8270, Start Num: 29
Candidate Starts for Tootsieroll_12:
(10, 7353), (Start: 20 @7404 has 2 MA's), (Start: 29 @7461 has 269 MA's), (31, 7473), (85, 7587), (99, 7611), (102, 7617), (122, 7680), (149, 7794), (150, 7797), (151, 7800), (158, 7830), (166, 7851), (168, 7860), (189, 7914), (232, 8076), (250, 8148), (257, 8169), (278, 8220), (279, 8226),

Gene: Topiatin_13 Start: 8283, Stop: 9092, Start Num: 29
Candidate Starts for Topiatin_13:
(Start: 29 @8283 has 269 MA's), (31, 8295), (67, 8364), (72, 8373), (99, 8433), (102, 8439), (122, 8502), (149, 8616), (150, 8619), (151, 8622), (158, 8652), (166, 8673), (168, 8682), (189, 8736), (232, 8898), (250, 8970), (257, 8991), (278, 9042), (279, 9048),

Gene: Topper_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Topper_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Toron_12 Start: 8033, Stop: 8845, Start Num: 29
Candidate Starts for Toron_12:
(Start: 29 @8033 has 269 MA's), (59, 8099), (72, 8123), (85, 8159), (144, 8348), (148, 8363), (149, 8366), (170, 8438), (197, 8510), (227, 8630), (232, 8648), (257, 8741), (284, 8825),

Gene: Torres_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for Torres_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: Totinger_12 Start: 7463, Stop: 8272, Start Num: 29
Candidate Starts for Totinger_12:
(Start: 29 @7463 has 269 MA's), (31, 7475), (72, 7553), (85, 7589), (99, 7613), (102, 7619), (122, 7682), (148, 7793), (149, 7796), (150, 7799), (151, 7802), (158, 7832), (166, 7853), (168, 7862), (189, 7916), (232, 8078), (250, 8150), (257, 8171), (278, 8222), (279, 8228),

Gene: Tourach_13 Start: 9015, Stop: 9917, Start Num: 50
Candidate Starts for Tourach_13:
(Start: 50 @9015 has 270 MA's), (88, 9081), (129, 9171), (161, 9303), (168, 9324), (202, 9405), (213, 9444), (223, 9474), (227, 9486), (229, 9495), (255, 9585), (259, 9597), (277, 9636), (289, 9699), (310, 9831), (321, 9900),

Gene: Towmatter_22 Start: 13548, Stop: 14204, Start Num: 50
Candidate Starts for Towmatter_22:
(28, 13491), (Start: 50 @13548 has 270 MA's), (64, 13569), (80, 13599), (157, 13824), (198, 13926), (233, 14046), (259, 14133), (260, 14136), (264, 14142),

Gene: TpudiCK_24 Start: 12815, Stop: 13714, Start Num: 50
Candidate Starts for TpudiCK_24:
(Start: 50 @12815 has 270 MA's), (98, 12896), (117, 12950), (119, 12956), (156, 13085), (168, 13124), (196, 13190), (212, 13244), (215, 13259), (227, 13292), (240, 13349), (243, 13361), (283, 13469), (291, 13511), (296, 13535), (303, 13583), (313, 13658), (320, 13691),

Gene: Tracker_35 Start: 21197, Stop: 21880, Start Num: 50
Candidate Starts for Tracker_35:
(Start: 50 @21197 has 270 MA's), (62, 21215), (107, 21308), (133, 21395), (134, 21398), (171, 21530), (209, 21629), (227, 21686), (243, 21755), (255, 21785), (264, 21806), (278, 21845),

Gene: Trax_21 Start: 12158, Stop: 12817, Start Num: 48
Candidate Starts for Trax_21:
(Start: 48 @12158 has 14 MA's), (78, 12206), (79, 12209), (107, 12269), (117, 12299), (146, 12398), (151, 12416), (156, 12434), (169, 12476), (174, 12494), (176, 12500), (221, 12617), (236, 12674), (241, 12695), (259, 12746), (261, 12752),

Gene: TreyKay_18 Start: 10468, Stop: 11082, Start Num: 55
Candidate Starts for TreyKay_18:

(Start: 55 @10468 has 220 MA's), (81, 10513), (131, 10636), (143, 10690), (158, 10747), (164, 10762), (198, 10846), (200, 10852), (211, 10891), (214, 10903), (237, 10975), (240, 10990), (247, 11014), (270, 11071),

Gene: TriFive_14 Start: 9123, Stop: 10025, Start Num: 50
Candidate Starts for TriFive_14:
(Start: 50 @9123 has 270 MA's), (88, 9189), (161, 9411), (168, 9432), (202, 9513), (227, 9594), (229, 9603), (253, 9690), (259, 9705), (277, 9744), (293, 9837), (301, 9888), (310, 9939),

Gene: TribleTrouble_16 Start: 10378, Stop: 10989, Start Num: 52
Candidate Starts for TribleTrouble_16:
(Start: 52 @10378 has 2 MA's), (81, 10423), (143, 10600), (158, 10657), (164, 10672), (178, 10717), (198, 10756), (200, 10762), (201, 10765), (214, 10813), (220, 10828), (237, 10885), (240, 10900), (247, 10924),

Gene: Trice_14 Start: 9777, Stop: 10388, Start Num: 55
Candidate Starts for Trice_14:
(Start: 55 @9777 has 220 MA's), (Start: 74 @9798 has 41 MA's), (81, 9819), (131, 9942), (133, 9957), (143, 9996), (158, 10053), (164, 10068), (178, 10113), (198, 10152), (200, 10158), (211, 10197), (214, 10209), (237, 10281), (240, 10296), (247, 10320), (257, 10350),

Gene: TripleC_17 Start: 11530, Stop: 12108, Start Num: 73
Candidate Starts for TripleC_17:
(Start: 73 @11530 has 55 MA's), (82, 11557), (223, 11953), (251, 12058),

Gene: TruffulaTree_18 Start: 10501, Stop: 11115, Start Num: 55
Candidate Starts for TruffulaTree_18:
(Start: 55 @10501 has 220 MA's), (81, 10546), (131, 10669), (143, 10723), (158, 10780), (164, 10795), (198, 10879), (200, 10885), (211, 10924), (214, 10936), (226, 10963), (237, 11008), (240, 11023), (247, 11047), (270, 11104),

Gene: Turuncu_39 Start: 22468, Stop: 23151, Start Num: 50
Candidate Starts for Turuncu_39:
(Start: 50 @22468 has 270 MA's), (134, 22669), (171, 22801), (209, 22900), (221, 22939), (227, 22957), (243, 23026), (264, 23077), (278, 23116),

Gene: Tweety_11 Start: 7633, Stop: 8442, Start Num: 29
Candidate Starts for Tweety_11:
(Start: 29 @7633 has 269 MA's), (31, 7645), (67, 7714), (72, 7723), (99, 7783), (102, 7789), (122, 7852), (149, 7966), (150, 7969), (151, 7972), (158, 8002), (166, 8023), (168, 8032), (189, 8086), (232, 8248), (250, 8320), (257, 8341), (278, 8392), (279, 8398),

Gene: Twitch_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Twitch_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (131, 10709), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: TyDawg_23 Start: 12816, Stop: 13715, Start Num: 50
Candidate Starts for TyDawg_23:
(Start: 50 @12816 has 270 MA's), (98, 12897), (117, 12951), (119, 12957), (156, 13086), (168, 13125), (196, 13191), (212, 13245), (215, 13260), (227, 13293), (240, 13350), (243, 13362), (283, 13470), (291, 13512), (296, 13536), (303, 13584), (313, 13659), (320, 13692),

Gene: Typha_19 Start: 12487, Stop: 13128, Start Num: 39
Candidate Starts for Typha_19:
(Start: 39 @12487 has 2 MA's), (54, 12517), (Start: 73 @12547 has 55 MA's), (93, 12592), (150, 12763), (165, 12814), (168, 12826), (178, 12856), (211, 12940), (223, 12970), (237, 13024), (269, 13117),

Gene: Tyson_13 Start: 8989, Stop: 9891, Start Num: 50
Candidate Starts for Tyson_13:
(Start: 50 @8989 has 270 MA's), (88, 9055), (91, 9061), (129, 9145), (168, 9298), (172, 9310), (202, 9379), (213, 9418), (223, 9448), (229, 9469), (289, 9673), (295, 9712), (310, 9805), (312, 9829), (321, 9874),

Gene: UPIE_13 Start: 8987, Stop: 9889, Start Num: 50
Candidate Starts for UPIE_13:
(Start: 50 @8987 has 270 MA's), (88, 9053), (91, 9059), (129, 9143), (168, 9296), (172, 9308), (202, 9377), (213, 9416), (223, 9446), (229, 9467), (289, 9671), (295, 9710), (310, 9803), (312, 9827), (321, 9872),

Gene: UmaThurman_14 Start: 8786, Stop: 9424, Start Num: 74
Candidate Starts for UmaThurman_14:
(Start: 73 @8783 has 55 MA's), (Start: 74 @8786 has 41 MA's), (111, 8876), (114, 8891), (156, 9044), (180, 9119), (191, 9143), (211, 9191), (231, 9248), (239, 9287), (269, 9371), (280, 9407),

Gene: UncleRicky_12 Start: 7390, Stop: 8271, Start Num: 16
Candidate Starts for UncleRicky_12:
(Start: 16 @7390 has 10 MA's), (Start: 20 @7405 has 2 MA's), (Start: 29 @7462 has 269 MA's), (31, 7474), (67, 7543), (72, 7552), (85, 7588), (99, 7612), (102, 7618), (122, 7681), (148, 7792), (149, 7795), (150, 7798), (151, 7801), (158, 7831), (166, 7852), (168, 7861), (189, 7915), (250, 8149), (257, 8170), (278, 8221), (279, 8227),

Gene: Underpass_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Underpass_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (291, 9689), (310, 9815), (321, 9884),

Gene: Unicorn_17 Start: 9556, Stop: 10170, Start Num: 55
Candidate Starts for Unicorn_17:
(Start: 55 @9556 has 220 MA's), (Start: 69 @9568 has 12 MA's), (81, 9601), (143, 9778), (158, 9835), (164, 9850), (168, 9865), (178, 9895), (198, 9934), (200, 9940), (214, 9991), (226, 10018), (240, 10078), (248, 10105),

Gene: Urkel_18 Start: 10446, Stop: 11060, Start Num: 55
Candidate Starts for Urkel_18:
(Start: 55 @10446 has 220 MA's), (72, 10464), (81, 10491), (143, 10668), (158, 10725), (164, 10740), (168, 10755), (178, 10785), (198, 10824), (200, 10830), (211, 10869), (214, 10881), (226, 10908), (237, 10953), (240, 10968), (247, 10992),

Gene: Utz_14 Start: 8653, Stop: 9291, Start Num: 74
Candidate Starts for Utz_14:
(Start: 73 @8650 has 55 MA's), (Start: 74 @8653 has 41 MA's), (111, 8743), (114, 8758), (156, 8911), (180, 8986), (191, 9010), (211, 9058), (231, 9115), (239, 9154), (269, 9238), (280, 9274),

Gene: VRedHorse_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for VRedHorse_11:
(Start: 29 @7611 has 269 MA's), (31, 7623), (72, 7701), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (187, 8058), (189, 8064), (198, 8091), (232, 8226), (250, 8298), (251, 8301), (257, 8319), (278, 8370), (279, 8376),

Gene: Vagabond_47 Start: 23686, Stop: 24501, Start Num: 29
Candidate Starts for Vagabond_47:
(Start: 29 @23686 has 269 MA's), (67, 23767), (122, 23908), (127, 23923), (149, 24022), (154, 24040), (173, 24103), (177, 24115), (184, 24130), (219, 24247), (249, 24373),

Gene: Validus_18 Start: 9492, Stop: 10103, Start Num: 57
Candidate Starts for Validus_18:
(Start: 57 @9492 has 46 MA's), (81, 9534), (112, 9603), (114, 9615), (133, 9672), (143, 9711), (158, 9768), (164, 9783), (178, 9828), (198, 9867), (200, 9873), (201, 9876), (211, 9912), (220, 9939), (237, 9996), (248, 10038),

Gene: VanLee_14 Start: 8706, Stop: 9605, Start Num: 48
Candidate Starts for VanLee_14:
(Start: 48 @8706 has 14 MA's), (101, 8796), (116, 8841), (119, 8850), (227, 9183), (283, 9357), (304, 9480), (317, 9573),

Gene: VasuNzinga_45 Start: 18250, Stop: 18915, Start Num: 50
Candidate Starts for VasuNzinga_45:
(Start: 50 @18250 has 270 MA's), (88, 18316), (129, 18409), (133, 18436), (155, 18520), (179, 18592), (229, 18739), (231, 18745), (237, 18772), (239, 18784),

Gene: Veliki_18 Start: 10544, Stop: 11155, Start Num: 55
Candidate Starts for Veliki_18:
(Start: 55 @10544 has 220 MA's), (81, 10586), (143, 10763), (158, 10820), (164, 10835), (198, 10919), (200, 10925), (211, 10964), (214, 10976), (226, 11003), (237, 11048), (240, 11063), (247, 11087), (270, 11144),

Gene: Velveteen_12 Start: 7460, Stop: 8269, Start Num: 29
Candidate Starts for Velveteen_12:
(Start: 20 @7403 has 2 MA's), (Start: 29 @7460 has 269 MA's), (31, 7472), (85, 7586), (99, 7610), (102, 7616), (122, 7679), (149, 7793), (150, 7796), (151, 7799), (158, 7829), (166, 7850), (168, 7859), (189, 7913), (232, 8075), (257, 8168), (278, 8219), (279, 8225),

Gene: Vendetta_17 Start: 10694, Stop: 11284, Start Num: 86
Candidate Starts for Vendetta_17:
(Start: 86 @10694 has 10 MA's), (103, 10727), (114, 10760), (121, 10778), (139, 10856), (213, 11090), (214, 11093), (226, 11120), (243, 11192),

Gene: Veteran_11 Start: 7625, Stop: 8434, Start Num: 29
Candidate Starts for Veteran_11:
(9, 7517), (19, 7568), (Start: 29 @7625 has 269 MA's), (31, 7637), (67, 7706), (85, 7751), (99, 7775), (102, 7781), (122, 7844), (149, 7958), (150, 7961), (151, 7964), (158, 7994), (166, 8015), (168, 8024), (189, 8078), (232, 8240), (250, 8312), (257, 8333), (278, 8384), (279, 8390),

Gene: Vetrix_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Vetrix_13:

(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Violac_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for Violac_11:
(Start: 20 @7554 has 2 MA's), (Start: 29 @7611 has 269 MA's), (31, 7623), (72, 7701), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (189, 8064), (198, 8091), (232, 8226), (250, 8298), (257, 8319), (272, 8352), (278, 8370), (279, 8376),

Gene: ViviJ_15 Start: 10385, Stop: 10996, Start Num: 55
Candidate Starts for ViviJ_15:
(Start: 55 @10385 has 220 MA's), (81, 10430), (143, 10607), (158, 10664), (164, 10679), (168, 10694), (198, 10763), (200, 10769), (211, 10808), (220, 10835), (237, 10892), (240, 10907), (247, 10931), (257, 10961),

Gene: Vivum_11 Start: 7610, Stop: 8419, Start Num: 29
Candidate Starts for Vivum_11:
(Start: 29 @7610 has 269 MA's), (31, 7622), (85, 7736), (99, 7760), (102, 7766), (122, 7829), (149, 7943), (150, 7946), (151, 7949), (158, 7979), (166, 8000), (168, 8009), (189, 8063), (232, 8225), (250, 8297), (257, 8318), (278, 8369), (279, 8375),

Gene: Volt_47 Start: 17900, Stop: 18457, Start Num: 75
Candidate Starts for Volt_47:
(Start: 75 @17900 has 42 MA's), (81, 17918), (112, 17981), (178, 18206), (195, 18224), (200, 18233), (211, 18272), (214, 18284), (239, 18371),

Gene: Vorrps_46 Start: 23445, Stop: 24260, Start Num: 29
Candidate Starts for Vorrps_46:
(Start: 29 @23445 has 269 MA's), (67, 23526), (122, 23667), (127, 23682), (149, 23781), (154, 23799), (173, 23862), (177, 23874), (184, 23889), (219, 24006), (249, 24132),

Gene: Wachhund_11 Start: 7602, Stop: 8411, Start Num: 29
Candidate Starts for Wachhund_11:
(Start: 20 @7545 has 2 MA's), (Start: 29 @7602 has 269 MA's), (31, 7614), (72, 7692), (85, 7728), (99, 7752), (102, 7758), (122, 7821), (149, 7935), (150, 7938), (151, 7941), (158, 7971), (166, 7992), (168, 8001), (187, 8049), (189, 8055), (198, 8082), (232, 8217), (250, 8289), (257, 8310), (278, 8361), (279, 8367),

Gene: Walrus_15 Start: 8881, Stop: 9519, Start Num: 74
Candidate Starts for Walrus_15:
(Start: 73 @8878 has 55 MA's), (Start: 74 @8881 has 41 MA's), (111, 8971), (114, 8986), (133, 9052), (156, 9139), (180, 9214), (191, 9238), (211, 9286), (231, 9343), (239, 9382), (269, 9466), (280, 9502),

Gene: Wamburgrxpress_13 Start: 8989, Stop: 9891, Start Num: 50
Candidate Starts for Wamburgrxpress_13:
(Start: 50 @8989 has 270 MA's), (88, 9055), (91, 9061), (129, 9145), (168, 9298), (172, 9310), (202, 9379), (213, 9418), (223, 9448), (229, 9469), (289, 9673), (295, 9712), (310, 9805), (312, 9829), (321, 9874),

Gene: Waterfoul_16 Start: 10551, Stop: 11162, Start Num: 55
Candidate Starts for Waterfoul_16:

(Start: 55 @10551 has 220 MA's), (81, 10596), (102, 10638), (143, 10773), (158, 10830), (164, 10845), (168, 10860), (198, 10929), (200, 10935), (211, 10974), (214, 10986), (220, 11001), (233, 11040), (237, 11058), (240, 11073), (247, 11097), (257, 11127),

Gene: Wee_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Wee_11:
(Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (99, 7781), (102, 7787), (122, 7850), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Wendigo_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Wendigo_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Whack_12 Start: 7754, Stop: 8692, Start Num: 50
Candidate Starts for Whack_12:
(35, 7721), (Start: 43 @7736 has 2 MA's), (Start: 50 @7754 has 270 MA's), (94, 7841), (97, 7847), (120, 7904), (174, 8099), (183, 8114), (233, 8267), (240, 8303), (248, 8330), (249, 8333), (256, 8351), (294, 8495), (299, 8534),

Gene: Whatsapiecost_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for Whatsapiecost_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (145, 7949), (149, 7964), (150, 7967), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Wheezy_35 Start: 21402, Stop: 22085, Start Num: 50
Candidate Starts for Wheezy_35:
(Start: 50 @21402 has 270 MA's), (62, 21420), (107, 21513), (133, 21600), (134, 21603), (171, 21735), (209, 21834), (227, 21891), (243, 21960), (255, 21990), (264, 22011), (278, 22050),

Gene: Whirlwind_15 Start: 9117, Stop: 10016, Start Num: 50
Candidate Starts for Whirlwind_15:
(Start: 50 @9117 has 270 MA's), (88, 9183), (161, 9405), (168, 9426), (202, 9507), (227, 9588), (229, 9597), (259, 9699), (277, 9738), (289, 9801), (310, 9933), (321, 10002),

Gene: Whitney_13 Start: 7496, Stop: 8068, Start Num: 73
Candidate Starts for Whitney_13:
(Start: 73 @7496 has 55 MA's), (81, 7517), (92, 7538), (102, 7550), (150, 7709), (163, 7751), (172, 7784), (241, 7973), (273, 8057),

Gene: Whitty_14 Start: 9882, Stop: 10814, Start Num: 50
Candidate Starts for Whitty_14:
(Start: 50 @9882 has 270 MA's), (61, 9897), (113, 10002), (127, 10047), (183, 10245), (210, 10320), (231, 10389), (236, 10413), (273, 10524), (296, 10635), (298, 10653), (299, 10668), (308, 10707), (310, 10725), (316, 10764),

Gene: WhoseManz_37 Start: 19168, Stop: 19848, Start Num: 50
Candidate Starts for WhoseManz_37:
(Start: 50 @19168 has 270 MA's), (133, 19363), (155, 19447), (171, 19498), (183, 19525), (209, 19597), (227, 19654), (243, 19723), (264, 19774), (278, 19813),

Gene: Whouxphf_11 Start: 7602, Stop: 8411, Start Num: 29
Candidate Starts for Whouxphf_11:
(Start: 20 @7545 has 2 MA's), (Start: 29 @7602 has 269 MA's), (31, 7614), (85, 7728), (99, 7752), (102, 7758), (122, 7821), (149, 7935), (150, 7938), (151, 7941), (158, 7971), (166, 7992), (168, 8001), (189, 8055), (197, 8079), (198, 8082), (232, 8217), (250, 8289), (257, 8310), (278, 8361), (279, 8367),

Gene: Wigglewiggle_13 Start: 9035, Stop: 9934, Start Num: 50
Candidate Starts for Wigglewiggle_13:
(Start: 50 @9035 has 270 MA's), (88, 9098), (100, 9119), (129, 9188), (161, 9320), (168, 9341), (202, 9422), (227, 9503), (229, 9512), (255, 9602), (259, 9614), (277, 9653), (289, 9716), (291, 9722), (302, 9803), (310, 9848), (312, 9872), (321, 9917),

Gene: Wildcat_35 Start: 15870, Stop: 16781, Start Num: 50
Candidate Starts for Wildcat_35:
(Start: 50 @15870 has 270 MA's), (76, 15909), (88, 15936), (89, 15939), (98, 15951), (103, 15966), (168, 16179), (196, 16245), (198, 16251), (234, 16380), (243, 16416), (281, 16515), (285, 16536), (296, 16590), (297, 16593), (306, 16653), (309, 16677), (310, 16680), (311, 16689), (315, 16716), (319, 16746), (320, 16758),

Gene: Wilder_13 Start: 9002, Stop: 9901, Start Num: 50
Candidate Starts for Wilder_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (291, 9689), (310, 9815), (321, 9884),

Gene: Wildflower_47 Start: 23431, Stop: 24246, Start Num: 29
Candidate Starts for Wildflower_47:
(Start: 29 @23431 has 269 MA's), (67, 23512), (122, 23653), (127, 23668), (149, 23767), (154, 23785), (173, 23848), (177, 23860), (184, 23875), (219, 23992), (249, 24118),

Gene: WillSterrel_11 Start: 7617, Stop: 8426, Start Num: 29
Candidate Starts for WillSterrel_11:
(Start: 29 @7617 has 269 MA's), (31, 7629), (67, 7698), (72, 7707), (85, 7743), (99, 7767), (102, 7773), (122, 7836), (148, 7947), (149, 7950), (150, 7953), (151, 7956), (158, 7986), (166, 8007), (168, 8016), (189, 8070), (250, 8304), (257, 8325), (278, 8376), (279, 8382),

Gene: William_14 Start: 8602, Stop: 9252, Start Num: 74
Candidate Starts for William_14:
(Start: 58 @8572 has 3 MA's), (Start: 73 @8599 has 55 MA's), (Start: 74 @8602 has 41 MA's), (111, 8692), (114, 8707), (142, 8809), (155, 8857), (180, 8935), (191, 8959), (205, 8989), (211, 9007), (239, 9103), (269, 9187),

Gene: WilliamBoone_42 Start: 17223, Stop: 17888, Start Num: 50
Candidate Starts for WilliamBoone_42:
(Start: 50 @17223 has 270 MA's), (160, 17523), (183, 17583), (213, 17670),

Gene: Winget_48 Start: 24125, Stop: 24940, Start Num: 29
Candidate Starts for Winget_48:
(Start: 29 @24125 has 269 MA's), (67, 24206), (122, 24347), (127, 24362), (149, 24461), (154, 24479), (173, 24542), (177, 24554), (184, 24569), (219, 24686), (249, 24812),

Gene: Winky_13 Start: 9002, Stop: 9901, Start Num: 50

Candidate Starts for Winky_13:
(Start: 50 @9002 has 270 MA's), (88, 9065), (100, 9086), (129, 9155), (161, 9287), (168, 9308), (202, 9389), (227, 9470), (229, 9479), (255, 9569), (259, 9581), (277, 9620), (289, 9683), (291, 9689), (302, 9770), (310, 9815), (321, 9884),

Gene: Wintermute_19 Start: 11716, Stop: 12327, Start Num: 57
Candidate Starts for Wintermute_19:
(Start: 57 @11716 has 46 MA's), (96, 11782), (98, 11788), (114, 11836), (133, 11893), (135, 11899), (140, 11920), (143, 11932), (158, 11989), (164, 12004), (198, 12088), (200, 12094), (211, 12133), (214, 12145), (220, 12160), (237, 12217), (240, 12232), (247, 12256), (257, 12286),

Gene: Wisp_13 Start: 8419, Stop: 9057, Start Num: 74
Candidate Starts for Wisp_13:
(Start: 73 @8416 has 55 MA's), (Start: 74 @8419 has 41 MA's), (111, 8509), (114, 8524), (133, 8590), (156, 8677), (180, 8752), (191, 8776), (211, 8824), (231, 8881), (239, 8920), (269, 9004), (280, 9040),

Gene: Wizzo_11 Start: 7174, Stop: 7815, Start Num: 75
Candidate Starts for Wizzo_11:
(Start: 48 @7126 has 14 MA's), (Start: 51 @7132 has 9 MA's), (53, 7135), (61, 7150), (64, 7156), (Start: 68 @7162 has 3 MA's), (Start: 74 @7171 has 41 MA's), (Start: 75 @7174 has 42 MA's), (117, 7267), (141, 7354), (151, 7390), (211, 7543), (212, 7546), (231, 7600), (239, 7639), (243, 7654), (245, 7660), (260, 7702), (268, 7720),

Gene: Wocket_15 Start: 8904, Stop: 9542, Start Num: 74
Candidate Starts for Wocket_15:
(Start: 73 @8901 has 55 MA's), (Start: 74 @8904 has 41 MA's), (111, 8994), (114, 9009), (133, 9075), (167, 9195), (180, 9237), (191, 9261), (211, 9309), (239, 9405), (269, 9489), (280, 9525),

Gene: Wogge42_46 Start: 23764, Stop: 24579, Start Num: 29
Candidate Starts for Wogge42_46:
(Start: 29 @23764 has 269 MA's), (67, 23845), (122, 23986), (127, 24001), (136, 24046), (149, 24100), (154, 24118), (173, 24181), (177, 24193), (184, 24208), (219, 24325), (249, 24451),

Gene: Wyatt2_13 Start: 8989, Stop: 9891, Start Num: 50
Candidate Starts for Wyatt2_13:
(Start: 50 @8989 has 270 MA's), (88, 9055), (91, 9061), (129, 9145), (168, 9298), (172, 9310), (202, 9379), (213, 9418), (223, 9448), (229, 9469), (289, 9673), (295, 9712), (310, 9805), (312, 9829), (321, 9874),

Gene: XFactor_11 Start: 7631, Stop: 8440, Start Num: 29
Candidate Starts for XFactor_11:
(Start: 17 @7559 has 1 MA's), (Start: 29 @7631 has 269 MA's), (31, 7643), (67, 7712), (72, 7721), (85, 7757), (99, 7781), (102, 7787), (122, 7850), (148, 7961), (149, 7964), (150, 7967), (151, 7970), (158, 8000), (166, 8021), (168, 8030), (189, 8084), (232, 8246), (250, 8318), (257, 8339), (278, 8390), (279, 8396),

Gene: Ximenita_18 Start: 9678, Stop: 10292, Start Num: 55
Candidate Starts for Ximenita_18:
(Start: 55 @9678 has 220 MA's), (81, 9723), (143, 9900), (158, 9957), (164, 9972), (168, 9987), (178, 10017), (198, 10056), (200, 10062), (214, 10113), (240, 10200), (248, 10227), (268, 10275),

Gene: Xula_12 Start: 8498, Stop: 9298, Start Num: 29
Candidate Starts for Xula_12:

(Start: 22 @8447 has 1 MA's), (Start: 29 @8498 has 269 MA's), (72, 8594), (102, 8657), (127, 8735), (149, 8834), (158, 8870), (238, 9146), (257, 9206), (263, 9212),

Gene: Y10_19 Start: 11716, Stop: 12327, Start Num: 57
Candidate Starts for Y10_19:
(Start: 57 @11716 has 46 MA's), (96, 11782), (98, 11788), (114, 11836), (133, 11893), (135, 11899), (140, 11920), (143, 11932), (164, 12004), (198, 12088), (200, 12094), (211, 12133), (214, 12145), (220, 12160), (237, 12217), (240, 12232), (247, 12256), (257, 12286),

Gene: Y2_19 Start: 11716, Stop: 12327, Start Num: 57
Candidate Starts for Y2_19:
(Start: 57 @11716 has 46 MA's), (96, 11782), (98, 11788), (114, 11836), (133, 11893), (135, 11899), (140, 11920), (143, 11932), (164, 12004), (198, 12088), (200, 12094), (211, 12133), (214, 12145), (220, 12160), (237, 12217), (240, 12232), (247, 12256), (257, 12286),

Gene: YangYin_13 Start: 10149, Stop: 10772, Start Num: 55
Candidate Starts for YangYin_13:
(Start: 55 @10149 has 220 MA's), (72, 10176), (95, 10227), (114, 10284), (131, 10326), (133, 10341), (158, 10437), (164, 10452), (171, 10476), (178, 10497), (198, 10536), (204, 10560), (220, 10608), (231, 10638), (240, 10680), (247, 10704),

Gene: YasnayaPolyana_19 Start: 11717, Stop: 12328, Start Num: 57
Candidate Starts for YasnayaPolyana_19:
(Start: 57 @11717 has 46 MA's), (96, 11783), (98, 11789), (114, 11837), (133, 11894), (135, 11900), (140, 11921), (143, 11933), (158, 11990), (164, 12005), (198, 12089), (200, 12095), (211, 12134), (214, 12146), (220, 12161), (237, 12218), (240, 12233), (247, 12257), (257, 12287),

Gene: Yndexa_37 Start: 21116, Stop: 21796, Start Num: 50
Candidate Starts for Yndexa_37:
(Start: 50 @21116 has 270 MA's), (133, 21311), (155, 21395), (171, 21446), (209, 21545), (227, 21602), (243, 21671), (264, 21722), (278, 21761),

Gene: Yonex_16 Start: 9383, Stop: 10051, Start Num: 50
Candidate Starts for Yonex_16:
(Start: 50 @9383 has 270 MA's), (141, 9605), (158, 9671), (203, 9791), (240, 9923), (259, 9977),

Gene: Yorick_11 Start: 7608, Stop: 8417, Start Num: 29
Candidate Starts for Yorick_11:
(Start: 16 @7536 has 10 MA's), (Start: 20 @7551 has 2 MA's), (Start: 29 @7608 has 269 MA's), (31, 7620), (72, 7698), (85, 7734), (99, 7758), (102, 7764), (122, 7827), (149, 7941), (150, 7944), (151, 7947), (158, 7977), (166, 7998), (168, 8007), (187, 8055), (189, 8061), (198, 8088), (232, 8223), (250, 8295), (257, 8316), (272, 8349), (278, 8367), (279, 8373),

Gene: Yoshi_14 Start: 7678, Stop: 8271, Start Num: 75
Candidate Starts for Yoshi_14:
(Start: 75 @7678 has 42 MA's), (81, 7696), (131, 7813), (139, 7852), (157, 7918), (168, 7951), (172, 7963), (180, 7987), (211, 8059), (213, 8068), (217, 8080), (224, 8092), (231, 8116), (234, 8134),

Gene: YoureAdopted_17 Start: 10477, Stop: 11088, Start Num: 55
Candidate Starts for YoureAdopted_17:
(Start: 55 @10477 has 220 MA's), (81, 10519), (131, 10642), (143, 10696), (158, 10753), (164, 10768), (198, 10852), (200, 10858), (211, 10897), (214, 10909), (226, 10936), (237, 10981), (240, 10996), (247, 11020), (270, 11077),

Gene: YoyoKar_45 Start: 23409, Stop: 24224, Start Num: 29
Candidate Starts for YoyoKar_45:
(Start: 29 @23409 has 269 MA's), (67, 23490), (122, 23631), (127, 23646), (149, 23745), (154, 23763), (173, 23826), (177, 23838), (184, 23853), (219, 23970), (249, 24096),

Gene: Yuna_18 Start: 9613, Stop: 10227, Start Num: 57
Candidate Starts for Yuna_18:
(Start: 57 @9613 has 46 MA's), (81, 9658), (143, 9835), (158, 9892), (168, 9922), (178, 9952), (198, 9991), (200, 9997), (211, 10036), (214, 10048), (235, 10114), (247, 10159), (257, 10189), (268, 10210),

Gene: YungJamal_50 Start: 24164, Stop: 24979, Start Num: 29
Candidate Starts for YungJamal_50:
(Start: 29 @24164 has 269 MA's), (67, 24245), (122, 24386), (127, 24401), (149, 24500), (154, 24518), (173, 24581), (177, 24593), (184, 24608), (219, 24725), (249, 24851),

Gene: Yunkel11_18 Start: 9455, Stop: 10069, Start Num: 57
Candidate Starts for Yunkel11_18:
(Start: 57 @9455 has 46 MA's), (133, 9638), (143, 9677), (158, 9734), (168, 9764), (178, 9794), (198, 9833), (200, 9839), (211, 9878), (214, 9890), (237, 9962), (247, 10001), (257, 10031), (268, 10052),

Gene: Yvonnetastic_39 Start: 19249, Stop: 19914, Start Num: 50
Candidate Starts for Yvonnetastic_39:
(Start: 50 @19249 has 270 MA's), (102, 19342), (129, 19411), (183, 19600), (196, 19627), (249, 19816),

Gene: Zabiza_18 Start: 10502, Stop: 11116, Start Num: 55
Candidate Starts for Zabiza_18:
(Start: 55 @10502 has 220 MA's), (81, 10547), (131, 10670), (143, 10724), (158, 10781), (164, 10796), (198, 10880), (200, 10886), (211, 10925), (214, 10937), (226, 10964), (237, 11009), (240, 11024), (247, 11048), (270, 11105),

Gene: Zaheer_16 Start: 9472, Stop: 10140, Start Num: 50
Candidate Starts for Zaheer_16:
(Start: 50 @9472 has 270 MA's), (85, 9541), (141, 9694), (158, 9760), (203, 9880), (259, 10066),

Gene: Zakai_13 Start: 8990, Stop: 9889, Start Num: 50
Candidate Starts for Zakai_13:
(Start: 50 @8990 has 270 MA's), (88, 9053), (100, 9074), (129, 9143), (161, 9275), (168, 9296), (202, 9377), (227, 9458), (229, 9467), (255, 9557), (259, 9569), (277, 9608), (289, 9671), (291, 9677), (302, 9758), (310, 9803), (321, 9872),

Gene: Zakhe101_47 Start: 23575, Stop: 24390, Start Num: 29
Candidate Starts for Zakhe101_47:
(Start: 29 @23575 has 269 MA's), (67, 23656), (122, 23797), (127, 23812), (149, 23911), (154, 23929), (173, 23992), (177, 24004), (184, 24019), (219, 24136), (249, 24262),

Gene: Zapner_15 Start: 8203, Stop: 8796, Start Num: 75
Candidate Starts for Zapner_15:
(Start: 75 @8203 has 42 MA's), (81, 8221), (131, 8338), (139, 8377), (157, 8443), (168, 8476), (172, 8488), (180, 8512), (211, 8584), (213, 8593), (217, 8605), (224, 8617), (231, 8641), (234, 8659),

Gene: Zarbodnamra_14 Start: 8678, Stop: 9316, Start Num: 74
Candidate Starts for Zarbodnamra_14:
(Start: 73 @8675 has 55 MA's), (Start: 74 @8678 has 41 MA's), (111, 8768), (114, 8783), (156, 8936), (180, 9011), (191, 9035), (211, 9083), (231, 9140), (239, 9179), (269, 9263), (280, 9299),

Gene: Zaria_13 Start: 8990, Stop: 9892, Start Num: 50
Candidate Starts for Zaria_13:
(Start: 50 @8990 has 270 MA's), (88, 9056), (91, 9062), (129, 9146), (168, 9299), (172, 9311), (202, 9380), (213, 9419), (223, 9449), (229, 9470), (289, 9674), (295, 9713), (310, 9806), (312, 9830), (321, 9875),

Gene: Zavala_18 Start: 10483, Stop: 11097, Start Num: 55
Candidate Starts for Zavala_18:
(Start: 55 @10483 has 220 MA's), (81, 10528), (131, 10651), (143, 10705), (158, 10762), (164, 10777), (198, 10861), (200, 10867), (211, 10906), (214, 10918), (226, 10945), (237, 10990), (240, 11005), (247, 11029), (270, 11086),

Gene: Zebo_47 Start: 23859, Stop: 24674, Start Num: 29
Candidate Starts for Zebo_47:
(Start: 29 @23859 has 269 MA's), (67, 23940), (122, 24081), (127, 24096), (149, 24195), (154, 24213), (173, 24276), (177, 24288), (184, 24303), (219, 24420), (249, 24546),

Gene: ZenTime222_14 Start: 9882, Stop: 10814, Start Num: 50
Candidate Starts for ZenTime222_14:
(Start: 50 @9882 has 270 MA's), (61, 9897), (113, 10002), (127, 10047), (183, 10245), (210, 10320), (231, 10389), (236, 10413), (273, 10524), (296, 10635), (298, 10653), (299, 10668), (308, 10707), (310, 10725), (316, 10764),

Gene: Zerg_11 Start: 7611, Stop: 8420, Start Num: 29
Candidate Starts for Zerg_11:
(Start: 29 @7611 has 269 MA's), (31, 7623), (72, 7701), (85, 7737), (99, 7761), (102, 7767), (122, 7830), (149, 7944), (150, 7947), (151, 7950), (158, 7980), (166, 8001), (168, 8010), (189, 8064), (198, 8091), (232, 8226), (257, 8319), (278, 8370), (279, 8376),

Gene: ZhongYanYuan_12 Start: 8830, Stop: 9729, Start Num: 50
Candidate Starts for ZhongYanYuan_12:
(Start: 50 @8830 has 270 MA's), (88, 8893), (100, 8914), (129, 8983), (161, 9115), (168, 9136), (202, 9217), (227, 9298), (229, 9307), (255, 9397), (259, 9409), (277, 9448), (286, 9490), (289, 9511), (291, 9517), (310, 9643), (321, 9712),

Gene: ZiggyZoo_13 Start: 8448, Stop: 9086, Start Num: 74
Candidate Starts for ZiggyZoo_13:
(Start: 73 @8445 has 55 MA's), (Start: 74 @8448 has 41 MA's), (111, 8538), (114, 8553), (133, 8619), (156, 8706), (180, 8781), (191, 8805), (211, 8853), (231, 8910), (239, 8949), (269, 9033), (280, 9069),

Gene: Ziko_48 Start: 17840, Stop: 18397, Start Num: 75
Candidate Starts for Ziko_48:
(Start: 75 @17840 has 42 MA's), (81, 17858), (112, 17921), (178, 18146), (195, 18164), (200, 18173), (211, 18212), (214, 18224), (239, 18311),

Gene: Zilla_14 Start: 8728, Stop: 9366, Start Num: 74
Candidate Starts for Zilla_14:

(Start: 73 @8725 has 55 MA's), (Start: 74 @8728 has 41 MA's), (111, 8818), (114, 8833), (133, 8899), (156, 8986), (180, 9061), (191, 9085), (211, 9133), (231, 9190), (239, 9229), (269, 9313), (280, 9349),

Gene: Zion_23 Start: 15926, Stop: 16588, Start Num: 50
Candidate Starts for Zion_23:
(Start: 50 @15926 has 270 MA's), (62, 15944), (97, 16007), (99, 16013), (171, 16247), (209, 16343), (227, 16400), (231, 16415), (278, 16559),

Gene: Zizzle_11 Start: 7612, Stop: 8421, Start Num: 29
Candidate Starts for Zizzle_11:
(Start: 16 @7540 has 10 MA's), (19, 7555), (Start: 29 @7612 has 269 MA's), (31, 7624), (72, 7702), (85, 7738), (99, 7762), (102, 7768), (122, 7831), (149, 7945), (150, 7948), (151, 7951), (158, 7981), (166, 8002), (168, 8011), (187, 8059), (189, 8065), (197, 8089), (232, 8227), (250, 8299), (257, 8320), (272, 8353), (278, 8371), (279, 8377),

Gene: ZoMa_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for ZoMa_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: ZoeJ_14 Start: 8484, Stop: 9104, Start Num: 50
Candidate Starts for ZoeJ_14:
(Start: 50 @8484 has 270 MA's), (81, 8538), (133, 8676), (158, 8772), (164, 8787), (168, 8802), (178, 8832), (198, 8871), (200, 8877), (201, 8880), (211, 8916), (214, 8928), (220, 8943), (237, 9000), (240, 9015), (247, 9039), (269, 9090),

Gene: Zombie_13 Start: 9854, Stop: 10468, Start Num: 55
Candidate Starts for Zombie_13:
(Start: 55 @9854 has 220 MA's), (81, 9899), (95, 9923), (123, 10001), (131, 10022), (133, 10037), (158, 10133), (164, 10148), (171, 10172), (178, 10193), (198, 10232), (204, 10256), (207, 10265), (211, 10277), (231, 10334), (237, 10361), (240, 10376), (247, 10400),

Gene: Zucker_14 Start: 8546, Stop: 9211, Start Num: 50
Candidate Starts for Zucker_14:
(Start: 50 @8546 has 270 MA's), (76, 8591), (89, 8621), (130, 8714), (131, 8717), (139, 8756), (153, 8807), (197, 8927), (259, 9137), (271, 9167),