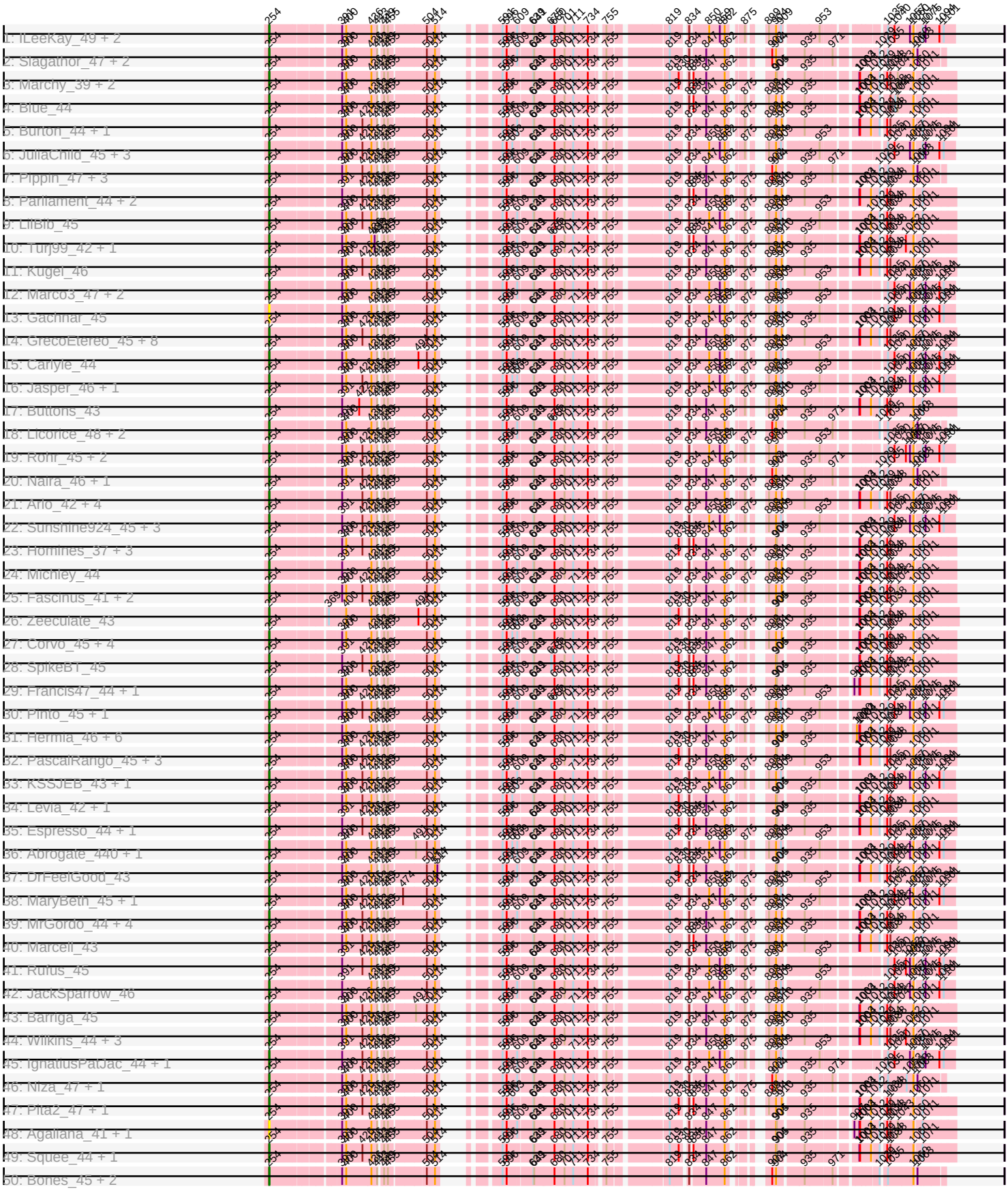
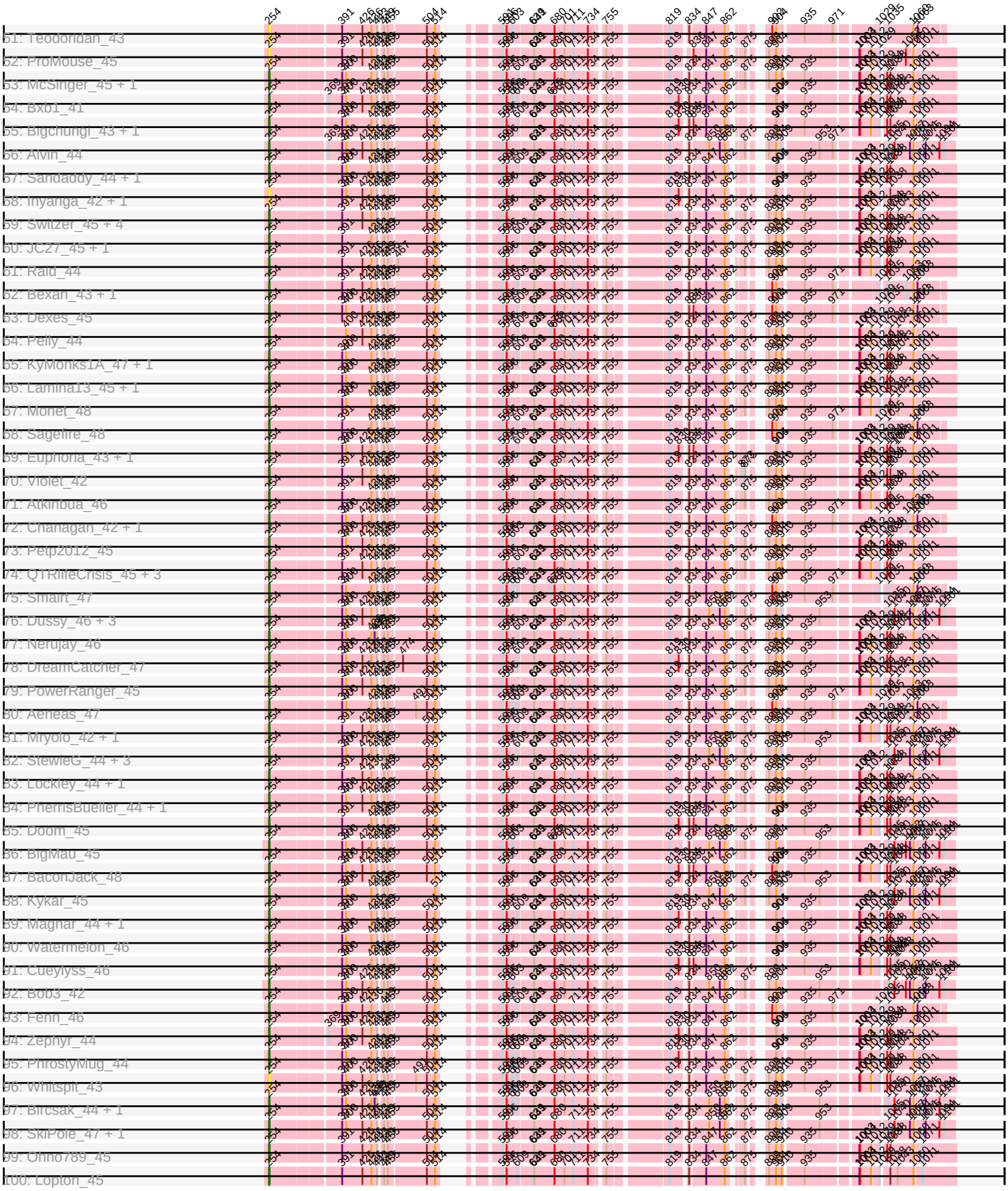
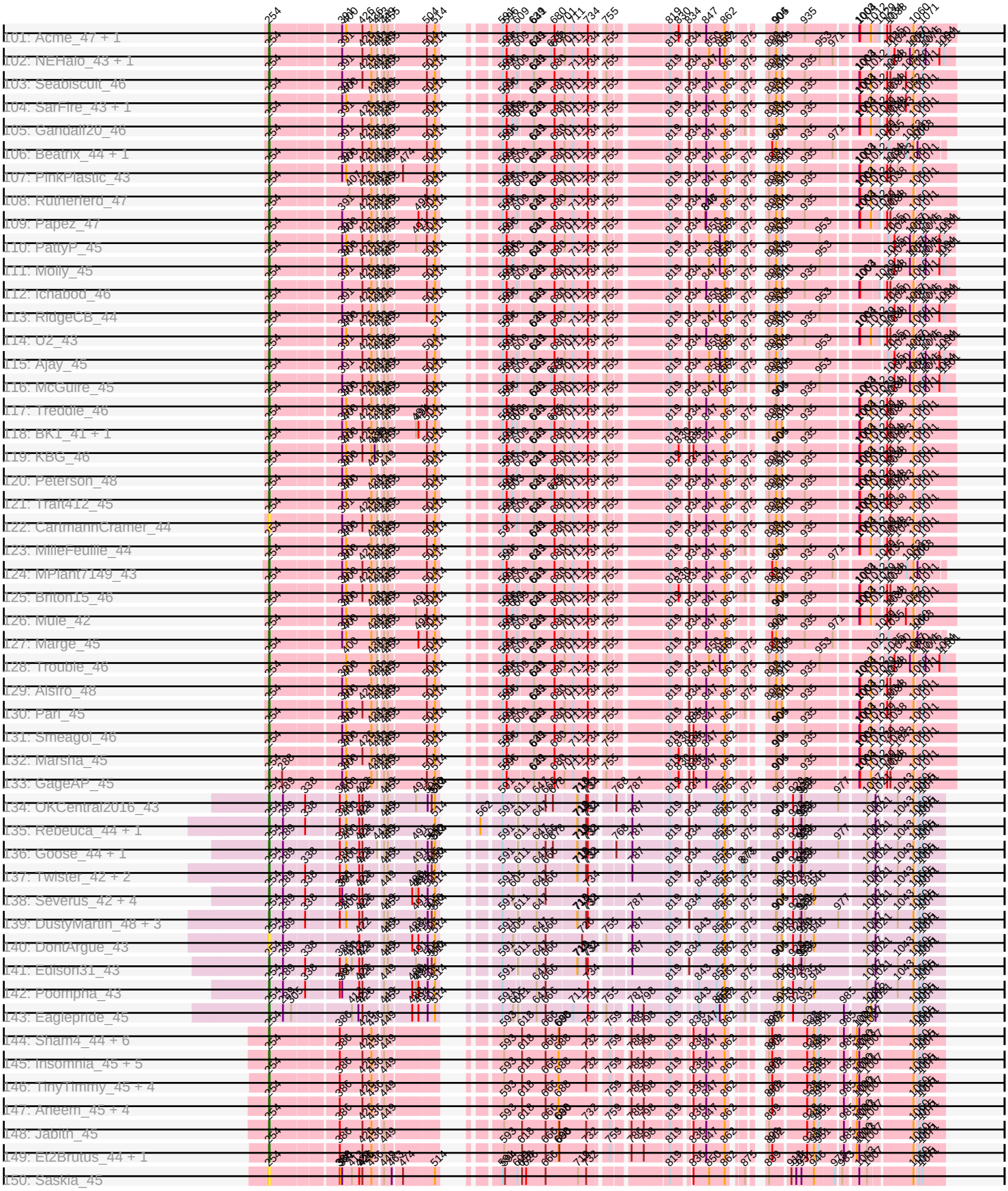
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1: ILeeKay_49 + 2
2: Slagathor_47 + 2
3: Marchy_39 + 2
4: Blue_44
5: Burton_44 + 1
6: JuliaChild_45 + 3
7: Pippin_47 + 3
8: Parliament_44 + 2
9: LilBib_45
10: Turj99_42 + 1
11: Kugel_46
12: Marco3_47 + 2
13: Gachnar_45
14: GrecoEtereo_45 + 8
15: Carlyle_44
16: Jasper_46 + 1
17: Buttons_43
18: Licorice_48 + 2
19: Rohr_45 + 2
20: Naira_46 + 1
21: Arlo_42 + 4
22: Sunshine924_45 + 3
23: Homines_37 + 3
24: Michley_44
25: Fascinus_41 + 2
26: Zeeculate_43
27: Corvo_45 + 4
28: SpikeBT_45
29: Francis47_44 + 1
30: Pinto_45 + 1
31: Hermia_46 + 6
32: PascalRango_45 + 3
33: KSSJEB_43 + 1
34: Levia_42 + 1
35: Espresso_44 + 1
36: Abrogate_440 + 1
37: DrFeelGood_43
38: MaryBeth_45 + 1
39: MrGordo_44 + 4
40: Marcell_43
41: Rufus_45
42: JackSparrow_46
43: Barriga_45
44: Wilkins_44 + 3
45: IgnatiusPatJac_44 + 1
46: Niza_47 + 1
47: Pita2_47 + 1
48: Agaliana_41 + 1
49: Squee_44 + 1
50: Bones_45 + 2

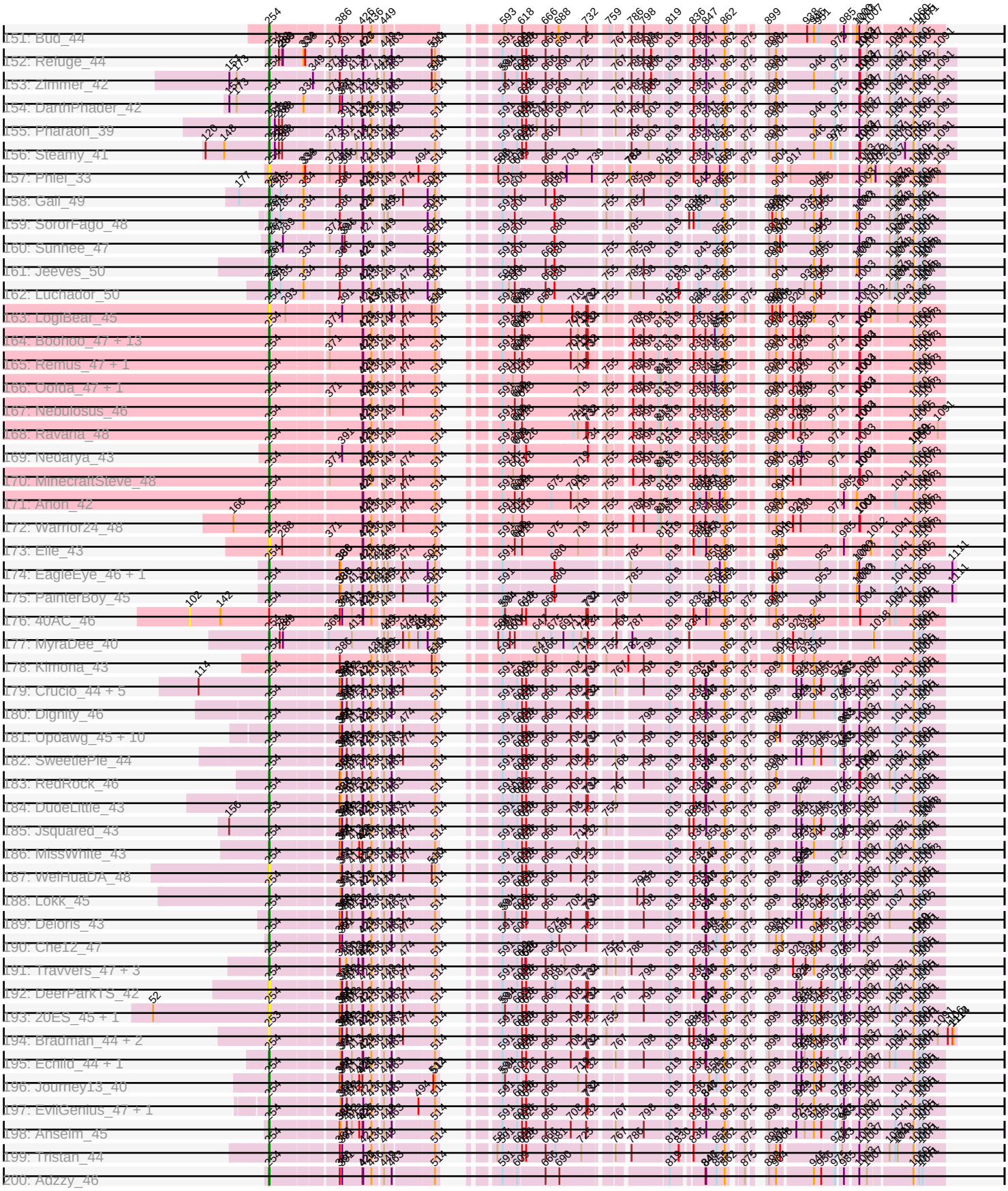
Pham 310995


51: Teodoridan_43
52: ProMouse_45
53: McSinger_45 + 1
54: Bxb1_41
55: Bigchungi_43 + 1
56: Alvin_44
57: Sandaddy_44 + 1
58: Inyanga_42 + 1
59: Switzer_45 + 4
60: JC27_45 + 1
61: Raid_44
62: Bexan_43 + 1
63: Dexes_45
64: Pelly_44
65: KyMonks1A_47 + 1
66: Lamina13_45 + 1
67: Monet_48
68: Sagelfre_48
69: Euphoria_43 + 1
70: Violet_42
71: Atkinbua_46
72: Chanagan_42 + 1
73: Petp2012_45
74: QTRifleCrisis_45 + 3
75: Smairt_47
76: Dussy_46 + 3
77: Nerujay_46
78: DreamCatcher_47
79: PowerRanger_45
80: Aeneas_47
81: Mryolo_42 + 1
82: StewieG_44 + 3
83: Lockley_44 + 1
84: PherrisBueller_44 + 1
85: Doom_45
86: BigMau_45
87: BaconJack_48
88: Kykar_45
89: Magnar_44 + 1
90: Watermelon_46
91: Cueylyss_46
92: Bob3_42
93: Fenn_46
94: Zephyr_44
95: PhrostyMug_44
96: Whitspit_43
97: Bircsak_44 + 1
98: SkiPole_47 + 1
99: Ohno789_45
100: Lopton_45

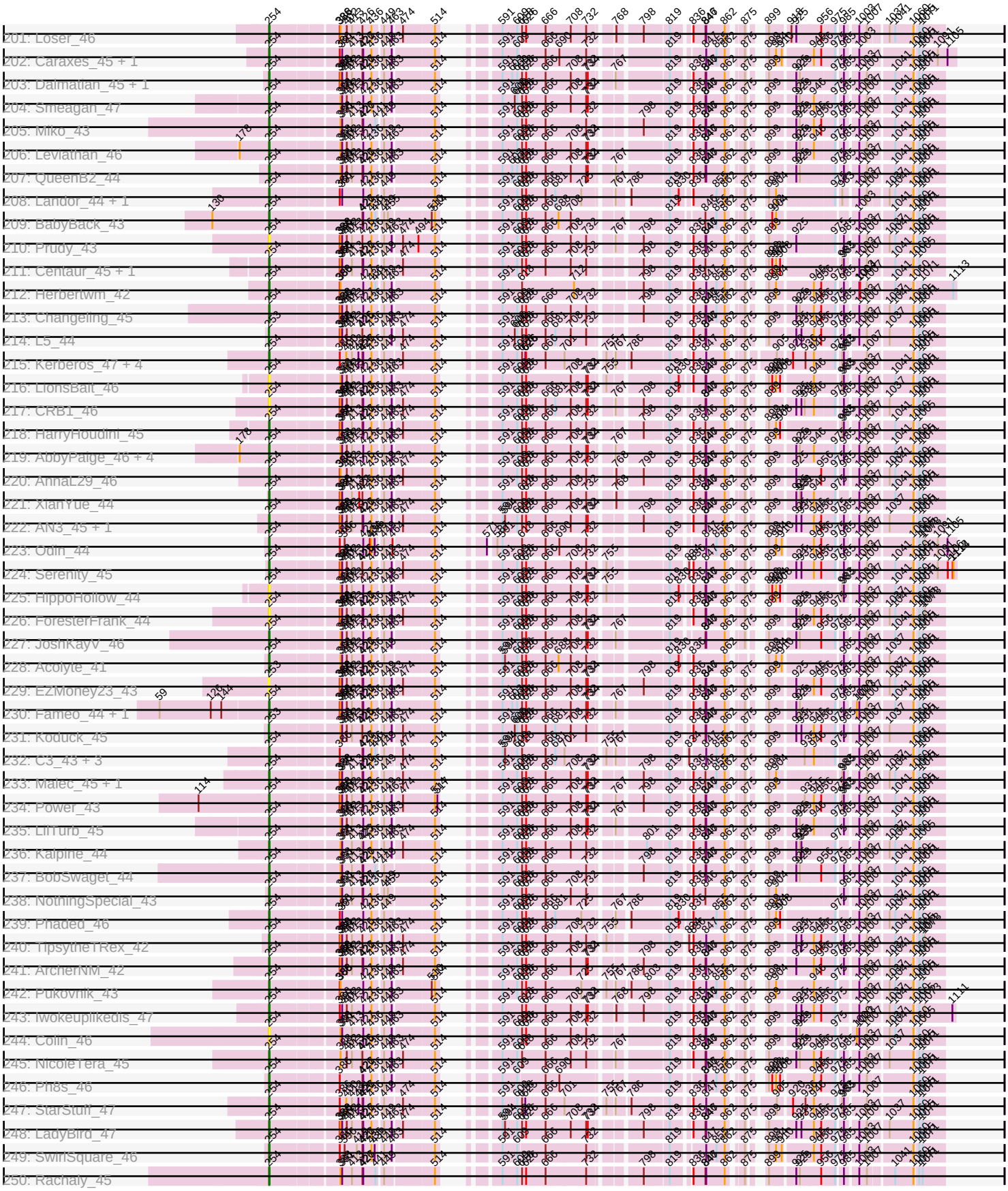
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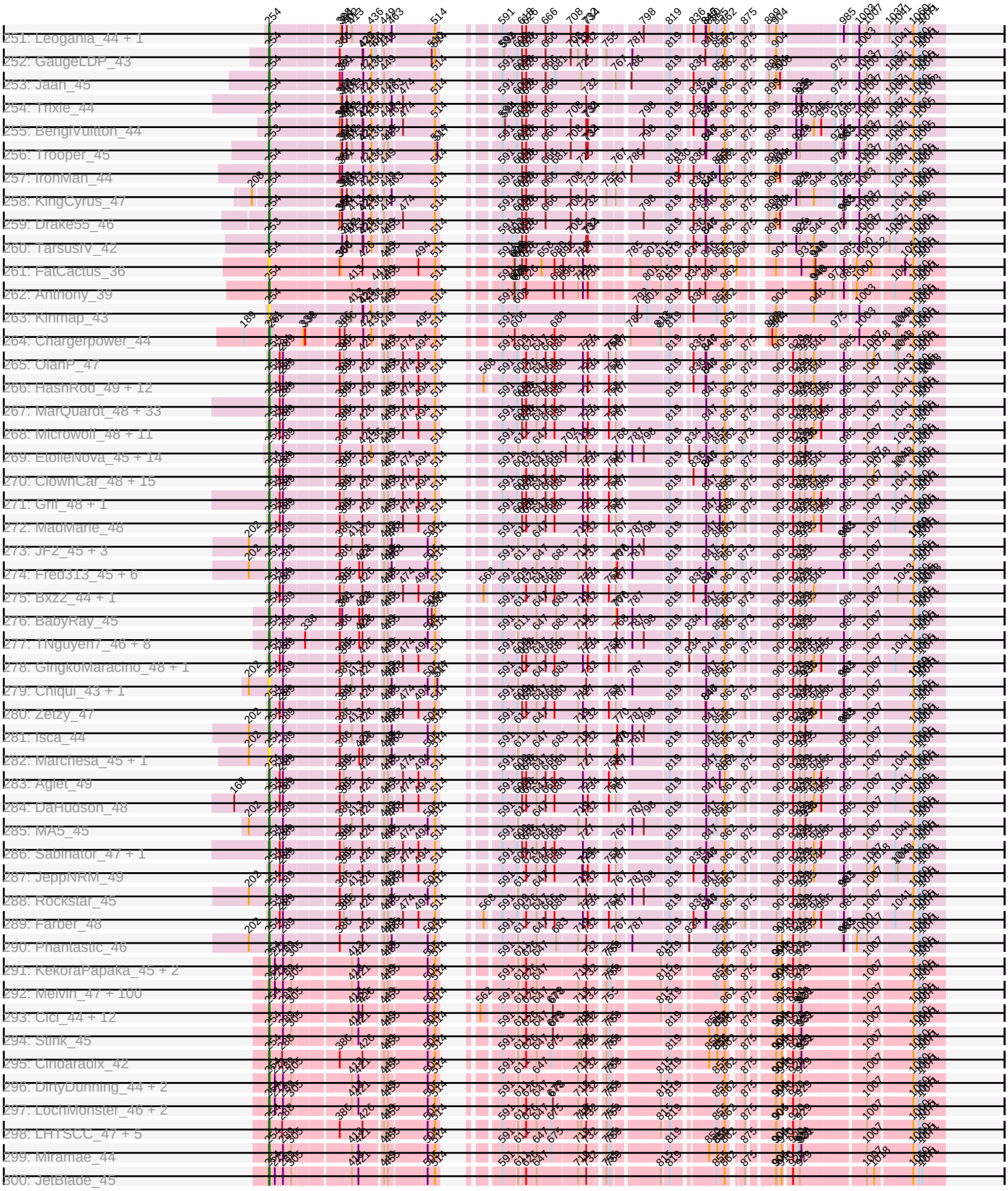
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151: Bud_44
152: Refuge_44
153: Zimmer_42
154: DarthPhader_42
155: Pharaoh_39
156: Steamy_41
157: Phiei_33
158: Gail_49
159: SororFago_48
160: Sunnee_47
161: Jeeves_50
162: Luchador_50
163: LogiBear_45
164: Boohoo_47 + 13
165: Remus_47 + 1
166: Oolda_47 + 1
167: Nebulosus_46
168: Ravana_48
169: Nedarya_43
170: MinecraftSteve_48
171: Anon_42
172: Warrior24_48
173: Elle_43
174: EagleEye_46 + 1
175: PainterBoy_45
176: 40AC_46
177: MyraDee_40
178: Kimona_43
179: Crucio_44 + 5
180: Dignity_46
181: Updawg_45 + 10
182: SweetiePie_44
183: RedRock_46
184: DudeLittle_43
185: Jsquared_43
186: MissWhite_43
187: WeiHuaDA_48
188: Lokk_45
189: Deloris_43
190: Che12_47
191: Travvers_47 + 3
192: DeerParkTS_42
193: 20ES_45 + 1
194: Bradman_44 + 2
195: Echilo_44 + 1
196: Journey13_40
197: EvilGenius_47 + 1
198: Anselm_45
199: Tristan_44
200: Adzzy_46

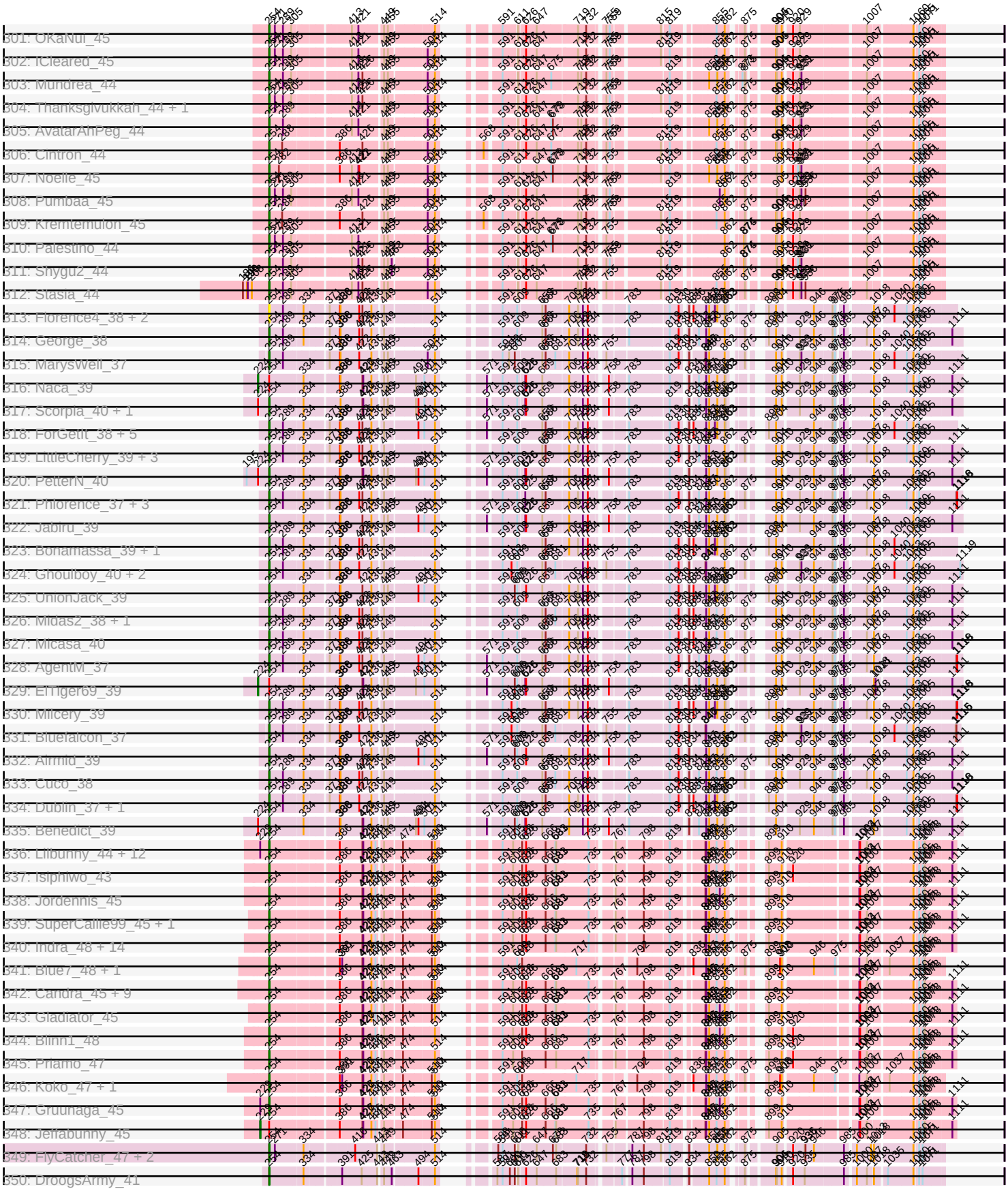
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201: Loser_46
202: Caraxes_45 + 1
203: Dalmatian_45 + 1
204: Smeagan_47
205: Miko_43
206: Leviathan_46
207: QueenB2_44
208: Landor_44 + 1
209: BabyBack_43
210: Prudy_43
211: Centaur_45 + 1
212: Herbertwm_42
213: Changeling_45
214: L5_44
215: Kerberos_47 + 4
216: LionsBait_46
217: CRB1_46
218: HarryHoudini_45
219: AbbyPaige_46 + 4
220: AnnaL29_46
221: XianYue_44
222: AN3_45 + 1
223: Odin_44
224: Serenity_45
225: HippoHollow_44
226: ForesterFrank_44
227: JoshKayV_46
228: Acolyte_41
229: EZMoney23_43
230: Fameo_44 + 1
231: Koduck_45
232: C3_43 + 3
233: Malec_45 + 1
234: Power_43
235: LilTurb_45
236: Kalpine_44
237: BobSwaget_44
238: NothingSpecial_43
239: Phaded_46
240: TipsytheTRex_42
241: ArcherNM_42
242: Pukovnik_43
243: Iwokeuplikedis_47
244: Colin_46
245: NicoleTera_45
246: Phs_46
247: StarStuff_47
248: LadyBird_47
249: SwimSquare_46
250: Rachaly_45

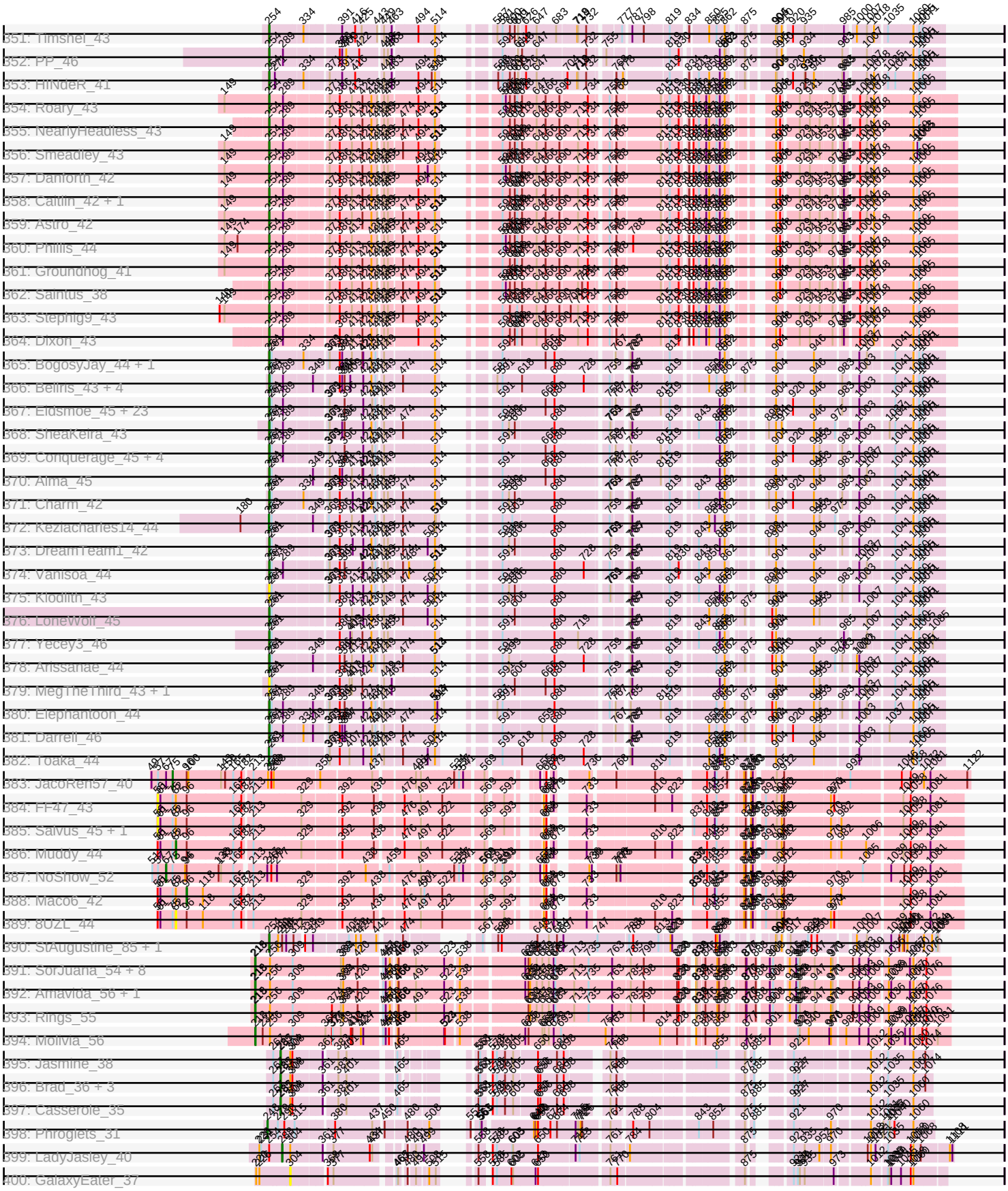
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251: Leogania_44 + 1
252: GaugeLDP_43
253: Jaan_45
254: Trixie_44
255: BengiVuitton_44
256: Trooper_45
257: IronMan_44
258: KingCyrus_47
259: Drake55_46
260: TarsusIV_42
261: FatCactus_36
262: Anthony_39
263: Kinmap_43
264: Chargerpower_44
265: OlanP_47
266: HashRod_49 + 12
267: MarQuardt_48 + 33
268: Microwolf_48 + 11
269: EtolleNova_45 + 14
270: ClownCar_48 + 15
271: Gmf_48 + 1
272: MadMarie_48
273: JF2_45 + 3
274: Fred313_45 + 6
275: Bxz2_44 + 1
276: BabyRay_45
277: TNguyen7_46 + 8
278: GingkoMaracino_48 + 1
279: Chiqui_43 + 1
280: Zetzy_47
281: Isca_44
282: Marchesa_45 + 1
283: Aglet_49
284: DaHudson_48
285: MA5_45
286: Sabinator_47 + 1
287: JeppNRM_49
288: Rockstar_45
289: Farber_48
290: Phantastic_46
291: KekoraPapaka_45 + 2
292: Melvin_47 + 100
293: Cici_44 + 12
294: Stink_45
295: Cindaradix_42
296: DirtyDunning_44 + 2
297: LochMonster_46 + 2
298: LHTSCC_47 + 5
299: Miramae_44
300: JetBlade_45

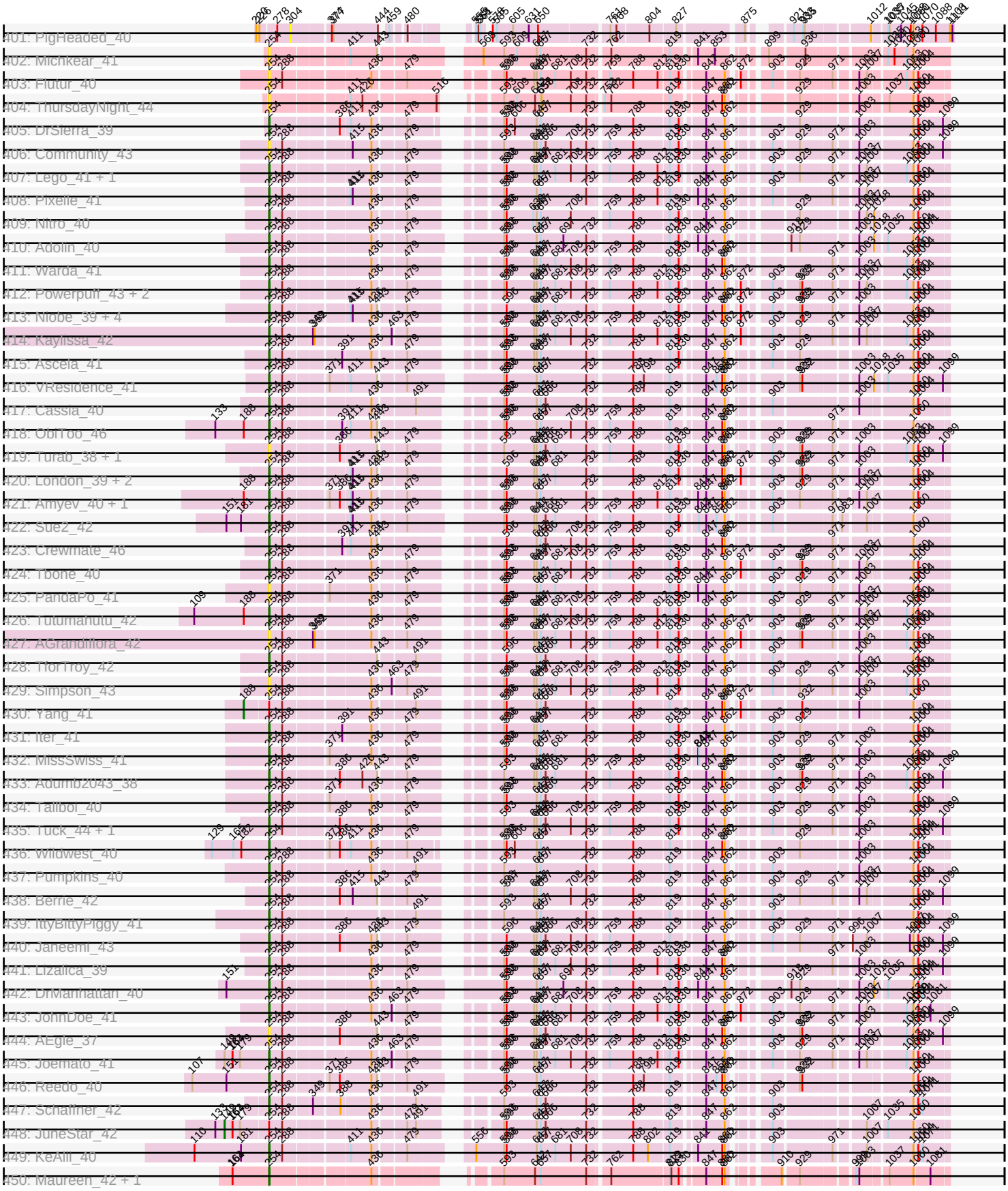
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301: OKaNui_45
302: ICleared_45
303: Mundrea_44
304: Thanksgivukkah_44 + 1
305: AvatarAnPeg_44
306: Cintron_44
307: Noelle_45
308: Pumbaa_45
309: Kremlemulon_45
310: Palestino_44
311: Shygu2_44
312: Stasia_44
313: Florence4_38 + 2
314: George_38
315: MarysWell_37
316: Naca_39
317: Scorpia_40 + 1
318: ForGetIt_38 + 5
319: LittleCherry_39 + 3
320: PetterN_40
321: Phlorence_37 + 3
322: Jabiru_39
323: Bonamassa_39 + 1
324: Ghoulboy_40 + 2
325: UnionJack_39
326: Midas2_38 + 1
327: Micasa_40
328: AgentM_37
329: ETiger69_39
330: Milcery_39
331: Bluefalcon_37
332: Airmid_39
333: Cuco_38
334: Dublin_37 + 1
335: Benedict_39
336: Lilbunny_44 + 12
337: Isiphiwo_43
338: Jordennis_45
339: SuperCallie99_45 + 1
340: Indra_48 + 14
341: Blue7_48 + 1
342: Candra_45 + 9
343: Gladiator_45
344: Blinn1_48
345: Priamo_47
346: Koko_47 + 1
347: Gruuhaga_45
348: Jerrabunny_45
349: FlyCatcher_47 + 2
350: DroogsArmy_41

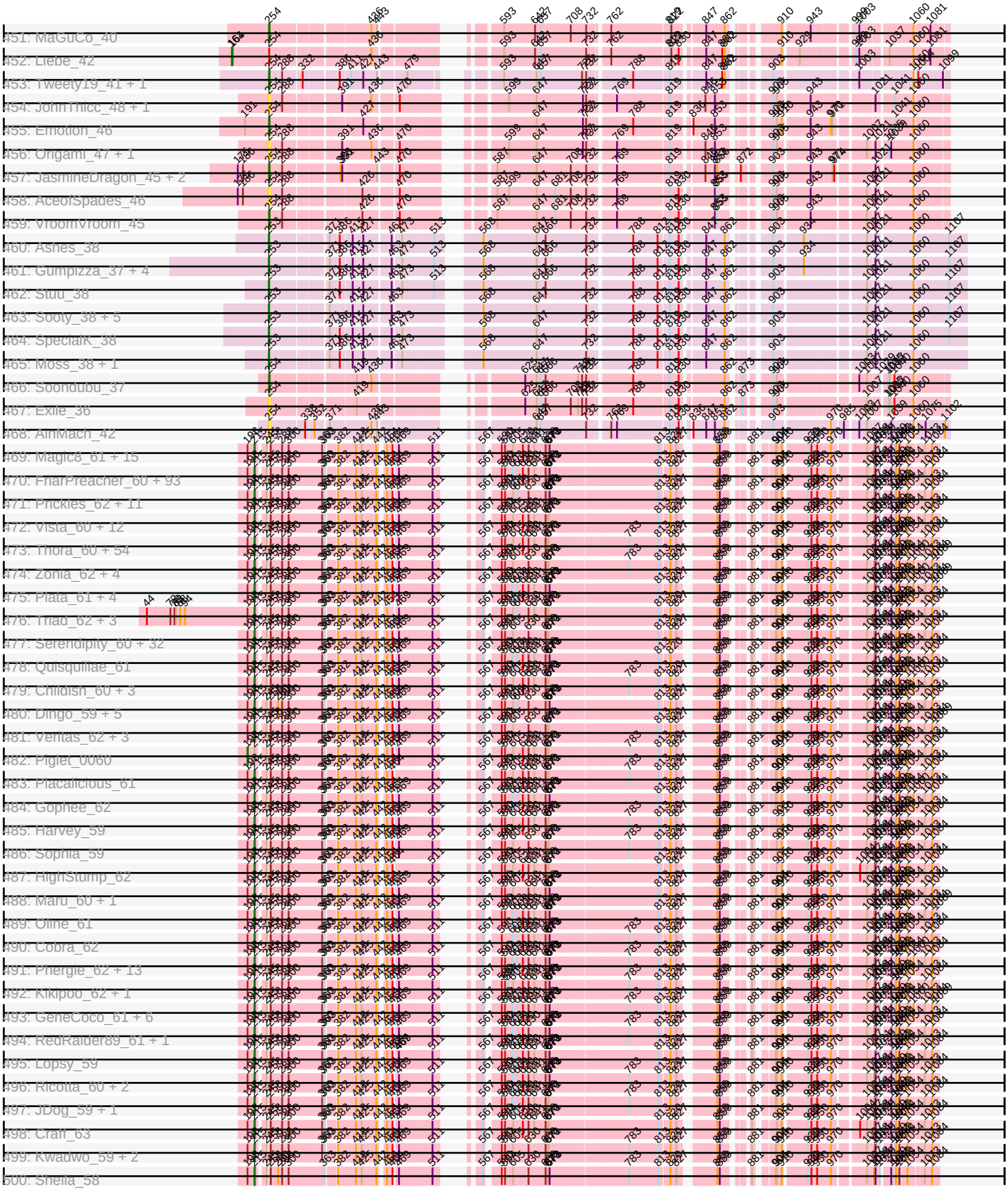
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351: Timshel_43
352: PP_46
353: HINdeR_41
354: Roary_43
355: NearlyHeadless_43
356: Smeadley_43
357: Danforth_42
358: Caitlin_42 + 1
359: Astro_42
360: Phillis_44
361: Groundhog_41
362: Saintus_38
363: Stephig9_43
364: Dixon_43
365: BogosyJay_44 + 1
366: Bellis_43 + 4
367: Eldsmoe_45 + 23
368: SheaKeira_43
369: Conquerage_45 + 4
370: Alma_45
371: Charm_42
372: KezlaCharles14_44
373: DreamTeam1_42
374: Vanisoa_44
375: Kloolith_43
376: LoneWolf_45
377: Yecey3_46
378: Anissanae_44
379: MegTheThird_43 + 1
380: Elephantoon_44
381: Darrell_46
382: Toaka_44
383: JacoRen57_40
384: FF47_43
385: Salvus_45 + 1
386: Muddy_44
387: NoSnow_52
388: Maco6_42
389: 8UZL_44
390: StAugustine_85 + 1
391: SorJuana_54 + 8
392: Amavida_56 + 1
393: Rings_55
394: Molivia_56
395: Jasmine_38
396: Brad_36 + 3
397: Casserole_35
398: Phroglets_31
399: LadyJasley_40
400: GalaxyEater_37

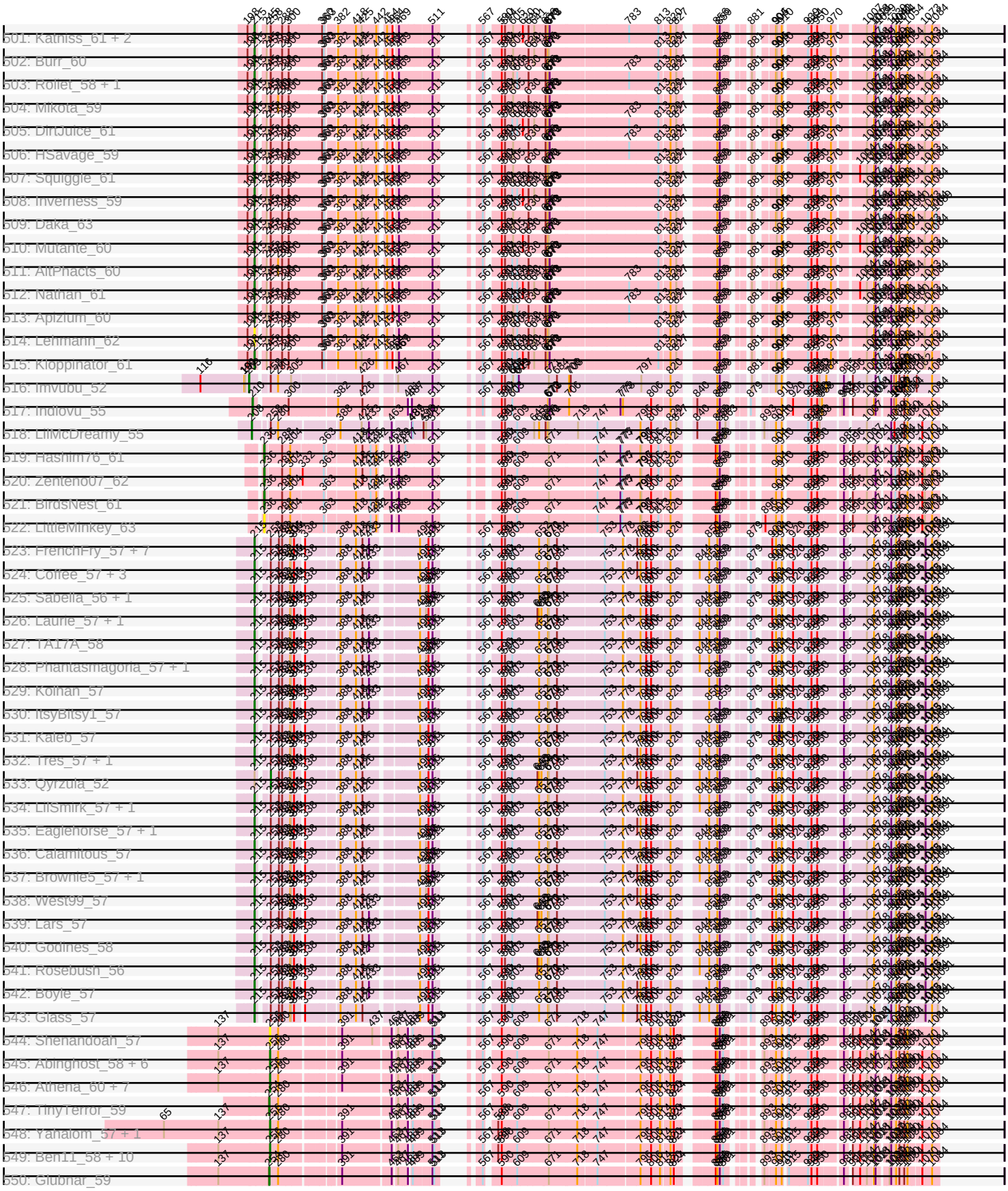
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401: PigHeaded_40
402: Michkear_41
403: Flutur_40
404: ThursdayNight_44
405: DrSierra_39
406: Community_43
407: Lego_41 + 1
408: Pixelle_41
409: Nitro_40
410: Adolin_40
411: Warda_41
412: Powerpuff_43 + 2
413: Niobe_39 + 4
414: Kaylissa_42
415: Ascela_41
416: VResidence_41
417: Cassia_40
418: ObiToo_46
419: Turab_38 + 1
420: London_39 + 2
421: Amyev_40 + 1
422: Sue2_42
423: Crewmate_46
424: Tbone_40
425: PandaPo_41
426: Tutumahutu_42
427: AGrandMora_42
428: MorMoy_42
429: Simpson_43
430: Yang_41
431: Iter_41
432: MissSwiss_41
433: Adumb2043_38
434: Tallboi_40
435: Tuck_44 + 1
436: Wildwest_40
437: Pumpkins_40
438: Berrie_42
439: IttyBittyPiggy_41
440: Janeemi_43
441: Lizalica_39
442: DrManhattan_40
443: JohnDoe_41
444: AEgle_37
445: Joemato_41
446: Reedo_40
447: Schaffner_42
448: JuneStar_42
449: KeAlli_40
450: Maureen_42 + 1

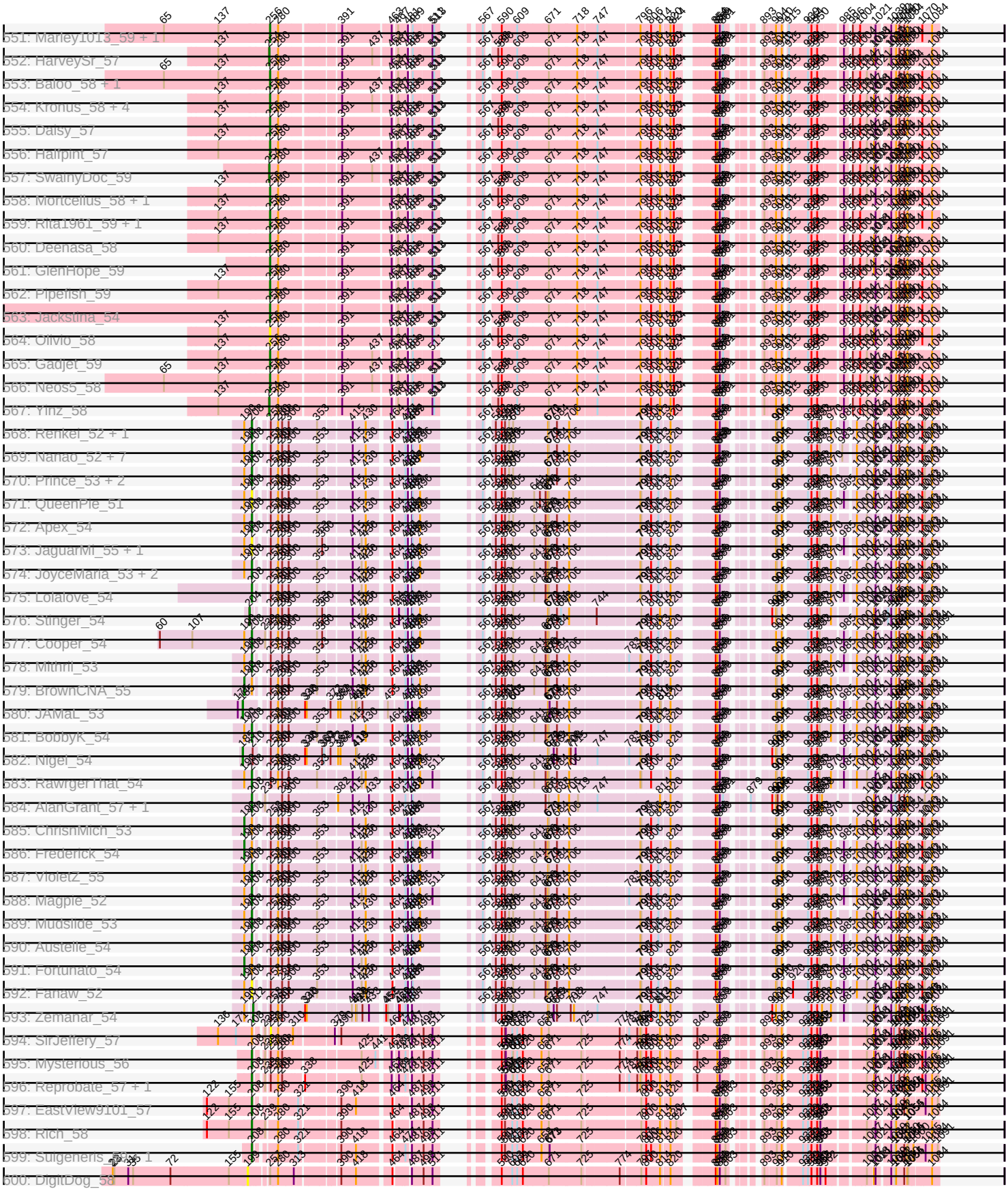
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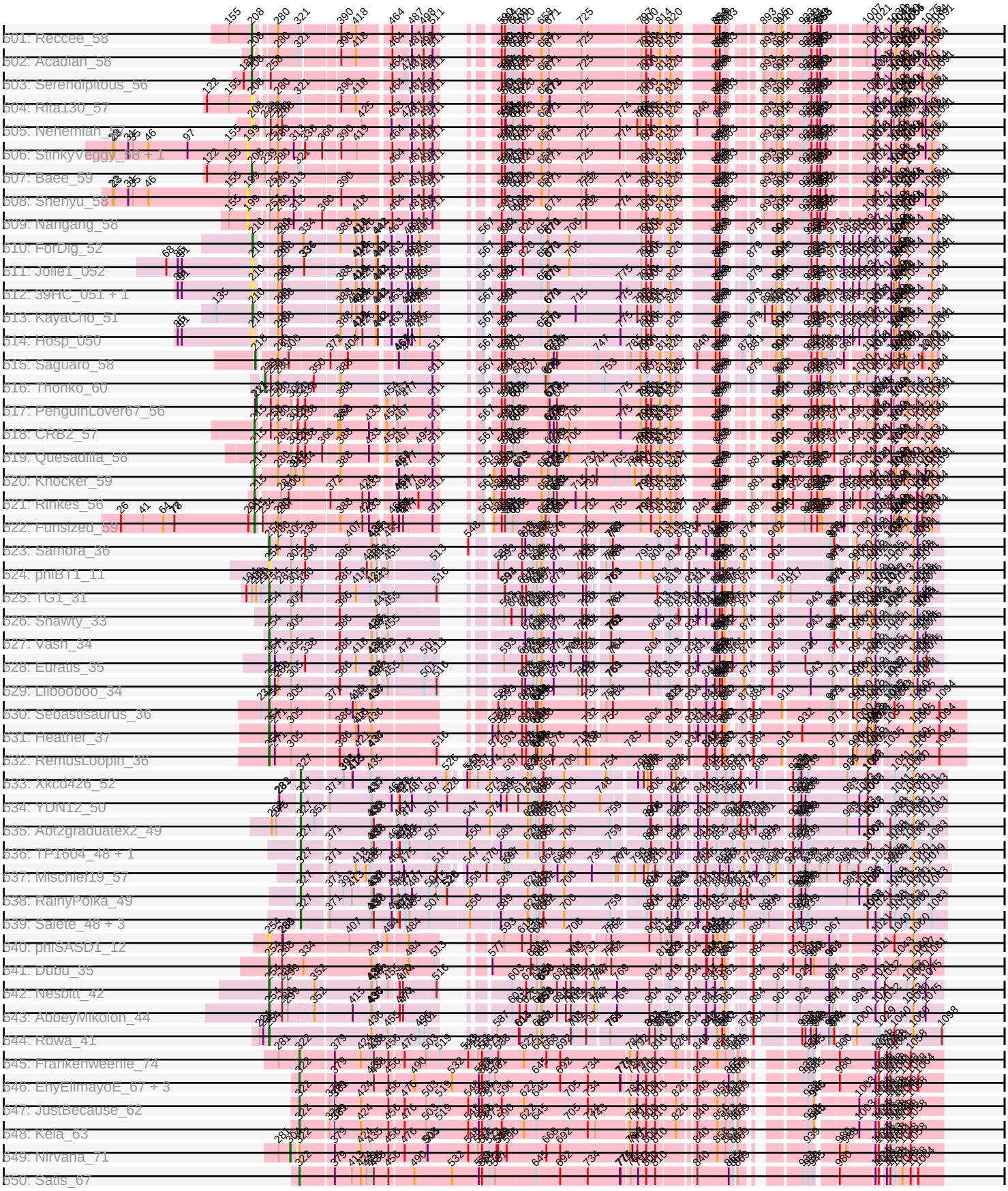
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501: Katniss_61 + 2
502: Burr_60
503: Rollet_58 + 1
504: Mikota_59
505: DirtJuice_61
506: HSavage_59
507: Squiggle_61
508: Inverness_59
509: Daka_63
510: Mutante_60
511: AltPhacts_60
512: Nathan_61
513: Apizium_60
514: Lehmann_62
515: Kloppinator_61
516: Imvubu_52
517: Indiovu_55
518: LilMicDreamy_55
519: Hashim76_61
520: Zenteno07_62
521: BirdsNest_61
522: LittleMinkey_63
523: FrenchFry_57 + 7
524: Coffee_57 + 3
525: Sabella_56 + 1
526: Laurie_57 + 1
527: TA17A_58
528: Phantasmagoria_57 + 1
529: Kolnan_57
530: ItsyBitsy1_57
531: Kaleb_57
532: Tres_57 + 1
533: Qyrzula_52
534: LilSmirk_57 + 1
535: Eaglehorse_57 + 1
536: Calamitous_57
537: Brownie5_57 + 1
538: West99_57
539: Lars_57
540: Godines_58
541: Rosebush_56
542: Boyle_57
543: Glass_57
544: Shenandoah_57
545: Abinghost_58 + 6
546: Athena_60 + 7
547: TinyTerror_59
548: Yahalom_57 + 1
549: Ben11_58 + 10
550: Glubnar_59

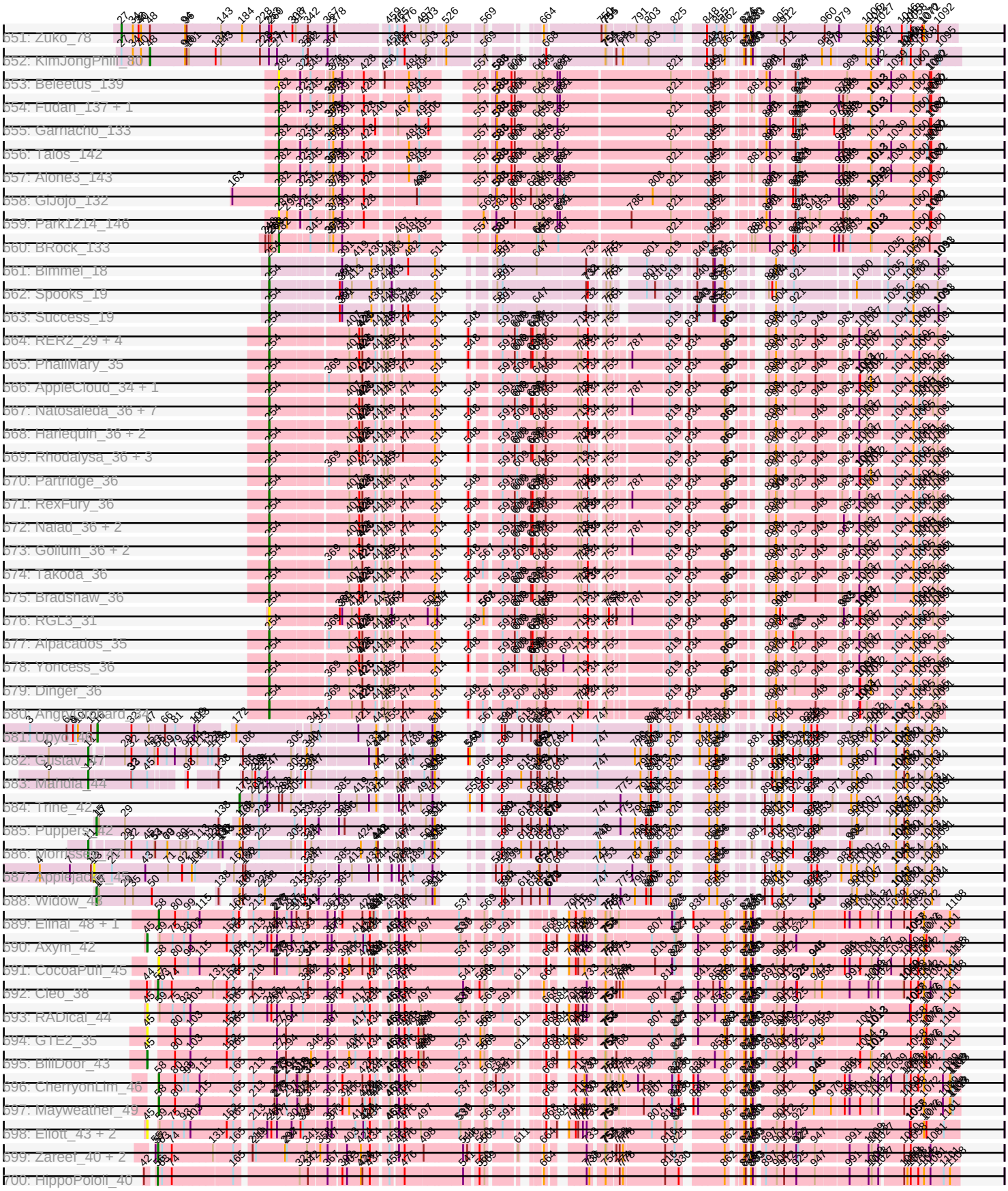
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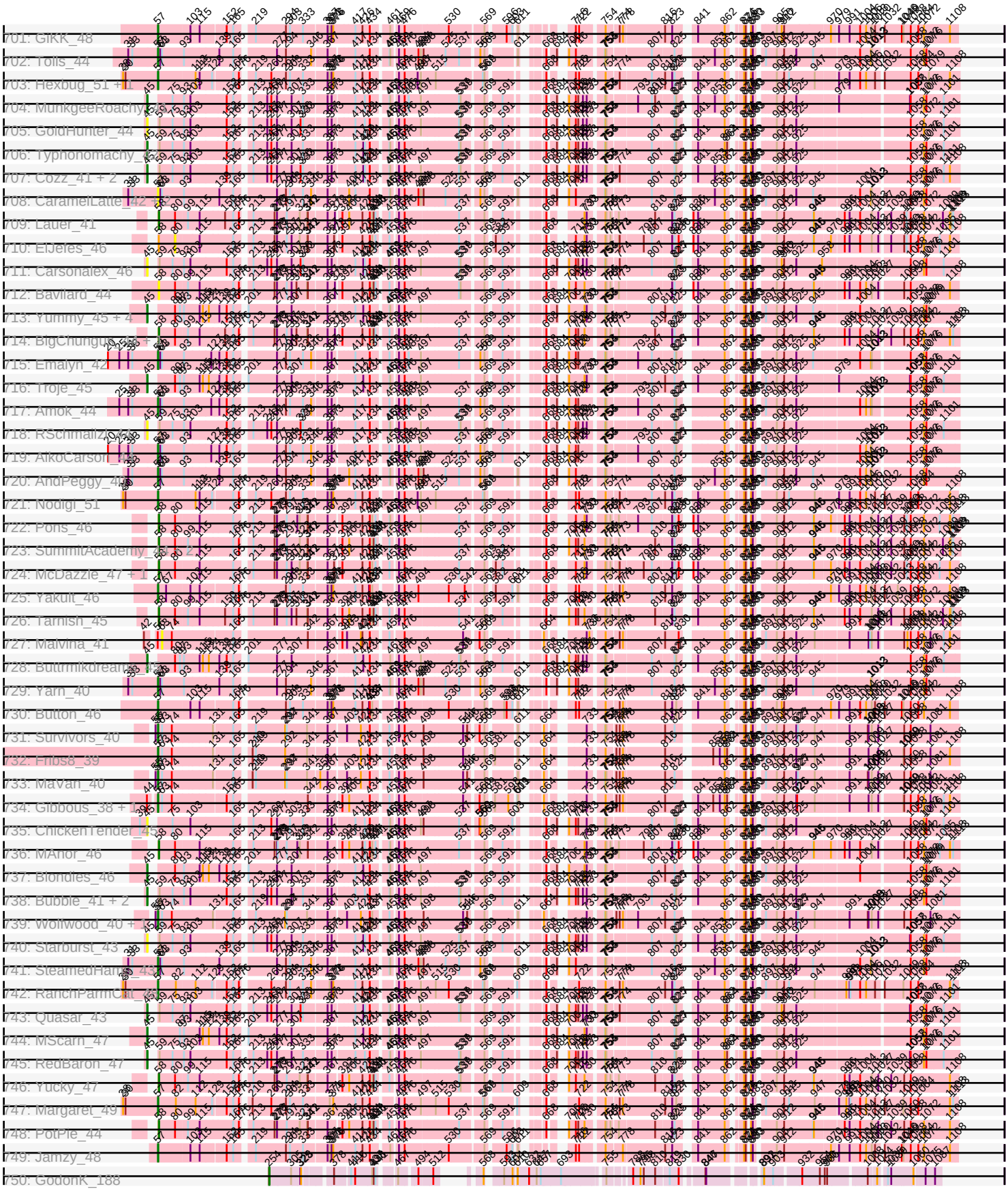
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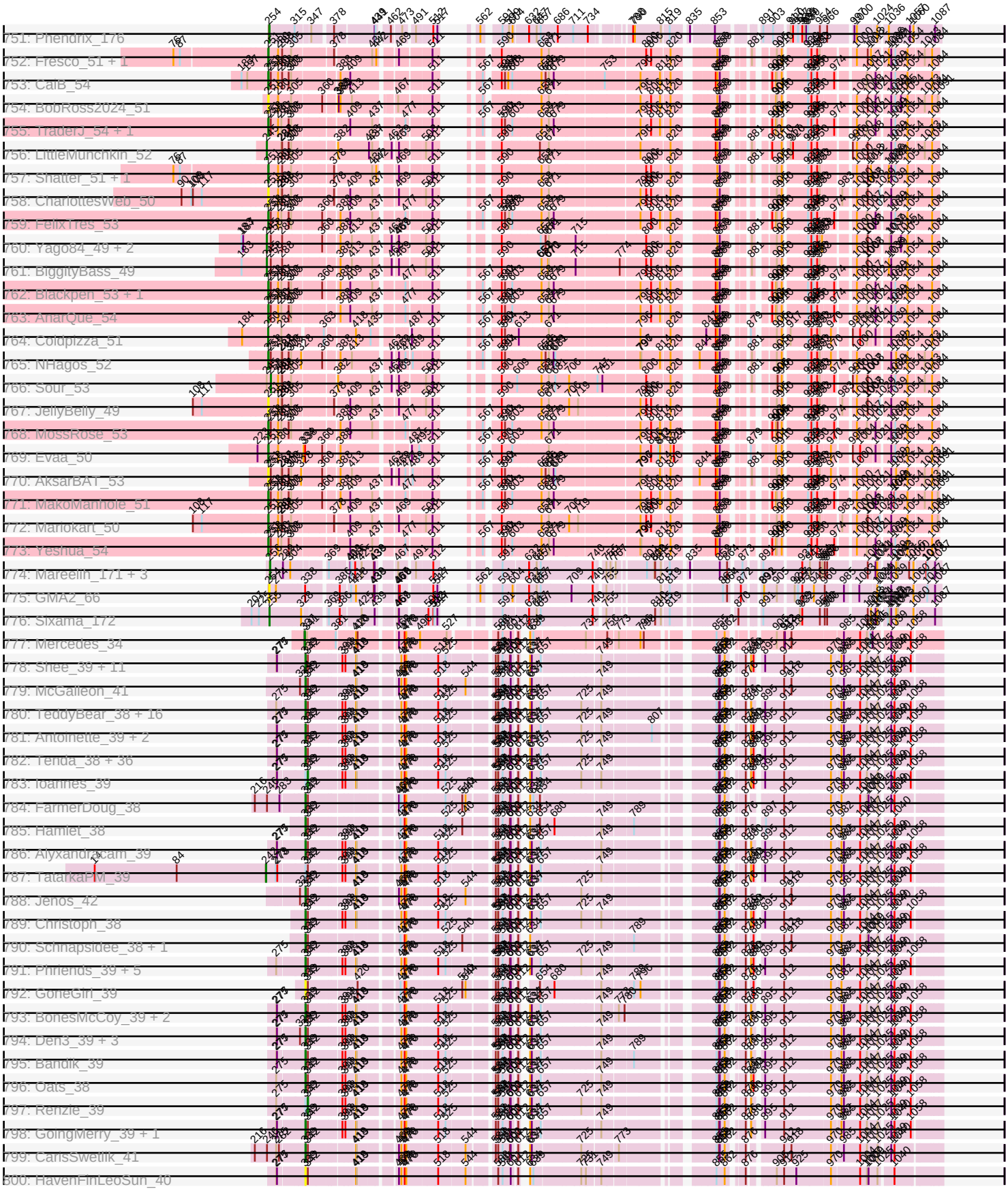
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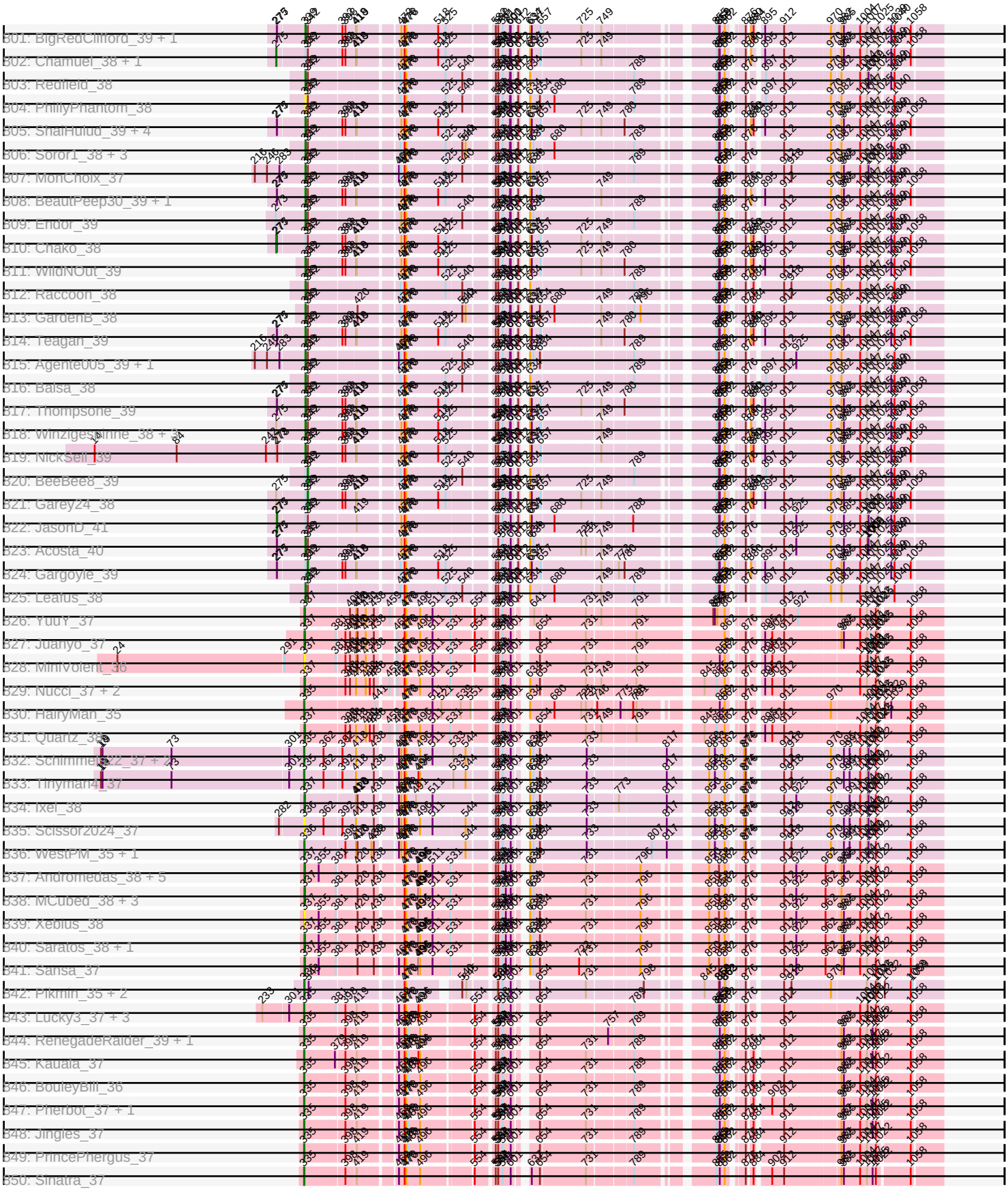
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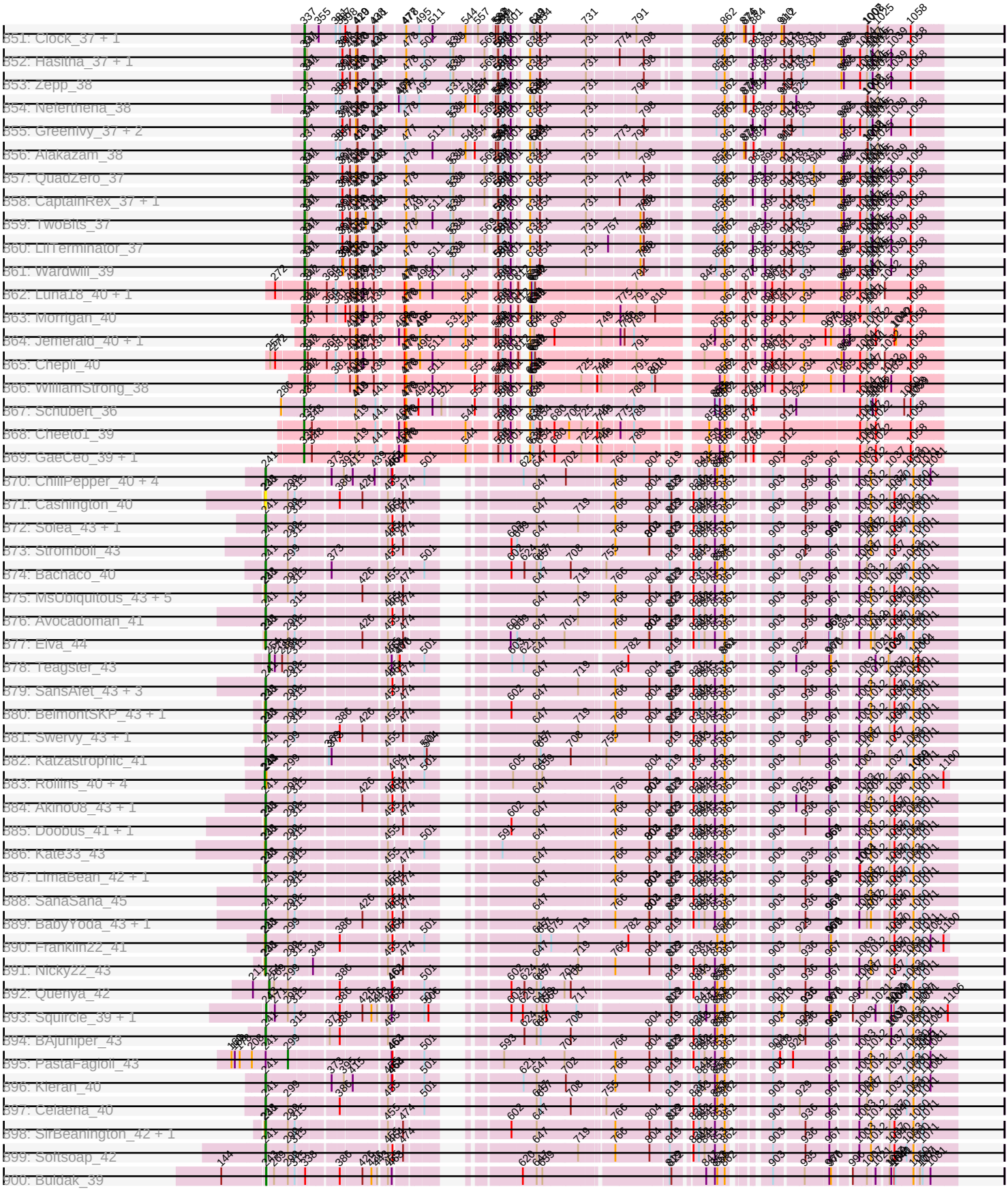
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751: Phendrix_176
752: Fresco_51 + 1
753: CalB_54
754: BobRoss2024_51
755: Trader5_54 + 1
756: LittleMunchkin_52
757: Shatter_51 + 1
758: CharlottesWeb_50
759: FelixTres_53
760: Yago84_49 + 2
761: BiggityBass_49
762: Blackpen_53 + 1
763: AnarQue_54
764: Coldpizza_51
765: NHagos_52
766: Sour_53
767: JellyBelly_49
768: MossRose_53
769: Evaa_50
770: AksarBAT_53
771: MakoManhole_51
772: Mariokart_50
773: Yeshua_54
774: Mareelin_171 + 3
775: GMA2_66
776: Sixama_172
777: Mercedes_34
778: Shee_39 + 11
779: McGalleon_41
780: TeddyBear_38 + 16
781: Antoinette_39 + 2
782: Tenda_38 + 36
783: Ioannes_39
784: FarmerDoug_38
785: Hamlet_38
786: Alyxandracam_39
787: TatarkaPM_39
788: Jenos_42
789: Christoph_38
790: Schnapsidee_38 + 1
791: Phriends_39 + 5
792: GoneGirl_39
793: BonesMcCoy_39 + 2
794: Den3_39 + 3
795: Bandik_39
796: Oats_38
797: Renzie_39
798: GoingMerry_39 + 1
799: CarisSwetlik_41
800: HavenFinLeoSun_40

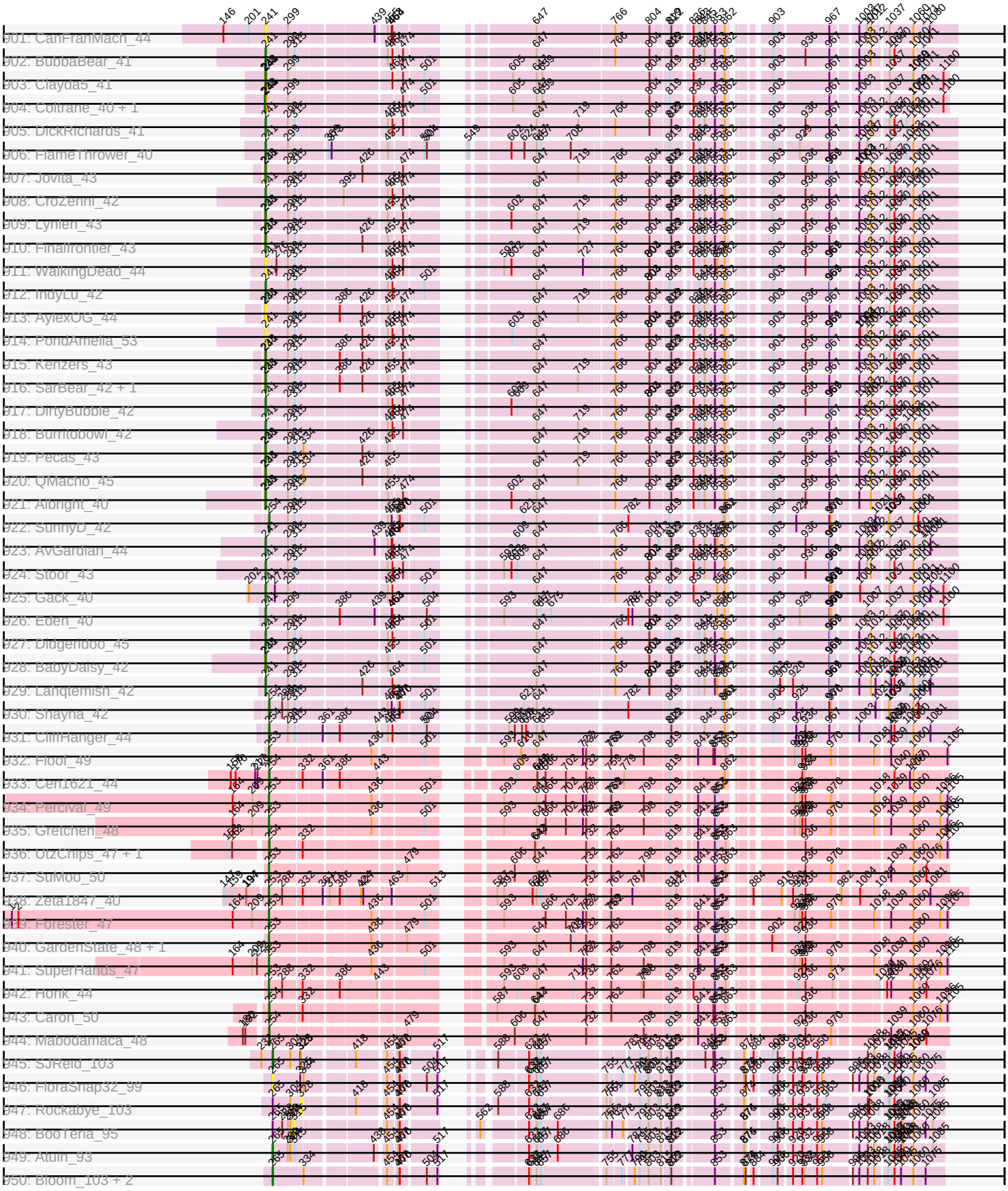
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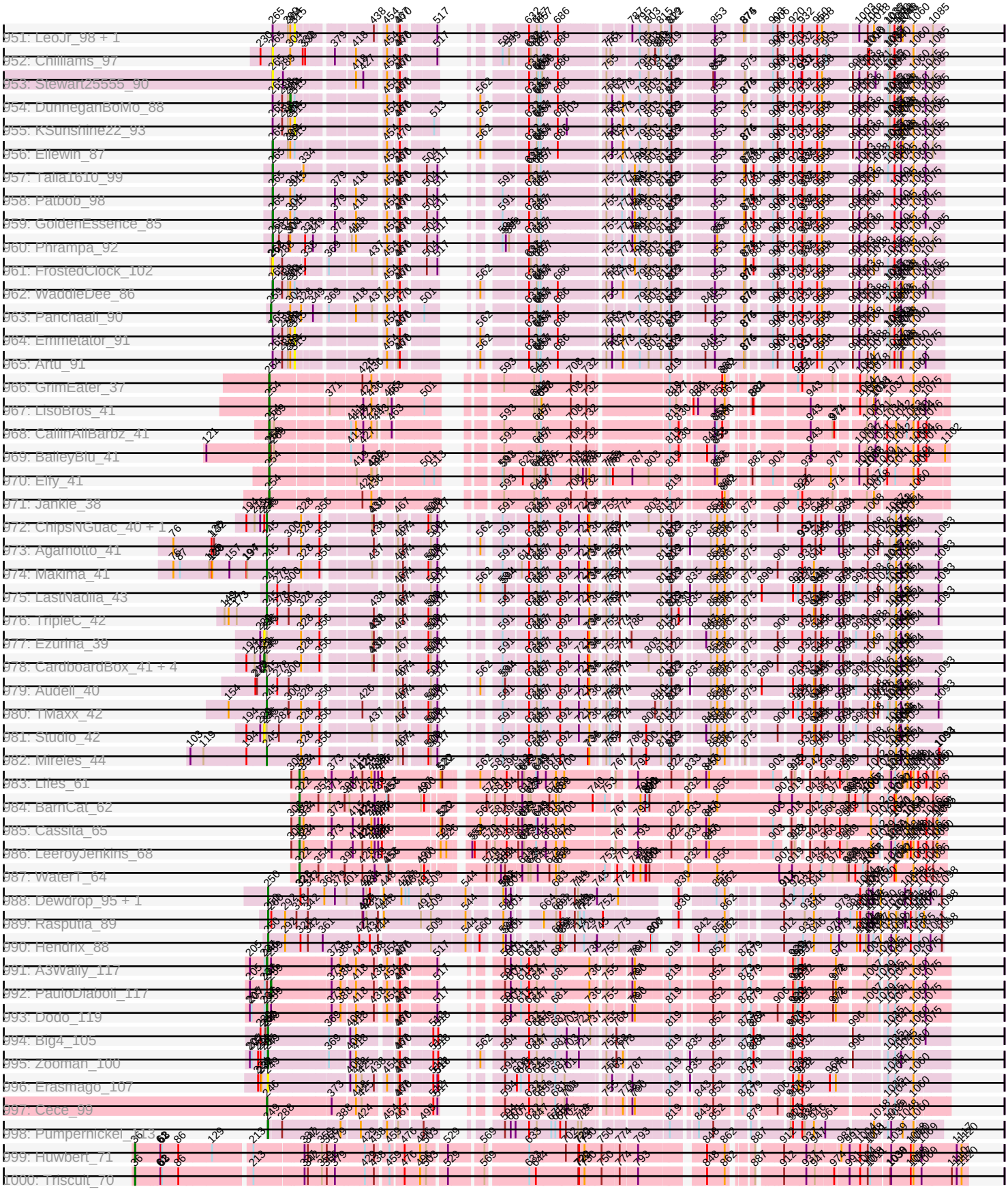
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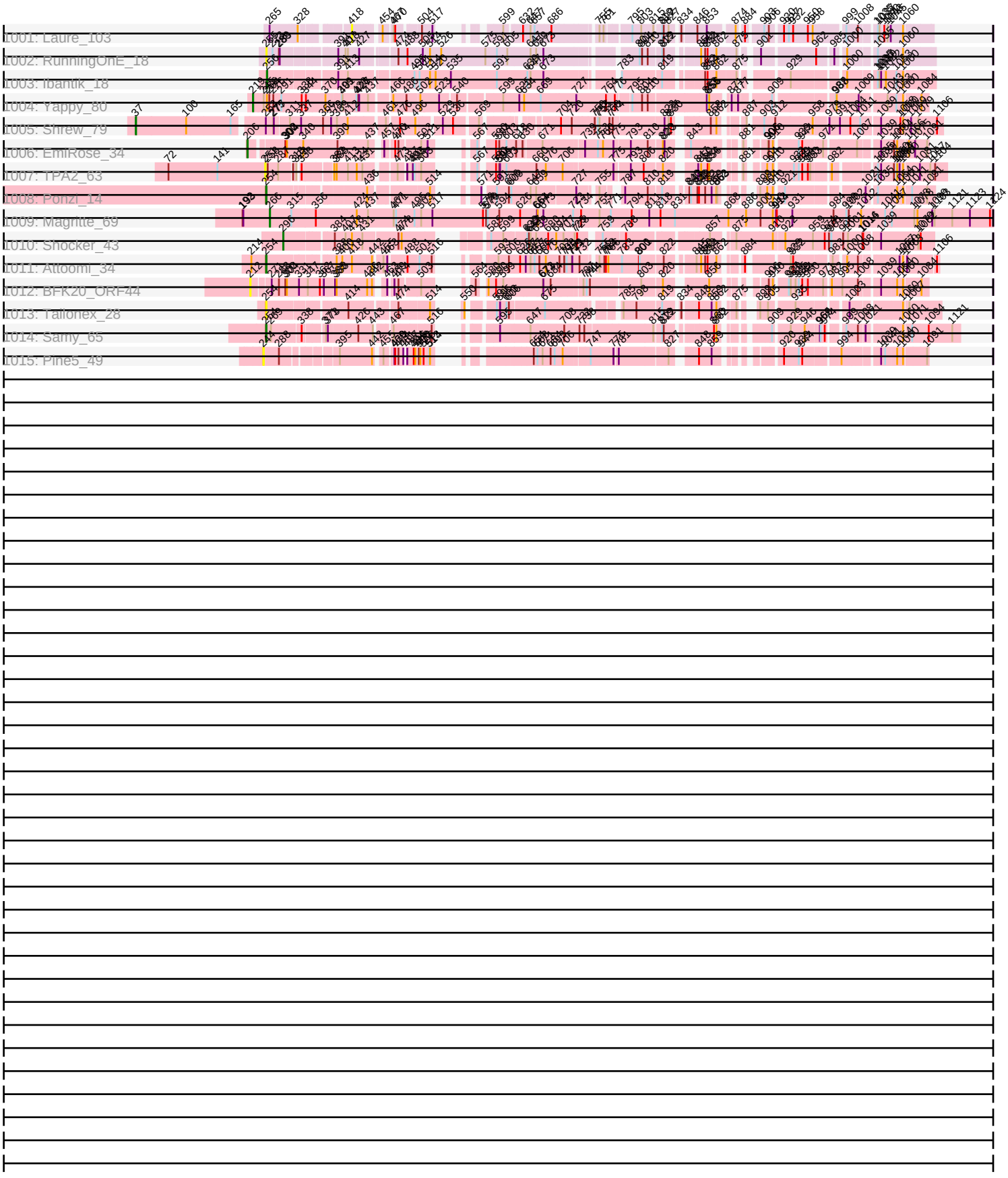
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901: CanFranMach_44
902: BubbaBear_41
903: Clayda5_41
904: Coltrane_40 + 1
905: DickRichards_41
906: FlameThrower_40
907: Jovita_43
908: CroZenni_42
909: Lynlen_43
910: Finalfrontier_43
911: WalkingDead_44
912: IndyLu_42
913: AylexOG_44
914: PondAmelia_53
915: Kenzers_43
916: SarBear_42 + 1
917: DirtyBubble_42
918: Burntoboowl_42
919: Pecas_43
920: QMacho_45
921: Albright_40
922: SunnyD_42
923: AvGardian_44
924: Stoor_43
925: Gack_40
926: Eden_40
927: Didgeridoo_45
928: BabyDaisy_42
929: Lanqtemish_42
930: Shayna_42
931: CliffHanger_44
932: Floof_49
933: Cen1621_44
934: Percival_49
935: Gretchen_48
936: OtzChips_47 + 1
937: SuMoo_50
938: Zeta1847_40
939: Forester_47
940: GardenState_48 + 1
941: SuperHands_47
942: Honk_44
943: Caron_50
944: Mabodamaca_48
945: SJReid_103
946: FloraSnap32_99
947: Rockabye_103
948: BooTeria_95
949: Atuin_93
950: Bloom_103 + 2

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951: LeoJr_98 + 1
952: Chilliams_97
953: Stewart25555_90
954: DunneganBoMo_88
955: KSunshine22_93
956: Ellewin_87
957: Talia1610_99
958: Patbob_98
959: GoldenEssence_85
960: Phrampa_92
961: FrostedClock_102
962: WaddleDee_86
963: Panchaali_90
964: Emmetator_91
965: Artu_91
966: GrimEater_37
967: LisoBros_41
968: CallinAllBarbz_41
969: BaileyBlu_41
970: Elly_41
971: Jankie_38
972: ChipsNGuac_40 + 1
973: Agamotto_41
974: Makima_41
975: LastNadila_43
976: TripleC_42
977: Ezurina_39
978: CardboardBox_41 + 4
979: Audell_40
980: TMaxx_42
981: Studio_42
982: Mireles_44
983: Lilies_61
984: BarnCat_62
985: Cassita_65
986: LeeroyJenkins_68
987: WaterT_64
988: Dewdrop_95 + 1
989: Rasputia_89
990: Hendrix_88
991: A3Wally_117
992: PatioDiaboli_117
993: Dodo_119
994: Big4_105
995: Zooman_100
996: Erasmago_107
997: Cece_99
998: Pumpernickel_103
999: Huwbert_71
1000: Triscuit_70

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1001: Laure_103
1002: RunningOnE_18
1003: Ibantik_18
1004: Yappy_80
1005: Shrew_79
1006: EmiRose_34
1007: TPA2_63
1008: Ponzi_14
1009: Magritte_69
1010: Shocker_43
1011: Attooml_34
1012: BFK20_ORF44
1013: Tallonex_28
1014: Samy_65
1015: Pine5_49

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 310995 Report

This analysis was run 06/27/26 on database version 652.

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 310995 has 2137 members, 264 are drafts.

Phages represented in each track:
• Track 1 : ILeeKay_49, Fushigi_43, Sumter_42
• Track 2 : Slagathor_47, Arcanine_46, Ringer_46
• Track 3 : Marchy_39, Adahisdi_44, Payneful_44
• Track 4 : Blue_44
• Track 5 : Burton_44, Museum_45
• Track 6 : JuliaChild_45, Swole_45, TwoPeat_45, Tote_40
• Track 7 : Pippin_47, Greg_47, Fajezeel_47, Ciao_45
• Track 8 : Parliament_44, Manatee_45, BarrowTuph_45
• Track 9 : LilBib_45
• Track 10 : Turj99_42, Magnito_42
• Track 11 : Kugel_46
• Track 12 : Marco3_47, Paphu_43, Oogway_42
• Track 13 : Gachnar_45
• Track 14 : GrecoEtereo_45, GMonster_42, HanShotFirst_43, Big3_43, CactusRose_42, Paraselene_43, HarryOW_43, Tripl3t_45, Gwendoluna_47
• Track 15 : Carlyle_44
• Track 16 : Jasper_46, Dreamboat_46
• Track 17 : Buttons_43
• Track 18 : Licorice_48, BigPaolini_45, TheloniousMonk_46
• Track 19 : Rohr_45, Jerm2_45, HermioneGrange_44
• Track 20 : Naira_46, Puppet_46
• Track 21 : Arlo_42, Hope4ever_46, Kanely_45, Rubeus_45, Altman_46
• Track 22 : Sunshine924_45, BPBiebs31_45, Kenmech_48, Blesser_43
• Track 23 : Homines_37, ShortQueendom_40, Makemake_44, Wheeler_45
• Track 24 : Michley_44
• Track 25 : Fascinus_41, Bigfoot_41, Maroc7_43
• Track 26 : Zeeculate_43
• Track 27 : Corvo_45, SwissCheese_46, Forsytheast_44, Bruns_43, Moose_44
• Track 28 : SpikeBT_45
• Track 29 : Francis47_44, PacerPaul_45
• Track 30 : Pinto_45, Petruchio_45
• Track 31 : Hermia_46, GroundGoblin_45, DirtDevil_46, Noxious_46, KikiBouba_46, Aldrich_45, CatBus_45

• Track 32 : PascalRango_45, Jorgensen_45, Norz_45, Edtherson_45
• Track 33 : KSSJEB_43, Target_45
• Track 34 : Levia_42, PhineBark_44
• Track 35 : Espresso_44, EnzoK_43
• Track 36 : Abrogate_440, Perseus_45
• Track 37 : DrFeelGood_43
• Track 38 : MaryBeth_45, MetalQZJ_44
• Track 39 : MrGordo_44, Gyzlar_41, Anglerfish_45, Dulcie_45, Crispicous1_43
• Track 40 : Marcell_43
• Track 41 : Rufus_45
• Track 42 : JackSparrow_46
• Track 43 : Barriga_45
• Track 44 : Wilkins_44, Sibs6_45, Topgun_44, Phlippers_43
• Track 45 : IgnatiusPatJac_44, BluSpix_42
• Track 46 : Niza_47, Ruotula_48
• Track 47 : Pita2_47, PSullivan_44
• Track 48 : Agaliana_41, ChristmasHams_41
• Track 49 : Squee_44, Blackflame_44
• Track 50 : Bones_45, Eyeball_46, Rajelicia_46
• Track 51 : Teodoridan_43
• Track 52 : ProMouse_45
• Track 53 : McSinger_45, Graduation_48
• Track 54 : Bxb1_41
• Track 55 : Bigchungi_43, Snazzy_42
• Track 56 : Alvin_44
• Track 57 : Sandaddy_44, Sorpresa_44
• Track 58 : Inyanga_42, Iqorha_42
• Track 59 : Switzer_45, Sanya_43, BeesKnees_45, Dynamix_45, Bethlehem_44
• Track 60 : JC27_45, Applejack_40
• Track 61 : Raid_44
• Track 62 : Bexan_43, StrongArm_44
• Track 63 : Dexes_45
• Track 64 : Pelly_44
• Track 65 : KyMonks1A_47, Ashballer_46
• Track 66 : Lamina13_45, Tasp14_46
• Track 67 : Monet_48
• Track 68 : Sagefire_48
• Track 69 : Euphoria_43, LunarLander_46
• Track 70 : Violet_42
• Track 71 : Atkinbua_46
• Track 72 : Chanagan_42, Pepe_42
• Track 73 : Petp2012_45
• Track 74 : QTRlifeCrisis_45, Rhynn_44, Lesedi_42, ConceptII_46
• Track 75 : Smairt_47
• Track 76 : Dussy_46, Froghopper_43, Killigrew_44, Abbyshoes_47
• Track 77 : Nerujay_46
• Track 78 : DreamCatcher_47
• Track 79 : PowerRanger_45
• Track 80 : Aeneas_47
• Track 81 : Mryolo_42, Nhonho_45
• Track 82 : StewieG_44, Solon_44, Zeuska_44, BillKnuckles_45
• Track 83 : Lockley_44, DD5_44
• Track 84 : PherrisBueller_44, Scowl_45

- Track 85 : Doom_45
- Track 86 : BigMau_45
- Track 87 : BaconJack_48
- Track 88 : Kykar_45
- Track 89 : Magnar_44, Mkhuseli_44
- Track 90 : Watermelon_46
- Track 91 : Cueylyss_46
- Track 92 : Bob3_42
- Track 93 : Fenn_46
- Track 94 : Zephyr_44
- Track 95 : PhrostyMug_44
- Track 96 : Whitspit_43
- Track 97 : Bircsak_44, Gompeii16_44
- Track 98 : SkiPole_47, Seanderson_47
- Track 99 : Ohno789_45
- Track 100 : Lopton_45
- Track 101 : Acme_47, Hami1_39
- Track 102 : NEHalo_43, AFIS_43
- Track 103 : Seabiscuit_46
- Track 104 : SarFire_43, Thor_43
- Track 105 : Gandalf20_46
- Track 106 : Beatrix_44, STLscum_46
- Track 107 : PinkPlastic_43
- Track 108 : Rutherferd_47
- Track 109 : Papez_47
- Track 110 : PattyP_45
- Track 111 : Molly_45
- Track 112 : Ichabod_46
- Track 113 : RidgeCB_44
- Track 114 : U2_43
- Track 115 : Ajay_45
- Track 116 : McGuire_45
- Track 117 : Treddle_46
- Track 118 : BK1_41, A6_41
- Track 119 : KBG_46
- Track 120 : Peterson_48
- Track 121 : Traft412_45
- Track 122 : CartmannCramer_44
- Track 123 : MilleFeuille_44
- Track 124 : MPlant7149_43
- Track 125 : Briton15_46
- Track 126 : Mule_42
- Track 127 : Marge_45
- Track 128 : Trouble_46
- Track 129 : Alsfro_48
- Track 130 : Pari_45
- Track 131 : Smeagol_46
- Track 132 : Marsha_45
- Track 133 : GageAP_45
- Track 134 : OKCentral2016_43
- Track 135 : Rebeuca_44, Kristoff_44
- Track 136 : Goose_44, Chupacabra_43
- Track 137 : Twister_42, WalterMcMickey_42, Topanga_42

• Track 138 : Severus_42, Drake94_42, PeaceMeal1_42, KittenMittens_41, Trike_42
• Track 139 : DustyMartin_48, Shapes_48, Rowdy_48, RhynO_45
• Track 140 : DontArgue_43
• Track 141 : Edison31_43
• Track 142 : Poompha_43
• Track 143 : Eaglepride_45
• Track 144 : Sham4_44, MaCh_45, Fibonacci_44, Bachome_46, Petersenfast_43, Hutc2_44, Wolpertinger_43
• Track 145 : Insomnia_45, Lucivia_45, Snape_44, Orange_44, Bowtie_45, Mulciber_44
• Track 146 : TinyTimmy_45, Salz_44, Mabel_45, Timothy_45, Ebony_45
• Track 147 : Aneem_45, Munch_45, Joselito_45, Gilberta_45, Flaverint_45
• Track 148 : Jabith_45
• Track 149 : Et2Brutus_44, Kimba_45
• Track 150 : Saskia_45
• Track 151 : Bud_44
• Track 152 : Refuge_44
• Track 153 : Zimmer_42
• Track 154 : DarthPhader_42
• Track 155 : Pharaoh_39
• Track 156 : Steamy_41
• Track 157 : Phlei_33
• Track 158 : Gail_49
• Track 159 : SororFago_48
• Track 160 : Sunhee_47
• Track 161 : Jeeves_50
• Track 162 : Luchador_50
• Track 163 : LogiBear_45
• Track 164 : Boohoo_47, Epsocamisio_46, Soups_47, KatherineG_48, Anaysia_47, LastResort_46, Looper_47, Rosalind_46, JSwag_46, ShayRa_48, Battleship_48, Switzerland_47, ReMo_46, DekHockey33_47
• Track 165 : Remus_47, Strosahl_47
• Track 166 : Oofda_47, Waits_47
• Track 167 : Nebulosus_46
• Track 168 : Ravana_48
• Track 169 : Nedarya_43
• Track 170 : MinecraftSteve_48
• Track 171 : Anon_42
• Track 172 : Warrior24_48
• Track 173 : Elle_43
• Track 174 : EagleEye_46, Lucyedi_45
• Track 175 : PainterBoy_45
• Track 176 : 40AC_46
• Track 177 : MyraDee_40
• Track 178 : Kimona_43
• Track 179 : Crucio_44, Georgie2_45, SnapTap_44, FiringLine_44, SemperFi_45, QueenBeesly_44
• Track 180 : Dignity_46
• Track 181 : Updawg_45, Piro94_44, WideWale_45, Sknot_44, Bugsy_46, Baehexic_43, NaSiaTalie_44, Flare16_44, Equemioh13_45, MiculUcigas_44, Gratitude_44
• Track 182 : SweetiePie_44
• Track 183 : RedRock_46

• Track 184 : DudeLittle_43
• Track 185 : Jsquared_43
• Track 186 : MissWhite_43
• Track 187 : WeiHuaDA_48
• Track 188 : Lokk_45
• Track 189 : Deloris_43
• Track 190 : Che12_47
• Track 191 : Travvers_47, D32_47, D29_44, Naji_47
• Track 192 : DeerParkTS_42
• Track 193 : 20ES_45, First_0044
• Track 194 : Bradman_44, MajorMajor_44, Quokka_43
• Track 195 : Echild_44, Benvolio_41
• Track 196 : Journey13_40
• Track 197 : EvilGenius_47, ChipMunk_47
• Track 198 : Anselm_45
• Track 199 : Tristan_44
• Track 200 : Adzzy_46
• Track 201 : Loser_46
• Track 202 : Caraxes_45, Superchunk_44
• Track 203 : Dalmatian_45, Retro23_45
• Track 204 : Smeagan_47
• Track 205 : Miko_43
• Track 206 : Leviathan_46
• Track 207 : QueenB2_44
• Track 208 : Landor_44, Bactobuster_43
• Track 209 : BabyBack_43
• Track 210 : Prudy_43
• Track 211 : Centaur_45, Terrific_47
• Track 212 : Herbertwm_42
• Track 213 : Changeling_45
• Track 214 : L5_44
• Track 215 : Kerberos_47, Duplo_47, DBQu4n_47, Pomar16_47, Tomathan_47
• Track 216 : LionsBait_46
• Track 217 : CRB1_46
• Track 218 : HarryHoudini_45
• Track 219 : AbbyPaige_46, Jerm_46, Turbido_45, Whabigail7_45, Agape74_46
• Track 220 : AnnaL29_46
• Track 221 : XianYue_44
• Track 222 : AN3_45, VA6_43
• Track 223 : Odin_44
• Track 224 : Serenity_45
• Track 225 : HippoHollow_44
• Track 226 : ForesterFrank_44
• Track 227 : JoshKayV_46
• Track 228 : Acolyte_41
• Track 229 : EZMoney23_43
• Track 230 : Fameo_44, Heffalump_43
• Track 231 : Koduck_45
• Track 232 : C3_43, VC3_48, AN9_48, ANI8_48
• Track 233 : Malec_45, Larenn_44
• Track 234 : Power_43
• Track 235 : LilTurb_45
• Track 236 : Kalpine_44

• Track 237 : BobSwaget_44
• Track 238 : NothingSpecial_43
• Track 239 : Phaded_46
• Track 240 : TipsytheTRex_42
• Track 241 : ArcherNM_42
• Track 242 : Pukovnik_43
• Track 243 : Iwokeuplikedis_47
• Track 244 : Colin_46
• Track 245 : NicoleTera_45
• Track 246 : Ph8s_46
• Track 247 : StarStuff_47
• Track 248 : LadyBird_47
• Track 249 : SwirlSquare_46
• Track 250 : Rachaly_45
• Track 251 : Leogania_44, BiancaTri92_44
• Track 252 : GaugeLDP_43
• Track 253 : Jaan_45
• Track 254 : Trixie_44
• Track 255 : BengiVuitton_44
• Track 256 : Trooper_45
• Track 257 : IronMan_44
• Track 258 : KingCyrus_47
• Track 259 : Drake55_46
• Track 260 : TarsusIV_42
• Track 261 : FatCactus_36
• Track 262 : Anthony_39
• Track 263 : Kinmap_43
• Track 264 : Chargerpower_44
• Track 265 : OlanP_47
• Track 266 : HashRod_49, Methuselah_45, TinyPebbles_47, BuzzBuzz_46, Soshari_50, Misomonster_49, KADY_48, LarryKay_48, Daishi_47, Spike509_48, Rummer_47, Louie6_47, Phoxy_48
• Track 267 : MarQuardt_48, Stagni_48, Mainiac_48, Cullens_48, Gwennie_47, Wooldri_50, Beauxregard13_48, SoYo_48, StepMih_48, JenCasNa_49, JHC117_48, PotatoSplit_50, LBerry_49, Sabia_48, Dieselweasel_49, LugYA_51, Penny1_49, EpicPhail_49, BreSam8_48, Tiffany_48, Bigflo_48, Colbster_48, P28Green_49, Marie_48, Croquant_49, Fernando_48, MoneyMay_48, Montavir_47, Hercules11_48, Snickers_48, Phoebe_49, Taurus_49, Anubis_51, Vix_48
• Track 268 : Microwolf_48, Pembroke_48, SoilDragon_48, Jobu08_47, AugsMagnumOpus_51, Lilith_49, Malinsilva_50, Grub_48, PGHhamlin_50, MuchMore_51, Lowa_48, Watson_48
• Track 269 : EtoileNova_45, Margo_44, Noella_44, Hookmount_44, QuinnKiro_43, Norbert_43, Texage_43, Pocahontas_44, Popcicle_44, ResDef_44, Panamaxus_42, Lambert1_44, Caviar_44, Veracruz_43, Todacoro_44
• Track 270 : ClownCar_48, PhishRPhriends_46, HaveUMetTed_49, PurpleHaze_48, Pawn_48, Heliosoles_47, Phranny_49, ACFishhook_47, Manu_48, Reba_48, Calvinny_48, Groupthink_49, Kalnoky_49, Kalb97_49, Gemma_47, Marius_49
• Track 271 : Grif_48, GtownJaz_48
• Track 272 : MadMarie_48
• Track 273 : JF2_45, MK4_45, JF4_45, B1_42
• Track 274 : Fred313_45, Roimos_45, HelDan_45, Heathen_45, Kachowdy_45, Zarafa_45, Scout_45
• Track 275 : Bxz2_44, AgronaGT15_47

• Track 276 : BabyRay_45
• Track 277 : TNguyen7_46, BlueBird_47, Bugatti_46, Giroux_47, Idleandcovert_46, Pistachio_47, SaturnRing_46, Puppy_47, Clammy_46
• Track 278 : GingkoMaracino_48, Ollie_48
• Track 279 : Chiqui_43, BabyJohn_43
• Track 280 : Zetzy_47
• Track 281 : Isca_44
• Track 282 : Marchesa_45, DropBear_45
• Track 283 : Aglet_49
• Track 284 : DaHudson_48
• Track 285 : MA5_45
• Track 286 : Sabinator_47, Grum1_48
• Track 287 : JeppNRM_49
• Track 288 : Rockstar_45
• Track 289 : Farber_48
• Track 290 : Phantastic_46
• Track 291 : KekoraPapaka_45, Sparxx_46, Sultana_45
• Track 292 : Melvin_47, Phelipe_46, Phontbonne_45, Baby16_45, Koreni_44, Cocoaberry_45, Morrow_46, Bruiser_44, Iracema64_46, Houdini22_45, Florean_45, Nemo27_45, Dhanush_45, Bombshell_45, Mazhar510_45, Holli_44, Clarenza_44, Eapen_45, Caelakin_45, Medusa_45, Phacado_45, Wizard007_45, Lunsford_46, KFPoly_44, Roosevelt_44, Albee_45, TiroTheta9_45, HamSlice_44, Blackmoor_45, Huxley_44, JoongJeon_44, Abdiel_45, Nebs_46, Lemur_45, SteMason_44, BubbleTrouble_44, TinaFeyge_45, Maxo_46, CentreCat_45, Koan_43, Citius_45, Kyee_45, Millski_44, Skipitt_44, Bartimeaus_45, Burger_43, Flux_45, Maverick_45, Lorenzo_45, Relief_44, Jaykayelowell_43, Wander_45, LappelDuVide_45, Polymorphads_46, Avle17_45, Nyxis_45, Iceman_45, Kingmustik0402_45, LeoAvram_45, PeterPeter_45, Ruin_45, Rosa24_44, BellusTerra_46, Camperdownii_43, Druantia_45, Deano_44, Kampy_45, Funston_44, Chaph_45, Mayonnaise_44, Happiness_44, YoSam321_45, RockieBear_44, Shaka_45, Ohfah_46, NorthStar_44, Tinybot_44, Broseidon_45, Gadost_45, NotAPhaseMom_45, Eurydice_46, MeeZee_45, Spino_44, Pipcraft_43, Alberto7_46, Connomayer_45, Romney_45, Peaches_45, LittleGuy_45, Wilbur_45, Eagle_45, SenorClean_45, Scamp_45, Phighter1804_45, TygerBlood_45, TroyPia_46, LittleB_45, Sabertooth_45, Eros_45, Commander_45, Taquarus_45
• Track 293 : Cici_44, Xena_43, Katalie136_44, Morpher26_44, Perplexer_44, Achebe_43, Badger_43, Bumblebee11_43, AbbysRanger_44, Backyardigan_43, Datway_44, Wile_44, PetiteSangsue_44
• Track 294 : Stink_45
• Track 295 : Cindaradix_42
• Track 296 : DirtyDunning_44, Arturo_44, Kratark_45
• Track 297 : LochMonster_46, Eris_44, Ulysses_44
• Track 298 : LHTSCC_47, ChampagnePapi_47, BangNhom_46, SheldonCooper_47, Obama12_46, Cerulean_46
• Track 299 : Miramae_44
• Track 300 : JetBlade_45
• Track 301 : OKaNui_45
• Track 302 : ICleared_45
• Track 303 : Mundrea_44
• Track 304 : Thanksgivukkah_44, Annyong_45
• Track 305 : AvatarAhPeg_44
• Track 306 : Cintron_44
• Track 307 : Noelle_45

• Track 308 : Pumbaa_45
• Track 309 : Kremtemulon_45
• Track 310 : Palestino_44
• Track 311 : Shygu2_44
• Track 312 : Stasia_44
• Track 313 : Florence4_38, Prinashe11_39, Florence1_37
• Track 314 : George_38
• Track 315 : MarysWell_37
• Track 316 : Naca_39
• Track 317 : Scorpia_40, Chadwick_40
• Track 318 : ForGetIt_38, Lev2_38, Archetta_38, Conspiracy_38, PickleBack_38, Jovo_38
• Track 319 : LittleCherry_39, HuhtaEnerson15_39, Swirley_41, Twigg_39
• Track 320 : PetterN_40
• Track 321 : Phlorence_37, Discoknowium_37, Tiger_37, Aragog_37
• Track 322 : Jabiru_39
• Track 323 : Bonamassa_39, Tarynearal_37
• Track 324 : Ghoulboy_40, Zolita_39, SydNat_40
• Track 325 : UnionJack_39
• Track 326 : Midas2_38, Coog_38
• Track 327 : Micasa_40
• Track 328 : AgentM_37
• Track 329 : ElTiger69_39
• Track 330 : Milcery_39
• Track 331 : Bluefalcon_37
• Track 332 : Airmid_39
• Track 333 : Cuco_38
• Track 334 : Dublin_37, Theia_36
• Track 335 : Benedict_39
• Track 336 : Lilbunny_44, Tucker_46, CloudWang3_45, Yokurt_45, ToneTone_42, Artemis2UCLA_45, Zaka_45, BlessJoy_46, Hexamo_45, Roksolana_46, Zulu_46, Wiks_44, WunderPhul_45
• Track 337 : Isiphiwo_43
• Track 338 : Jordennis_45
• Track 339 : SuperCallie99_45, DelvinSonDorr_44
• Track 340 : Indra_48, Pmask_45, Helmet_47, BABullseye_43, Temprado_46, Newrala_45, Polyphemus_46, Garak_47, GreedyLawyer_45, SuperAwesome_45, Chartreuse_45, Neeharika16_45, DaVinci_45, Cookiedough_45, JewelBug_47
• Track 341 : Blue7_48, Rifter_47
• Track 342 : Candra_45, SmellyB_45, Hoot_45, BennyP_46, Kipper29_45, EricB_45, Dorothea_45, McFly_45, VohminGhazi_45, Kazan_46
• Track 343 : Gladiator_45
• Track 344 : Blinn1_48
• Track 345 : Priamo_47
• Track 346 : Koko_47, Hammer_47
• Track 347 : Gruunaga_45
• Track 348 : Jeffabunny_45
• Track 349 : FlyCatcher_47, Toro_45, Sheen_44
• Track 350 : DroogsArmy_41
• Track 351 : Timshel_43
• Track 352 : PP_46
• Track 353 : HINdeR_41
• Track 354 : Roary_43

• Track 355 : NearlyHeadless_43
• Track 356 : Smeadley_43
• Track 357 : Danforth_42
• Track 358 : Caitlin_42, Expelliarmus_42
• Track 359 : Astro_42
• Track 360 : Phillis_44
• Track 361 : Groundhog_41
• Track 362 : Saintus_38
• Track 363 : Stephig9_43
• Track 364 : Dixon_43
• Track 365 : BogosyJay_44, Maminiaina_44
• Track 366 : Bellris_43, CogOmlette_43, WorldCup_43, Minispark_43, Rahalelujah_44
• Track 367 : Eidsmoe_45, Holex_44, Myxus_45, Phaeder_45, Ayanochan_46, Jiawan_43, Spouty_45, Beemo_45, EmyBug_44, PackMan_44, ExplosioNervosa_45, Hanray_43, Aliter_45, Catalina_46, Phonnegut_45, Pioneer_45, HortumSL17_45, Tubs_45, Priya_45, EdogawaKiddo_43, RyeScarlet_46, Qobbit_45, Fayely_45, Onglai_43
• Track 368 : SheaKeira_43
• Track 369 : Conquerage_45, Sachima_42, Scherzo_45, Ugenie5_42, Lilleskat_43
• Track 370 : Alma_45
• Track 371 : Charm_42
• Track 372 : Keziacharles14_44
• Track 373 : DreamTeam1_42
• Track 374 : Vanisoa_44
• Track 375 : Klodlith_43
• Track 376 : LoneWolf_45
• Track 377 : Yecey3_46
• Track 378 : Arissanae_44
• Track 379 : MegTheThird_43, Celestialunch_43
• Track 380 : Elephantoon_44
• Track 381 : Darrell_46
• Track 382 : Toaka_44
• Track 383 : JacoRen57_40
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• Track 834 : Ixel_38
• Track 835 : Scissor2024_37
• Track 836 : WestPM_35, Penta_35
• Track 837 : Andromedas_38, Glamour_37, ChikPic_38, ColaCorta_38, PSirce_38, Shamu_38
• Track 838 : MCubed_38, Finny_38, Phanita_38, Zenitsu_38
• Track 839 : Xebius_38
• Track 840 : Saratos_38, Eleri_38
• Track 841 : Sansa_37
• Track 842 : Pikmin_35, Pajaza_35, Casey_35
• Track 843 : Lucky3_37, Golden_37, SirVictor_37, Guetzie_37
• Track 844 : RenegadeRaider_39, Koji_37
• Track 845 : Kauala_37
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• Track 847 : Pherbot_37, Bustleton_37
• Track 848 : Jingles_37
• Track 849 : PrincePhergus_37
• Track 850 : Sinatra_37
• Track 851 : Clock_37, Nebulous_37
• Track 852 : Hasitha_37, Fulton_37
• Track 853 : Zepp_38
• Track 854 : Neferthena_38
• Track 855 : GreenIvy_37, BaronJohn_37, Zayuliv_37
• Track 856 : Alakazam_38
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• Track 858 : CaptainRex_37, Librie_37
• Track 859 : TwoBits_37
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• Track 862 : Luna18_40, KatChan_40
• Track 863 : Morrigan_40
• Track 864 : Jemerald_40, Juicer_40
• Track 865 : Chepli_40
• Track 866 : WilliamStrong_38
• Track 867 : Schubert_36

• Track 868 : Cheeto1_39
• Track 869 : GaeCeo_39, ChickenKing_38
• Track 870 : ChiliPepper_40, Dismas_40, Kamdara_40, Sharkboy_41, Rona_40
• Track 871 : Cashington_40
• Track 872 : Solea_43, Milomuff_42
• Track 873 : Stromboli_43
• Track 874 : Bachaco_40
• Track 875 : MsUbiquitous_43, Lilo27_43, TukTuk_43, Eula_43, CupcakePrincess_43, Jabb_43
• Track 876 : Avocadoman_41
• Track 877 : Elva_44
• Track 878 : Teagster_43
• Track 879 : SansAfet_43, Bengal_43, PhigPhack_43, Arroyo_43
• Track 880 : BelmontSKP_43, AnnaLie_43
• Track 881 : Swervy_43, Phisb_43
• Track 882 : Katzastrophic_41
• Track 883 : Rollins_40, Vitas_40, Skylord_40, Armstrong_40, Bernstein_40
• Track 884 : Akino08_43, Loviatar_43
• Track 885 : Doobus_41, Johnathan_41
• Track 886 : Kate33_43
• Track 887 : LimaBean_42, Abigail_42
• Track 888 : SanaSana_45
• Track 889 : BabyYoda_43, Icarian_45
• Track 890 : Franklin22_41
• Track 891 : Nicky22_43
• Track 892 : Quenya_42
• Track 893 : Squircle_39, Olliecat_39
• Track 894 : BAjuniper_43
• Track 895 : PastaFagioli_43
• Track 896 : Kieran_40
• Track 897 : Celaena_40
• Track 898 : SirBeanington_42, Albedo_43
• Track 899 : Softsoap_42
• Track 900 : Buldak_39
• Track 901 : CanFranMach_44
• Track 902 : BubbaBear_41
• Track 903 : Clayda5_41
• Track 904 : Coltrane_40, Brahms_40
• Track 905 : DickRichards_41
• Track 906 : FlameThrower_40
• Track 907 : Jovita_43
• Track 908 : CroZenni_42
• Track 909 : Lynlen_43
• Track 910 : Finalfrontier_43
• Track 911 : WalkingDead_44
• Track 912 : IndyLu_42
• Track 913 : AylexOG_44
• Track 914 : PondAmelia_53
• Track 915 : Kenzers_43
• Track 916 : SarBear_42, Slay_43
• Track 917 : DirtyBubble_42
• Track 918 : Burritobowl_42
• Track 919 : Pecas_43

- Track 920 : QMacho_45
- Track 921 : Albright_40
- Track 922 : SunnyD_42
- Track 923 : AvGardian_44
- Track 924 : Stoor_43
- Track 925 : Gack_40
- Track 926 : Eden_40
- Track 927 : Didgeridoo_45
- Track 928 : BabyDaisy_42
- Track 929 : Lahqtemish_42
- Track 930 : Shayna_42
- Track 931 : CliffHanger_44
- Track 932 : Floof_49
- Track 933 : Cen1621_44
- Track 934 : Percival_49
- Track 935 : Gretchen_48
- Track 936 : UtzChips_47, Barnstormer_47
- Track 937 : SuMoo_50
- Track 938 : Zeta1847_40
- Track 939 : Forester_47
- Track 940 : GardenState_48, IAmGroot_48
- Track 941 : SuperHands_47
- Track 942 : Honk_44
- Track 943 : Caron_50
- Track 944 : Mabodamaca_48
- Track 945 : SJReid_103
- Track 946 : FloraSnap32_99
- Track 947 : Rockabye_103
- Track 948 : BooTeria_95
- Track 949 : Atuin_93
- Track 950 : Bloom_103, Mimi_99, Racecar_100
- Track 951 : LeoJr_98, ReginaGlobina_98
- Track 952 : Chilliams_97
- Track 953 : Stewart25555_90
- Track 954 : DunneganBoMo_88
- Track 955 : KSunshine22_93
- Track 956 : Ellewin_87
- Track 957 : Talia1610_99
- Track 958 : Patbob_98
- Track 959 : GoldenEssence_85
- Track 960 : Phrampa_92
- Track 961 : FrostedClock_102
- Track 962 : WaddleDee_86
- Track 963 : Panchaali_90
- Track 964 : Emmetator_91
- Track 965 : Artu_91
- Track 966 : GrimEater_37
- Track 967 : LisoBros_41
- Track 968 : CallinAllBarbz_41
- Track 969 : BaileyBlu_41
- Track 970 : Elfy_41
- Track 971 : Jankie_38
- Track 972 : ChipsNGuac_40, AnnabelLee_40

• Track 973 : Agamotto_41
• Track 974 : Makima_41
• Track 975 : LastNadiia_43
• Track 976 : TripleC_42
• Track 977 : Ezurina_39
• Track 978 : CardboardBox_41, Gerri43_40, Neuvillette_40, ChamoyPickle_42, Roberts_40
• Track 979 : Audell_40
• Track 980 : TMaxx_42
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• Track 982 : Mireles_44
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• Track 984 : BarnCat_62
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• Track 992 : PauloDiaboli_117
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• Track 1004 : Yappy_80
• Track 1005 : Shrew_79
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• Track 1008 : Ponzi_14
• Track 1009 : Magritte_69
• Track 1010 : Shocker_43
• Track 1011 : Attoomi_34
• Track 1012 : BFK20_ORF44
• Track 1013 : Tailonex_28
• Track 1014 : Samy_65
• Track 1015 : Pine5_49

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

The start number called the most often in the published annotations is 254, it was called in 935 of the 1873 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• 20ES_45, A6_41, ACFishhook_47, AEgle_37, AFIS_43, AGrandiflora_42, AN3_45, AN9_48, ANI8_48, AbbeyMikolon_44, AbbyPaige_46, AbbysRanger_44, Abbyshoes_47, Abdiel_45, Abrogate_440, AceofSpades_46, Achebe_43, Acme_47, Acolyte_41, Adahisdi_44, Adolin_40, Adumb2043_38, Adzzy_46, Aeneas_47, Agaliana_41, Agape74_46, AgentM_37, Aglet_49, AgronaGT15_47, AinMach_42, Airmid_39, Ajay_45, Alatin_36, Albee_45, Alberto7_46, Aldrich_45, Aliter_45, Alma_45, Alpacados_35, Alsfro_48, Altman_46, Alvin_44, Ampforia_39, Amyev_40, Anaysia_47, Aneem_45, Anglerfish_45, AngryOrchard_34, AnnaL29_46, Annyong_45, Anon_42, Anselm_45, Anthony_39, Anubis_51, AppleCloud_34, Applejack_40, Aragog_37, Arcanine_46, ArcherNM_42, Archetta_38, Arissanae_44, Arlo_42, Artemis2UCLA_45, Arturo_44, Asa16_39, Ascela_41, Ashballer_46, Astro_42, Atkinbua_46, Attoomi_34, AugsMagnumOpus_51, AvatarAhPeg_44, Avle17_45, Ayanochan_46, B1_42, BABullseye_43, BK1_41, BPBiebs31_45, Baby16_45, BabyBack_43, BabyJohn_43, BabyRay_45, Bachome_46, Backyardigan_43, BaconJack_48, Bactobuster_43, Badger_43, Baehexic_43, BaileyBlu_41, BangNhom_46, Barnstormer_47, Barriga_45, BarrowTuph_45, Bartimeaus_45, Battleship_48, Beatrix_44, Beauxregard13_48, Beemo_45, BeesKnees_45, Belenaria_36, Bellris_43, BellusTerra_46, Benedict_39, BengiVuitton_44, BennyP_46, Benvolio_41, Berrie_42, Bethlehem_44, Bexan_43, BiancaTri92_44, Big3_43, BigMau_45, BigPaolini_45, Bigchungi_43, Bigflo_48, Bigfoot_41, BillKnuckles_45, Bimmel_18, Bircsak_44, Blackflame_44, Blackmoor_45, BlessJoy_46, Blesser_43, Blinn1_48, BluSpix_42, Blue7_48, BlueBird_47, Blue_44, Bluefalcon_37, Bob3_42, BobSwaget_44, BobbyDazzler_36, BogosyJay_44, Bombshell_45, Bonamassa_39, Bonanza_36, Bones_45, Boohoo_47, Bowtie_45, Bradshaw_36, BreSam8_48, Briton15_46, Broseidon_45, Bruiser_44, Bruns_43, Bryce_36, BubbleTrouble_44, Bud_44, Bugatti_46, Bugsy_46, Bumblebee11_43, Burger_43, Burton_44, Buttons_43, BuzzBuzz_46, Bxb1_41, Bxz2_44, C3_43, CRB1_46, CactusRose_42, Caelakin_45, Caitlin_42, CallinAllBarbz_41, Calvinny_48, Camperdownii_43, Candra_45, Caraxes_45, Carlyle_44, Caron_50, CartmannCramer_44, Cassia_40, CatBus_45, Catalina_46, Causa_86, Caviar_44, Celestialunch_43, Cen1621_44, Centaur_45, CentreCat_45, Cerulean_46, Chadwick_40, ChampagnePapi_47, Chanagan_42, Changeling_45, Chaph_45, Chargerpower_44, Charm_42, Chartreuse_45, Che12_47, ChipMunk_47, Chiqui_43, ChristmasHams_41, Chupacabra_43, Ciao_45, Cici_44, Cindaradix_42, Cintron_44, Citius_45, Clammy_46, Clarenza_44, CliffHanger_44, CloudWang3_45, ClownCar_48, Cocoaberry_45, CogOmlette_43, Colbster_48, Colin_46, Commander_45, Community_43, ConceptII_46, Connomayer_45, Conquerage_45, Conspiracy_38, Coog_38, Cookiedough_45, Corvo_45, CosmicSans_36, Crewmate_46, Crispicous1_43, Croquant_49, Crucio_44, Cuco_38, Cueylyss_46, Cullens_48, Cyan_41, D29_44, D32_47, DBQu4n_47, DD5_44, DaHudson_48, DaVinci_45, Daishi_47, Dalmatian_45, Danforth_42, Darrell_46, DarthPhader_42, Datway_44, Deano_44, DeerParkTS_42, DekHockey33_47, Deloris_43, DelvinSonDorr_44, Dexes_45, Dhanush_45, Dieselweasel_49, Dignity_46, Dinger_36, DirtDevil_46, DirtyDunning_44, Discoknowium_37, Dixon_43, DontArgue_43, Doom_45, Dorothea_45, DrFeelGood_43, DrManhattan_40, DrSierra_39, Drake55_46, Drake94_42, DreamCatcher_47, DreamTeam1_42, Dreamboat_46, DroogsArmy_41, DropBear_45, Druantia_45, Dublin_37, Dubu_35, DudeLittle_43, Dulcie_45, Duplo_47, Dussy_46, DustyMartin_48, Dynamix_45, EagleEye_46, Eagle_45, Eaglepride_45, Eapen_45, Ebony_45, Echild_44, Edison31_43, EdogawaKiddo_43, Edtherson_45, Eidsmoe_45, Elephantoon_44, Elezi_39, Elfy_41, Elle_43, Emotion_46, EmyBug_44, EnzoK_43, EpicPhail_49, Epsocamisio_46, Equemioh13_45, Eraser_39, EricB_45, Erik_36, Eris_44, Eros_45,

Espica_36, Espresso_44, Et2Brutus_44, EtoileNova_45, Euphoria_43, Euratis_35, Eurydice_46, EvilGenius_47, Exile_36, Expelliarmus_42, ExplosioNervosa_45, Eyeball_46, Fajezeel_47, Fameo_44, Farber_48, Fascinus_41, FatCactus_36, Fayely_45, Fenn_46, Fernando_48, Fibonacci_44, FiringLine_44, First_0044, FiveHead_49, Flare16_44, Flaverint_45, Florean_45, Florence1_37, Florence4_38, Flutur_40, Flux_45, FlyCatcher_47, ForGetIt_38, ForesterFrank_44, Forsytheast_44, Francis47_44, Fred313_45, Froghopper_43, Funston_44, Fushigi_43, GMA2_66, GMonster_42, Gachnar_45, Gadost_45, GageAP_45, Gail_49, Gandalf20_46, Garak_47, GaugeLDP_43, Gemma_47, George_38, Georgie2_45, Ghoulboy_40, Gilberta_45, GingkoMaracino_48, Giroux_47, Gladiator_45, Glubnar_59, GodonK_188, Gollum_36, Gompeii16_44, Goose_44, Graduation_48, Gratitude_44, GrecoEtereo_45, GreedyLawyer_45, Greg_47, Grif_48, GrimEater_37, GroundGoblin_45, Groundhog_41, Groupthink_49, Grub_48, Grum1_48, Gruunaga_45, GtownJaz_48, Gwendoluna_47, Gwennie_47, Gyzlar_41, HINdeR_41, HamSlice_44, Hami1_39, Hammer_47, HanShotFirst_43, Hanray_43, Happiness_44, Harlequin_36, HarryHoudini_45, HarryOW_43, HarveySr_57, HashRod_49, HaveUMetTed_49, Heathen_45, Heather_37, Heffalump_43, HelDan_45, Heliosoles_47, Helmet_47, Herbertwm_42, Hercules11_48, Hermia_46, HermioneGrange_44, Hexamo_45, HippoHollow_44, Hiro_36, Holex_44, Holli_44, Homines_37, Hookmount_44, Hoot_45, Hope4ever_46, HortumSL17_45, Houdini22_45, HuhtaEnerson15_39, Hutc2_44, Huxley_44, ICleared_45, ILeeKay_49, IUFootball_42, Iceman_45, Ichabod_46, Idleandcovert_46, IgnatiusPatJac_44, Indra_48, Insomnia_45, Inyanga_42, Iqorha_42, Iracema64_46, IronMan_44, Isca_44, Isiphiwo_43, Iter_41, IttyBittyPiggy_41, Iwokeuplikedis_47, JC27_45, JF2_45, JF4_45, JHC117_48, JSwag_46, Jaan_45, Jabiru_39, Jabith_45, JackSparrow_46, Janeemi_43, Jankie_38, JasmineDragon_45, Jasper_46, Jaykayelowell_43, Jeeves_50, JenCasNa_49, JeppNRM_49, Jerm2_45, Jerm_46, Jester_36, JetBlade_45, JewelBug_47, Jiawan_43, Jobu08_47, Joemato_41, JohnDoe_41, JohnThicc_48, JoongJeon_44, Jordennis_45, Jorgensen_45, Joselito_45, JoshKayV_46, Journey13_40, Jovo_38, Jstan_41, JuliaChild_45, KADY_48, KBG_46, KFPoly_44, KSSJEB_43, Kachowdy_45, Kalb97_49, Kalnoky_49, Kalpine_44, Kampy_45, Kanely_45, Katalie136_44, KatherineG_48, Kaylissa_42, Kazan_46, KeAlii_40, KekoraPapaka_45, Kenmech_48, Kerberos_47, KikiBouba_46, Killigrew_44, Kimba_45, Kimona_43, KingCyrus_47, Kingmustik0402_45, Kinmap_43, Kipper29_45, KittenMittens_41, Klodlith_43, Koan_43, Koko_47, Koreni_44, Kratark_45, Kremtemulon_45, Krishelle_36, Kristoff_44, Kugel_46, KyMonks1A_47, Kyee_45, Kykar_45, LBerry_49, LHTSCC_47, LadyAstra_48, LadyBird_47, Lambert1_44, Lamina13_45, Landor_44, LappelDuVide_45, Larenn_44, LarryKay_48, LastResort_46, Lego_41, Lemur_45, LeoAvram_45, Leogania_44, Lesedi_42, Lev2_38, Levia_42, Leviathan_46, Licorice_48, LilBib_45, LilTurb_45, Lilbooboo_34, Lilbunny_44, Lilith_49, Lilleskat_43, Lillie_36, LionsBait_46, LisoBros_41, LittleB_45, LittleCherry_39, LittleGuy_45, Lizalica_39, LochMonster_46, Lockley_44, LogiBear_45, Lokk_45, London_39, LoneWolf_45, Looper_47, Lopton_45, Lorenzo_45, Loser_46, Louie6_47, Lowa_48, Luchador_50, Lucivia_45, Lucyedi_45, LugYA_51, LunarLander_46, Lunsford_46, MA5_45, MK4_45, MPlant7149_43, MaCh_45, MaGuCo_40, Mabel_45, Mabodamaca_48, MadMarie_48, Magnar_44, Magnito_42, Mainiac_48, Makemake_44, Malec_45, Malinsilva_50, Maminiaina_44, Manatee_45, Manu_48, MarQuardt_48, Marcell_43, Marchesa_45, Marchy_39, Marco3_47, Marge_45, Margo_44, Marie_48, Marius_49, Maroc7_43, Marsha_45, MaryBeth_45, MarysWell_37, Maureen_42, Maverick_45, Maxo_46, Mayonnaise_44, Mazhar510_45, McFly_45, McGuire_45, McSinger_45, Medusa_45, MeeZee_45, MegTheThird_43, Melvin_47, MetalQZJ_44, Methuselah_45, Micasa_40,

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Subaru_40, Success_19, Sue2_42, Sultana_45, Sumter_42, Sunhee_47, SunnyD_42, Sunshine924_45, SuperAwesome_45, SuperCallie99_45, Superchunk_44, SwainyDoc_59, Swann_36, SweetiePie_44, SwirlSquare_46, Swirley_41, SwissCheese_46, Switzer_45, Switzerland_47, Swole_45, SydNat_40, TG1_31, TNguyen7_46, TWAMP_36, Tailonex_28, Takoda_36, Tallboi_40, Taquarus_45, Target_45, Tarynearal_37, Tasp14_46, Taurus_49, Tbone_40, Teagster_43, Temprado_46, Teodoridan_43, Terrific_47, Texage_43, TforTroy_42, Thanksgivukkah_44, Theia_36, TheloniousMonk_46, Thor_43, ThursdayNight_44, Tian_39, Tiffany_48, Tiger_37, Timothy_45, Timshel_43, TinaFeyge_45, TinyPebbles_47, TinyTerror_59, TinyTimmy_45, Tinybot_44, TipsytheTRex_42, TiroTheta9_45, Todacoro_44, Tomathan_47, ToneTone_42, Topanga_42, Topgun_44, Toro_45, Tote_40, Traft412_45, Travvers_47, Treddle_46, Trike_42, Tripl3t_45, Tristan_44, Trixie_44, Trouble_46, TroyPia_46, Tubs_45, Tuck_44, Tucker_46, Turab_38, Turbido_45, Turj99_42, Tutumahutu_42, Tweety19_41, Twigg_39, Twister_42, TwoPeat_45, TygerBlood_45, U2_43, Ugenie5_42, UhSalsa_36, Ulysses_44, UnionJack_39, Updawg_45, UtzChips_47, VA6_43, VC3_48, VResidence_41, Vanisoa_44, Vash_34, Veracruz_43, Violet_42, Vix_48, VohminGhazi_45, VroomVroom_45, Waits_47, WalterMcMickey_42, Wander_45, Warda_41, Warrior24_48, Watermelon_46, Watson_48, WeiHuaDA_48, Whabigail7_45, Wheeler_45, Whitspit_43, WideWale_45, Wiks_44, Wilbur_45, Wildwest_40, Wile_44, Wilkins_44, Wizard007_45, Wolpertinger_43, Wooldri_50, WorldCup_43, WunderPhul_45, Xena_43, XianYue_44, Yecey3_46, YesChef_41, Yinz_58, YoSam321_45, Yogi_36, Yokurt_45, Yoncess_36, Zaka_45, Zarafa_45, Zeeculate_43, Zephyr_44, Zetzy_47, Zeuska_44, Zimmer_42, Zolita_39, Zulu_46, phiBT1_11, phiSASD1_12,

Genes that have the "Most Annotated" start but do not call it:
• 40AC_46, ElTiger69_39, Jeffabunny_45, JuneStar_42, LadyJasley_40, Liebe_42, Naca_39, Yang_41,

Genes that do not have the "Most Annotated" start:
• 39HC_051, 40BC_051, 8UZL_44, A3Wally_117, ABU_61, Abigail_42, Abinghost_58, AbsoluteMadLad_61, Abt2graduatex2_49, Acadian_58, Acosta_40, Adat_36, Adriana_62, Aelin_60, Agamotto_41, Agatha_43, Agente005_39, Ahwei_52, AikoCarson_44, Akino08_43, Akoma_58, AksarBAT_53, Alakazam_38, AlanGrant_57, Albedo_43, Albright_40, Aleia_63, AlexAdler_39, Allegro_57, Alone3_143, AltPhacts_60, Altwerkus_58, Alyxandracam_39, Amavida_56, Amigo_55, Amok_44, AnClar_50, Anansi_54, AnarQue_54, AndPeggy_40, Anderson_61, Andre_62, Andromedas_38, AngelCake_61, Anilorac_38, AnnaLie_43, AnnabelLee_40, Antihero_52, Antoinette_39, Antonia_60, Aonishiki_61, Apex_54, Apizium_60, Applejacks_45, AranulaLuti_38, Arbiter_56, Ares_57, Armstrong_40, Arroyo_43, Artu_91, Ashes_38, Ashraf_62, Asis_48, Asta_38, Athena_60, Atuin_93, Aubergine_38, Audell_40, Audrey_58, Austelle_54, AvGardian_44, Avocadoman_41, AxiPup_39, Axumite_51, Axym_42, AylexOG_44, Azira_40, BAjuniper_43, BFK20_ORF44, BRock_133, BabyDaisy_42, BabyGotBac_49, BabyYoda_43, Bachaco_40, Badfish_61, Baee_59, Baines_38, Balloona_44, Baloo_58, Balsa_38, Bananafish_57, Bandik_39, Banjo_59, BarnCat_62, BaronJohn_37, Basato_61, BatteryCK_61, Bavilard_44, BayC_48, Beaglebox_60, Beaupre_37, BeautPeep30_39, BeeBee8_39, Beleetus_139, BelmontSKP_43, Ben11_58, Bengal_43, Benjalauren_39, Bernardo_59, Bernstein_40, Big4_105, BigChungus_44, BigRedClifford_39, BiggityBass_49, BillDoor_43, BirdsNest_61, Bishoperium_60, Biskit_45, BlackStallion_62, Blackpen_53, BlacksBerry_61, Blage_39, Blocker23_57, Blondies_46, Bloom_103, BlueHusk_62, BlueNGold_170, Bluephacebaby_60,

BobRoss2024_51, BobbyK_54, Boehler_60, Boersma_57, BonesMcCoy_39, Bonino_38, BooTeria_95, BoogieWoogie_61, Boopy_173, BouleyBill_36, Boyle_57, Brad_36, Bradman_44, Brahms_40, Briakila_57, Brilliant_63, BrownCNA_55, Brownie5_57, BubbaBear_41, Bubble_41, Buckeye_61, Buldak_39, Burnsey_43, Burr_60, Burritobowl_42, Bustleton_37, Button_46, Buttrmlkdreams_45, Byron23_39, CRB2_57, CaiB_54, Calamitous_57, Calix_38, CamL_60, CampRoach_62, CanFranMach_44, CanesSauce_42, Cannibal_60, Cappuccino_38, CaptainRex_37, CaramelLatte_42, CardboardBox_41, CarisSwetlik_41, Carostasia_37, Carsonalex_46, Carthage_59, Casbah_58, Casey_35, Cashington_40, Caspiboi_61, Casserole_35, Cassita_65, Cece_99, Celaena_40, ChaChing_58, Chaelin_61, Chah_62, Chako_38, Chalmers_57, ChamoyPickle_42, Chamuel_38, Chandler_58, Charles1_61, CharlieGBrown_61, CharlottesWeb_50, CheetO_60, Cheeto1_39, Chentzyk_59, Chepli_40, Cher_60, CherryonLim_46, ChickenKing_38, ChickenTender_45, ChikPic_38, Childish_60, ChiliPepper_40, Chilliams_97, Chipette_61, ChipsNGuac_40, ChocoMunchkin_42, Chorkpop_60, ChrisnMich_53, Christoph_38, Chuni_63, Chunky_59, Chute_62, Clancy_38, Clayda5_41, Cleo_38, Clock_37, CloverMinnie_53, Cobra_62, CocoaPuff_45, Coffee_57, ColaCorta_38, Colbert_59, Coldpizza_51, Coletti_63, Coltrane_40, Compostia_58, Convict_39, Cooper_54, CoraRita_38, Cornbread_60, Cornobble_60, Corofin_58, Cosmolli16_61, Cozz_41, Craff_63, CroZenni_42, Crownjwl_60, CupcakePrincess_43, DaddyDaniels_62, Daffy_60, Daisy_57, Daka_63, Dati_60, Dave_39, Deenasa_58, DelRivs_59, Delphidian_39, Den3_39, Derpp_60, Devonte_57, Dewdrop_95, Dice_59, DickRichards_41, Didgeridoo_45, DigitDog_58, Dingo_59, Dione_58, DirtJuice_61, DirtyBubble_42, Dismas_40, Doddsville_61, Dodo_119, DoesntMatter_58, DolOn_66, DonSanchon_58, Donkey_38, Donny_59, Doobus_41, Dothraki_39, Dre3_38, DuchessDung_62, Duggie_61, DunneganBoMo_88, Duocatuli_38, Durga_63, EZMoney23_43, Eaglehorse_57, EastView9101_57, Eden_40, EhyElimayoE_67, ElJefes_46, Eleri_38, Elinal_48, Eliott_43, Ellewin_87, Elva_44, ElvisPhasley_62, EmGer13_62, Emalyn_42, EmiRose_34, Emiris_63, Emmetator_91, EmpTee_60, Endor_39, Epah_52, Erasmago_107, Eremos_60, Erla_38, Espinosa_38, Etaye_62, Etna_38, Etta_38, Eugenia_60, Eula_43, Evaa_50, Exploradora_38, Ezurina_39, FF47_43, Fanaw_52, Fang_62, FarmerDoug_38, Faze9_56, Feastonyeet_44, FelixTres_53, Figueroism_39, Finalfrontier_43, Finny_38, Flake_61, FlameThrower_40, FleetyMac_63, Floof_49, FloraSnap32_99, FluffyNinja_62, ForDig_52, Forester_47, Fortunato_54, Forza_174, Fozzie_61, Frankenweenie_74, Frankicide_59, Franklin22_41, Frederick_54, FremontTroll_61, FrenchFry_57, Fresco_51, Freya_58, FriarPreacher_60, Fribs8_39, Fringe_64, FrostedClock_102, Fudan_137, FugateOSU_61, Fulton_37, Funsized_59, GTE2_35, Gack_40, Gadjet_59, GaeCeo_39, GalaxyEater_37, Gambol_39, GardenB_38, GardenState_48, Gareth_60, Garey24_38, Gargoyle_39, Garnacho_133, Gelo_38, GeneCoco_61, Gerri43_40, Gershwin_38, Gervas_59, GiJojo_132, GiKK_48, Gibbous_38, GinPorsche_53, Giorgio_37, Giraffe_61, Glamour_37, Glass_57, GlenHope_59, Godines_58, GoingMerry_39, GoldHunter_44, GoldenEssence_85, Golden_37, GoneGirl_39, Gophee_62, Gorgeous_54, Grand2040_60, GreenChile_62, GreenIvy_37, Gretchen_48, Greys_39, Gubbabump_38, Guetzie_37, Gumpizza_37, GurgleFerb_36, Gustav_47, Gwennie1_60, Gwilliam_61, Gyarad_0059, HSavage_59, Haimas_59, HairyMan_35, Haleema_59, Halfpint_57, Hally898_52, Halsey_38, Hamish_59, Hamlet_38, HanSolo_38, Hangman_53, HankSprout_39, Happabalu_61, Hartsy_61, Harvey_59, Hashim76_61, Hasitha_37, HavenFinLeoSun_40, Heath_52, Heathcliff_58, Hedgerow_57, Hekos_59, Held_60, Hendrix_88, HenryJackson_60, HerculesXL_37, Hertubise_60, Hetaeria_60, Hexbug_51, Heylee_57, HighStump_62, HippoPololi_40, Hocus_60, HogWash_62, Holeinone_57, Honk_44, Horchata_59, Horseradish_45, Hosp_050,

HungryHenry_38, Huwbert_71, Hydro_53, IAmGroot_48, Ibantik_18, Icarian_45, Ichor_55, Ilzat_38, ImtiyazSitla_62, Imvubu_52, Inchworm_62, Indlovu_55, IndyLu_42, Inventa_39, Inverness_59, Ioannes_39, Iridessa_61, Iridoclysis_61, IsaacEli_62, ItsyBitsy1_57, Ixel_38, JAMaL_53, JDog_59, Jabb_43, JacAttac_62, Jackstina_54, JacoRen57_40, Jaek_55, JaguarMi_55, JakeO_61, Jamzy_48, JangoPhett_60, Janus167_38, Jasmine_38, JasonD_41, JasperRussell_38, JellyBelly_49, Jemerald_40, Jenos_42, Jerbirus_39, JeriBeth_38, Jesabah_62, Jillium_60, Jiminy_61, Jingles_37, Jiraiya_61, Johnathan_41, Jolie1_052, Jovita_43, JoyceMaria_53, Jsquared_43, Juanyo_37, Juicer_40, JustBecause_62, KLucky39_59, KSunshine22_93, Kahve_60, Kailash_61, Kale_38, Kaleb_57, Kalimba_38, Kamdara_40, Kamiyu_58, KannH_38, KarasumaRum_58, Karn_61, KatChan_40, Kate33_43, Katniss_61, Katzastrophic_41, Kauala_37, Kavo_36, KayGee_46, KayaCho_51, Keitherie_62, Kela_63, KellyGreen_39, Kenzers_43, Keziacharles14_44, Khan1_61, Kheth_57, Kieran_40, Kikipoo_62, KimJongPhill_80, Kimbrough_61, KingJulien_38, KingTut_53, KingVeVeVe_59, KlimbOn_60, Klimt_38, Kloppinator_61, Knocker_59, Knox_39, Koduck_45, Koji_37, Kolhan_57, Kouch_38, Kradal_67, Kronus_58, Kurt1_39, Kwadwo_59, Kwksand96_61, L5_44, Labeouficaum_61, Lahqtemish_42, Lambano_52, Lars_57, Larson_64, LasagnaCat_62, Lasso_61, LastNadiia_43, Lauer_41, Laure_103, Laurie_57, Leaf_95, Leafus_38, LeeLot_61, LeeroyJenkins_68, Lego3393_59, Legolas_62, Lehmann_62, LeiMonet_63, LemonSlice_61, LeoJr_98, Lephleur_57, LestyG_57, Librie_37, Lifes_61, Ligma_51, LilMcDreamy_55, LilSmirk_57, LilTerminator_37, Lilo27_43, LimaBean_42, LittleDigger_52, LittleMinkey_63, LittleMunchkin_52, LizLemon_57, Lolalove_54, LongHai_45, Longacauda_61, Lopsy_59, LostAndPhound_61, Lovelyunicorn_39, Loviatar_43, Lucky3_37, LuckyMarjie_58, LuckySocke_138, Ludgate_39, Lulumae_58, Lulwa_58, Lumine_61, Luna18_40, Lynlen_43, MAnor_46, MCubed_38, MRabcd_60, MScarn_47, MaVan_40, Maco6_42, MaeLinda_39, Mag7_61, Magic8_61, Magpie_52, Magritte_69, Mahdia_44, Maih_47, MajorMajor_44, Makima_41, MakoManhole_51, Malvina_41, ManRay_38, Mana_59, Manad_60, Mandalorian_37, Mareelih_171, Margaret_49, Mariokart_50, Marley1013_59, Marlia_59, Martin_40, Maru_60, Maskar_62, MasterPo_57, Matalotodo_60, Mayweather_49, McDazzle_47, McGalleon_41, Mcshane_59, Mecca_60, Megamind20_61, Megatron_61, Melc17_60, MelsMeow_61, Mercedes_34, Merida02_40, Mesh1_62, Mesmerelda_60, MichaelPhcott_61, Mikota_59, MillyPhilly_39, Milomuff_42, Mimi_99, MiniBoss_58, MiniVolent_36, Mireles_44, Mischief19_57, MitKao_60, Mithril_53, MmasiCarm_59, Molivia_56, MonChoix_37, Morgushi_60, Morrigan_40, Morrissey_47, Mortcellus_58, Morty007_58, Morty_61, Mosaic_59, MossRose_53, Moss_38, MrPhizzler_63, MrWorldwide_39, MsUbiquitous_43, Muddy_44, Mudslide_53, Mulan_60, Mulaychimus_59, MunkgeeRoachy_41, Murdoc_59, Mutante_60, Mysterious_56, Mysterium_37, NHagos_52, Nacho_0062, Nagem_39, Nanao_52, Nangang_58, Nathan_61, Nattles_38, Nebulous_37, Neferthena_38, Nehemiah_57, Nellie_36, Neos5_58, Neuvillette_40, Newman_59, NiaNia_63, Nibbles_39, NickSell_39, Nicky22_43, Nicole21_61, Nigel_54, Nina_42, Nirvana_71, NoShow_52, Nodigi_51, Nova1_63, Nozo_58, Nucci_37, Numberten_60, Nyala_59, OSmaximus_62, Oats_38, Obutu_59, Olak_59, OldNelly_39, Oline_61, Olive_60, OliverWalter_59, Olivio_58, Olliecat_39, Omniscient_61, OneBrain_63, Oosterbaan_60, Opia_57, OrangeOswald_58, Orfeu_59, Orion_62, Orla_51, Orwigg_60, Oxtober96_39, PG1_61, PSirce_38, Pacifista_59, Pajaza_35, PallasAthena_62, Panchaali_90, Papafritta_38, Park1214_146, ParleG_39, PastaFagioli_43, Patbob_98, PauloDiaboli_117, Pecas_43, Peep_39, PenguinLover67_56, Penta_35, Peppino_38, Percival_49, Phaedrus_54, Phamished_62, Phanita_38, Phantasmagoria_57, Phareon_59, PhatCats2014_61, PhatLouie_62, Phayeta_60, Phelemich_56,

PhenghisKhan_61, Pherbot_37, Pherdinand_62, Pherferi_39, Phergie_62, Phiderman_39, PhigPhack_43, PhillyPhantom_38, Philly_57, Phipps_60, Phireproof_39, Phisb_43, Phleuron_61, Phlyer_58, Phrampa_92, PhrankReynolds_60, PhredFlintston_39, Phriends_39, PhrodoBaggins_61, Phroglets_31, Phunky_59, PigHeaded_40, Piglet_0060, Pikmin_35, Pine5_49, PinheadLarry_61, Pinkman_60, Pipefish_59, Pipsqueak_59, Placalicious_61, Plata_61, Plmatters_59, Pocket_38, Podrick_59, PondAmelia_53, Pons_46, Pops_60, Poster_52, PotPie_44, Potter_59, Prickles_62, PrinceCharming_57, PrincePhergus_37, Prince_53, ProfessorX_60, PsychoKiller_42, Puhltonio_60, Pumpernickel_113, Puppers_42, PuppyEggo_39, QMacho_45, QuadZero_37, Quantum_66, Quartz_38, Quasar_43, QueenBeane_60, QueenPie_51, Quesadilla_58, Quisquiliae_61, Quokka_43, Qyrzula_52, RADical_44, RSchmailzl_44, Raccoon_38, Racecar_100, RagingRooster_57, RainyPolka_49, RanchParmCat_48, Rapheph_39, Raptor_39, Rasputia_89, RawrgerThat_54, Reccee_58, RedBaron_47, RedMaple_62, RedRaider89_61, Redfield_38, ReginaGlobina_98, RenegadeRaider_39, Renkei_52, Renzie_39, Reprobate_57, Rhinoforte_57, Rich_58, Ricotta_60, Riggan_61, Rimu_60, Rings_55, Rinkes_56, Rita130_57, Rita1961_59, Riverton_60, Riyhil_39, Roberts_40, Robinson_39, Robyn_60, RockScotty_37, Rockabye_103, Rog141_38, Roliet_58, Rollins_40, RomaT_58, Rona_40, Roscoe_61, Rosebush_56, RosieMae_38, Roy17_59, RunningOnE_18, SDcharge11_60, SJReid_103, SJay_39, Sabella_56, Sabourin_38, Saguaro_58, Salete_48, SallyH_63, Salvus_45, Samaymay_60, SanaSana_45, SansAfet_43, Sansa_37, SarBear_42, Saratos_38, Sarkar_67, SassyCat97_59, Satis_67, Schadenfreude_60, Schimmels22_37, Schnapsidee_38, Schubert_36, Schueller_61, Scissor2024_37, Scoot17C_61, Scrick_61, Sedgewig_38, Selr12_61, Serendipitous_56, Serendipity_60, Serpentine_0060, ShadowBud_61, ShaiHulud_39, Shamu_38, Sharkboy_41, Shatter_51, SheckWes_48, Shee_39, Sheila_58, Shenandoah_57, Shenyu_58, ShiVal_58, Shocker_43, Shrew_79, Sigman_61, SilverBell_61, Simielle_60, Sinatra_37, SirBeanington_42, SirBeauregard_61, SirJeffery_57, SirVictor_37, Sisko_49, Sixama_172, SketchMex_43, Skippy_61, Skylord_40, Slatt_61, Slay_43, SlippinJimmy_60, Socotra_44, Softsoap_42, SoilGremlin_39, Soile_61, Solea_43, SolidSnake_40, Solosis_59, SonOfLevi_38, Sooty_38, Sopespian_41, Sophia_59, SorJuana_54, Soror1_38, Soto_59, Sour_53, Spartan300_60, SpecialK_38, Squid_60, Squiggle_61, Squircle_39, Stanktossa_39, Starburst_43, SteamedHams_43, Stewart25555_90, StingRay_38, Stinger_54, StinkyVeggy_58, StirfryIV_38, Stoor_43, Stormbreaker8_38, Strathdee_39, Stromboli_43, Struggle_61, Studio_42, Stuu_38, SuMoo_50, Suffolk_59, Suigeneris_59, SummitAcademy_44, SuperHands_47, Superfresh_39, Surely_60, Survivors_40, SweatNTears_44, Swervy_43, Swiphy_62, Swish_62, Symere_38, SynergyX_58, TA17A_58, TMaxx_42, TP1604_48, TPA2_63, Talia1610_99, TallGrassMM_60, Talos_142, Taraxa_63, Tarnish_45, TarsusIV_42, TatarkaPM_39, Teagan_39, TeddyBear_38, Telesworld_58, Tenda_38, Thompsone_39, Thonko_60, Thora_60, Thorongil_39, ThreeOh3D2_62, Thunderbird_60, Thunderclap_54, Timmi_59, TinSulphur_39, Tinciduntsolum_58, Tinyman4_37, Toaka_44, Tolls_44, TomBombadil_60, Tomlarah_61, Toni_60, TooFast2Furius_60, Tooj_59, TraderJ_54, Tres_57, Triad_62, Trine_42, TripleC_42, Triscuit_70, Troje_45, Trooper_45, True_59, Trypo_63, TukTuk_43, TwoBits_37, Tydolla_56, Typhonomachy_42, TyrionL_61, UAch1_60, UncleHowie_59, Upyo_46, Usavi_60, Vaishali24_59, Valjean_60, Vaticameos_57, Velene_39, Veritas_62, Vic9_00057, Vincenzo_56, Vine_47, VioletZ_55, Virapocalypse_61, Virgeve_60, Vispistious_39, Vista_60, Vitas_40, Vivaldi_62, Vortex_60, WaddleDee_86, Waleliano_53, WalkingDead_44, Wallaby_42, Wallhey_61, Wardwill_39, WaterT_64, Waterdiva_60, Weher20_60, West99_57, WestPM_35, Widow_43, WildNOut_39, WilliamStrong_38, Windsor_60,

Winzigespinne_38, Wolfwood_40, Wooper_54, Xavier_59, Xebius_38, Xincheng_54, Xkcd426_52, YDN12_50, Yago84_49, Yahalom_57, Yakult_46, Yappy_80, Yarn_40, Yeezus_55, Yeshua_54, Yoshand_62, YouGoGlencoco_61, Yucky_47, Yummy_45, YuuY_37, Zada_39, Zaider_61, Zareef_40, Zayuliv_37, Zelda_61, Zemanar_54, Zenitsu_38, Zenteno07_62, Zepp_38, Zeta1847_40, Zonia_62, Zooman_100, Zuko_78,

Summary by start number:

Start 11:
• Found in 3 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 3 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gustav_47 (CD), Mahdia_44 (CD), Morrissey_47 (CD),

Start 13:
• Found in 1 of 2137 (0.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Applejacks_45 (CD),

Start 15:
• Found in 2 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 2 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Puppers_42 (CD), Widow_43 (CD),

Start 16:
• Found in 1 of 2137 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Upyo_46 (CD),

Start 27:
• Found in 2 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Zuko_78 (BR),

Start 36:
• Found in 2 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 2 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Huwbert_71 (GG), Triscuit_70 (GG),

Start 37:
• Found in 1 of 2137 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shrew_79 (singleton),

Start 45:

• Found in 34 of 2137 (1.6%) of genes in pham
• Manual Annotations of this start: 21 of 1873
• Called 91.2% of time when present
• Phage (with cluster) where this start called: Agatha_43 (CT), Axym_42 (CT), BillDoor_43 (CT), Biskit_45 (CT), Blondies_46 (CT), Bubble_41 (CT), Burnsey_43 (CT), Buttrmlkdreams_45 (CT), Carsonalex_46 (CT), ChickenTender_45 (CT), Cozz_41 (CT), Eliott_43 (CT), GTE2_35 (CT), GoldHunter_44 (CT), Horseradish_45 (CT), MScarn_47 (CT), MunkgeeRoachy_41 (CT), Nina_42 (CT), PsychoKiller_42 (CT), Quasar_43 (CT), RADical_44 (CT), RSchmailzl_44 (CT), RedBaron_47 (CT), SketchMex_43 (CT), Socotra_44 (CT), Sopespian_41 (CT), Starburst_43 (CT), SweatNTears_44 (CT), Troje_45 (CT), Typhonomachy_42 (CT), Yummy_45 (CT),

Start 48:
• Found in 2 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 50.0% of time when present
• Phage (with cluster) where this start called: KimJongPhill_80 (BR),

Start 56:
• Found in 9 of 2137 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 44.4% of time when present
• Phage (with cluster) where this start called: FF47_43 (AB), HippoPololi_40 (CT), LongHai_45 (AB), Salvus_45 (AB),

Start 57:
• Found in 32 of 2137 (1.5%) of genes in pham
• Manual Annotations of this start: 26 of 1873
• Called 93.8% of time when present
• Phage (with cluster) where this start called: AikoCarson_44 (CT), Amok_44 (CT), AndPeggy_40 (CT), Azira_40 (CT), Button_46 (CT), CanesSauce_42 (CT), CaramelLatte_42 (CT), ChocoMunchkin_42 (CT), Cleo_38 (CT), Dre3_38 (CT), Emalyn_42 (CT), Fribs8_39 (CT), GiKK_48 (CT), Gibbous_38 (CT), Hexbug_51 (CT), Jamzy_48 (CT), MaVan_40 (CT), Margaret_49 (CT), Nibbles_39 (CT), Nodigi_51 (CT), Orla_51 (CT), RanchParmCat_48 (CT), SteamedHams_43 (CT), Survivors_40 (CT), Tolls_44 (CT), Wallaby_42 (CT), Wolfwood_40 (CT), Yakult_46 (CT), Yarn_40 (CT), Zareef_40 (CT),

Start 58:
• Found in 20 of 2137 (0.9%) of genes in pham
• Manual Annotations of this start: 15 of 1873
• Called 95.0% of time when present
• Phage (with cluster) where this start called: Balloona_44 (CT), Bavilard_44 (CT), BigChungus_44 (CT), CherryonLim_46 (CT), CocoaPuff_45 (CT), Elinal_48 (CT), Feastonyeet_44 (CT), KayGee_46 (CT), Lauer_41 (CT), MAnor_46 (CT), Mayweather_49 (CT), McDazzle_47 (CT), Pons_46 (CT), PotPie_44 (CT), SheckWes_48 (CT), SummitAcademy_44 (CT), Tarnish_45 (CT), Vine_47 (CT), Yucky_47 (CT),

Start 63:
• Found in 25 of 2137 (1.2%) of genes in pham
• No Manual Annotations of this start.
• Called 4.0% of time when present

• Phage (with cluster) where this start called: Malvina_41 (CT),

Start 67:
• Found in 3 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 33.3% of time when present
• Phage (with cluster) where this start called: NoShow_52 (AB),

Start 75:
• Found in 28 of 2137 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 3.6% of time when present
• Phage (with cluster) where this start called: JacoRen57_40 (AB),

Start 80:
• Found in 30 of 2137 (1.4%) of genes in pham
• No Manual Annotations of this start.
• Called 3.3% of time when present
• Phage (with cluster) where this start called: ElJefes_46 (CT),

Start 82:
• Found in 8 of 2137 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 25.0% of time when present
• Phage (with cluster) where this start called: 8UZL_44 (AB), Muddy_44 (AB),

Start 96:
• Found in 10 of 2137 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Maco6_42 (AB),

Start 102:
• Found in 1 of 2137 (0.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 40AC_46 (A17),

Start 149:
• Found in 12 of 2137 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 8.3% of time when present
• Phage (with cluster) where this start called: JuneStar_42 (AZ1),

Start 161:
• Found in 5 of 2137 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Liebe_42 (AZ2),

Start 178:
• Found in 11 of 2137 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 1873

• Called 9.1% of time when present
• Phage (with cluster) where this start called: Trine_42 (CD),

Start 185:
• Found in 2 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 2 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JAMaL_53 (B4), Nigel_54 (B4),

Start 188:
• Found in 6 of 2137 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Yang_41 (AZ1),

Start 190:
• Found in 35 of 2137 (1.6%) of genes in pham
• Manual Annotations of this start: 4 of 1873
• Called 11.4% of time when present
• Phage (with cluster) where this start called: BrownCNA_55 (B4), ChrisnMich_53 (B4), Fortunato_54 (B4), Frederick_54 (B4),

Start 198:
• Found in 316 of 2137 (14.8%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 0.3% of time when present
• Phage (with cluster) where this start called: Piglet_0060 (B1),

Start 199:
• Found in 6 of 2137 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 83.3% of time when present
• Phage (with cluster) where this start called: DigitDog_58 (B5), KarasumaRum_58 (B5), Nangang_58 (B5), Shenyu_58 (B5), StinkyVeggy_58 (B5),

Start 203:
• Found in 1 of 2137 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Imvubu_52 (B10),

Start 204:
• Found in 1 of 2137 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stinger_54 (B4),

Start 206:
• Found in 1 of 2137 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EmiRose_34 (singleton),

Start 208:
• Found in 54 of 2137 (2.5%) of genes in pham
• Manual Annotations of this start: 32 of 1873
• Called 85.2% of time when present
• Phage (with cluster) where this start called: Acadian_58 (B5), Ahwei_52 (B4), AlanGrant_57 (B4), Antihero_52 (B4), Apex_54 (B4), Austelle_54 (B4), Baee_59 (B5), BobbyK_54 (B4), Cooper_54 (B4), Donny_59 (B5), EastView9101_57 (B5), Epah_52 (B4), Fanaw_52 (B4), GinPorsche_53 (B4), Hally898_52 (B4), Hangman_53 (B4), Heath_52 (B4), Hydro_53 (B4), JaguarMi_55 (B4), JoyceMaria_53 (B4), Lambano_52 (B4), LilMcDreamy_55 (B12), LittleDigger_52 (B4), Lolalove_54 (B4), Magpie_52 (B4), Mithril_53 (B4), Mudslide_53 (B4), Mysterious_56 (B5), Nanao_52 (B4), Nehemiah_57 (B5), Phelemich_56 (B5), Poster_52 (B4), Prince_53 (B4), QueenPie_51 (B4), RawrgerThat_54 (B4), Reccee_58 (B5), Renkei_52 (B4), Reprobate_57 (B5), Rich_58 (B5), Rita130_57 (B5), Serendipitous_56 (B5), Suigeneris_59 (B5), Vincenzo_56 (B4), VioletZ_55 (B4), Waleliano_53 (B4), Xincheng_54 (B4),

Start 210:
• Found in 15 of 2137 (0.7%) of genes in pham
• Manual Annotations of this start: 3 of 1873
• Called 46.7% of time when present
• Phage (with cluster) where this start called: 39HC_051 (B6), 40BC_051 (B6), ForDig_52 (B6), Hosp_050 (B6), Indlovu_55 (B11), Jolie1_052 (B6), KayaCho_51 (B6),

Start 212:
• Found in 2 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BFK20_ORF44 (singleton), Zemanar_54 (B4),

Start 215:
• Found in 378 of 2137 (17.7%) of genes in pham
• Manual Annotations of this start: 328 of 1873
• Called 94.4% of time when present
• Phage (with cluster) where this start called: ABU_61 (B1), AbsoluteMadLad_61 (B1), Adriana_62 (B1), Aelin_60 (B1), Aleia_63 (B1), Allegro_57 (B2), AltPhacts_60 (B1), Altwerkus_58 (B1), Anderson_61 (B1), Andre_62 (B1), AngelCake_61 (B1), Antonia_60 (B1), Aonishiki_61 (B1), Apizium_60 (B1), Arbiter_56 (B2), Ares_57 (B2), Ashraf_62 (B1), Badfish_61 (B1), Bananafish_57 (B2), Banjo_59 (B1), Basato_61 (B1), BatteryCK_61 (B1), Beaglebox_60 (B1), Bishoperium_60 (B1), BlackStallion_62 (B1), BlacksBerry_61 (B1), Blocker23_57 (B2), BlueHusk_62 (B1), Bluephacebaby_60 (B1), Boehler_60 (B1), BoogieWoogie_61 (B1), Boyle_57 (B2), Brilliant_63 (B1), Brownie5_57 (B2), Buckeye_61 (B1), Burr_60 (B1), CRB2_57 (B9), Calamitous_57 (B2), CamL_60 (B1), CampRoach_62 (B1), Cannibal_60 (B1), Carthage_59 (B1), Caspiboi_61 (B1), Chaelin_61 (B1), Chah_62 (B1), Charles1_61 (B1), CharlieGBrown_61 (B1), CheetO_60 (B1), Cher_60 (B1), Childish_60 (B1), Chipette_61 (B1), Chorkpop_60 (B1), Chuni_63 (B1), Chunky_59 (B1), Chute_62 (B1), Cobra_62 (B1), Coffee_57 (B2), Colbert_59 (B1), Coletti_63 (B1), Cornbread_60 (B1), Cornobble_60 (B1), Cosmolli16_61 (B1), Craff_63 (B1), Crownjwl_60 (B1), DaddyDaniels_62 (B1), Daffy_60 (B1), Daka_63 (B1), Dati_60 (B1), DelRivs_59 (B1), Derpp_60 (B1), Dice_59 (B1), Dingo_59 (B1), Dione_58 (B1),

DirtJuice_61 (B1), Doddsville_61 (B1), DoesntMatter_58 (B1), DolOn_66 (B1), DonSanchon_58 (B1), DuchessDung_62 (B1), Duggie_61 (B1), Durga_63 (B1), Eaglehorse_57 (B2), ElvisPhasley_62 (B1), EmGer13_62 (B1), Emiris_63 (B1), EmpTee_60 (B1), Eremos_60 (B1), Etaye_62 (B1), Eugenia_60 (B1), Fang_62 (B1), Faze9_56 (B2), Flake_61 (B1), FleetyMac_63 (B1), FluffyNinja_62 (B1), Fozzie_61 (B1), Frankicide_59 (B1), FremontTroll_61 (B1), FrenchFry_57 (B2), Freya_58 (B1), FriarPreacher_60 (B1), Fringe_64 (B1), FugateOSU_61 (B1), Funsized_59 (B9), Gareth_60 (B1), GeneCoco_61 (B1), Giraffe_61 (B1), Glass_57 (B2), Godines_58 (B2), Gophee_62 (B1), Grand2040_60 (B1), GreenChile_62 (B1), Gwennie1_60 (B1), Gwilliam_61 (B1), Gyarad_0059 (B1), HSavage_59 (B1), Haimas_59 (B1), Haleema_59 (B1), Hamish_59 (B1), Happabalu_61 (B1), Hartsy_61 (B1), Harvey_59 (B1), Hedgerow_57 (B2), Hekos_59 (B1), Held_60 (B1), HenryJackson_60 (B1), Hertubise_60 (B1), Hetaeria_60 (B1), HighStump_62 (B1), Hocus_60 (B1), HogWash_62 (B1), Holeinone_57 (B2), Horchata_59 (B1), ImtiyazSitla_62 (B1), Inchworm_62 (B1), Inverness_59 (B1), Iridessa_61 (B1), Iridoclysis_61 (B1), IsaacEli_62 (B1), ItsyBitsy1_57 (B2), JDog_59 (B1), JacAttac_62 (B1), JakeO_61 (B1), JangoPhett_60 (B1), Jesabah_62 (B1), Jillium_60 (B1), Jiminy_61 (B1), Jiraiya_61 (B1), KLucky39_59 (B1), Kahve_60 (B1), Kailash_61 (B1), Kaleb_57 (B2), Karn_61 (B1), Katniss_61 (B1), Keitherie_62 (B1), Khan1_61 (B1), Kheth_57 (B2), Kikipoo_62 (B1), Kimbrough_61 (B1), KingTut_53 (B1), KingVeVeVe_59 (B1), KlimbOn_60 (B1), Kloppinator_61 (B1), Knocker_59 (B9), Kolhan_57 (B2), Kwadwo_59 (B1), Kwksand96_61 (B1), Labeouficaum_61 (B1), Lars_57 (B2), Larson_64 (B1), LasagnaCat_62 (B1), Lasso_61 (B1), Laurie_57 (B2), LeeLot_61 (B1), Lego3393_59 (B1), Legolas_62 (B1), Lehmann_62 (B1), LeiMonet_63 (B1), LemonSlice_61 (B1), Lephleur_57 (B2), LilSmirk_57 (B2), LizLemon_57 (B2), Longacauda_61 (B1), Lopsy_59 (B1), LostAndPhound_61 (B1), LuckyMarjie_58 (B1), Lulumae_58 (B1), Lulwa_58 (B1), Lumine_61 (B1), MRabcd_60 (B1), Mag7_61 (B1), Magic8_61 (B1), Mana_59 (B1), Manad_60 (B1), Maru_60 (B1), Maskar_62 (B1), MasterPo_57 (B2), Matalotodo_60 (B1), Mcshane_59 (B1), Mecca_60 (B1), Megamind20_61 (B1), Megatron_61 (B1), Melc17_60 (B1), MelsMeow_61 (B1), Mesh1_62 (B1), Mesmerelda_60 (B1), MichaelPhcott_61 (B1), Mikota_59 (B1), MiniBoss_58 (B1), MitKao_60 (B1), Morgushi_60 (B1), Morty_61 (B1), Mosaic_59 (B1), MrPhizzler_63 (B1), Mulan_60 (B1), Murdoc_59 (B1), Mutante_60 (B1), Nacho_0062 (B1), Nathan_61 (B1), Newman_59 (B1), NiaNia_63 (B1), Nicole21_61 (B1), Nova1_63 (B1), Numberten_60 (B1), Nyala_59 (B1), OSmaximus_62 (B1), Olak_59 (B1), Oline_61 (B1), Olive_60 (B1), OliverWalter_59 (B1), Omniscient_61 (B1), OneBrain_63 (B1), Oosterbaan_60 (B1), Opia_57 (B2), Orfeu_59 (B1), Orion_62 (B1), Orwigg_60 (B1), PG1_61 (B1), Pacifista_59 (B1), PallasAthena_62 (B1), Phamished_62 (B1), Phantasmagoria_57 (B2), Phareon_59 (B1), PhatCats2014_61 (B1), PhatLouie_62 (B1), PhenghisKhan_61 (B1), Pherdinand_62 (B1), Phergie_62 (B1), Phipps_60 (B1), Phleuron_61 (B1), PhrankReynolds_60 (B1), PhrodoBaggins_61 (B1), Phunky_59 (B1), PinheadLarry_61 (B1), Pinkman_60 (B1), Pipsqueak_59 (B1), Placalicious_61 (B1), Plata_61 (B1), Plmatters_59 (B1), Podrick_59 (B1), Pops_60 (B1), Potter_59 (B1), Prickles_62 (B1), PrinceCharming_57 (B2), ProfessorX_60 (B1), Puhltonio_60 (B1), QueenBeane_60 (B1), Quesadilla_58 (B9), Quisquiliae_61 (B1), RedMaple_62 (B1), RedRaider89_61 (B1), Rhinoforte_57 (B2), Ricotta_60 (B1), Riggan_61 (B1), Rimu_60 (B1), Rinkes_56 (B9), Riverton_60 (B1), Robyn_60 (B1), Roliet_58 (B1), Roscoe_61 (B1), Rosebush_56 (B2), Roy17_59 (B1), SDcharge11_60 (B1), Sabella_56 (B2), SallyH_63 (B1), Samaymay_60 (B1), SassyCat97_59 (B1), Schadenfreude_60 (B1), Schueller_61 (B1), Scoot17C_61 (B1), Scrick_61 (B1), Selr12_61 (B1), Serendipity_60 (B1), Serpentine_0060 (B1), ShadowBud_61 (B1), Sheila_58 (B1), ShiVal_58 (B1), Sigman_61 (B1), SilverBell_61 (B1), Simielle_60 (B1),

SirBeauregard_61 (B1), Skippy_61 (B1), Slatt_61 (B1), Soile_61 (B1), Solosis_59 (B1), Sophia_59 (B1), Soto_59 (B1), Spartan300_60 (B1), Squid_60 (B1), Squiggle_61 (B1), Struggle_61 (B1), Suffolk_59 (B1), Surely_60 (B1), Swiphy_62 (B1), Swish_62 (B1), TA17A_58 (B2), TallGrassMM_60 (B1), Taraxa_63 (B1), Telesworld_58 (B1), Thora_60 (B1), ThreeOh3D2_62 (B1), Thunderbird_60 (B1), Timmi_59 (B1), Tinciduntsolum_58 (B2), TomBombadil_60 (B1), Tomlarah_61 (B1), Toni_60 (B1), TooFast2Furius_60 (B1), Tooj_59 (B1), Tres_57 (B2), Triad_62 (B1), True_59 (B1), Trypo_63 (B1), TyrionL_61 (B1), UAch1_60 (B1), UncleHowie_59 (B1), Usavi_60 (B1), Vaishali24_59 (B1), Valjean_60 (B1), Vaticameos_57 (B1), Veritas_62 (B1), Vic9_00057 (B2), Virapocalypse_61 (B1), Virgeve_60 (B1), Vista_60 (B1), Vivaldi_62 (B1), Vortex_60 (B1), Wallhey_61 (B1), Waterdiva_60 (B1), Weher20_60 (B1), West99_57 (B2), Windsor_60 (B1), Xavier_59 (B1), Yoshand_62 (B1), YouGoGlencoco_61 (B1), Zaider_61 (B1), Zelda_61 (B1), Zonia_62 (B1),

Start 218:
• Found in 16 of 2137 (0.7%) of genes in pham
• Manual Annotations of this start: 14 of 1873
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Amavida_56 (AQ), Amigo_55 (AQ), Anansi_54 (AQ), Boersma_57 (AQ), Gorgeous_54 (AQ), Heylee_57 (AQ), Ichor_55 (AQ), Jaek_55 (AQ), Molivia_56 (AQ), Rings_55 (AQ), Saguaro_58 (B7), SorJuana_54 (AQ), Thunderclap_54 (AQ), Yeezus_55 (AQ),

Start 219:
• Found in 14 of 2137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Yappy_80 (singleton),

Start 221:
• Found in 1 of 2137 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PenguinLover67_56 (B9),

Start 224:
• Found in 8 of 2137 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 1873
• Called 25.0% of time when present
• Phage (with cluster) where this start called: ElTiger69_39 (A5), Naca_39 (A5),

Start 229:
• Found in 24 of 2137 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 4.2% of time when present
• Phage (with cluster) where this start called: Jeffabunny_45 (A6),

Start 236:
• Found in 13 of 2137 (0.6%) of genes in pham
• Manual Annotations of this start: 5 of 1873
• Called 84.6% of time when present
• Phage (with cluster) where this start called: BirdsNest_61 (B13), CardboardBox_41 (FR), ChamoyPickle_42 (FR), Ezurina_39 (FR), Gerri43_40 (FR), Hashim76_61

(B13), LittleMinkey_63 (B13), Neuvillette_40 (FR), Roberts_40 (FR), Studio_42 (FR), Zenteno07_62 (B13),

Start 238:
• Found in 41 of 2137 (1.9%) of genes in pham
• Manual Annotations of this start: 7 of 1873
• Called 17.1% of time when present
• Phage (with cluster) where this start called: Armstrong_40 (EB), Bernstein_40 (EB), Brahms_40 (EB), Coltrane_40 (EB), Rollins_40 (EB), Skylord_40 (EB), Vitas_40 (EB),

Start 239:
• Found in 11 of 2137 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Thonko_60 (B8),

Start 241:
• Found in 81 of 2137 (3.8%) of genes in pham
• Manual Annotations of this start: 65 of 1873
• Called 90.1% of time when present
• Phage (with cluster) where this start called: Abigail_42 (EB), Akino08_43 (EB), Albedo_43 (EB), Albright_40 (EB), AnnaLie_43 (EB), Arroyo_43 (EB), AvGardian_44 (EB), Avocadoman_41 (EB), AylexOG_44 (EB), BAjuniper_43 (EB), BabyDaisy_42 (EB), BabyYoda_43 (EB), Bachaco_40 (EB), BelmontSKP_43 (EB), Bengal_43 (EB), BubbaBear_41 (EB), Burritobowl_42 (EB), CanFranMach_44 (EB), Cashington_40 (EB), Celaena_40 (EB), ChiliPepper_40 (EB), Clayda5_41 (EB), CroZenni_42 (EB), CupcakePrincess_43 (EB), DickRichards_41 (EB), Didgeridoo_45 (EB), DirtyBubble_42 (EB), Dismas_40 (EB), Doobus_41 (EB), Eden_40 (EB), Elva_44 (EB), Eula_43 (EB), Finalfrontier_43 (EB), FlameThrower_40 (EB), Franklin22_41 (EB), Gack_40 (EB), Icarian_45 (EB), IndyLu_42 (EB), Jabb_43 (EB), Johnathan_41 (EB), Jovita_43 (EB), Kamdara_40 (EB), Kate33_43 (EB), Katzastrophic_41 (EB), Kenzers_43 (EB), Kieran_40 (EB), Lahqtemish_42 (EB), Lilo27_43 (EB), LimaBean_42 (EB), Loviatar_43 (EB), Lynlen_43 (EB), Milomuff_42 (EB), MsUbiquitous_43 (EB), Nicky22_43 (EB), Pecas_43 (EB), PhigPhack_43 (EB), Phisb_43 (EB), PondAmelia_53 (EB), QMacho_45 (EB), Rona_40 (EB), SanaSana_45 (EB), SansAfet_43 (EB), SarBear_42 (EB), Sharkboy_41 (EB), SirBeanington_42 (EB), Slay_43 (EB), Softsoap_42 (EB), Solea_43 (EB), Stoor_43 (EB), Stromboli_43 (EB), Swervy_43 (EB), TukTuk_43 (EB), WalkingDead_44 (EB),

Start 242:
• Found in 2 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 50.0% of time when present
• Phage (with cluster) where this start called: TatarkaPM_39 (EA1),

Start 243:
• Found in 3 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 3 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Buldak_39 (EB), Olliecat_39 (EB), Squircle_39 (EB),

Start 244:

• Found in 9 of 2137 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Pine5_49 (singleton),

Start 245:
• Found in 339 of 2137 (15.9%) of genes in pham
• Manual Annotations of this start: 14 of 1873
• Called 4.1% of time when present
• Phage (with cluster) where this start called: Agamotto_41 (FR), AnClar_50 (DR), AnnabelLee_40 (FR), Audell_40 (FR), BiggityBass_49 (DR), ChipsNGuac_40 (FR), LastNadiia_43 (FR), LittleMunchkin_52 (DR), Makima_41 (FR), Mireles_44 (FR), Sisko_49 (DR), TMaxx_42 (FR), TripleC_42 (FR), Yago84_49 (DR),

Start 246:
• Found in 9 of 2137 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 1873
• Called 33.3% of time when present
• Phage (with cluster) where this start called: A3Wally_117 (GD1), Cece_99 (GD3), Dodo_119 (GD1),

Start 248:
• Found in 1 of 2137 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phroglets_31 (AV),

Start 249:
• Found in 4 of 2137 (0.2%) of genes in pham
• Manual Annotations of this start: 3 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Big4_105 (GD2), Erasmago_107 (GD2), Pumpernickel_113 (GD4), Zooman_100 (GD2),

Start 250:
• Found in 6 of 2137 (0.3%) of genes in pham
• Manual Annotations of this start: 5 of 1873
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Coldpizza_51 (DR), Dewdrop_95 (GC), Hendrix_88 (GC), Leaf_95 (GC), Rasputia_89 (GC),

Start 251:
• Found in 22 of 2137 (1.0%) of genes in pham
• Manual Annotations of this start: 15 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AksarBAT_53 (DR), AnarQue_54 (DR), Axumite_51 (DR), Blackpen_53 (DR), BobRoss2024_51 (DR), CaiB_54 (DR), CharlottesWeb_50 (DR), CloverMinnie_53 (DR), Evaa_50 (DR), FelixTres_53 (DR), Fresco_51 (DR), JellyBelly_49 (DR), Ligma_51 (DR), MakoManhole_51 (DR), Mariokart_50 (DR), MossRose_53 (DR), NHagos_52 (DR), Shatter_51 (DR), TPA2_63 (singleton), TraderJ_54 (DR), Wooper_54 (DR), Yeshua_54 (DR),

Start 253:

• Found in 40 of 2137 (1.9%) of genes in pham
• Manual Annotations of this start: 33 of 1873
• Called 92.5% of time when present
• Phage (with cluster) where this start called: Ashes_38 (AZ5), Beaupre_37 (AZ5), Bradman_44 (A2), Cappuccino_38 (AZ5), Donkey_38 (AZ5), EZMoney23_43 (A2), Floof_49 (EH), Forester_47 (EH), Gambol_39 (AZ5), GardenState_48 (EH), Giorgio_37 (AZ5), Gretchen_48 (EH), Gumpizza_37 (AZ5), Halsey_38 (AZ5), Honk_44 (EH), IAmGroot_48 (EH), Jsquared_43 (A2), Kalimba_38 (AZ5), Keziacharles14_44 (A9), Koduck_45 (A2), L5_44 (A2), MajorMajor_44 (A2), Moss_38 (AZ5), Mysterium_37 (AZ5), Percival_49 (EH), Quokka_43 (A2), RockScotty_37 (AZ5), Sabourin_38 (AZ5), Sooty_38 (AZ5), SpecialK_38 (AZ5), Stuu_38 (AZ5), SuMoo_50 (EH), SuperHands_47 (EH), TarsusIV_42 (A2), Toaka_44 (A9), Trooper_45 (A2), Zeta1847_40 (EH),

Start 254:
• Found in 1063 of 2137 (49.7%) of genes in pham
• Manual Annotations of this start: 935 of 1873
• Called 99.2% of time when present
• Phage (with cluster) where this start called: 20ES_45 (A2), A6_41 (A1), ACFishhook_47 (A3), AEgle_37 (AZ1), AFIS_43 (A1), AGrandiflora_42 (AZ1), AN3_45 (A2), AN9_48 (A2), ANI8_48 (A2), AbbeyMikolon_44 (BL), AbbyPaige_46 (A2), AbbysRanger_44 (A4), Abbyshoes_47 (A1), Abdiel_45 (A4), Abrogate_440 (A1), AceofSpades_46 (AZ4), Achebe_43 (A4), Acme_47 (A1), Acolyte_41 (A2), Adahisdi_44 (A1), Adolin_40 (AZ1), Adumb2043_38 (AZ1), Adzzy_46 (A2), Aeneas_47 (A1), Agaliana_41 (A1), Agape74_46 (A2), AgentM_37 (A5), Aglet_49 (A3), AgronaGT15_47 (A3), AinMach_42 (AZ7), Airmid_39 (A5), Ajay_45 (A1), Alatin_36 (CA), Albee_45 (A4), Alberto7_46 (A4), Aldrich_45 (A1), Aliter_45 (A9), Alma_45 (A9), Alpacados_35 (CA), Alsfro_48 (A1), Altman_46 (A1), Alvin_44 (A1), Amploria_39 (AZ1), Amyev_40 (AZ1), Anaysia_47 (A15), Aneem_45 (A11), Anglerfish_45 (A1), AngryOrchard_34 (CA), AnnaL29_46 (A2), Annyong_45 (A4), Anon_42 (A15), Anselm_45 (A2), Anthony_39 (A20), Anubis_51 (A3), AppleCloud_34 (CA), Applejack_40 (A1), Aragog_37 (A5), Arcanine_46 (A1), ArcherNM_42 (A2), Archetta_38 (A5), Arissanae_44 (A9), Arlo_42 (A1), Artemis2UCLA_45 (A6), Arturo_44 (A4), Asa16_39 (AZ1), Ascela_41 (AZ1), Ashballer_46 (A1), Astro_42 (A8), Atkinbua_46 (A1), Attoomi_34 (singleton), AugsMagnumOpus_51 (A3), AvatarAhPeg_44 (A4), Avle17_45 (A4), Ayanochan_46 (A9), B1_42 (A3), BABullseye_43 (A6), BK1_41 (A1), BPBiebs31_45 (A1), Baby16_45 (A4), BabyBack_43 (A2), BabyJohn_43 (A3), BabyRay_45 (A3), Bachome_46 (A11), Backyardigan_43 (A4), BaconJack_48 (A1), Bactobuster_43 (A2), Badger_43 (A4), Baehexic_43 (A2), BaileyBlu_41 (FP), BangNhom_46 (A4), Barnstormer_47 (EH), Barriga_45 (A1), BarrowTuph_45 (A1), Bartimeaus_45 (A4), Battleship_48 (A15), Beatrix_44 (A1), Beauxregard13_48 (A3), Beemo_45 (A9), BeesKnees_45 (A1), Belenaria_36 (CA), Bellris_43 (A9), BellusTerra_46 (A4), Benedict_39 (A5), BengiVuitton_44 (A2), BennyP_46 (A6), Benvolio_41 (A2), Berrie_42 (AZ1), Bethlehem_44 (A1), Bexan_43 (A1), BiancaTri92_44 (A2), Big3_43 (A1), BigMau_45 (A1), BigPaolini_45 (A1), Bigchungi_43 (A1), Bigflo_48 (A3), Bigfoot_41 (A1), BillKnuckles_45 (A1), Bimmel_18 (BT), Bircsak_44 (A1), Blackflame_44 (A1), Blackmoor_45 (A4), BlessJoy_46 (A6), Blesser_43 (A1), Blinn1_48 (A6), BluSpix_42 (A1), Blue7_48 (A6), BlueBird_47 (A3), Blue_44 (A1), Bluefalcon_37 (A5), Bob3_42 (A1), BobSwaget_44 (A2), BobbyDazzler_36 (CA), BogosyJay_44 (A9), Bombshell_45 (A4), Bonamassa_39 (A5), Bonanza_36 (CA), Bones_45 (A1), Boohoo_47 (A15), Bowtie_45 (A11), Bradshaw_36 (CA), BreSam8_48 (A3), Briton15_46 (A1), Broseidon_45 (A4), Bruiser_44 (A4), Bruns_43 (A1), Bryce_36

(CA), BubbleTrouble_44 (A4), Bud_44 (A11), Bugatti_46 (A3), Bugsy_46 (A2), Bumblebee11_43 (A4), Burger_43 (A4), Burton_44 (A1), Buttons_43 (A1), BuzzBuzz_46 (A3), Bxb1_41 (A1), Bxz2_44 (A3), C3_43 (A2), CRB1_46 (A2), CactusRose_42 (A1), Caelakin_45 (A4), Caitlin_42 (A8), CallinAllBarbz_41 (FP), Calvinny_48 (A3), Camperdownii_43 (A4), Candra_45 (A6), Caraxes_45 (A2), Carlyle_44 (A1), Caron_50 (EH), CartmannCramer_44 (A1), Cassia_40 (AZ1), CatBus_45 (A1), Catalina_46 (A9), Causa_86 (AI), Caviar_44 (A3), Celestialunch_43 (A9), Cen1621_44 (EH), Centaur_45 (A2), CentreCat_45 (A4), Cerulean_46 (A4), Chadwick_40 (A5), ChampagnePapi_47 (A4), Chanagan_42 (A1), Changeling_45 (A2), Chaph_45 (A4), Chargerpower_44 (A22), Charm_42 (A9), Chartreuse_45 (A6), Che12_47 (A2), ChipMunk_47 (A2), Chiqui_43 (A3), ChristmasHams_41 (A1), Chupacabra_43 (A10), Ciao_45 (A1), Cici_44 (A4), Cindaradix_42 (A4), Cintron_44 (A4), Citius_45 (A4), Clammy_46 (A3), Clarenza_44 (A4), CliffHanger_44 (EB), CloudWang3_45 (A6), ClownCar_48 (A3), Cocoaberry_45 (A4), CogOmlette_43 (A9), Colbster_48 (A3), Colin_46 (A2), Commander_45 (A4), Community_43 (AZ1), ConceptII_46 (A1), Connomayer_45 (A4), Conquerage_45 (A9), Conspiracy_38 (A5), Coog_38 (A5), Cookiedough_45 (A6), Corvo_45 (A1), CosmicSans_36 (CA), Crewmate_46 (AZ1), Crispicous1_43 (A1), Croquant_49 (A3), Crucio_44 (A2), Cuco_38 (A5), Cueylyss_46 (A1), Cullens_48 (A3), Cyan_41 (AZ1), D29_44 (A2), D32_47 (A2), DBQu4n_47 (A2), DD5_44 (A1), DaHudson_48 (A3), DaVinci_45 (A6), Daishi_47 (A3), Dalmatian_45 (A2), Danforth_42 (A8), Darrell_46 (A9), DarthPhader_42 (A12), Datway_44 (A4), Deano_44 (A4), DeerParkTS_42 (A2), DekHockey33_47 (A15), Deloris_43 (A2), DelvinSonDorr_44 (A6), Dexes_45 (A1), Dhanush_45 (A4), Dieselweasel_49 (A3), Dignity_46 (A2), Dinger_36 (CA), DirtDevil_46 (A1), DirtyDunning_44 (A4), Discoknowium_37 (A5), Dixon_43 (A8), DontArgue_43 (A10), Doom_45 (A1), Dorothea_45 (A6), DrFeelGood_43 (A1), DrManhattan_40 (AZ1), DrSierra_39 (AZ1), Drake55_46 (A2), Drake94_42 (A10), DreamCatcher_47 (A1), DreamTeam1_42 (A9), Dreamboat_46 (A1), DroogsArmy_41 (A7), DropBear_45 (A3), Druantia_45 (A4), Dublin_37 (A5), Dubu_35 (BJ), DudeLittle_43 (A2), Dulcie_45 (A1), Duplo_47 (A2), Dussy_46 (A1), DustyMartin_48 (A10), Dynamix_45 (A1), EagleEye_46 (A16), Eagle_45 (A4), Eaglepride_45 (A10), Eapen_45 (A4), Ebony_45 (A11), Echild_44 (A2), Edison31_43 (A10), EdogawaKiddo_43 (A9), Edtherson_45 (A1), Eidsmoe_45 (A9), Elephantoon_44 (A9), Elezi_39 (AZ1), Elfy_41 (FP), Elle_43 (A15), Emotion_46 (AZ4), EmyBug_44 (A9), EnzoK_43 (A1), EpicPhail_49 (A3), Epsocamisio_46 (A15), Equemioh13_45 (A2), Eraser_39 (AZ1), EricB_45 (A6), Erik_36 (CA), Eris_44 (A4), Eros_45 (A4), Espica_36 (CA), Espresso_44 (A1), Et2Brutus_44 (A11), EtoileNova_45 (A3), Euphoria_43 (A1), Euratis_35 (BB1), Eurydice_46 (A4), EvilGenius_47 (A2), Exile_36 (AZ6), Expelliarmus_42 (A8), ExplosioNervosa_45 (A9), Eyeball_46 (A1), Fajezeel_47 (A1), Fameo_44 (A2), Farber_48 (A3), Fascinus_41 (A1), FatCactus_36 (A20), Fayely_45 (A9), Fenn_46 (A1), Fernando_48 (A3), Fibonacci_44 (A11), FiringLine_44 (A2), First_0044 (A2), FiveHead_49 (AZ4), Flare16_44 (A2), Flaverint_45 (A11), Florean_45 (A4), Florence1_37 (A5), Florence4_38 (A5), Flutur_40 (AZ), Flux_45 (A4), FlyCatcher_47 (A7), ForGetIt_38 (A5), ForesterFrank_44 (A2), Forsytheast_44 (A1), Francis47_44 (A1), Fred313_45 (A3), Froghopper_43 (A1), Funston_44 (A4), Fushigi_43 (A1), GMA2_66 (DS), GMonster_42 (A1), Gachnar_45 (A1), Gadost_45 (A4), GageAP_45 (A1), Gail_49 (A14), Gandalf20_46 (A1), Garak_47 (A6), GaugeLDP_43 (A2), Gemma_47 (A3), George_38 (A5), Georgie2_45 (A2), Ghoulboy_40 (A5), Gilberta_45 (A11), GingkoMaracino_48 (A3), Giroux_47 (A3), Gladiator_45 (A6), Glubnar_59 (B3), GodonK_188 (DK), Gollum_36 (CA), Gompeii16_44 (A1), Goose_44 (A10), Graduation_48 (A1), Gratitude_44 (A2), GrecoEtereo_45 (A1), GreedyLawyer_45 (A6), Greg_47 (A1), Grif_48 (A3), GrimEater_37 (FP), GroundGoblin_45 (A1),

Groundhog_41 (A8), Groupthink_49 (A3), Grub_48 (A3), Grum1_48 (A3), Gruunaga_45 (A6), GtownJaz_48 (A3), Gwendoluna_47 (A1), Gwennie_47 (A3), Gyzlar_41 (A1), HINdeR_41 (A7), HamSlice_44 (A4), Hami1_39 (A1), Hammer_47 (A6), HanShotFirst_43 (A1), Hanray_43 (A9), Happiness_44 (A4), Harlequin_36 (CA), HarryHoudini_45 (A2), HarryOW_43 (A1), HarveySr_57 (B3), HashRod_49 (A3), HaveUMetTed_49 (A3), Heathen_45 (A3), Heather_37 (BB2), Heffalump_43 (A2), HelDan_45 (A3), Heliosoles_47 (A3), Helmet_47 (A6), Herbertwm_42 (A2), Hercules11_48 (A3), Hermia_46 (A1), HermioneGrange_44 (A1), Hexamo_45 (A6), HippoHollow_44 (A2), Hiro_36 (CA), Holex_44 (A9), Holli_44 (A4), Homines_37 (A1), Hookmount_44 (A3), Hoot_45 (A6), Hope4ever_46 (A1), HortumSL17_45 (A9), Houdini22_45 (A4), HuhtaEnerson15_39 (A5), Hutc2_44 (A11), Huxley_44 (A4), ICleared_45 (A4), ILeeKay_49 (A1), IUFootball_42 (AZ2), Iceman_45 (A4), Ichabod_46 (A1), Idleandcovert_46 (A3), IgnatiusPatJac_44 (A1), Indra_48 (A6), Insomnia_45 (A11), Inyanga_42 (A1), Iqorha_42 (A1), Iracema64_46 (A4), IronMan_44 (A2), Isca_44 (A3), Isiphiwo_43 (A6), Iter_41 (AZ1), IttyBittyPiggy_41 (AZ1), Iwokeuplikedis_47 (A2), JC27_45 (A1), JF2_45 (A3), JF4_45 (A3), JHC117_48 (A3), JSwag_46 (A15), Jaan_45 (A2), Jabiru_39 (A5), Jabith_45 (A11), JackSparrow_46 (A1), Janeemi_43 (AZ1), Jankie_38 (FP), JasmineDragon_45 (AZ4), Jasper_46 (A1), Jaykayelowell_43 (A4), Jeeves_50 (A14), JenCasNa_49 (A3), JeppNRM_49 (A3), Jerm2_45 (A1), Jerm_46 (A2), Jester_36 (CA), JetBlade_45 (A4), JewelBug_47 (A6), Jiawan_43 (A9), Jobu08_47 (A3), Joemato_41 (AZ1), JohnDoe_41 (AZ1), JohnThicc_48 (AZ4), JoongJeon_44 (A4), Jordennis_45 (A6), Jorgensen_45 (A1), Joselito_45 (A11), JoshKayV_46 (A2), Journey13_40 (A2), Jovo_38 (A5), Jstan_41 (AZ1), JuliaChild_45 (A1), KADY_48 (A3), KBG_46 (A1), KFPoly_44 (A4), KSSJEB_43 (A1), Kachowdy_45 (A3), Kalb97_49 (A3), Kalnoky_49 (A3), Kalpine_44 (A2), Kampy_45 (A4), Kanely_45 (A1), Katalie136_44 (A4), KatherineG_48 (A15), Kaylissa_42 (AZ1), Kazan_46 (A6), KeAlii_40 (AZ1), KekoraPapaka_45 (A4), Kenmech_48 (A1), Kerberos_47 (A2), KikiBouba_46 (A1), Killigrew_44 (A1), Kimba_45 (A11), Kimona_43 (A19), KingCyrus_47 (A2), Kingmustik0402_45 (A4), Kinmap_43 (A21), Kipper29_45 (A6), KittenMittens_41 (A10), Klodlith_43 (A9), Koan_43 (A4), Koko_47 (A6), Koreni_44 (A4), Kratark_45 (A4), Kremtemulon_45 (A4), Krishelle_36 (CA), Kristoff_44 (A10), Kugel_46 (A1), KyMonks1A_47 (A1), Kyee_45 (A4), Kykar_45 (A1), LBerry_49 (A3), LHTSCC_47 (A4), LadyAstra_48 (AZ4), LadyBird_47 (A2), Lambert1_44 (A3), Lamina13_45 (A1), Landor_44 (A2), LappelDuVide_45 (A4), Larenn_44 (A2), LarryKay_48 (A3), LastResort_46 (A15), Lego_41 (AZ1), Lemur_45 (A4), LeoAvram_45 (A4), Leogania_44 (A2), Lesedi_42 (A1), Lev2_38 (A5), Levia_42 (A1), Leviathan_46 (A2), Licorice_48 (A1), LilBib_45 (A1), LilTurb_45 (A2), Lilbooboo_34 (BB1), Lilbunny_44 (A6), Lilith_49 (A3), Lilleskat_43 (A9), Lillie_36 (CA), LionsBait_46 (A2), LisoBros_41 (FP), LittleB_45 (A4), LittleCherry_39 (A5), LittleGuy_45 (A4), Lizalica_39 (AZ1), LochMonster_46 (A4), Lockley_44 (A1), LogiBear_45 (A15), Lokk_45 (A2), London_39 (AZ1), LoneWolf_45 (A9), Looper_47 (A15), Lopton_45 (A1), Lorenzo_45 (A4), Loser_46 (A2), Louie6_47 (A3), Lowa_48 (A3), Luchador_50 (A14), Lucivia_45 (A11), Lucyedi_45 (A16), LugYA_51 (A3), LunarLander_46 (A1), Lunsford_46 (A4), MA5_45 (A3), MK4_45 (A3), MPlant7149_43 (A1), MaCh_45 (A11), MaGuCo_40 (AZ2), Mabel_45 (A11), Mabodamaca_48 (EH), MadMarie_48 (A3), Magnar_44 (A1), Magnito_42 (A1), Mainiac_48 (A3), Makemake_44 (A1), Malec_45 (A2), Malinsilva_50 (A3), Maminiaina_44 (A9), Manatee_45 (A1), Manu_48 (A3), MarQuardt_48 (A3), Marcell_43 (A1), Marchesa_45 (A3), Marchy_39 (A1), Marco3_47 (A1), Marge_45 (A1), Margo_44 (A3), Marie_48 (A3), Marius_49 (A3), Maroc7_43 (A1), Marsha_45 (A1), MaryBeth_45 (A1), MarysWell_37 (A5), Maureen_42 (AZ2), Maverick_45 (A4), Maxo_46 (A4), Mayonnaise_44 (A4), Mazhar510_45 (A4), McFly_45 (A6), McGuire_45 (A1), McSinger_45 (A1),

Medusa_45 (A4), MeeZee_45 (A4), MegTheThird_43 (A9), Melvin_47 (A4), MetalQZJ_44 (A1), Methuselah_45 (A3), Micasa_40 (A5), Michkear_41 (AZ), Michley_44 (A1), Microwolf_48 (A3), MiculUcigas_44 (A2), Midas2_38 (A5), Miko_43 (A2), Milcery_39 (A5), MilleFeuille_44 (A1), Millski_44 (A4), MinecraftSteve_48 (A15), MiniMommy_46 (AZ4), Minispark_43 (A9), Miramae_44 (A4), Misomonster_49 (A3), MissSwiss_41 (AZ1), MissWhite_43 (A2), Mkhuseli_44 (A1), Molly_45 (A1), Monet_48 (A1), MoneyMay_48 (A3), Montavir_47 (A3), Moose_44 (A1), Morpher26_44 (A4), Morrow_46 (A4), MrGordo_44 (A1), Mryolo_42 (A1), MuchMore_51 (A3), Mudpuppy_38 (AZ1), Mulciber_44 (A11), Mule_42 (A1), Munch_45 (A11), Mundrea_44 (A4), Museum_45 (A1), MyraDee_40 (A18), Myxus_45 (A9), NEHalo_43 (A1), NaSiaTalie_44 (A2), Naiad_36 (CA), Naira_46 (A1), Naji_47 (A2), Nancinator_36 (CA), Natosaleda_36 (CA), NearlyHeadless_43 (A8), Nebs_46 (A4), Nebulosus_46 (A15), Nedarya_43 (A15), Neeharika16_45 (A6), Nemo27_45 (A4), Nerujay_46 (A1), Nesbitt_42 (BL), Newrala_45 (A6), Nhonho_45 (A1), NicoleTera_45 (A2), Niobe_39 (AZ1), Nitro_40 (AZ1), Niza_47 (A1), Noella_44 (A3), Noelle_45 (A4), Norbert_43 (A3), NorthStar_44 (A4), Norz_45 (A1), NotAPhaseMom_45 (A4), NothingSpecial_43 (A2), Noxious_46 (A1), Nyxis_45 (A4), OKCentral2016_43 (A10), OKaNui_45 (A4), Obama12_46 (A4), ObiToo_46 (AZ1), Odin_44 (A2), Ohfah_46 (A4), Ohno789_45 (A1), OlanP_47 (A3), Ollie_48 (A3), Onglai_43 (A9), Oofda_47 (A15), Oogway_42 (A1), Orange_44 (A11), Origami_47 (AZ4), P28Green_49 (A3), PGHhamlin_50 (A3), PP_46 (A7), PSullivan_44 (A1), PacerPaul_45 (A1), PackMan_44 (A9), PainterBoy_45 (A16), Palestino_44 (A4), Panamaxus_42 (A3), PandaPo_41 (AZ1), Papez_47 (A1), Paphu_43 (A1), Paraselene_43 (A1), Pari_45 (A1), Parliament_44 (A1), Partridge_36 (CA), PascalRango_45 (A1), PattyP_45 (A1), Pawn_48 (A3), Payneful_44 (A1), PeaceMeal1_42 (A10), Peaches_45 (A4), Pelly_44 (A1), Pembroke_48 (A3), Penny1_49 (A3), Pepe_42 (A1), Perplexer_44 (A4), Perseus_45 (A1), PeterPeter_45 (A4), Petersenfast_43 (A11), Peterson_48 (A1), PetiteSangsue_44 (A4), Petp2012_45 (A1), Petruchio_45 (A1), PetterN_40 (A5), Ph8s_46 (A2), Phacado_45 (A4), Phaded_46 (A2), Phaeder_45 (A9), PhailMary_35 (CA), Phantastic_46 (A3), Pharaoh_39 (A12), Phelipe_46 (A4), Phendrix_176 (DK), PherrisBueller_44 (A1), Phighter1804_45 (A4), Phillis_44 (A8), PhineBark_44 (A1), PhishRPhriends_46 (A3), Phives_43 (AZ1), Phlei_33 (A13), Phlippers_43 (A1), Phlorence_37 (A5), Phoebe_49 (A3), Phonnegut_45 (A9), Phontbonne_45 (A4), Phoxy_48 (A3), Phrankenstein_36 (CA), Phranny_49 (A3), PhrostyMug_44 (A1), PickleBack_38 (A5), PinkPlastic_43 (A1), Pinto_45 (A1), Pioneer_45 (A9), Pipcraft_43 (A4), Pippin_47 (A1), Piro94_44 (A2), Pistachio_47 (A3), Pita2_47 (A1), Pixelle_41 (AZ1), Pmask_45 (A6), Pocahontas_44 (A3), Polymorphads_46 (A4), Polyphemus_46 (A6), Pomar16_47 (A2), Ponzi_14 (singleton), Poompha_43 (A10), Popcicle_44 (A3), PotatoSplit_50 (A3), PowerRanger_45 (A1), Power_43 (A2), Powerpuff_43 (AZ1), Priamo_47 (A6), Prinashe11_39 (A5), Priya_45 (A9), ProMouse_45 (A1), Prudy_43 (A2), Pukovnik_43 (A2), Pumbaa_45 (A4), Pumpkins_40 (AZ1), Puppet_46 (A1), Puppy_47 (A3), PurpleHaze_48 (A3), QTRlifeCrisis_45 (A1), Qobbit_45 (A9), QueenB2_44 (A2), QueenBeesly_44 (A2), Quenya_42 (EB), QuinnKiro_43 (A3), RER2_29 (CA), RGL3_31 (CA), Rachaly_45 (A2), Rahalelujah_44 (A9), Raid_44 (A1), Rajelicia_46 (A1), Rasputin_36 (CA), Ravana_48 (A15), ReMo_46 (A15), Reba_48 (A3), Rebeuca_44 (A10), RedRock_46 (A2), Reedo_40 (AZ1), Refuge_44 (A12), Relief_44 (A4), RemusLoopin_36 (BB2), Remus_47 (A15), ResDef_44 (A3), Retro23_45 (A2), RexFury_36 (CA), Rhodalysa_36 (CA), RhynO_45 (A10), Rhynn_44 (A1), RidgeCB_44 (A1), Rifter_47 (A6), Ringer_46 (A1), Roary_43 (A8), RockieBear_44 (A4), Rockstar_45 (A3), Rohr_45 (A1), Roimos_45 (A3), Roksolana_46 (A6), Romney_45 (A4), Roosevelt_44 (A4), Rosa24_44 (A4), Rosalind_46 (A15), Rowa_41 (BL), Rowdy_48 (A10), Rubeus_45 (A1), Rufus_45 (A1), Ruin_45 (A4), Rummer_47

(A3), Ruotula_48 (A1), Rutherferd_47 (A1), RyeScarlet_46 (A9), STLscum_46 (A1), Sabertooth_45 (A4), Sabia_48 (A3), Sabinator_47 (A3), Sachima_42 (A9), Sagefire_48 (A1), Saintus_38 (A8), Salz_44 (A11), Samora_36 (BB1), Samy_65 (singleton), Sandaddy_44 (A1), Sanya_43 (A1), SarFire_43 (A1), Saskia_45 (A11), SaturnRing_46 (A3), Scamp_45 (A4), Schaffner_42 (AZ1), Scherzo_45 (A9), Scorpia_40 (A5), Scout_45 (A3), Scowl_45 (A1), Seabiscuit_46 (A1), Seanderson_47 (A1), Sebastisaurus_36 (BB2), SemperFi_45 (A2), SenorClean_45 (A4), Serenity_45 (A2), Severus_42 (A10), Shaka_45 (A4), ShakeItOph_45 (AZ4), Sham4_44 (A11), Shapes_48 (A10), Shawty_33 (BB1), ShayRa_48 (A15), Shayna_42 (EB), SheaKeira_43 (A9), Sheen_44 (A7), SheldonCooper_47 (A4), ShortQueendom_40 (A1), Shuman_36 (CA), Shygu2_44 (A4), Sibs6_45 (A1), Simpson_43 (AZ1), Skelbel_40 (AZ1), SkiPole_47 (A1), Skipitt_44 (A4), Sknot_44 (A2), Slagathor_47 (A1), Smairt_47 (A1), Smeadley_43 (A8), Smeagan_47 (A2), Smeagol_46 (A1), SmellyB_45 (A6), SnapTap_44 (A2), Snape_44 (A11), Snazzy_42 (A1), Snek_40 (AZ3), Snickers_48 (A3), SoYo_48 (A3), SoilDragon_48 (A3), Solon_44 (A1), Soondubu_37 (AZ6), SororFago_48 (A14), Sorpresa_44 (A1), Soshari_50 (A3), Soups_47 (A15), Sparxx_46 (A4), Spike509_48 (A3), SpikeBT_45 (A1), Spino_44 (A4), Spooks_19 (BT), Spouty_45 (A9), Squee_44 (A1), StAugustine_85 (AI), StCroix_36 (CA), Stagni_48 (A3), StarStuff_47 (A2), Stasia_44 (A4), SteMason_44 (A4), Steamy_41 (A12), StepMih_48 (A3), Stephig9_43 (A8), StewieG_44 (A1), Stink_45 (A4), StrongArm_44 (A1), Strosahl_47 (A15), Subaru_40 (AZ1), Success_19 (BT), Sue2_42 (AZ1), Sultana_45 (A4), Sumter_42 (A1), Sunhee_47 (A14), SunnyD_42 (EB), Sunshine924_45 (A1), SuperAwesome_45 (A6), SuperCallie99_45 (A6), Superchunk_44 (A2), SwainyDoc_59 (B3), Swann_36 (CA), SweetiePie_44 (A2), SwirlSquare_46 (A2), Swirley_41 (A5), SwissCheese_46 (A1), Switzer_45 (A1), Switzerland_47 (A15), Swole_45 (A1), SydNat_40 (A5), TG1_31 (BB1), TNguyen7_46 (A3), TWAMP_36 (CA), Tailonex_28 (singleton), Takoda_36 (CA), Tallboi_40 (AZ1), Taquarus_45 (A4), Target_45 (A1), Tarynearal_37 (A5), Tasp14_46 (A1), Taurus_49 (A3), Tbone_40 (AZ1), Teagster_43 (EB), Temprado_46 (A6), Teodoridan_43 (A1), Terrific_47 (A2), Texage_43 (A3), TforTroy_42 (AZ1), Thanksgivukkah_44 (A4), Theia_36 (A5), TheloniousMonk_46 (A1), Thor_43 (A1), ThursdayNight_44 (AZ), Tian_39 (AZ1), Tiffany_48 (A3), Tiger_37 (A5), Timothy_45 (A11), Timshel_43 (A7), TinaFeyge_45 (A4), TinyPebbles_47 (A3), TinyTerror_59 (B3), TinyTimmy_45 (A11), Tinybot_44 (A4), TipsytheTRex_42 (A2), TiroTheta9_45 (A4), Todacoro_44 (A3), Tomathan_47 (A2), ToneTone_42 (A6), Topanga_42 (A10), Topgun_44 (A1), Toro_45 (A7), Tote_40 (A1), Traft412_45 (A1), Travvers_47 (A2), Treddle_46 (A1), Trike_42 (A10), Tripl3t_45 (A1), Tristan_44 (A2), Trixie_44 (A2), Trouble_46 (A1), TroyPia_46 (A4), Tubs_45 (A9), Tuck_44 (AZ1), Tucker_46 (A6), Turab_38 (AZ1), Turbido_45 (A2), Turj99_42 (A1), Tutumahutu_42 (AZ1), Tweety19_41 (AZ3), Twigg_39 (A5), Twister_42 (A10), TwoPeat_45 (A1), TygerBlood_45 (A4), U2_43 (A1), Ugenie5_42 (A9), UhSalsa_36 (CA), Ulysses_44 (A4), UnionJack_39 (A5), Updawg_45 (A2), UtzChips_47 (EH), VA6_43 (A2), VC3_48 (A2), VResidence_41 (AZ1), Vanisoa_44 (A9), Vash_34 (BB1), Veracruz_43 (A3), Violet_42 (A1), Vix_48 (A3), VohminGhazi_45 (A6), VroomVroom_45 (AZ4), Waits_47 (A15), WalterMcMickey_42 (A10), Wander_45 (A4), Warda_41 (AZ1), Warrior24_48 (A15), Watermelon_46 (A1), Watson_48 (A3), WeiHuaDA_48 (A2), Whabigail7_45 (A2), Wheeler_45 (A1), Whitspit_43 (A1), WideWale_45 (A2), Wiks_44 (A6), Wilbur_45 (A4), Wildwest_40 (AZ1), Wile_44 (A4), Wilkins_44 (A1), Wizard007_45 (A4), Wolpertinger_43 (A11), Wooldri_50 (A3), WorldCup_43 (A9), WunderPhul_45 (A6), Xena_43 (A4), XianYue_44 (A2), Yecey3_46 (A9), YesChef_41 (AZ1), Yinz_58 (B3), YoSam321_45 (A4), Yogi_36 (CA), Yokurt_45 (A6), Yoncess_36 (CA), Zaka_45 (A6), Zarafa_45 (A3), Zeeculate_43 (A1), Zephyr_44 (A1), Zetzy_47 (A3), Zeuska_44 (A1), Zimmer_42 (A12), Zolita_39 (A5), Zulu_46 (A6), phiBT1_11

(BB1), phiSASD1_12 (BJ),

Start 255:
• Found in 2 of 2137 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RunningOnE_18 (UNK), Sixama_172 (DS),

Start 256:
• Found in 70 of 2137 (3.3%) of genes in pham
• Manual Annotations of this start: 51 of 1873
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Abinghost_58 (B3), Akoma_58 (B3), Athena_60 (B3), Audrey_58 (B3), Baloo_58 (B3), Ben11_58 (B3), Bernardo_59 (B3), BlueNGold_170 (DS), Boopy_173 (DS), Briakila_57 (B3), Casbah_58 (B3), ChaChing_58 (B3), Chalmers_57 (B3), Chandler_58 (B3), Chentzyk_59 (B3), Compostia_58 (B3), Corofin_58 (B3), Daisy_57 (B3), Deenasa_58 (B3), Devonte_57 (B3), Forza_174 (DS), Gadjet_59 (B3), Gervas_59 (B3), GlenHope_59 (B3), Halfpint_57 (B3), Heathcliff_58 (B3), Ibantik_18 (singleton), Jackstina_54 (B3), Kamiyu_58 (B3), Kronus_58 (B3), LestyG_57 (B3), Mareelih_171 (DS), Marley1013_59 (B3), Marlia_59 (B3), MmasiCarm_59 (B3), Mortcellus_58 (B3), Morty007_58 (B3), Mulaychimus_59 (B3), Neos5_58 (B3), Nozo_58 (B3), Obutu_59 (B3), Olivio_58 (B3), OrangeOswald_58 (B3), Phaedrus_54 (B3), Phayeta_60 (B3), Philly_57 (B3), Phlyer_58 (B3), Pipefish_59 (B3), RagingRooster_57 (B3), Rita1961_59 (B3), RomaT_58 (B3), Shenandoah_57 (B3), SlippinJimmy_60 (B3), SynergyX_58 (B3), Tydolla_56 (B3), Yahalom_57 (B3),

Start 258:
• Found in 422 of 2137 (19.7%) of genes in pham
• Manual Annotations of this start: 2 of 1873
• Called 0.7% of time when present
• Phage (with cluster) where this start called: Qyrzula_52 (B2), SirJeffery_57 (B5), Sour_53 (DR),

Start 259:
• Found in 4 of 2137 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1873
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Panchaali_90 (FC), PauloDiaboli_117 (GD1),

Start 265:
• Found in 24 of 2137 (1.1%) of genes in pham
• Manual Annotations of this start: 10 of 1873
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Atuin_93 (FC), Bloom_103 (FC), Chilliams_97 (FC), Ellewin_87 (FC), FloraSnap32_99 (FC), FrostedClock_102 (FC), GoldenEssence_85 (FC), Mimi_99 (FC), Patbob_98 (FC), Phrampa_92 (FC), Racecar_100 (FC), SJReid_103 (FC), Stewart25555_90 (FC), Talia1610_99 (FC), WaddleDee_86 (FC),

Start 266:

• Found in 1 of 2137 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Magritte_69 (singleton),

Start 275:
• Found in 135 of 2137 (6.3%) of genes in pham
• Manual Annotations of this start: 3 of 1873
• Called 2.2% of time when present
• Phage (with cluster) where this start called: Chako_38 (EA1), Chamuel_38 (EA1), SonOfLevi_38 (EA1),

Start 277:
• Found in 144 of 2137 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 0.7% of time when present
• Phage (with cluster) where this start called: JasonD_41 (EA1),

Start 282:
• Found in 55 of 2137 (2.6%) of genes in pham
• Manual Annotations of this start: 7 of 1873
• Called 16.4% of time when present
• Phage (with cluster) where this start called: Alone3_143 (BS), BRock_133 (BS), Beleetus_139 (BS), Fudan_137 (BS), Garnacho_133 (BS), GiJojo_132 (BS), LuckySocke_138 (BS), Park1214_146 (BS), Talos_142 (BS),

Start 285:
• Found in 10 of 2137 (0.5%) of genes in pham
• Manual Annotations of this start: 6 of 1873
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Adat_36 (AV), Brad_36 (AV), Casserole_35 (AV), GurgleFerb_36 (AV), Jasmine_38 (AV), Nellie_36 (AV),

Start 288:
• Found in 528 of 2137 (24.7%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 0.2% of time when present
• Phage (with cluster) where this start called: LadyJasley_40 (AV),

Start 296:
• Found in 1 of 2137 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shocker_43 (singleton),

Start 299:
• Found in 93 of 2137 (4.4%) of genes in pham
• Manual Annotations of this start: 1 of 1873
• Called 1.1% of time when present
• Phage (with cluster) where this start called: PastaFagioli_43 (EB),

Start 304:
• Found in 75 of 2137 (3.5%) of genes in pham

• Manual Annotations of this start: 2 of 1873
• Called 5.3% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_88 (FC), GalaxyEater_37 (AV), Nirvana_71 (BM), PigHeaded_40 (AV),

Start 315:
• Found in 83 of 2137 (3.9%) of genes in pham
• No Manual Annotations of this start.
• Called 7.2% of time when present
• Phage (with cluster) where this start called: Artu_91 (FC), BooTeria_95 (FC), Emmetator_91 (FC), KSunshine22_93 (FC), LeoJr_98 (FC), ReginaGlobina_98 (FC),

Start 322:
• Found in 14 of 2137 (0.7%) of genes in pham
• Manual Annotations of this start: 13 of 1873
• Called 92.9% of time when present
• Phage (with cluster) where this start called: BarnCat_62 (GB), Cassita_65 (GB), EhyElimayoE_67 (BM), Frankenweenie_74 (BM), JustBecause_62 (BM), Kela_63 (BM), Kradal_67 (BM), LeeroyJenkins_68 (GB), Lifes_61 (GB), Quantum_66 (BM), Sarkar_67 (BM), Satis_67 (BM), WaterT_64 (GB),

Start 327:
• Found in 12 of 2137 (0.6%) of genes in pham
• Manual Annotations of this start: 11 of 1873
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Abt2graduatex2_49 (BG), Asis_48 (BG), BabyGotBac_49 (BG), BayC_48 (BG), Maih_47 (BG), Mischief19_57 (BG), RainyPolka_49 (BG), Salete_48 (BG), TP1604_48 (BG), Xkcd426_52 (BG), YDN12_50 (BG),

Start 328:
• Found in 22 of 2137 (1.0%) of genes in pham
• No Manual Annotations of this start.
• Called 4.5% of time when present
• Phage (with cluster) where this start called: Rockabye_103 (FC),

Start 335:
• Found in 22 of 2137 (1.0%) of genes in pham
• Manual Annotations of this start: 20 of 1873
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BouleyBill_36 (EA4), Bustleton_37 (EA4), Cheeto1_39 (EA9), ChickenKing_38 (EA9), GaeCeo_39 (EA9), Golden_37 (EA4), Guetzie_37 (EA4), HairyMan_35 (EA10), HerculesXL_37 (EA11), Jingles_37 (EA4), Kauala_37 (EA4), Kavo_36 (EA11), Koji_37 (EA4), Lucky3_37 (EA4), Pherbot_37 (EA4), PrincePhergus_37 (EA4), RenegadeRaider_39 (EA4), Schimmels22_37 (EA11), Schubert_36 (EA8), Sinatra_37 (EA4), SirVictor_37 (EA4), Tinyman4_37 (EA11),

Start 336:
• Found in 7 of 2137 (0.3%) of genes in pham
• Manual Annotations of this start: 4 of 1873
• Called 85.7% of time when present

• Phage (with cluster) where this start called: Casey_35 (EA3), Pajaza_35 (EA3), Penta_35 (EA11), Pikmin_35 (EA3), Scissor2024_37 (EA11), WestPM_35 (EA11),

Start 337:
• Found in 49 of 2137 (2.3%) of genes in pham
• Manual Annotations of this start: 44 of 1873
• Called 93.9% of time when present
• Phage (with cluster) where this start called: Alakazam_38 (EA5), Andromedas_38 (EA2), BaronJohn_37 (EA5), CaptainRex_37 (EA5), Carostasia_37 (EA10), Chepli_40 (EA6), ChikPic_38 (EA2), Clock_37 (EA5), ColaCorta_38 (EA2), Eleri_38 (EA2), Finny_38 (EA2), Fulton_37 (EA5), Glamour_37 (EA2), GreenIvy_37 (EA5), Hasitha_37 (EA5), Ixel_38 (EA11), Jemerald_40 (EA6), Juanyo_37 (EA10), Juicer_40 (EA6), KatChan_40 (EA6), Librie_37 (EA5), LilTerminator_37 (EA5), Luna18_40 (EA6), MCubed_38 (EA2), Mandalorian_37 (EA10), Mercedes_34 (EA), MiniVolent_36 (EA10), Morrigan_40 (EA6), Nebulous_37 (EA5), Neferthena_38 (EA5), Nucci_37 (EA10), PSirce_38 (EA2), Phanita_38 (EA2), QuadZero_37 (EA5), Quartz_38 (EA10), Sansa_37 (EA2), Saratos_38 (EA2), Shamu_38 (EA2), TwoBits_37 (EA5), Wardwill_39 (EA5), WilliamStrong_38 (EA6), Xebius_38 (EA2), YuuY_37 (EA10), Zayuliv_37 (EA5), Zenitsu_38 (EA2), Zepp_38 (EA5),

Start 339:
• Found in 139 of 2137 (6.5%) of genes in pham
• Manual Annotations of this start: 121 of 1873
• Called 92.8% of time when present
• Phage (with cluster) where this start called: Acosta_40 (EA1), Agente005_39 (EA1), AlexAdler_39 (EA1), Alyxandracam_39 (EA1), Anilorac_38 (EA1), Antoinette_39 (EA1), AranulaLuti_38 (EA1), Asta_38 (EA1), Aubergine_38 (EA1), AxiPup_39 (EA1), Baines_38 (EA1), Balsa_38 (EA1), Bandik_39 (EA1), BeautPeep30_39 (EA1), Benjalauren_39 (EA1), BigRedClifford_39 (EA1), Blage_39 (EA1), BonesMcCoy_39 (EA1), Bonino_38 (EA1), Byron23_39 (EA1), Calix_38 (EA1), CarisSwetlik_41 (EA1), Christoph_38 (EA1), Clancy_38 (EA1), Convict_39 (EA1), CoraRita_38 (EA1), Dave_39 (EA1), Delphidian_39 (EA1), Den3_39 (EA1), Dothraki_39 (EA1), Duocatuli_38 (EA1), Endor_39 (EA1), Erla_38 (EA1), Espinosa_38 (EA1), Etna_38 (EA1), Etta_38 (EA1), Exploradora_38 (EA1), FarmerDoug_38 (EA1), Figueroism_39 (EA1), GardenB_38 (EA1), Gelo_38 (EA1), Gershwin_38 (EA1), GoingMerry_39 (EA1), GoneGirl_39 (EA1), Greys_39 (EA1), Gubbabump_38 (EA1), Hamlet_38 (EA1), HanSolo_38 (EA1), HankSprout_39 (EA1), HavenFinLeoSun_40 (EA1), HungryHenry_38 (EA1), Ilzat_38 (EA1), Inventa_39 (EA1), Janus167_38 (EA1), JasperRussell_38 (EA1), Jenos_42 (EA1), Jerbirus_39 (EA1), JeriBeth_38 (EA1), Kale_38 (EA1), KannH_38 (EA1), KellyGreen_39 (EA1), KingJulien_38 (EA1), Klimt_38 (EA1), Knox_39 (EA1), Kouch_38 (EA1), Kurt1_39 (EA1), Leafus_38 (EA1), Lovelyunicorn_39 (EA1), Ludgate_39 (EA1), MaeLinda_39 (EA1), ManRay_38 (EA1), Martin_40 (EA1), McGalleon_41 (EA1), Merida02_40 (EA1), MillyPhilly_39 (EA1), MonChoix_37 (EA1), MrWorldwide_39 (EA1), Nagem_39 (EA1), Nattles_38 (EA1), NickSell_39 (EA1), Oats_38 (EA1), OldNelly_39 (EA1), Oxtober96_39 (EA1), Papafritta_38 (EA1), ParleG_39 (EA1), Peep_39 (EA1), Peppino_38 (EA1), Pherferi_39 (EA1), Phiderman_39 (EA1), PhillyPhantom_38 (EA1), Phireproof_39 (EA1), PhredFlintston_39 (EA1), Phriends_39 (EA1), Pocket_38 (EA1), PuppyEggo_39 (EA1), Raccoon_38 (EA1), Rapheph_39 (EA1), Raptor_39 (EA1), Redfield_38 (EA1), Riyhil_39 (EA1), Robinson_39 (EA1), Rog141_38 (EA1), RosieMae_38 (EA1), SJay_39 (EA1), Schnapsidee_38 (EA1), Sedgewig_38 (EA1), ShaiHulud_39 (EA1), Shee_39 (EA1), SoilGremlin_39 (EA1), SolidSnake_40 (EA1), Soror1_38 (EA1), Stanktossa_39 (EA1), StingRay_38 (EA1), StirfryIV_38 (EA1),

Stormbreaker8_38 (EA1), Strathdee_39 (EA1), Superfresh_39 (EA1), Symere_38 (EA1), Teagan_39 (EA1), TeddyBear_38 (EA1), Tenda_38 (EA1), Thompsone_39 (EA1), Thorongil_39 (EA1), TinSulphur_39 (EA1), Velene_39 (EA1), Vispistious_39 (EA1), WildNOut_39 (EA1), Winzigespinne_38 (EA1), Zada_39 (EA1),

Start 342:
• Found in 177 of 2137 (8.3%) of genes in pham
• Manual Annotations of this start: 5 of 1873
• Called 2.8% of time when present
• Phage (with cluster) where this start called: BeeBee8_39 (EA1), Garey24_38 (EA1), Gargoyle_39 (EA1), Ioannes_39 (EA1), Renzie_39 (EA1),

Start 418:
• Found in 556 of 2137 (26.0%) of genes in pham
• No Manual Annotations of this start.
• Called 0.2% of time when present
• Phage (with cluster) where this start called: Laure_103 (UNK),

Summary by clusters:

There are 87 clusters represented in this pham: BG, BL, BM, FR, BJ, BT, BR, BS, GG, GC, GB, EA11, EA10, B4, B5, B6, B7, B1, B2, B3, B8, B9, EH, EA, EB, EA9, GD2, FP, GD1, singleton, GD3, GD4, FC, B12, B13, B10, B11, EA2, BB2, BB1, CA, CD, UNK, CT, A20, A21, A22, DK, DR, DS, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, AB, AI, AQ, EA8, AV, EA1, EA3, AZ, EA5, EA4, EA6, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster A1:
•Start number 254 was manually annotated 225 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 254 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 254 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 254 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 254 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 254 was manually annotated 24 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 254 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 254 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 254 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 253 was manually annotated 5 times for cluster A2.
•Start number 254 was manually annotated 101 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 254 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:
•Start number 254 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 254 was manually annotated 116 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 254 was manually annotated 143 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 224 was manually annotated 2 times for cluster A5.
•Start number 254 was manually annotated 37 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 229 was manually annotated 1 time for cluster A6.
•Start number 254 was manually annotated 47 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 254 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 254 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 253 was manually annotated 2 times for cluster A9.
•Start number 254 was manually annotated 33 times for cluster A9.

Info for manual annotations of cluster AB:
•Start number 67 was manually annotated 1 time for cluster AB.
•Start number 75 was manually annotated 1 time for cluster AB.
•Start number 82 was manually annotated 1 time for cluster AB.
•Start number 96 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster AI:
•Start number 254 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster AQ:
•Start number 218 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster AV:
•Start number 248 was manually annotated 1 time for cluster AV.
•Start number 285 was manually annotated 6 times for cluster AV.

•Start number 288 was manually annotated 1 time for cluster AV.

Info for manual annotations of cluster AZ1:
•Start number 149 was manually annotated 1 time for cluster AZ1.
•Start number 188 was manually annotated 1 time for cluster AZ1.
•Start number 254 was manually annotated 44 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 161 was manually annotated 1 time for cluster AZ2.
•Start number 254 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 254 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 254 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:
•Start number 253 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:
•Start number 254 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster B1:
•Start number 198 was manually annotated 1 time for cluster B1.
•Start number 215 was manually annotated 287 times for cluster B1.

Info for manual annotations of cluster B10:
•Start number 203 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 210 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 208 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 236 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 215 was manually annotated 36 times for cluster B2.
•Start number 258 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:
•Start number 254 was manually annotated 5 times for cluster B3.
•Start number 256 was manually annotated 46 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 185 was manually annotated 2 times for cluster B4.
•Start number 190 was manually annotated 4 times for cluster B4.
•Start number 204 was manually annotated 1 time for cluster B4.

•Start number 208 was manually annotated 20 times for cluster B4.
•Start number 212 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:
•Start number 208 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 210 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:
•Start number 218 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 239 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 215 was manually annotated 5 times for cluster B9.
•Start number 221 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster BB1:
•Start number 254 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 254 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster BG:
•Start number 327 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster BJ:
•Start number 254 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:
•Start number 254 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster BM:
•Start number 304 was manually annotated 1 time for cluster BM.
•Start number 322 was manually annotated 8 times for cluster BM.

Info for manual annotations of cluster BR:
•Start number 27 was manually annotated 1 time for cluster BR.
•Start number 48 was manually annotated 1 time for cluster BR.

Info for manual annotations of cluster BS:
•Start number 282 was manually annotated 7 times for cluster BS.

Info for manual annotations of cluster BT:
•Start number 254 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster CA:
•Start number 254 was manually annotated 36 times for cluster CA.

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

•Start number 15 was manually annotated 2 times for cluster CD.
•Start number 16 was manually annotated 1 time for cluster CD.
•Start number 178 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CT:
•Start number 45 was manually annotated 21 times for cluster CT.
•Start number 56 was manually annotated 1 time for cluster CT.
•Start number 57 was manually annotated 26 times for cluster CT.
•Start number 58 was manually annotated 15 times for cluster CT.

Info for manual annotations of cluster DK:
•Start number 254 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DR:
•Start number 245 was manually annotated 5 times for cluster DR.
•Start number 250 was manually annotated 1 time for cluster DR.
•Start number 251 was manually annotated 15 times for cluster DR.
•Start number 258 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster DS:
•Start number 255 was manually annotated 1 time for cluster DS.
•Start number 256 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster EA:
•Start number 337 was manually annotated 1 time for cluster EA.

Info for manual annotations of cluster EA1:
•Start number 242 was manually annotated 1 time for cluster EA1.
•Start number 275 was manually annotated 3 times for cluster EA1.
•Start number 277 was manually annotated 1 time for cluster EA1.
•Start number 339 was manually annotated 121 times for cluster EA1.
•Start number 342 was manually annotated 5 times for cluster EA1.

Info for manual annotations of cluster EA10:
•Start number 335 was manually annotated 1 time for cluster EA10.
•Start number 337 was manually annotated 6 times for cluster EA10.

Info for manual annotations of cluster EA11:
•Start number 335 was manually annotated 3 times for cluster EA11.
•Start number 336 was manually annotated 1 time for cluster EA11.
•Start number 337 was manually annotated 1 time for cluster EA11.

Info for manual annotations of cluster EA2:
•Start number 337 was manually annotated 13 times for cluster EA2.

Info for manual annotations of cluster EA3:
•Start number 336 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:
•Start number 335 was manually annotated 12 times for cluster EA4.

Info for manual annotations of cluster EA5:
•Start number 337 was manually annotated 16 times for cluster EA5.

Info for manual annotations of cluster EA6:
•Start number 337 was manually annotated 7 times for cluster EA6.

Info for manual annotations of cluster EA8:
•Start number 335 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:
•Start number 335 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster EB:
•Start number 238 was manually annotated 7 times for cluster EB.
•Start number 241 was manually annotated 65 times for cluster EB.
•Start number 243 was manually annotated 3 times for cluster EB.
•Start number 254 was manually annotated 5 times for cluster EB.
•Start number 299 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster EH:
•Start number 253 was manually annotated 10 times for cluster EH.
•Start number 254 was manually annotated 5 times for cluster EH.

Info for manual annotations of cluster FC:
•Start number 259 was manually annotated 1 time for cluster FC.
•Start number 265 was manually annotated 10 times for cluster FC.
•Start number 304 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster FP:
•Start number 254 was manually annotated 6 times for cluster FP.

Info for manual annotations of cluster FR:
•Start number 236 was manually annotated 2 times for cluster FR.
•Start number 245 was manually annotated 9 times for cluster FR.

Info for manual annotations of cluster GB:
•Start number 322 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GC:
•Start number 250 was manually annotated 4 times for cluster GC.

Info for manual annotations of cluster GD1:
•Start number 246 was manually annotated 2 times for cluster GD1.
•Start number 259 was manually annotated 1 time for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 249 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 246 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 249 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster GG:

•Start number 36 was manually annotated 2 times for cluster GG.

Gene Information:

Gene: 20ES_45 Start: 31266, Stop: 29479, Start Num: 254
Candidate Starts for 20ES_45:
(52, 31683), (Start: 254 @31266 has 935 MA's), (386, 31062), (388, 31059), (391, 31053), (402, 31038), (413, 31023), (426, 30990), (427, 30987), (436, 30960), (449, 30933), (463, 30912), (474, 30882), (514, 30780), (591, 30687), (594, 30678), (609, 30639), (618, 30630), (626, 30615), (666, 30549), (708, 30468), (732, 30420), (734, 30414), (767, 30351), (798, 30276), (819, 30195), (846, 30111), (847, 30108), (862, 30042), (875, 30003), (899, 29982), (925, 29907), (931, 29889), (935, 29877), (946, 29844), (956, 29817), (975, 29781), (985, 29763), (1003, 29727), (1007, 29703), (1037, 29646), (1041, 29625), (1060, 29568), (1065, 29556), (1071, 29547),

Gene: 39HC_051 Start: 52288, Stop: 50447, Start Num: 210
Candidate Starts for 39HC_051:
(85, 52552), (91, 52537), (Start: 210 @52288 has 3 MA's), (280, 52231), (Start: 288 @52216 has 1 MA's), (388, 52042), (418, 51991), (419, 51988), (426, 51967), (442, 51916), (444, 51910), (463, 51892), (481, 51850), (487, 51847), (496, 51817), (567, 51724), (590, 51688), (594, 51676), (657, 51562), (670, 51538), (671, 51535), (775, 51304), (797, 51235), (800, 51217), (806, 51199), (820, 51142), (854, 51034), (856, 51028), (859, 51019), (879, 50956), (904, 50920), (905, 50917), (910, 50902), (939, 50824), (944, 50812), (950, 50791), (951, 50785), (970, 50752), (985, 50722), (996, 50707), (1003, 50686), (1007, 50662), (1021, 50638), (1039, 50599), (1040, 50587), (1041, 50584), (1042, 50581), (1044, 50569), (1054, 50545), (1084, 50473),

Gene: 40AC_46 Start: 33055, Stop: 30977, Start Num: 102
Candidate Starts for 40AC_46:
(102, 33055), (142, 32941), (Start: 254 @32764 has 935 MA's), (386, 32560), (391, 32551), (413, 32521), (426, 32488), (427, 32485), (436, 32458), (449, 32431), (514, 32278), (591, 32185), (594, 32176), (618, 32128), (626, 32113), (666, 32047), (732, 31918), (734, 31912), (768, 31846), (819, 31693), (836, 31642), (847, 31606), (850, 31597), (862, 31540), (875, 31501), (899, 31480), (904, 31459), (946, 31342), (1004, 31222), (1037, 31144), (1041, 31123), (1060, 31066), (1065, 31054), (1071, 31045),

Gene: 40BC_051 Start: 52288, Stop: 50447, Start Num: 210
Candidate Starts for 40BC_051:
(85, 52552), (91, 52537), (Start: 210 @52288 has 3 MA's), (280, 52231), (Start: 288 @52216 has 1 MA's), (388, 52042), (418, 51991), (419, 51988), (426, 51967), (442, 51916), (444, 51910), (463, 51892), (481, 51850), (487, 51847), (496, 51817), (567, 51724), (590, 51688), (594, 51676), (657, 51562), (670, 51538), (671, 51535), (775, 51304), (797, 51235), (800, 51217), (806, 51199), (820, 51142), (854, 51034), (856, 51028), (859, 51019), (879, 50956), (904, 50920), (905, 50917), (910, 50902), (939, 50824), (944, 50812), (950, 50791), (951, 50785), (970, 50752), (985, 50722), (996, 50707), (1003, 50686), (1007, 50662), (1021, 50638), (1039, 50599), (1040, 50587), (1041, 50584), (1042, 50581), (1044, 50569), (1054, 50545), (1084, 50473),

Gene: 8UZL_44 Start: 34273, Stop: 31928, Start Num: 82
Candidate Starts for 8UZL_44:
(Start: 56 @34339 has 1 MA's), (61, 34330), (Start: 75 @34285 has 1 MA's), (Start: 82 @34273 has 1 MA's), (Start: 96 @34234 has 1 MA's), (118, 34177), (165, 34075), (182, 34045), (213, 34015), (329, 33847), (392, 33727), (438, 33625), (476, 33544), (497, 33484), (522, 33418), (569, 33286), (593,

33238), (664, 33166), (668, 33157), (679, 33145), (733, 33076), (810, 32863), (823, 32809), (848, 32728), (855, 32695), (874, 32629), (876, 32623), (880, 32617), (883, 32611), (897, 32587), (905, 32554), (910, 32539), (912, 32530), (970, 32371), (974, 32359), (1049, 32131), (1058, 32104), (1081, 32035),

Gene: A3Wally_117 Start: 81842, Stop: 79962, Start Num: 246
Candidate Starts for A3Wally_117:
(205, 81905), (237, 81851), (Start: 246 @81842 has 3 MA's), (Start: 259 @81830 has 2 MA's), (373, 81632), (388, 81605), (418, 81566), (438, 81503), (454, 81485), (467, 81458), (470, 81452), (517, 81344), (594, 81266), (601, 81245), (615, 81212), (632, 81182), (647, 81155), (681, 81095), (736, 80990), (755, 80957), (787, 80888), (790, 80879), (819, 80768), (852, 80654), (873, 80570), (879, 80555), (920, 80444), (923, 80438), (927, 80426), (932, 80411), (976, 80300), (1007, 80210), (1029, 80171), (1035, 80159), (1041, 80132), (1060, 80075), (1075, 80051),

Gene: A6_41 Start: 33551, Stop: 31725, Start Num: 254
Candidate Starts for A6_41:
(Start: 254 @33551 has 935 MA's), (391, 33338), (400, 33323), (426, 33275), (436, 33245), (443, 33224), (449, 33218), (455, 33209), (491, 33125), (494, 33116), (504, 33092), (514, 33065), (591, 32972), (596, 32957), (603, 32936), (609, 32924), (639, 32873), (641, 32870), (675, 32816), (680, 32804), (701, 32774), (711, 32744), (734, 32699), (755, 32660), (819, 32480), (834, 32432), (847, 32393), (862, 32327), (875, 32288), (899, 32267), (904, 32246), (910, 32228), (935, 32162), (1003, 32012), (1004, 32009), (1012, 31973), (1029, 31949), (1034, 31940), (1038, 31928), (1060, 31853), (1071, 31832),

Gene: ABU_61 Start: 54532, Stop: 52673, Start Num: 215
Candidate Starts for ABU_61:
(Start: 198 @54556 has 1 MA's), (Start: 215 @54532 has 328 MA's), (Start: 245 @54508 has 14 MA's), (Start: 258 @54502 has 2 MA's), (Start: 288 @54460 has 1 MA's), (300, 54439), (360, 54325), (363, 54319), (382, 54289), (418, 54229), (425, 54208), (442, 54154), (454, 54142), (464, 54124), (469, 54112), (511, 54007), (567, 53950), (590, 53914), (594, 53902), (605, 53875), (620, 53848), (630, 53830), (641, 53812), (666, 53773), (670, 53764), (671, 53761), (783, 53503), (813, 53401), (820, 53368), (827, 53347), (856, 53254), (859, 53245), (881, 53182), (904, 53146), (905, 53143), (910, 53128), (939, 53050), (944, 53038), (950, 53017), (970, 52978), (1007, 52888), (1018, 52870), (1021, 52864), (1029, 52849), (1039, 52825), (1041, 52810), (1042, 52807), (1044, 52795), (1054, 52771), (1073, 52723), (1084, 52699),

Gene: ACFishhook_47 Start: 31825, Stop: 30011, Start Num: 254
Candidate Starts for ACFishhook_47:
(Start: 254 @31825 has 935 MA's), (284, 31786), (289, 31774), (386, 31621), (395, 31606), (426, 31549), (449, 31492), (455, 31483), (474, 31441), (494, 31390), (514, 31339), (591, 31246), (609, 31198), (626, 31174), (647, 31135), (666, 31108), (680, 31078), (727, 30985), (734, 30973), (758, 30925), (767, 30910), (819, 30754), (836, 30703), (846, 30670), (847, 30667), (862, 30601), (875, 30562), (905, 30490), (920, 30451), (929, 30427), (935, 30409), (946, 30376), (985, 30295), (1007, 30235), (1018, 30217), (1041, 30157), (1043, 30148), (1060, 30100), (1065, 30088), (1071, 30079),

Gene: AEgle_37 Start: 28789, Stop: 30654, Start Num: 254
Candidate Starts for AEgle_37:
(Start: 254 @28789 has 935 MA's), (Start: 288 @28837 has 1 MA's), (386, 28993), (443, 29107), (479, 29176), (593, 29383), (596, 29392), (641, 29482), (647, 29491), (657, 29506), (666, 29518), (681, 29551), (732, 29644), (759, 29701), (788, 29782), (819, 29902), (830, 29932), (847, 29989), (860, 30046), (862, 30055), (903, 30148), (929, 30220), (932, 30229), (971, 30328), (1003, 30391), (1053, 30526), (1060, 30550), (1064, 30559), (1099, 30637),

Gene: AFIS_43 Start: 34331, Stop: 32502, Start Num: 254
Candidate Starts for AFIS_43:
(Start: 254 @34331 has 935 MA's), (391, 34118), (426, 34055), (436, 34025), (443, 34004), (449, 33998), (455, 33989), (504, 33872), (514, 33845), (591, 33752), (596, 33737), (609, 33704), (639, 33653), (641, 33650), (675, 33596), (680, 33584), (701, 33554), (711, 33524), (734, 33479), (755, 33440), (819, 33260), (834, 33212), (850, 33164), (859, 33125), (862, 33107), (875, 33068), (899, 33047), (904, 33026), (909, 33011), (953, 32888), (971, 32855), (1035, 32717), (1040, 32693), (1057, 32645), (1060, 32633), (1071, 32612), (1075, 32606), (1094, 32558), (1101, 32543),

Gene: AGrandiflora_42 Start: 30069, Stop: 31934, Start Num: 254
Candidate Starts for AGrandiflora_42:
(Start: 254 @30069 has 935 MA's), (Start: 288 @30117 has 1 MA's), (349, 30207), (352, 30213), (436, 30366), (479, 30456), (593, 30663), (596, 30672), (641, 30762), (647, 30771), (657, 30786), (681, 30831), (708, 30876), (732, 30924), (759, 30981), (788, 31062), (812, 31149), (819, 31182), (830, 31212), (847, 31269), (862, 31335), (872, 31359), (903, 31428), (929, 31500), (932, 31509), (971, 31608), (1003, 31671), (1007, 31695), (1053, 31806), (1060, 31830), (1064, 31839),

Gene: AN3_45 Start: 31646, Stop: 29859, Start Num: 254
Candidate Starts for AN3_45:
(Start: 254 @31646 has 935 MA's), (386, 31442), (388, 31439), (391, 31433), (402, 31418), (413, 31403), (426, 31370), (427, 31367), (436, 31340), (449, 31313), (463, 31292), (474, 31262), (514, 31160), (591, 31067), (594, 31058), (609, 31019), (618, 31010), (626, 30995), (666, 30929), (708, 30848), (732, 30800), (734, 30794), (798, 30656), (819, 30575), (836, 30524), (846, 30491), (847, 30488), (862, 30422), (875, 30383), (899, 30362), (925, 30287), (931, 30269), (946, 30224), (956, 30197), (975, 30161), (985, 30143), (1003, 30107), (1007, 30083), (1037, 30026), (1060, 29948), (1065, 29936), (1071, 29927),

Gene: AN9_48 Start: 31569, Stop: 29770, Start Num: 254
Candidate Starts for AN9_48:
(Start: 254 @31569 has 935 MA's), (386, 31365), (426, 31290), (427, 31287), (436, 31260), (441, 31245), (449, 31233), (474, 31182), (514, 31080), (591, 30987), (594, 30978), (609, 30939), (618, 30930), (666, 30849), (681, 30816), (701, 30789), (755, 30675), (767, 30651), (819, 30486), (834, 30438), (847, 30399), (855, 30363), (862, 30333), (875, 30294), (899, 30273), (935, 30168), (946, 30135), (975, 30072), (1003, 30018), (1007, 29994), (1060, 29859), (1065, 29847), (1071, 29838),

Gene: ANI8_48 Start: 31569, Stop: 29770, Start Num: 254
Candidate Starts for ANI8_48:
(Start: 254 @31569 has 935 MA's), (386, 31365), (426, 31290), (427, 31287), (436, 31260), (441, 31245), (449, 31233), (474, 31182), (514, 31080), (591, 30987), (594, 30978), (609, 30939), (618, 30930), (666, 30849), (681, 30816), (701, 30789), (755, 30675), (767, 30651), (819, 30486), (834, 30438), (847, 30399), (855, 30363), (862, 30333), (875, 30294), (899, 30273), (935, 30168), (946, 30135), (975, 30072), (1003, 30018), (1007, 29994), (1060, 29859), (1065, 29847), (1071, 29838),

Gene: AbbeyMikolon_44 Start: 30256, Stop: 32121, Start Num: 254
Candidate Starts for AbbeyMikolon_44:
(Start: 254 @30256 has 935 MA's), (Start: 288 @30304 has 1 MA's), (Start: 299 @30325 has 1 MA's), (352, 30400), (415, 30502), (435, 30559), (436, 30562), (437, 30565), (470, 30628), (474, 30640), (603, 30868), (614, 30889), (626, 30910), (647, 30949), (657, 30964), (658, 30967), (659, 30970), (684, 31015), (702, 31036), (708, 31054), (711, 31063), (732, 31102), (742, 31132), (747, 31144), (769, 31207), (804, 31324), (819, 31384), (834, 31432), (847, 31471), (853, 31501), (862, 31537), (884, 31591), (905, 31639), (929, 31702), (967, 31801), (971, 31810), (999, 31861), (1021, 31921), (1032, 31939), (1053, 32008), (1060, 32032), (1075, 32059),

Gene: AbbyPaige_46 Start: 31676, Stop: 29889, Start Num: 254
Candidate Starts for AbbyPaige_46:
(Start: 178 @31763 has 1 MA's), (Start: 254 @31676 has 935 MA's), (388, 31469), (391, 31463), (402, 31448), (413, 31433), (427, 31397), (436, 31370), (449, 31343), (463, 31322), (514, 31190), (591, 31097), (609, 31049), (618, 31040), (626, 31025), (666, 30959), (708, 30878), (732, 30830), (734, 30824), (767, 30761), (819, 30605), (836, 30554), (846, 30521), (847, 30518), (862, 30452), (875, 30413), (899, 30392), (925, 30317), (929, 30305), (946, 30254), (975, 30191), (985, 30173), (1003, 30137), (1007, 30113), (1041, 30035), (1060, 29978), (1065, 29966), (1071, 29957),

Gene: AbbysRanger_44 Start: 31536, Stop: 29707, Start Num: 254
Candidate Starts for AbbysRanger_44:
(Start: 254 @31536 has 935 MA's), (289, 31485), (305, 31455), (413, 31293), (421, 31275), (426, 31260), (449, 31203), (455, 31194), (505, 31074), (514, 31050), (562, 31008), (591, 30957), (611, 30909), (626, 30888), (647, 30849), (675, 30804), (678, 30798), (719, 30717), (732, 30696), (755, 30651), (815, 30486), (819, 30465), (862, 30312), (875, 30273), (905, 30201), (910, 30186), (920, 30162), (927, 30144), (929, 30138), (931, 30132), (1007, 29931), (1060, 29796), (1065, 29784), (1071, 29775),

Gene: Abbyshoes_47 Start: 34766, Stop: 32937, Start Num: 254
Candidate Starts for Abbyshoes_47:
(Start: 254 @34766 has 935 MA's), (391, 34553), (400, 34538), (426, 34490), (436, 34460), (443, 34439), (449, 34433), (455, 34424), (504, 34307), (514, 34280), (591, 34187), (596, 34172), (639, 34088), (641, 34085), (680, 34019), (701, 33989), (711, 33959), (734, 33914), (755, 33875), (819, 33695), (834, 33647), (850, 33599), (859, 33560), (862, 33542), (875, 33503), (899, 33482), (904, 33461), (909, 33446), (953, 33323), (1035, 33152), (1040, 33128), (1057, 33080), (1060, 33068), (1071, 33047), (1075, 33041), (1094, 32993), (1101, 32978),

Gene: Abdiel_45 Start: 31571, Stop: 29745, Start Num: 254
Candidate Starts for Abdiel_45:
(Start: 254 @31571 has 935 MA's), (271, 31550), (289, 31520), (305, 31490), (413, 31328), (421, 31310), (449, 31238), (455, 31229), (505, 31109), (514, 31085), (591, 30992), (611, 30944), (626, 30923), (647, 30884), (719, 30752), (732, 30731), (755, 30686), (759, 30674), (815, 30521), (819, 30500), (855, 30377), (862, 30347), (875, 30308), (904, 30242), (905, 30239), (910, 30224), (920, 30200), (929, 30176), (1007, 29969), (1060, 29834), (1065, 29822), (1071, 29813),

Gene: Abigail_42 Start: 29285, Stop: 31159, Start Num: 241
Candidate Starts for Abigail_42:
(Start: 238 @29282 has 7 MA's), (Start: 241 @29285 has 65 MA's), (Start: 299 @29354 has 1 MA's), (315, 29375), (455, 29621), (474, 29663), (647, 29957), (766, 30191), (804, 30314), (819, 30374), (822, 30380), (836, 30425), (843, 30440), (845, 30455), (853, 30491), (862, 30527), (903, 30620), (936, 30713), (967, 30791), (1003, 30863), (1004, 30866), (1012, 30902), (1037, 30944), (1040, 30962), (1053, 30998), (1060, 31022), (1071, 31043),

Gene: Abinghost_58 Start: 53637, Stop: 51820, Start Num: 256
Candidate Starts for Abinghost_58:
(137, 53820), (Start: 256 @53637 has 51 MA's), (280, 53607), (391, 53427), (463, 53274), (467, 53262), (481, 53232), (489, 53226), (511, 53163), (513, 53157), (567, 53106), (590, 53070), (609, 53022), (671, 52917), (718, 52821), (747, 52770), (796, 52626), (806, 52587), (814, 52557), (820, 52530), (824, 52518), (854, 52422), (856, 52416), (859, 52407), (861, 52395), (893, 52323), (904, 52293), (910, 52275), (915, 52266), (939, 52197), (944, 52185), (950, 52164), (985, 52095), (996, 52080), (1004, 52056), (1007, 52035), (1018, 52017), (1021, 52011), (1037, 51978), (1039, 51972), (1042, 51954), (1044, 51942), (1050, 51930), (1054, 51918), (1070, 51876), (1084, 51846),

Gene: Abrogate_440 Start: 35018, Stop: 33189, Start Num: 254
Candidate Starts for Abrogate_440:
(Start: 254 @35018 has 935 MA's), (391, 34805), (400, 34790), (436, 34712), (443, 34691), (449, 34685), (455, 34676), (491, 34592), (504, 34559), (514, 34532), (591, 34439), (596, 34424), (603, 34403), (609, 34391), (639, 34340), (641, 34337), (680, 34271), (701, 34241), (711, 34211), (734, 34166), (755, 34127), (819, 33947), (834, 33899), (850, 33851), (859, 33812), (862, 33794), (875, 33755), (899, 33734), (904, 33713), (909, 33698), (953, 33575), (1035, 33404), (1040, 33380), (1057, 33332), (1060, 33320), (1071, 33299), (1075, 33293), (1094, 33245), (1101, 33230),

Gene: AbsoluteMadLad_61 Start: 54486, Stop: 52627, Start Num: 215
Candidate Starts for AbsoluteMadLad_61:
(Start: 198 @54510 has 1 MA's), (Start: 215 @54486 has 328 MA's), (Start: 245 @54462 has 14 MA's), (Start: 258 @54456 has 2 MA's), (Start: 288 @54414 has 1 MA's), (300, 54393), (360, 54279), (363, 54273), (382, 54243), (418, 54183), (425, 54162), (442, 54108), (454, 54096), (464, 54078), (469, 54066), (511, 53961), (567, 53904), (590, 53868), (594, 53856), (603, 53832), (609, 53820), (620, 53802), (630, 53784), (641, 53766), (666, 53727), (670, 53718), (671, 53715), (673, 53712), (813, 53355), (820, 53322), (827, 53301), (856, 53208), (859, 53199), (881, 53136), (904, 53100), (905, 53097), (910, 53082), (939, 53004), (944, 52992), (950, 52971), (970, 52932), (1007, 52842), (1018, 52824), (1021, 52818), (1029, 52803), (1039, 52779), (1041, 52764), (1042, 52761), (1044, 52749), (1054, 52725), (1073, 52677), (1084, 52653),

Gene: Abt2graduatex2_49 Start: 39647, Stop: 37638, Start Num: 327
Candidate Starts for Abt2graduatex2_49:
(262, 39737), (Start: 275 @39722 has 3 MA's), (Start: 327 @39647 has 11 MA's), (351, 39605), (435, 39446), (437, 39440), (438, 39434), (467, 39374), (477, 39347), (507, 39263), (547, 39122), (574, 39044), (628, 38930), (635, 38921), (645, 38906), (653, 38894), (662, 38882), (677, 38852), (700, 38813), (759, 38666), (801, 38561), (805, 38549), (806, 38546), (822, 38489), (829, 38468), (841, 38426), (848, 38396), (863, 38330), (867, 38309), (869, 38303), (872, 38291), (878, 38267), (888, 38237), (891, 38210), (920, 38126), (927, 38108), (929, 38102), (931, 38096), (936, 38081), (939, 38072), (989, 37940), (1003, 37895), (1007, 37871), (1008, 37868), (1038, 37814), (1041, 37796), (1053, 37763), (1060, 37739), (1071, 37718), (1083, 37691),

Gene: Acadian_58 Start: 54470, Stop: 52644, Start Num: 208
Candidate Starts for Acadian_58:
(Start: 208 @54470 has 32 MA's), (280, 54416), (321, 54356), (390, 54245), (418, 54197), (464, 54095), (487, 54053), (498, 54017), (511, 53987), (590, 53894), (594, 53882), (603, 53858), (609, 53846), (620, 53828), (658, 53765), (671, 53741), (725, 53636), (797, 53447), (800, 53429), (806, 53411), (814, 53381), (820, 53354), (854, 53246), (856, 53240), (859, 53231), (863, 53210), (893, 53147), (905, 53114), (910, 53099), (933, 53039), (939, 53021), (944, 53009), (950, 52988), (953, 52979), (955, 52976), (1007, 52859), (1021, 52835), (1039, 52796), (1041, 52781), (1042, 52778), (1050, 52754), (1054, 52742), (1055, 52739), (1075, 52691), (1084, 52670),

Gene: AceofSpades_46 Start: 30731, Stop: 32593, Start Num: 254
Candidate Starts for AceofSpades_46:
(175, 30632), (186, 30650), (Start: 254 @30731 has 935 MA's), (Start: 288 @30779 has 1 MA's), (426, 30998), (470, 31094), (587, 31301), (599, 31340), (647, 31430), (681, 31490), (708, 31535), (732, 31583), (769, 31667), (819, 31841), (830, 31871), (853, 31958), (855, 31964), (903, 32087), (905, 32096), (943, 32198), (1007, 32354), (1021, 32378), (1060, 32489),

Gene: Achebe_43 Start: 31519, Stop: 29690, Start Num: 254
Candidate Starts for Achebe_43:
(Start: 254 @31519 has 935 MA's), (289, 31468), (305, 31438), (413, 31276), (421, 31258), (426, 31243), (449, 31186), (455, 31177), (505, 31057), (514, 31033), (562, 30991), (591, 30940), (611,

30892), (626, 30871), (647, 30832), (675, 30787), (678, 30781), (719, 30700), (732, 30679), (755, 30634), (815, 30469), (819, 30448), (862, 30295), (875, 30256), (905, 30184), (910, 30169), (920, 30145), (927, 30127), (929, 30121), (931, 30115), (1007, 29914), (1060, 29779), (1065, 29767), (1071, 29758),

Gene: Acme_47 Start: 34868, Stop: 33042, Start Num: 254
Candidate Starts for Acme_47:
(Start: 254 @34868 has 935 MA's), (391, 34655), (400, 34640), (426, 34592), (436, 34562), (443, 34541), (449, 34535), (455, 34526), (504, 34409), (514, 34382), (591, 34289), (596, 34274), (609, 34241), (639, 34190), (641, 34187), (680, 34121), (701, 34091), (711, 34061), (734, 34016), (755, 33977), (819, 33797), (830, 33767), (834, 33749), (847, 33710), (862, 33644), (904, 33563), (905, 33560), (935, 33479), (1003, 33329), (1004, 33326), (1012, 33290), (1029, 33266), (1034, 33257), (1038, 33245), (1060, 33170), (1071, 33149),

Gene: Acolyte_41 Start: 30968, Stop: 29181, Start Num: 254
Candidate Starts for Acolyte_41:
(Start: 254 @30968 has 935 MA's), (388, 30761), (391, 30755), (402, 30740), (413, 30725), (426, 30692), (427, 30689), (436, 30662), (449, 30635), (514, 30482), (591, 30389), (594, 30380), (609, 30341), (618, 30332), (626, 30317), (666, 30251), (688, 30206), (708, 30170), (732, 30122), (819, 29897), (830, 29867), (836, 29846), (862, 29744), (899, 29684), (904, 29663), (910, 29645), (985, 29465), (1003, 29429), (1007, 29405), (1037, 29348), (1060, 29270), (1065, 29258), (1071, 29249),

Gene: Acosta_40 Start: 29335, Stop: 27470, Start Num: 339
Candidate Starts for Acosta_40:
(Start: 275 @29422 has 3 MA's), (Start: 277 @29419 has 1 MA's), (Start: 339 @29335 has 121 MA's), (Start: 342 @29326 has 5 MA's), (472, 29059), (476, 29047), (478, 29041), (588, 28759), (591, 28747), (601, 28717), (612, 28702), (634, 28696), (639, 28684), (725, 28528), (731, 28513), (749, 28468), (855, 28153), (862, 28123), (876, 28081), (912, 27994), (925, 27949), (970, 27835), (985, 27796), (1004, 27736), (1007, 27712), (1008, 27709), (1009, 27706), (1025, 27673), (1039, 27640), (1040, 27628),

Gene: Adahisdi_44 Start: 34346, Stop: 32520, Start Num: 254
Candidate Starts for Adahisdi_44:
(Start: 254 @34346 has 935 MA's), (391, 34133), (400, 34118), (436, 34040), (443, 34019), (449, 34013), (455, 34004), (504, 33887), (514, 33860), (591, 33767), (596, 33752), (639, 33668), (641, 33665), (680, 33599), (701, 33569), (711, 33539), (734, 33494), (755, 33455), (819, 33275), (830, 33245), (834, 33227), (836, 33224), (847, 33188), (862, 33122), (904, 33041), (905, 33038), (935, 32957), (1003, 32807), (1004, 32804), (1012, 32768), (1029, 32744), (1034, 32735), (1038, 32723), (1043, 32696), (1060, 32648), (1071, 32627),

Gene: Adat_36 Start: 31889, Stop: 30144, Start Num: 285
Candidate Starts for Adat_36:
(267, 31916), (Start: 285 @31889 has 6 MA's), (287, 31886), (Start: 304 @31853 has 2 MA's), (308, 31847), (361, 31754), (383, 31721), (401, 31694), (465, 31559), (558, 31430), (561, 31424), (578, 31400), (585, 31385), (594, 31358), (605, 31328), (650, 31247), (656, 31238), (684, 31178), (698, 31157), (761, 31043), (768, 31025), (875, 30647), (885, 30629), (921, 30563), (927, 30548), (1012, 30329), (1035, 30287), (1060, 30203), (1074, 30170),

Gene: Adolin_40 Start: 27791, Stop: 29701, Start Num: 254
Candidate Starts for Adolin_40:
(Start: 254 @27791 has 935 MA's), (Start: 288 @27839 has 1 MA's), (436, 28088), (479, 28178), (593, 28430), (596, 28439), (647, 28538), (657, 28553), (697, 28622), (732, 28691), (788, 28829), (819, 28949), (830, 28979), (841, 29012), (847, 29036), (862, 29102), (918, 29237), (929, 29267), (1003,

29438), (1018, 29480), (1035, 29513), (1060, 29597), (1064, 29606), (1071, 29618),

Gene: Adriana_62 Start: 55113, Stop: 53254, Start Num: 215
Candidate Starts for Adriana_62:
(Start: 198 @55137 has 1 MA's), (Start: 215 @55113 has 328 MA's), (Start: 245 @55089 has 14 MA's), (Start: 258 @55083 has 2 MA's), (Start: 288 @55041 has 1 MA's), (300, 55020), (360, 54906), (363, 54900), (382, 54870), (418, 54810), (425, 54789), (442, 54735), (454, 54723), (464, 54705), (469, 54693), (511, 54588), (567, 54531), (590, 54495), (594, 54483), (605, 54456), (609, 54447), (630, 54411), (666, 54354), (670, 54345), (671, 54342), (673, 54339), (813, 53982), (820, 53949), (827, 53928), (856, 53835), (859, 53826), (881, 53763), (904, 53727), (905, 53724), (910, 53709), (939, 53631), (944, 53619), (950, 53598), (970, 53559), (1007, 53469), (1018, 53451), (1021, 53445), (1029, 53430), (1039, 53406), (1041, 53391), (1042, 53388), (1044, 53376), (1054, 53352), (1073, 53304), (1084, 53280),

Gene: Adumb2043_38 Start: 28808, Stop: 30673, Start Num: 254
Candidate Starts for Adumb2043_38:
(Start: 254 @28808 has 935 MA's), (Start: 288 @28856 has 1 MA's), (386, 29012), (426, 29075), (443, 29126), (479, 29195), (593, 29402), (641, 29501), (647, 29510), (657, 29525), (666, 29537), (681, 29570), (732, 29663), (759, 29720), (788, 29801), (819, 29921), (830, 29951), (847, 30008), (860, 30065), (862, 30074), (903, 30167), (929, 30239), (932, 30248), (971, 30347), (1003, 30410), (1053, 30545), (1060, 30569), (1064, 30578), (1099, 30656),

Gene: Adzzy_46 Start: 30091, Stop: 28304, Start Num: 254
Candidate Starts for Adzzy_46:
(Start: 254 @30091 has 935 MA's), (386, 29887), (391, 29878), (426, 29815), (427, 29812), (436, 29785), (449, 29758), (463, 29737), (514, 29605), (591, 29512), (609, 29464), (666, 29374), (690, 29326), (819, 29020), (846, 28936), (847, 28933), (855, 28897), (862, 28867), (875, 28828), (899, 28807), (904, 28786), (946, 28669), (956, 28642), (975, 28606), (985, 28588), (1003, 28552), (1007, 28528), (1060, 28393), (1065, 28381), (1071, 28372),

Gene: Aelin_60 Start: 54050, Stop: 52191, Start Num: 215
Candidate Starts for Aelin_60:
(Start: 198 @54074 has 1 MA's), (Start: 215 @54050 has 328 MA's), (Start: 245 @54026 has 14 MA's), (Start: 258 @54020 has 2 MA's), (Start: 288 @53978 has 1 MA's), (300, 53957), (360, 53843), (363, 53837), (382, 53807), (418, 53747), (425, 53726), (442, 53672), (454, 53660), (464, 53642), (469, 53630), (511, 53525), (567, 53468), (590, 53432), (594, 53420), (603, 53396), (609, 53384), (620, 53366), (630, 53348), (641, 53330), (666, 53291), (670, 53282), (671, 53279), (673, 53276), (813, 52919), (820, 52886), (827, 52865), (856, 52772), (859, 52763), (881, 52700), (904, 52664), (905, 52661), (910, 52646), (939, 52568), (944, 52556), (950, 52535), (970, 52496), (1007, 52406), (1018, 52388), (1021, 52382), (1029, 52367), (1039, 52343), (1041, 52328), (1042, 52325), (1044, 52313), (1054, 52289), (1073, 52241), (1084, 52217),

Gene: Aeneas_47 Start: 34971, Stop: 33184, Start Num: 254
Candidate Starts for Aeneas_47:
(Start: 254 @34971 has 935 MA's), (391, 34758), (400, 34743), (436, 34665), (443, 34644), (449, 34638), (455, 34629), (491, 34545), (504, 34512), (514, 34485), (591, 34392), (596, 34377), (603, 34356), (609, 34344), (639, 34293), (641, 34290), (680, 34224), (701, 34194), (711, 34164), (734, 34119), (755, 34080), (819, 33900), (834, 33852), (847, 33813), (862, 33747), (902, 33675), (904, 33666), (935, 33582), (971, 33495), (1029, 33369), (1035, 33357), (1053, 33297), (1060, 33273), (1063, 33267),

Gene: Agaliana_41 Start: 31606, Stop: 29780, Start Num: 254
Candidate Starts for Agaliana_41:

(Start: 254 @31606 has 935 MA's), (391, 31393), (400, 31378), (436, 31300), (443, 31279), (449, 31273), (455, 31264), (504, 31147), (514, 31120), (591, 31027), (596, 31012), (609, 30979), (639, 30928), (641, 30925), (680, 30859), (701, 30829), (711, 30799), (734, 30754), (755, 30715), (819, 30535), (834, 30487), (847, 30448), (862, 30382), (904, 30301), (905, 30298), (935, 30217), (997, 30082), (1003, 30067), (1004, 30064), (1012, 30028), (1029, 30004), (1034, 29995), (1038, 29983), (1043, 29956), (1060, 29908), (1071, 29887),

Gene: Agamotto_41 Start: 31745, Stop: 29967, Start Num: 245
Candidate Starts for Agamotto_41:
(76, 32078), (128, 31937), (132, 31928), (Start: 245 @31745 has 14 MA's), (300, 31667), (328, 31625), (356, 31577), (438, 31433), (467, 31385), (474, 31367), (509, 31298), (517, 31274), (562, 31244), (591, 31205), (632, 31124), (647, 31097), (657, 31082), (692, 31019), (721, 30962), (736, 30932), (755, 30896), (759, 30884), (774, 30860), (815, 30746), (819, 30725), (822, 30719), (835, 30674), (851, 30623), (856, 30599), (862, 30572), (875, 30533), (931, 30392), (932, 30389), (948, 30341), (956, 30320), (979, 30266), (984, 30251), (1008, 30185), (1026, 30155), (1037, 30128), (1041, 30107), (1042, 30104), (1045, 30086), (1054, 30071), (1093, 29978),

Gene: Agape74_46 Start: 31661, Stop: 29874, Start Num: 254
Candidate Starts for Agape74_46:
(Start: 178 @31748 has 1 MA's), (Start: 254 @31661 has 935 MA's), (388, 31454), (391, 31448), (402, 31433), (413, 31418), (427, 31382), (436, 31355), (449, 31328), (463, 31307), (514, 31175), (591, 31082), (609, 31034), (618, 31025), (626, 31010), (666, 30944), (708, 30863), (732, 30815), (734, 30809), (767, 30746), (819, 30590), (836, 30539), (846, 30506), (847, 30503), (862, 30437), (875, 30398), (899, 30377), (925, 30302), (929, 30290), (946, 30239), (975, 30176), (985, 30158), (1003, 30122), (1007, 30098), (1041, 30020), (1060, 29963), (1065, 29951), (1071, 29942),

Gene: Agatha_43 Start: 32554, Stop: 30161, Start Num: 45
Candidate Starts for Agatha_43:
(Start: 45 @32554 has 21 MA's), (59, 32548), (Start: 75 @32500 has 1 MA's), (93, 32458), (103, 32434), (152, 32308), (165, 32284), (213, 32239), (247, 32188), (260, 32173), (Start: 277 @32152 has 1 MA's), (307, 32104), (326, 32071), (333, 32062), (367, 31987), (373, 31975), (417, 31906), (427, 31879), (429, 31873), (434, 31858), (459, 31804), (461, 31801), (469, 31783), (476, 31762), (497, 31702), (537, 31579), (539, 31573), (569, 31504), (591, 31462), (668, 31375), (684, 31351), (706, 31345), (716, 31321), (720, 31312), (727, 31297), (733, 31285), (753, 31243), (754, 31240), (755, 31237), (774, 31201), (807, 31090), (825, 31021), (827, 31015), (841, 30979), (853, 30922), (862, 30886), (874, 30850), (876, 30844), (880, 30838), (883, 30832), (905, 30775), (912, 30751), (925, 30706), (1058, 30325), (1072, 30280), (1076, 30271), (1101, 30211), (1108, 30193),

Gene: AgentM_37 Start: 30104, Stop: 28245, Start Num: 254
Candidate Starts for AgentM_37:
(Start: 254 @30104 has 935 MA's), (289, 30053), (334, 29993), (371, 29930), (386, 29900), (388, 29897), (422, 29840), (426, 29828), (436, 29798), (449, 29771), (494, 29669), (501, 29654), (514, 29618), (571, 29558), (591, 29522), (609, 29474), (659, 29390), (666, 29384), (706, 29312), (719, 29279), (727, 29264), (734, 29252), (783, 29153), (819, 29018), (830, 28988), (834, 28970), (843, 28952), (847, 28931), (850, 28922), (862, 28865), (875, 28826), (904, 28784), (910, 28766), (929, 28718), (946, 28667), (971, 28613), (975, 28604), (985, 28586), (1007, 28526), (1018, 28508), (1053, 28415), (1060, 28391), (1065, 28379), (1116, 28262), (1118, 28259),

Gene: Agente005_39 Start: 29167, Stop: 27299, Start Num: 339
Candidate Starts for Agente005_39:
(216, 29332), (Start: 246 @29287 has 3 MA's), (283, 29242), (Start: 339 @29167 has 121 MA's), (Start: 342 @29158 has 5 MA's), (469, 28900), (471, 28894), (476, 28879), (478, 28873), (540, 28687), (582, 28600), (588, 28591), (591, 28579), (600, 28552), (601, 28549), (612, 28534), (634, 28528),

(639, 28516), (654, 28492), (789, 28198), (855, 27985), (858, 27976), (862, 27955), (876, 27913), (912, 27823), (925, 27778), (970, 27664), (982, 27634), (1004, 27565), (1007, 27541), (1025, 27502), (1040, 27457),

Gene: Aglet_49 Start: 31854, Stop: 30040, Start Num: 254
Candidate Starts for Aglet_49:
(Start: 254 @31854 has 935 MA's), (284, 31815), (289, 31803), (386, 31650), (395, 31635), (426, 31578), (449, 31521), (455, 31512), (474, 31470), (494, 31419), (514, 31368), (591, 31275), (609, 31227), (618, 31218), (626, 31203), (647, 31164), (666, 31137), (680, 31107), (727, 31014), (758, 30954), (767, 30939), (819, 30783), (847, 30696), (859, 30648), (862, 30630), (875, 30591), (905, 30519), (920, 30480), (929, 30456), (935, 30438), (946, 30405), (956, 30378), (985, 30324), (1007, 30264), (1041, 30186), (1060, 30129), (1065, 30117), (1071, 30108),

Gene: AgronaGT15_47 Start: 31705, Stop: 29891, Start Num: 254
Candidate Starts for AgronaGT15_47:
(Start: 254 @31705 has 935 MA's), (284, 31666), (289, 31654), (386, 31501), (395, 31486), (426, 31429), (449, 31372), (455, 31363), (474, 31321), (494, 31270), (514, 31219), (568, 31165), (591, 31126), (609, 31078), (626, 31054), (647, 31015), (666, 30988), (680, 30958), (727, 30865), (734, 30853), (758, 30805), (767, 30790), (819, 30634), (836, 30583), (846, 30550), (847, 30547), (862, 30481), (875, 30442), (905, 30370), (920, 30331), (929, 30307), (935, 30289), (946, 30256), (1007, 30115), (1043, 30028), (1060, 29980), (1065, 29968), (1071, 29959), (1073, 29956),

Gene: Ahwei_52 Start: 52985, Stop: 51162, Start Num: 208
Candidate Starts for Ahwei_52:
(Start: 190 @53003 has 4 MA's), (Start: 208 @52985 has 32 MA's), (Start: 258 @52961 has 2 MA's), (280, 52934), (Start: 288 @52919 has 1 MA's), (300, 52898), (353, 52811), (415, 52706), (430, 52664), (464, 52598), (477, 52568), (481, 52559), (487, 52556), (489, 52553), (496, 52526), (567, 52433), (582, 52415), (590, 52397), (594, 52385), (599, 52370), (605, 52358), (670, 52247), (671, 52244), (684, 52214), (706, 52178), (796, 51953), (797, 51950), (806, 51914), (813, 51890), (820, 51857), (854, 51749), (856, 51743), (858, 51737), (859, 51734), (904, 51635), (905, 51632), (910, 51617), (939, 51539), (944, 51527), (950, 51506), (953, 51497), (970, 51467), (983, 51443), (1000, 51410), (1007, 51377), (1018, 51359), (1021, 51353), (1039, 51314), (1042, 51296), (1044, 51284), (1054, 51260), (1070, 51218), (1073, 51212), (1084, 51188),

Gene: AikoCarson_44 Start: 32796, Stop: 30409, Start Num: 57
Candidate Starts for AikoCarson_44:
(20, 32943), (25, 32901), (31, 32868), (33, 32853), (Start: 57 @32796 has 26 MA's), (61, 32787), (63, 32781), (93, 32700), (127, 32604), (139, 32580), (152, 32553), (165, 32529), (Start: 277 @32397 has 1 MA's), (294, 32370), (303, 32355), (333, 32307), (346, 32277), (367, 32232), (373, 32220), (417, 32154), (434, 32106), (459, 32052), (469, 32031), (476, 32010), (483, 31995), (497, 31950), (537, 31827), (562, 31767), (569, 31752), (591, 31710), (668, 31623), (684, 31599), (706, 31593), (716, 31569), (720, 31560), (753, 31491), (754, 31488), (755, 31485), (793, 31389), (807, 31338), (825, 31269), (827, 31263), (862, 31134), (874, 31098), (876, 31092), (880, 31086), (883, 31080), (897, 31056), (905, 31023), (912, 30999), (925, 30954), (1004, 30741), (1006, 30720), (1012, 30702), (1013, 30699), (1058, 30573), (1072, 30528), (1076, 30519),

Gene: AinMach_42 Start: 30094, Stop: 31947, Start Num: 254
Candidate Starts for AinMach_42:
(Start: 254 @30094 has 935 MA's), (338, 30211), (352, 30238), (371, 30268), (436, 30391), (443, 30412), (647, 30775), (657, 30790), (732, 30928), (762, 30991), (769, 31012), (819, 31186), (830, 31216), (836, 31237), (847, 31273), (853, 31303), (862, 31339), (903, 31432), (970, 31609), (985, 31639), (1003, 31675), (1007, 31699), (1039, 31762), (1060, 31834), (1075, 31861), (1102, 31930),

Gene: Airmid_39 Start: 30159, Stop: 28294, Start Num: 254
Candidate Starts for Airmid_39:
(Start: 254 @30159 has 935 MA's), (334, 30048), (386, 29955), (388, 29952), (426, 29883), (436, 29853), (449, 29826), (455, 29817), (494, 29724), (501, 29709), (514, 29673), (571, 29613), (591, 29577), (606, 29532), (609, 29529), (626, 29505), (659, 29445), (706, 29367), (727, 29319), (734, 29307), (758, 29259), (783, 29208), (819, 29073), (830, 29043), (834, 29025), (847, 28986), (850, 28977), (856, 28947), (862, 28920), (863, 28917), (899, 28860), (904, 28839), (929, 28773), (946, 28722), (971, 28668), (975, 28659), (985, 28641), (1018, 28563), (1053, 28470), (1060, 28446), (1065, 28434), (1111, 28329),

Gene: Ajay_45 Start: 34664, Stop: 32835, Start Num: 254
Candidate Starts for Ajay_45:
(Start: 254 @34664 has 935 MA's), (391, 34451), (426, 34388), (436, 34358), (443, 34337), (449, 34331), (455, 34322), (504, 34205), (514, 34178), (591, 34085), (596, 34070), (609, 34037), (639, 33986), (641, 33983), (680, 33917), (701, 33887), (711, 33857), (734, 33812), (755, 33773), (819, 33593), (834, 33545), (850, 33497), (859, 33458), (862, 33440), (875, 33401), (899, 33380), (904, 33359), (909, 33344), (953, 33221), (1035, 33050), (1040, 33026), (1057, 32978), (1060, 32966), (1071, 32945), (1075, 32939), (1094, 32891), (1101, 32876),

Gene: Akino08_43 Start: 31514, Stop: 33388, Start Num: 241
Candidate Starts for Akino08_43:
(Start: 241 @31514 has 65 MA's), (Start: 299 @31583 has 1 MA's), (315, 31604), (426, 31784), (455, 31850), (464, 31865), (474, 31892), (647, 32186), (766, 32420), (803, 32540), (804, 32543), (819, 32603), (822, 32609), (836, 32654), (843, 32669), (845, 32684), (853, 32720), (862, 32756), (903, 32849), (925, 32909), (936, 32942), (967, 33020), (969, 33023), (1003, 33092), (1007, 33116), (1012, 33131), (1037, 33173), (1040, 33191), (1060, 33251), (1071, 33272),

Gene: Akoma_58 Start: 53685, Stop: 51868, Start Num: 256
Candidate Starts for Akoma_58:
(137, 53868), (Start: 256 @53685 has 51 MA's), (280, 53655), (391, 53475), (437, 53370), (463, 53322), (467, 53310), (481, 53280), (489, 53274), (511, 53211), (513, 53205), (567, 53154), (590, 53118), (609, 53070), (671, 52965), (718, 52869), (747, 52818), (796, 52674), (806, 52635), (814, 52605), (820, 52578), (824, 52566), (854, 52470), (856, 52464), (859, 52455), (861, 52443), (893, 52371), (904, 52341), (910, 52323), (915, 52314), (939, 52245), (944, 52233), (950, 52212), (985, 52143), (996, 52128), (1004, 52104), (1007, 52083), (1018, 52065), (1021, 52059), (1037, 52026), (1039, 52020), (1042, 52002), (1044, 51990), (1050, 51978), (1054, 51966), (1070, 51924), (1084, 51894),

Gene: AksarBAT_53 Start: 47165, Stop: 45357, Start Num: 251
Candidate Starts for AksarBAT_53:
(Start: 251 @47165 has 15 MA's), (Start: 258 @47156 has 2 MA's), (287, 47117), (Start: 288 @47114 has 1 MA's), (300, 47093), (305, 47084), (328, 47048), (360, 46988), (388, 46946), (413, 46904), (463, 46796), (469, 46781), (477, 46763), (489, 46748), (511, 46685), (567, 46628), (590, 46592), (594, 46580), (658, 46463), (666, 46451), (671, 46439), (679, 46421), (681, 46415), (796, 46148), (797, 46145), (814, 46079), (820, 46052), (844, 45995), (854, 45944), (856, 45938), (859, 45929), (881, 45866), (905, 45827), (910, 45812), (939, 45734), (944, 45722), (950, 45701), (953, 45692), (970, 45662), (1000, 45605), (1039, 45509), (1042, 45491), (1054, 45455), (1073, 45407), (1084, 45383), (1091, 45362),

Gene: Alakazam_38 Start: 28696, Stop: 26795, Start Num: 337
Candidate Starts for Alakazam_38:
(Start: 337 @28696 has 44 MA's), (381, 28597), (387, 28591), (419, 28540), (420, 28537), (438, 28486), (441, 28483), (477, 28405), (511, 28312), (544, 28201), (554, 28180), (582, 28126), (587,

28120), (588, 28117), (591, 28105), (601, 28075), (634, 28054), (639, 28042), (641, 28039), (654, 28018), (731, 27871), (773, 27772), (791, 27715), (862, 27448), (874, 27412), (876, 27406), (884, 27391), (910, 27328), (912, 27319), (985, 27121), (1007, 27037), (1008, 27034), (1011, 27025), (1025, 26998),

Gene: AlanGrant_57 Start: 55116, Stop: 53290, Start Num: 208
Candidate Starts for AlanGrant_57:
(Start: 208 @55116 has 32 MA's), (Start: 239 @55098 has 1 MA's), (Start: 288 @55047 has 1 MA's), (300, 55026), (382, 54888), (415, 54834), (433, 54780), (464, 54726), (477, 54696), (487, 54684), (489, 54681), (567, 54561), (590, 54525), (594, 54513), (605, 54486), (666, 54384), (671, 54372), (688, 54336), (706, 54306), (719, 54273), (747, 54225), (814, 54012), (820, 53985), (854, 53877), (856, 53871), (859, 53862), (861, 53850), (879, 53799), (902, 53772), (904, 53763), (905, 53760), (906, 53757), (910, 53745), (939, 53667), (944, 53655), (950, 53634), (953, 53625), (958, 53616), (1007, 53505), (1018, 53487), (1021, 53481), (1039, 53442), (1041, 53427), (1044, 53412), (1050, 53400), (1054, 53388), (1073, 53340), (1084, 53316),

Gene: Alatin_36 Start: 28180, Stop: 26396, Start Num: 254
Candidate Starts for Alatin_36:
(Start: 254 @28180 has 935 MA's), (407, 27946), (422, 27916), (425, 27907), (426, 27904), (441, 27859), (449, 27847), (474, 27796), (514, 27694), (548, 27673), (591, 27601), (606, 27556), (609, 27553), (636, 27511), (638, 27505), (647, 27490), (666, 27463), (719, 27358), (725, 27349), (734, 27331), (735, 27328), (755, 27292), (819, 27112), (834, 27064), (862, 26959), (863, 26956), (899, 26899), (904, 26878), (948, 26755), (985, 26680), (1003, 26644), (1007, 26620), (1041, 26542), (1060, 26485), (1065, 26473), (1085, 26434), (1091, 26416),

Gene: Albedo_43 Start: 29891, Stop: 31765, Start Num: 241
Candidate Starts for Albedo_43:
(Start: 238 @29888 has 7 MA's), (Start: 241 @29891 has 65 MA's), (Start: 299 @29960 has 1 MA's), (315, 29981), (455, 30227), (474, 30269), (602, 30482), (647, 30563), (766, 30797), (804, 30920), (819, 30980), (822, 30986), (836, 31031), (843, 31046), (845, 31061), (853, 31097), (862, 31133), (903, 31226), (936, 31319), (967, 31397), (1003, 31469), (1012, 31508), (1037, 31550), (1040, 31568), (1060, 31628), (1071, 31649),

Gene: Albee_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Albee_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Alberto7_46 Start: 31907, Stop: 30081, Start Num: 254
Candidate Starts for Alberto7_46:
(Start: 254 @31907 has 935 MA's), (271, 31886), (289, 31856), (305, 31826), (413, 31664), (421, 31646), (449, 31574), (455, 31565), (505, 31445), (514, 31421), (591, 31328), (611, 31280), (626, 31259), (647, 31220), (719, 31088), (732, 31067), (755, 31022), (759, 31010), (815, 30857), (819, 30836), (855, 30713), (862, 30683), (875, 30644), (904, 30578), (905, 30575), (910, 30560), (920, 30536), (929, 30512), (1007, 30305), (1060, 30170), (1065, 30158), (1071, 30149),

Gene: Albright_40 Start: 28818, Stop: 30692, Start Num: 241
Candidate Starts for Albright_40:
(Start: 238 @28815 has 7 MA's), (Start: 241 @28818 has 65 MA's), (Start: 299 @28887 has 1 MA's), (315, 28908), (455, 29154), (474, 29196), (602, 29409), (647, 29490), (766, 29724), (804, 29847),

(819, 29907), (822, 29913), (836, 29958), (843, 29973), (845, 29988), (853, 30024), (862, 30060), (903, 30153), (936, 30246), (967, 30324), (1003, 30396), (1012, 30435), (1037, 30477), (1040, 30495), (1060, 30555), (1071, 30576),

Gene: Aldrich_45 Start: 35357, Stop: 33531, Start Num: 254
Candidate Starts for Aldrich_45:
(Start: 254 @35357 has 935 MA's), (391, 35144), (400, 35129), (436, 35051), (443, 35030), (449, 35024), (455, 35015), (504, 34898), (514, 34871), (591, 34778), (596, 34763), (639, 34679), (641, 34676), (680, 34610), (711, 34550), (734, 34505), (755, 34466), (819, 34286), (834, 34238), (847, 34199), (862, 34133), (875, 34094), (899, 34073), (904, 34052), (910, 34034), (935, 33968), (1000, 33827), (1003, 33818), (1004, 33815), (1012, 33779), (1029, 33755), (1034, 33746), (1038, 33734), (1060, 33659), (1071, 33638),

Gene: Aleia_63 Start: 54377, Stop: 52518, Start Num: 215
Candidate Starts for Aleia_63:
(Start: 198 @54401 has 1 MA's), (Start: 215 @54377 has 328 MA's), (Start: 245 @54353 has 14 MA's), (Start: 258 @54347 has 2 MA's), (Start: 288 @54305 has 1 MA's), (300, 54284), (360, 54170), (363, 54164), (382, 54134), (418, 54074), (425, 54053), (442, 53999), (454, 53987), (464, 53969), (469, 53957), (511, 53852), (567, 53795), (590, 53759), (594, 53747), (603, 53723), (609, 53711), (620, 53693), (630, 53675), (641, 53657), (666, 53618), (670, 53609), (671, 53606), (673, 53603), (813, 53246), (820, 53213), (827, 53192), (856, 53099), (859, 53090), (881, 53027), (904, 52991), (905, 52988), (910, 52973), (939, 52895), (944, 52883), (950, 52862), (970, 52823), (1007, 52733), (1018, 52715), (1021, 52709), (1029, 52694), (1039, 52670), (1041, 52655), (1042, 52652), (1044, 52640), (1054, 52616), (1073, 52568), (1084, 52544),

Gene: AlexAdler_39 Start: 28925, Stop: 27060, Start Num: 339
Candidate Starts for AlexAdler_39:
(Start: 275 @29012 has 3 MA's), (Start: 339 @28925 has 121 MA's), (Start: 342 @28916 has 5 MA's), (392, 28811), (398, 28802), (418, 28772), (419, 28769), (472, 28649), (476, 28637), (478, 28631), (518, 28526), (525, 28499), (582, 28358), (587, 28352), (588, 28349), (591, 28337), (600, 28310), (601, 28307), (612, 28292), (634, 28286), (637, 28280), (657, 28247), (749, 28058), (855, 27743), (858, 27734), (859, 27731), (862, 27713), (876, 27671), (880, 27665), (895, 27641), (912, 27584), (970, 27425), (982, 27395), (985, 27386), (1004, 27326), (1007, 27302), (1025, 27263), (1039, 27230), (1040, 27218), (1058, 27158),

Gene: Aliter_45 Start: 31411, Stop: 29618, Start Num: 254
Candidate Starts for Aliter_45:
(Start: 254 @31411 has 935 MA's), (261, 31402), (289, 31360), (369, 31240), (371, 31237), (396, 31189), (427, 31129), (437, 31099), (441, 31087), (449, 31075), (514, 30922), (591, 30829), (666, 30691), (680, 30661), (759, 30502), (767, 30490), (785, 30463), (815, 30355), (819, 30334), (859, 30199), (862, 30181), (904, 30100), (920, 30058), (946, 29983), (983, 29908), (1003, 29866), (1041, 29764), (1060, 29707), (1065, 29695), (1071, 29686),

Gene: Allegro_57 Start: 52477, Stop: 50648, Start Num: 215
Candidate Starts for Allegro_57:
(Start: 215 @52477 has 328 MA's), (Start: 258 @52450 has 2 MA's), (Start: 282 @52420 has 7 MA's), (Start: 288 @52408 has 1 MA's), (Start: 304 @52381 has 2 MA's), (305, 52378), (314, 52369), (338, 52351), (388, 52255), (418, 52204), (426, 52180), (433, 52156), (496, 52018), (506, 51994), (511, 51982), (567, 51925), (590, 51889), (594, 51877), (603, 51853), (652, 51769), (670, 51739), (671, 51736), (684, 51706), (753, 51562), (778, 51496), (792, 51457), (796, 51445), (800, 51424), (806, 51406), (820, 51349), (850, 51265), (856, 51235), (859, 51226), (879, 51160), (902, 51133), (904, 51124), (910, 51106), (920, 51082), (939, 51028), (944, 51016), (950, 50995), (985, 50926), (1007, 50866), (1018, 50848), (1035, 50815), (1039, 50803), (1041, 50788), (1042, 50785), (1044, 50773),

(1054, 50749), (1055, 50746), (1073, 50698), (1075, 50695), (1084, 50674), (1091, 50653),

Gene: Alma_45 Start: 31495, Stop: 29702, Start Num: 254
Candidate Starts for Alma_45:
(Start: 254 @31495 has 935 MA's), (261, 31486), (349, 31357), (371, 31321), (386, 31291), (391, 31282), (413, 31249), (426, 31216), (427, 31213), (437, 31183), (441, 31171), (449, 31159), (514, 31006), (591, 30913), (666, 30775), (680, 30745), (759, 30586), (767, 30574), (785, 30547), (815, 30439), (819, 30418), (859, 30283), (862, 30265), (904, 30184), (946, 30067), (953, 30046), (983, 29992), (1003, 29950), (1007, 29926), (1041, 29848), (1060, 29791), (1065, 29779), (1071, 29770),

Gene: Alone3_143 Start: 75999, Stop: 78035, Start Num: 282
Candidate Starts for Alone3_143:
(Start: 282 @75999 has 7 MA's), (325, 76065), (345, 76089), (369, 76140), (371, 76143), (376, 76155), (391, 76188), (428, 76257), (484, 76392), (495, 76428), (557, 76548), (583, 76602), (586, 76605), (602, 76656), (606, 76668), (647, 76737), (659, 76758), (685, 76806), (691, 76815), (821, 77193), (849, 77310), (852, 77328), (881, 77424), (901, 77460), (924, 77529), (927, 77538), (929, 77544), (979, 77682), (984, 77697), (989, 77712), (1012, 77796), (1013, 77799), (1039, 77871), (1060, 77943), (1080, 77997), (1082, 78003),

Gene: Alpacados_35 Start: 28085, Stop: 26301, Start Num: 254
Candidate Starts for Alpacados_35:
(Start: 254 @28085 has 935 MA's), (369, 27914), (407, 27851), (422, 27821), (425, 27812), (426, 27809), (441, 27764), (449, 27752), (455, 27743), (474, 27701), (514, 27599), (548, 27578), (591, 27506), (606, 27461), (609, 27458), (636, 27416), (638, 27410), (647, 27395), (666, 27368), (719, 27263), (734, 27236), (755, 27197), (819, 27017), (834, 26969), (862, 26864), (863, 26861), (899, 26804), (904, 26783), (920, 26741), (923, 26735), (948, 26660), (983, 26591), (1003, 26549), (1007, 26525), (1041, 26447), (1060, 26390), (1065, 26378), (1091, 26321),

Gene: Alsfro_48 Start: 34937, Stop: 33111, Start Num: 254
Candidate Starts for Alsfro_48:
(Start: 254 @34937 has 935 MA's), (391, 34724), (400, 34709), (436, 34631), (443, 34610), (449, 34604), (455, 34595), (504, 34478), (514, 34451), (591, 34358), (596, 34343), (609, 34310), (639, 34259), (641, 34256), (680, 34190), (711, 34130), (734, 34085), (755, 34046), (819, 33866), (834, 33818), (847, 33779), (862, 33713), (875, 33674), (899, 33653), (904, 33632), (910, 33614), (935, 33548), (1003, 33398), (1004, 33395), (1012, 33359), (1029, 33335), (1034, 33326), (1038, 33314), (1060, 33239), (1071, 33218),

Gene: AltPhacts_60 Start: 53599, Stop: 51740, Start Num: 215
Candidate Starts for AltPhacts_60:
(Start: 198 @53623 has 1 MA's), (Start: 215 @53599 has 328 MA's), (Start: 245 @53575 has 14 MA's), (Start: 258 @53569 has 2 MA's), (280, 53542), (Start: 288 @53527 has 1 MA's), (300, 53506), (360, 53392), (363, 53386), (382, 53356), (418, 53296), (425, 53275), (442, 53221), (454, 53209), (464, 53191), (469, 53179), (511, 53074), (567, 53017), (590, 52981), (594, 52969), (603, 52945), (609, 52933), (630, 52897), (666, 52840), (670, 52831), (671, 52828), (673, 52825), (813, 52468), (820, 52435), (827, 52414), (856, 52321), (859, 52312), (881, 52249), (904, 52213), (905, 52210), (910, 52195), (939, 52117), (944, 52105), (950, 52084), (970, 52045), (1007, 51955), (1018, 51937), (1021, 51931), (1029, 51916), (1039, 51892), (1041, 51877), (1042, 51874), (1044, 51862), (1054, 51838), (1073, 51790), (1084, 51766),

Gene: Altman_46 Start: 35175, Stop: 33349, Start Num: 254
Candidate Starts for Altman_46:
(Start: 254 @35175 has 935 MA's), (391, 34962), (426, 34899), (436, 34869), (443, 34848), (449, 34842), (455, 34833), (504, 34716), (514, 34689), (591, 34596), (596, 34581), (639, 34497), (641,

34494), (680, 34428), (701, 34398), (711, 34368), (734, 34323), (755, 34284), (819, 34104), (834, 34056), (847, 34017), (862, 33951), (875, 33912), (899, 33891), (904, 33870), (910, 33852), (935, 33786), (1003, 33636), (1004, 33633), (1012, 33597), (1029, 33573), (1034, 33564), (1038, 33552), (1060, 33477), (1071, 33456),

Gene: Altwerkus_58 Start: 53696, Stop: 51837, Start Num: 215
Candidate Starts for Altwerkus_58:
(Start: 198 @53720 has 1 MA's), (Start: 215 @53696 has 328 MA's), (Start: 245 @53672 has 14 MA's), (Start: 258 @53666 has 2 MA's), (Start: 288 @53624 has 1 MA's), (300, 53603), (360, 53489), (363, 53483), (382, 53453), (418, 53393), (425, 53372), (442, 53318), (454, 53306), (464, 53288), (469, 53276), (511, 53171), (567, 53114), (590, 53078), (594, 53066), (605, 53039), (620, 53012), (630, 52994), (641, 52976), (666, 52937), (670, 52928), (671, 52925), (783, 52667), (813, 52565), (820, 52532), (827, 52511), (856, 52418), (859, 52409), (881, 52346), (904, 52310), (905, 52307), (910, 52292), (939, 52214), (944, 52202), (950, 52181), (970, 52142), (1007, 52052), (1018, 52034), (1021, 52028), (1029, 52013), (1039, 51989), (1041, 51974), (1042, 51971), (1044, 51959), (1054, 51935), (1073, 51887), (1084, 51863),

Gene: Alvin_44 Start: 35187, Stop: 33358, Start Num: 254
Candidate Starts for Alvin_44:
(Start: 254 @35187 has 935 MA's), (369, 35016), (391, 34974), (400, 34959), (426, 34911), (436, 34881), (443, 34860), (449, 34854), (455, 34845), (504, 34728), (514, 34701), (591, 34608), (596, 34593), (639, 34509), (641, 34506), (680, 34440), (701, 34410), (711, 34380), (734, 34335), (755, 34296), (819, 34116), (834, 34068), (850, 34020), (859, 33981), (862, 33963), (875, 33924), (899, 33903), (904, 33882), (909, 33867), (953, 33744), (971, 33711), (1035, 33573), (1040, 33549), (1057, 33501), (1060, 33489), (1071, 33468), (1075, 33462), (1094, 33414), (1101, 33399),

Gene: Alyxandracam_39 Start: 28935, Stop: 27070, Start Num: 339
Candidate Starts for Alyxandracam_39:
(Start: 275 @29022 has 3 MA's), (Start: 277 @29019 has 1 MA's), (Start: 339 @28935 has 121 MA's), (Start: 342 @28926 has 5 MA's), (392, 28821), (398, 28812), (418, 28782), (419, 28779), (471, 28662), (476, 28647), (478, 28641), (518, 28536), (525, 28509), (582, 28368), (588, 28359), (591, 28347), (600, 28320), (601, 28317), (612, 28302), (634, 28296), (637, 28290), (657, 28257), (749, 28068), (855, 27753), (858, 27744), (859, 27741), (862, 27723), (876, 27681), (880, 27675), (895, 27651), (912, 27594), (970, 27435), (982, 27405), (985, 27396), (1004, 27336), (1007, 27312), (1025, 27273), (1039, 27240), (1040, 27228), (1058, 27168),

Gene: Amavida_56 Start: 36664, Stop: 34496, Start Num: 218
Candidate Starts for Amavida_56:
(Start: 215 @36667 has 328 MA's), (Start: 218 @36664 has 14 MA's), (Start: 256 @36610 has 51 MA's), (309, 36526), (389, 36373), (394, 36364), (420, 36319), (447, 36241), (451, 36232), (460, 36217), (466, 36202), (468, 36199), (491, 36142), (523, 36049), (538, 36007), (625, 35812), (630, 35800), (634, 35794), (647, 35770), (659, 35749), (671, 35728), (679, 35713), (681, 35707), (713, 35644), (735, 35593), (763, 35506), (785, 35446), (798, 35398), (828, 35296), (830, 35290), (838, 35263), (839, 35260), (846, 35239), (856, 35197), (858, 35191), (863, 35167), (876, 35125), (877, 35122), (888, 35095), (901, 35062), (903, 35050), (916, 35014), (925, 34990), (927, 34984), (929, 34978), (947, 34924), (970, 34876), (971, 34873), (996, 34813), (1003, 34789), (1009, 34759), (1036, 34705), (1039, 34696), (1057, 34636), (1060, 34624), (1076, 34585),

Gene: Amigo_55 Start: 36879, Stop: 34711, Start Num: 218
Candidate Starts for Amigo_55:
(Start: 215 @36882 has 328 MA's), (Start: 218 @36879 has 14 MA's), (Start: 256 @36825 has 51 MA's), (309, 36741), (389, 36588), (394, 36579), (420, 36534), (447, 36456), (451, 36447), (460, 36432), (466, 36417), (468, 36414), (491, 36357), (523, 36264), (538, 36222), (625, 36027), (630,

36015), (634, 36009), (647, 35985), (659, 35964), (671, 35943), (679, 35928), (681, 35922), (713, 35859), (735, 35808), (763, 35721), (785, 35661), (798, 35613), (828, 35511), (830, 35505), (838, 35478), (839, 35475), (846, 35454), (856, 35412), (858, 35406), (863, 35382), (876, 35340), (877, 35337), (888, 35310), (901, 35277), (903, 35265), (916, 35229), (925, 35205), (927, 35199), (929, 35193), (947, 35139), (970, 35091), (971, 35088), (996, 35028), (1003, 35004), (1009, 34974), (1036, 34920), (1057, 34851), (1060, 34839), (1076, 34800),

Gene: Amok_44 Start: 32820, Stop: 30433, Start Num: 57
Candidate Starts for Amok_44:
(25, 32925), (31, 32892), (33, 32877), (Start: 57 @32820 has 26 MA's), (61, 32811), (63, 32805), (93, 32724), (127, 32628), (139, 32604), (152, 32577), (165, 32553), (Start: 277 @32421 has 1 MA's), (294, 32394), (303, 32379), (333, 32331), (346, 32301), (367, 32256), (373, 32244), (417, 32178), (434, 32130), (459, 32076), (469, 32055), (476, 32034), (483, 32019), (497, 31974), (537, 31851), (562, 31791), (569, 31776), (591, 31734), (668, 31647), (684, 31623), (706, 31617), (716, 31593), (720, 31584), (753, 31515), (754, 31512), (755, 31509), (793, 31413), (807, 31362), (825, 31293), (827, 31287), (862, 31158), (874, 31122), (876, 31116), (880, 31110), (883, 31104), (897, 31080), (905, 31047), (912, 31023), (925, 30978), (1004, 30765), (1006, 30744), (1012, 30726), (1013, 30723), (1058, 30597), (1072, 30552), (1076, 30543),

Gene: Amploria_39 Start: 28991, Stop: 30856, Start Num: 254
Candidate Starts for Amploria_39:
(Start: 254 @28991 has 935 MA's), (Start: 288 @29039 has 1 MA's), (386, 29195), (443, 29309), (479, 29378), (593, 29585), (641, 29684), (647, 29693), (657, 29708), (666, 29720), (681, 29753), (732, 29846), (759, 29903), (788, 29984), (819, 30104), (830, 30134), (847, 30191), (860, 30248), (862, 30257), (903, 30350), (929, 30422), (932, 30431), (971, 30530), (1003, 30593), (1053, 30728), (1060, 30752), (1064, 30761), (1099, 30839),

Gene: Amyev_40 Start: 30363, Stop: 32228, Start Num: 254
Candidate Starts for Amyev_40:
(Start: 188 @30285 has 1 MA's), (Start: 254 @30363 has 935 MA's), (Start: 288 @30411 has 1 MA's), (371, 30537), (386, 30567), (411, 30594), (415, 30600), (436, 30660), (479, 30750), (593, 30957), (596, 30966), (647, 31065), (657, 31080), (732, 31218), (788, 31356), (812, 31443), (819, 31476), (841, 31539), (847, 31563), (860, 31620), (862, 31629), (903, 31722), (929, 31794), (971, 31902), (1003, 31965), (1007, 31989), (1060, 32124), (1064, 32133),

Gene: AnClar_50 Start: 47971, Stop: 46157, Start Num: 245
Candidate Starts for AnClar_50:
(183, 48061), (187, 48055), (Start: 245 @47971 has 14 MA's), (Start: 258 @47962 has 2 MA's), (Start: 288 @47920 has 1 MA's), (360, 47794), (388, 47752), (413, 47710), (437, 47641), (463, 47602), (467, 47590), (469, 47587), (503, 47512), (511, 47491), (590, 47398), (657, 47272), (666, 47257), (671, 47245), (715, 47155), (800, 46933), (820, 46858), (856, 46744), (859, 46735), (881, 46672), (905, 46633), (910, 46618), (939, 46540), (944, 46528), (945, 46522), (950, 46507), (953, 46498), (958, 46489), (1000, 46411), (1007, 46378), (1008, 46375), (1037, 46321), (1039, 46315), (1045, 46279), (1054, 46255), (1084, 46183),

Gene: Anansi_54 Start: 36486, Stop: 34318, Start Num: 218
Candidate Starts for Anansi_54:
(Start: 215 @36489 has 328 MA's), (Start: 218 @36486 has 14 MA's), (Start: 256 @36432 has 51 MA's), (309, 36348), (389, 36195), (394, 36186), (420, 36141), (447, 36063), (451, 36054), (460, 36039), (466, 36024), (468, 36021), (491, 35964), (523, 35871), (538, 35829), (625, 35634), (630, 35622), (634, 35616), (647, 35592), (659, 35571), (671, 35550), (679, 35535), (681, 35529), (713, 35466), (735, 35415), (763, 35328), (785, 35268), (798, 35220), (828, 35118), (830, 35112), (838, 35085), (839, 35082), (846, 35061), (856, 35019), (858, 35013), (863, 34989), (876, 34947), (877,

34944), (888, 34917), (901, 34884), (903, 34872), (916, 34836), (925, 34812), (927, 34806), (929, 34800), (947, 34746), (970, 34698), (971, 34695), (996, 34635), (1003, 34611), (1009, 34581), (1036, 34527), (1057, 34458), (1060, 34446), (1076, 34407),

Gene: AnarQue_54 Start: 48016, Stop: 46199, Start Num: 251
Candidate Starts for AnarQue_54:
(Start: 251 @48016 has 15 MA's), (Start: 258 @48007 has 2 MA's), (280, 47980), (287, 47968), (300, 47944), (305, 47935), (388, 47797), (409, 47761), (437, 47686), (477, 47611), (511, 47533), (567, 47476), (590, 47440), (594, 47428), (603, 47404), (658, 47311), (671, 47287), (679, 47269), (796, 46996), (806, 46957), (814, 46927), (820, 46900), (854, 46792), (856, 46786), (859, 46777), (902, 46687), (904, 46678), (905, 46675), (910, 46660), (939, 46582), (944, 46570), (945, 46564), (950, 46549), (974, 46501), (1000, 46453), (1007, 46420), (1021, 46396), (1039, 46357), (1041, 46342), (1054, 46297), (1084, 46225),

Gene: Anaysia_47 Start: 29967, Stop: 28177, Start Num: 254
Candidate Starts for Anaysia_47:
(Start: 254 @29967 has 935 MA's), (371, 29793), (426, 29688), (427, 29685), (436, 29658), (449, 29631), (474, 29580), (514, 29478), (591, 29385), (606, 29340), (609, 29337), (618, 29328), (708, 29166), (719, 29139), (732, 29118), (734, 29112), (788, 29013), (798, 28974), (813, 28923), (819, 28893), (836, 28842), (846, 28809), (853, 28776), (855, 28770), (862, 28740), (899, 28680), (904, 28659), (920, 28617), (930, 28590), (935, 28575), (971, 28488), (1003, 28425), (1004, 28422), (1060, 28266), (1065, 28254), (1073, 28242),

Gene: AndPeggy_40 Start: 32151, Stop: 29764, Start Num: 57
Candidate Starts for AndPeggy_40:
(31, 32223), (33, 32208), (Start: 57 @32151 has 26 MA's), (61, 32142), (63, 32136), (93, 32055), (139, 31935), (165, 31884), (Start: 277 @31752 has 1 MA's), (294, 31725), (346, 31632), (367, 31587), (406, 31527), (417, 31509), (434, 31461), (459, 31407), (461, 31404), (469, 31386), (476, 31365), (494, 31314), (497, 31305), (498, 31302), (525, 31227), (537, 31182), (562, 31122), (569, 31107), (611, 31023), (668, 30978), (684, 30954), (706, 30948), (716, 30924), (753, 30846), (754, 30843), (755, 30840), (807, 30693), (825, 30624), (853, 30525), (862, 30489), (874, 30453), (876, 30447), (880, 30441), (883, 30435), (897, 30411), (905, 30378), (912, 30354), (925, 30309), (945, 30249), (1004, 30096), (1006, 30075), (1012, 30057), (1013, 30054), (1058, 29928), (1072, 29883), (1076, 29874),

Gene: Anderson_61 Start: 54268, Stop: 52409, Start Num: 215
Candidate Starts for Anderson_61:
(Start: 198 @54292 has 1 MA's), (Start: 215 @54268 has 328 MA's), (Start: 245 @54244 has 14 MA's), (Start: 258 @54238 has 2 MA's), (Start: 288 @54196 has 1 MA's), (300, 54175), (360, 54061), (363, 54055), (382, 54025), (418, 53965), (425, 53944), (442, 53890), (454, 53878), (464, 53860), (469, 53848), (511, 53743), (567, 53686), (590, 53650), (594, 53638), (603, 53614), (609, 53602), (620, 53584), (630, 53566), (641, 53548), (666, 53509), (670, 53500), (671, 53497), (673, 53494), (783, 53239), (813, 53137), (820, 53104), (827, 53083), (856, 52990), (859, 52981), (881, 52918), (904, 52882), (905, 52879), (910, 52864), (939, 52786), (944, 52774), (950, 52753), (970, 52714), (1007, 52624), (1018, 52606), (1021, 52600), (1029, 52585), (1039, 52561), (1041, 52546), (1042, 52543), (1044, 52531), (1054, 52507), (1060, 52486), (1073, 52459), (1084, 52435),

Gene: Andre_62 Start: 54444, Stop: 52585, Start Num: 215
Candidate Starts for Andre_62:
(Start: 198 @54468 has 1 MA's), (Start: 215 @54444 has 328 MA's), (Start: 245 @54420 has 14 MA's), (Start: 258 @54414 has 2 MA's), (Start: 288 @54372 has 1 MA's), (300, 54351), (360, 54237), (363, 54231), (382, 54201), (418, 54141), (425, 54120), (442, 54066), (454, 54054), (464, 54036), (469, 54024), (511, 53919), (567, 53862), (590, 53826), (594, 53814), (605, 53787), (620, 53760), (630, 53742), (641, 53724), (666, 53685), (670, 53676), (671, 53673), (813, 53313), (820, 53280),

(827, 53259), (856, 53166), (859, 53157), (881, 53094), (904, 53058), (905, 53055), (910, 53040), (939, 52962), (944, 52950), (950, 52929), (970, 52890), (1007, 52800), (1018, 52782), (1021, 52776), (1029, 52761), (1039, 52737), (1041, 52722), (1042, 52719), (1044, 52707), (1054, 52683), (1073, 52635), (1084, 52611),

Gene: Andromedas_38 Start: 28731, Stop: 26866, Start Num: 337
Candidate Starts for Andromedas_38:
(Start: 337 @28731 has 44 MA's), (355, 28686), (381, 28632), (420, 28572), (438, 28521), (476, 28443), (478, 28437), (494, 28392), (495, 28389), (496, 28386), (511, 28347), (531, 28287), (582, 28164), (588, 28155), (591, 28143), (595, 28131), (601, 28113), (634, 28092), (639, 28080), (731, 27909), (796, 27741), (850, 27576), (858, 27540), (862, 27519), (876, 27477), (912, 27390), (925, 27345), (962, 27246), (982, 27201), (985, 27192), (1004, 27132), (1007, 27108), (1022, 27075), (1058, 26964),

Gene: Aneem_45 Start: 30776, Stop: 28989, Start Num: 254
Candidate Starts for Aneem_45:
(Start: 254 @30776 has 935 MA's), (386, 30572), (426, 30500), (436, 30470), (449, 30443), (593, 30191), (618, 30140), (666, 30059), (688, 30014), (759, 29873), (786, 29831), (798, 29786), (819, 29705), (836, 29654), (847, 29618), (862, 29552), (899, 29492), (902, 29480), (938, 29378), (946, 29354), (951, 29336), (985, 29273), (1000, 29246), (1003, 29237), (1007, 29213), (1060, 29078), (1065, 29066), (1071, 29057),

Gene: AngelCake_61 Start: 54371, Stop: 52512, Start Num: 215
Candidate Starts for AngelCake_61:
(Start: 198 @54395 has 1 MA's), (Start: 215 @54371 has 328 MA's), (Start: 245 @54347 has 14 MA's), (Start: 258 @54341 has 2 MA's), (Start: 288 @54299 has 1 MA's), (300, 54278), (360, 54164), (363, 54158), (382, 54128), (418, 54068), (425, 54047), (442, 53993), (454, 53981), (464, 53963), (469, 53951), (511, 53846), (567, 53789), (590, 53753), (594, 53741), (603, 53717), (609, 53705), (620, 53687), (630, 53669), (641, 53651), (666, 53612), (670, 53603), (671, 53600), (673, 53597), (813, 53240), (820, 53207), (827, 53186), (856, 53093), (859, 53084), (881, 53021), (904, 52985), (905, 52982), (910, 52967), (939, 52889), (944, 52877), (950, 52856), (970, 52817), (1007, 52727), (1018, 52709), (1021, 52703), (1029, 52688), (1039, 52664), (1041, 52649), (1042, 52646), (1044, 52634), (1054, 52610), (1073, 52562), (1084, 52538),

Gene: Anglerfish_45 Start: 34722, Stop: 32896, Start Num: 254
Candidate Starts for Anglerfish_45:
(Start: 254 @34722 has 935 MA's), (391, 34509), (400, 34494), (426, 34446), (436, 34416), (443, 34395), (449, 34389), (455, 34380), (504, 34263), (514, 34236), (591, 34143), (596, 34128), (609, 34095), (639, 34044), (641, 34041), (680, 33975), (701, 33945), (711, 33915), (734, 33870), (755, 33831), (819, 33651), (834, 33603), (847, 33564), (862, 33498), (875, 33459), (899, 33438), (904, 33417), (910, 33399), (935, 33333), (1003, 33183), (1004, 33180), (1012, 33144), (1029, 33120), (1034, 33111), (1038, 33099), (1043, 33072), (1060, 33024), (1071, 33003),

Gene: AngryOrchard_34 Start: 28044, Stop: 26260, Start Num: 254
Candidate Starts for AngryOrchard_34:
(Start: 254 @28044 has 935 MA's), (369, 27873), (413, 27801), (425, 27771), (426, 27768), (441, 27723), (449, 27711), (455, 27702), (474, 27660), (514, 27558), (548, 27537), (567, 27507), (591, 27465), (609, 27417), (647, 27354), (666, 27327), (719, 27222), (725, 27213), (734, 27195), (755, 27156), (819, 26976), (834, 26928), (862, 26823), (863, 26820), (899, 26763), (904, 26742), (948, 26619), (983, 26550), (1003, 26508), (1004, 26505), (1007, 26484), (1041, 26406), (1060, 26349), (1065, 26337), (1085, 26298), (1091, 26280),

Gene: Anilorac_38 Start: 29011, Stop: 27143, Start Num: 339

Candidate Starts for Anilorac_38:
(216, 29176), (Start: 246 @29131 has 3 MA's), (283, 29086), (Start: 339 @29011 has 121 MA's), (Start: 342 @29002 has 5 MA's), (469, 28744), (471, 28738), (476, 28723), (478, 28717), (540, 28531), (582, 28444), (588, 28435), (591, 28423), (600, 28396), (601, 28393), (612, 28378), (634, 28372), (639, 28360), (654, 28336), (789, 28042), (855, 27829), (858, 27820), (862, 27799), (876, 27757), (912, 27667), (925, 27622), (970, 27508), (982, 27478), (1004, 27409), (1007, 27385), (1025, 27346), (1040, 27301),

Gene: AnnaL29_46 Start: 32316, Stop: 30529, Start Num: 254
Candidate Starts for AnnaL29_46:
(Start: 254 @32316 has 935 MA's), (386, 32112), (388, 32109), (402, 32088), (413, 32073), (426, 32040), (436, 32010), (449, 31983), (463, 31962), (474, 31932), (514, 31830), (591, 31737), (609, 31689), (618, 31680), (626, 31665), (666, 31599), (708, 31518), (732, 31470), (768, 31398), (798, 31326), (819, 31245), (836, 31194), (846, 31161), (847, 31158), (862, 31092), (875, 31053), (899, 31032), (925, 30957), (956, 30867), (975, 30831), (985, 30813), (1003, 30777), (1007, 30753), (1037, 30696), (1041, 30675), (1060, 30618), (1065, 30606), (1071, 30597),

Gene: AnnaLie_43 Start: 29896, Stop: 31770, Start Num: 241
Candidate Starts for AnnaLie_43:
(Start: 238 @29893 has 7 MA's), (Start: 241 @29896 has 65 MA's), (Start: 299 @29965 has 1 MA's), (315, 29986), (455, 30232), (474, 30274), (602, 30487), (647, 30568), (766, 30802), (804, 30925), (819, 30985), (822, 30991), (836, 31036), (843, 31051), (845, 31066), (853, 31102), (862, 31138), (903, 31231), (936, 31324), (967, 31402), (1003, 31474), (1012, 31513), (1037, 31555), (1040, 31573), (1053, 31609), (1060, 31633), (1071, 31654),

Gene: AnnabelLee_40 Start: 28648, Stop: 26867, Start Num: 245
Candidate Starts for AnnabelLee_40:
(194, 28717), (Start: 215 @28693 has 328 MA's), (Start: 229 @28672 has 1 MA's), (Start: 236 @28657 has 5 MA's), (Start: 245 @28648 has 14 MA's), (328, 28525), (356, 28477), (437, 28339), (438, 28333), (467, 28285), (506, 28204), (509, 28198), (517, 28174), (591, 28105), (632, 28024), (647, 27997), (657, 27982), (692, 27919), (721, 27862), (734, 27838), (736, 27832), (755, 27796), (774, 27760), (803, 27688), (815, 27646), (822, 27619), (851, 27523), (856, 27499), (862, 27472), (875, 27433), (906, 27358), (932, 27289), (948, 27241), (956, 27220), (979, 27166), (984, 27151), (1008, 27085), (1037, 27028), (1041, 27007), (1042, 27004), (1045, 26986), (1054, 26971),

Gene: Annyong_45 Start: 31615, Stop: 29789, Start Num: 254
Candidate Starts for Annyong_45:
(Start: 254 @31615 has 935 MA's), (271, 31594), (289, 31564), (305, 31534), (413, 31372), (421, 31354), (426, 31339), (449, 31282), (455, 31273), (505, 31153), (514, 31129), (591, 31036), (611, 30988), (626, 30967), (647, 30928), (719, 30796), (732, 30775), (755, 30730), (759, 30718), (815, 30565), (819, 30544), (855, 30421), (862, 30391), (875, 30352), (904, 30286), (905, 30283), (910, 30268), (920, 30244), (929, 30220), (1007, 30013), (1060, 29878), (1065, 29866), (1071, 29857),

Gene: Anon_42 Start: 29008, Stop: 27218, Start Num: 254
Candidate Starts for Anon_42:
(Start: 254 @29008 has 935 MA's), (426, 28729), (427, 28726), (449, 28672), (474, 28621), (514, 28519), (591, 28426), (606, 28381), (609, 28378), (618, 28369), (675, 28270), (708, 28207), (719, 28180), (755, 28114), (798, 28015), (815, 27955), (819, 27934), (836, 27883), (843, 27868), (847, 27847), (850, 27838), (859, 27799), (862, 27781), (904, 27700), (910, 27682), (985, 27502), (1000, 27475), (1041, 27364), (1060, 27307), (1065, 27295), (1073, 27283),

Gene: Anselm_45 Start: 31702, Stop: 29915, Start Num: 254
Candidate Starts for Anselm_45:

(Start: 254 @31702 has 935 MA's), (386, 31498), (388, 31495), (402, 31474), (413, 31459), (422, 31438), (426, 31426), (427, 31423), (436, 31396), (449, 31369), (463, 31348), (514, 31216), (591, 31123), (609, 31075), (618, 31066), (626, 31051), (666, 30985), (708, 30904), (732, 30856), (767, 30787), (798, 30712), (819, 30631), (836, 30580), (847, 30544), (862, 30478), (875, 30439), (899, 30418), (925, 30343), (935, 30313), (946, 30280), (956, 30253), (975, 30217), (983, 30205), (985, 30199), (1003, 30163), (1007, 30139), (1041, 30061), (1060, 30004), (1065, 29992), (1071, 29983),

Gene: Anthony_39 Start: 28917, Stop: 27130, Start Num: 254
Candidate Starts for Anthony_39:
(Start: 254 @28917 has 935 MA's), (413, 28671), (441, 28593), (449, 28581), (455, 28572), (514, 28428), (591, 28335), (605, 28296), (606, 28290), (609, 28287), (626, 28263), (680, 28167), (696, 28143), (719, 28092), (727, 28077), (734, 28065), (801, 27915), (815, 27867), (819, 27846), (834, 27798), (846, 27762), (862, 27693), (946, 27495), (948, 27489), (971, 27441), (985, 27414), (1000, 27387), (1041, 27276), (1060, 27219), (1065, 27207), (1071, 27198),

Gene: Antihero_52 Start: 52983, Stop: 51160, Start Num: 208
Candidate Starts for Antihero_52:
(Start: 190 @53001 has 4 MA's), (Start: 208 @52983 has 32 MA's), (Start: 258 @52959 has 2 MA's), (280, 52932), (Start: 288 @52917 has 1 MA's), (300, 52896), (353, 52809), (415, 52704), (430, 52662), (464, 52596), (477, 52566), (481, 52557), (487, 52554), (489, 52551), (496, 52524), (567, 52431), (582, 52413), (590, 52395), (594, 52383), (599, 52368), (605, 52356), (670, 52245), (671, 52242), (684, 52212), (706, 52176), (796, 51951), (797, 51948), (806, 51912), (813, 51888), (820, 51855), (854, 51747), (856, 51741), (858, 51735), (859, 51732), (904, 51633), (905, 51630), (910, 51615), (939, 51537), (944, 51525), (950, 51504), (953, 51495), (970, 51465), (983, 51441), (1000, 51408), (1007, 51375), (1018, 51357), (1021, 51351), (1039, 51312), (1042, 51294), (1044, 51282), (1054, 51258), (1070, 51216), (1073, 51210), (1084, 51186),

Gene: Antoinette_39 Start: 28922, Stop: 27057, Start Num: 339
Candidate Starts for Antoinette_39:
(Start: 275 @29009 has 3 MA's), (Start: 277 @29006 has 1 MA's), (Start: 339 @28922 has 121 MA's), (Start: 342 @28913 has 5 MA's), (392, 28808), (398, 28799), (418, 28769), (419, 28766), (472, 28646), (476, 28634), (478, 28628), (518, 28523), (525, 28496), (582, 28355), (587, 28349), (588, 28346), (591, 28334), (600, 28307), (601, 28304), (612, 28289), (634, 28283), (637, 28277), (657, 28244), (725, 28115), (749, 28055), (807, 27890), (855, 27740), (858, 27731), (859, 27728), (862, 27710), (876, 27668), (880, 27662), (884, 27653), (895, 27638), (912, 27581), (970, 27422), (982, 27392), (985, 27383), (1004, 27323), (1007, 27299), (1025, 27260), (1039, 27227), (1040, 27215), (1058, 27155),

Gene: Antonia_60 Start: 54050, Stop: 52191, Start Num: 215
Candidate Starts for Antonia_60:
(Start: 198 @54074 has 1 MA's), (Start: 215 @54050 has 328 MA's), (Start: 245 @54026 has 14 MA's), (Start: 258 @54020 has 2 MA's), (Start: 288 @53978 has 1 MA's), (300, 53957), (360, 53843), (363, 53837), (382, 53807), (418, 53747), (425, 53726), (442, 53672), (454, 53660), (464, 53642), (469, 53630), (511, 53525), (567, 53468), (590, 53432), (594, 53420), (603, 53396), (609, 53384), (620, 53366), (630, 53348), (641, 53330), (666, 53291), (670, 53282), (671, 53279), (673, 53276), (813, 52919), (820, 52886), (827, 52865), (856, 52772), (859, 52763), (881, 52700), (904, 52664), (905, 52661), (910, 52646), (939, 52568), (944, 52556), (950, 52535), (970, 52496), (1007, 52406), (1018, 52388), (1021, 52382), (1029, 52367), (1039, 52343), (1041, 52328), (1042, 52325), (1044, 52313), (1054, 52289), (1073, 52241), (1084, 52217),

Gene: Anubis_51 Start: 31739, Stop: 29925, Start Num: 254
Candidate Starts for Anubis_51:

(Start: 254 @31739 has 935 MA's), (284, 31700), (289, 31688), (386, 31535), (395, 31520), (426, 31463), (449, 31406), (455, 31397), (474, 31355), (494, 31304), (514, 31253), (591, 31160), (609, 31112), (618, 31103), (626, 31088), (647, 31049), (666, 31022), (680, 30992), (727, 30899), (758, 30839), (767, 30824), (819, 30668), (847, 30581), (862, 30515), (875, 30476), (905, 30404), (920, 30365), (929, 30341), (935, 30323), (946, 30290), (956, 30263), (985, 30209), (1007, 30149), (1041, 30071), (1060, 30014), (1065, 30002), (1071, 29993),

Gene: Aonishiki_61 Start: 54311, Stop: 52452, Start Num: 215
Candidate Starts for Aonishiki_61:
(Start: 198 @54335 has 1 MA's), (Start: 215 @54311 has 328 MA's), (Start: 245 @54287 has 14 MA's), (Start: 258 @54281 has 2 MA's), (Start: 288 @54239 has 1 MA's), (300, 54218), (360, 54104), (363, 54098), (382, 54068), (418, 54008), (425, 53987), (442, 53933), (454, 53921), (464, 53903), (469, 53891), (511, 53786), (567, 53729), (590, 53693), (594, 53681), (603, 53657), (609, 53645), (620, 53627), (630, 53609), (641, 53591), (666, 53552), (670, 53543), (671, 53540), (673, 53537), (813, 53180), (820, 53147), (827, 53126), (856, 53033), (859, 53024), (881, 52961), (904, 52925), (905, 52922), (910, 52907), (939, 52829), (944, 52817), (950, 52796), (970, 52757), (1007, 52667), (1018, 52649), (1021, 52643), (1029, 52628), (1039, 52604), (1041, 52589), (1042, 52586), (1044, 52574), (1054, 52550), (1073, 52502), (1084, 52478),

Gene: Apex_54 Start: 54199, Stop: 52376, Start Num: 208
Candidate Starts for Apex_54:
(Start: 190 @54217 has 4 MA's), (Start: 208 @54199 has 32 MA's), (Start: 258 @54175 has 2 MA's), (280, 54148), (Start: 288 @54133 has 1 MA's), (300, 54112), (353, 54025), (415, 53920), (430, 53878), (464, 53812), (477, 53782), (481, 53773), (487, 53770), (489, 53767), (496, 53740), (567, 53647), (582, 53629), (590, 53611), (594, 53599), (599, 53584), (605, 53572), (641, 53509), (666, 53470), (670, 53461), (671, 53458), (684, 53428), (706, 53392), (796, 53167), (797, 53164), (806, 53128), (813, 53104), (820, 53071), (854, 52963), (856, 52957), (859, 52948), (904, 52849), (905, 52846), (910, 52831), (939, 52753), (944, 52741), (950, 52720), (953, 52711), (970, 52681), (1000, 52624), (1007, 52591), (1021, 52567), (1039, 52528), (1042, 52510), (1044, 52498), (1054, 52474), (1070, 52432), (1073, 52426), (1084, 52402),

Gene: Apizium_60 Start: 53711, Stop: 51852, Start Num: 215
Candidate Starts for Apizium_60:
(Start: 198 @53735 has 1 MA's), (Start: 215 @53711 has 328 MA's), (Start: 245 @53687 has 14 MA's), (Start: 258 @53681 has 2 MA's), (Start: 288 @53639 has 1 MA's), (300, 53618), (360, 53504), (363, 53498), (382, 53468), (418, 53408), (425, 53387), (442, 53333), (454, 53321), (464, 53303), (469, 53291), (511, 53186), (567, 53129), (590, 53093), (594, 53081), (605, 53054), (609, 53045), (630, 53009), (666, 52952), (670, 52943), (671, 52940), (673, 52937), (783, 52682), (813, 52580), (820, 52547), (827, 52526), (856, 52433), (859, 52424), (881, 52361), (904, 52325), (905, 52322), (910, 52307), (939, 52229), (944, 52217), (950, 52196), (970, 52157), (1007, 52067), (1018, 52049), (1021, 52043), (1029, 52028), (1039, 52004), (1041, 51989), (1042, 51986), (1044, 51974), (1054, 51950), (1060, 51929), (1073, 51902), (1084, 51878),

Gene: AppleCloud_34 Start: 28055, Stop: 26271, Start Num: 254
Candidate Starts for AppleCloud_34:
(Start: 254 @28055 has 935 MA's), (369, 27884), (407, 27821), (425, 27782), (426, 27779), (441, 27734), (449, 27722), (455, 27713), (473, 27674), (514, 27569), (591, 27476), (609, 27428), (647, 27365), (666, 27338), (719, 27233), (734, 27206), (755, 27167), (819, 26987), (834, 26939), (862, 26834), (863, 26831), (899, 26774), (904, 26753), (923, 26705), (948, 26630), (983, 26561), (1003, 26519), (1004, 26516), (1007, 26495), (1012, 26480), (1041, 26417), (1060, 26360), (1065, 26348), (1085, 26309), (1091, 26291),

Gene: Applejack_40 Start: 31240, Stop: 29414, Start Num: 254

Candidate Starts for Applejack_40:
(Start: 254 @31240 has 935 MA's), (391, 31027), (436, 30934), (443, 30913), (449, 30907), (455, 30898), (504, 30781), (514, 30754), (591, 30661), (596, 30646), (609, 30613), (639, 30562), (641, 30559), (680, 30493), (701, 30463), (711, 30433), (734, 30388), (755, 30349), (819, 30169), (834, 30121), (847, 30082), (862, 30016), (875, 29977), (899, 29956), (904, 29935), (910, 29917), (935, 29851), (1003, 29701), (1004, 29698), (1012, 29662), (1029, 29638), (1034, 29629), (1038, 29617), (1043, 29590), (1060, 29542), (1071, 29521),

Gene: Applejacks_45 Start: 35267, Stop: 32859, Start Num: 13
Candidate Starts for Applejacks_45:
(4, 35468), (7, 35357), (12, 35279), (13, 35267), (21, 35204), (43, 35081), (71, 34997), (92, 34946), (106, 34910), (111, 34898), (167, 34787), (186, 34754), (192, 34745), (338, 34562), (347, 34541), (385, 34472), (413, 34424), (433, 34367), (444, 34334), (463, 34316), (469, 34301), (474, 34289), (489, 34268), (511, 34205), (582, 34133), (590, 34115), (599, 34088), (652, 33995), (654, 33992), (671, 33962), (684, 33932), (747, 33812), (753, 33785), (787, 33695), (803, 33638), (806, 33629), (820, 33572), (850, 33491), (854, 33467), (856, 33461), (894, 33374), (904, 33353), (910, 33335), (939, 33257), (944, 33245), (950, 33224), (982, 33164), (994, 33128), (1000, 33110), (1007, 33077), (1018, 33059), (1041, 32999), (1042, 32996), (1054, 32960), (1073, 32909), (1084, 32885),

Gene: Aragog_37 Start: 30134, Stop: 28275, Start Num: 254
Candidate Starts for Aragog_37:
(Start: 254 @30134 has 935 MA's), (289, 30083), (334, 30023), (371, 29960), (386, 29930), (388, 29927), (422, 29870), (426, 29858), (436, 29828), (449, 29801), (514, 29648), (591, 29552), (609, 29504), (625, 29483), (659, 29420), (666, 29414), (706, 29342), (719, 29309), (727, 29294), (734, 29282), (783, 29183), (819, 29048), (830, 29018), (834, 29000), (843, 28982), (847, 28961), (850, 28952), (862, 28895), (875, 28856), (904, 28814), (910, 28796), (929, 28748), (946, 28697), (971, 28643), (975, 28634), (985, 28616), (1007, 28556), (1018, 28538), (1053, 28445), (1060, 28421), (1065, 28409), (1116, 28292), (1118, 28289),

Gene: AranulaLuti_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for AranulaLuti_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: Arbiter_56 Start: 52589, Stop: 50760, Start Num: 215
Candidate Starts for Arbiter_56:
(Start: 215 @52589 has 328 MA's), (Start: 258 @52562 has 2 MA's), (Start: 282 @52532 has 7 MA's), (Start: 288 @52520 has 1 MA's), (Start: 304 @52493 has 2 MA's), (305, 52490), (314, 52481), (338, 52463), (388, 52367), (418, 52316), (426, 52292), (496, 52130), (506, 52106), (511, 52094), (567, 52037), (590, 52001), (594, 51989), (603, 51965), (652, 51881), (670, 51851), (671, 51848), (684, 51818), (753, 51674), (778, 51608), (796, 51557), (800, 51536), (806, 51518), (820, 51461), (844, 51404), (850, 51377), (856, 51347), (859, 51338), (879, 51272), (902, 51245), (904, 51236), (910, 51218), (920, 51194), (939, 51140), (944, 51128), (950, 51107), (985, 51038), (1007, 50978), (1018, 50960), (1035, 50927), (1039, 50915), (1041, 50900), (1042, 50897), (1044, 50885), (1054, 50861), (1055, 50858), (1073, 50810), (1075, 50807), (1084, 50786), (1091, 50765),

Gene: Arcanine_46 Start: 34538, Stop: 32751, Start Num: 254
Candidate Starts for Arcanine_46:

(Start: 254 @34538 has 935 MA's), (391, 34325), (400, 34310), (436, 34232), (443, 34211), (449, 34205), (455, 34196), (504, 34079), (514, 34052), (591, 33959), (596, 33944), (609, 33911), (639, 33860), (641, 33857), (680, 33791), (701, 33761), (711, 33731), (734, 33686), (755, 33647), (819, 33467), (834, 33419), (847, 33380), (862, 33314), (902, 33242), (904, 33233), (935, 33149), (971, 33062), (1029, 32936), (1035, 32924), (1060, 32840), (1063, 32834),

Gene: ArcherNM_42 Start: 31769, Stop: 29982, Start Num: 254
Candidate Starts for ArcherNM_42:
(Start: 254 @31769 has 935 MA's), (386, 31565), (388, 31562), (391, 31556), (402, 31541), (413, 31526), (426, 31493), (427, 31490), (436, 31463), (449, 31436), (463, 31415), (474, 31385), (514, 31283), (591, 31190), (609, 31142), (618, 31133), (626, 31118), (666, 31052), (708, 30971), (732, 30923), (734, 30917), (798, 30779), (819, 30698), (836, 30647), (846, 30614), (847, 30611), (862, 30545), (875, 30506), (899, 30485), (925, 30410), (946, 30347), (956, 30320), (975, 30284), (985, 30266), (1003, 30230), (1007, 30206), (1037, 30149), (1041, 30128), (1060, 30071), (1065, 30059), (1071, 30050),

Gene: Archetta_38 Start: 30664, Stop: 28820, Start Num: 254
Candidate Starts for Archetta_38:
(Start: 254 @30664 has 935 MA's), (289, 30613), (334, 30553), (371, 30490), (386, 30460), (388, 30457), (422, 30400), (426, 30388), (436, 30358), (449, 30331), (494, 30229), (501, 30214), (514, 30178), (571, 30118), (591, 30082), (609, 30034), (659, 29950), (666, 29944), (706, 29872), (719, 29839), (727, 29824), (734, 29812), (783, 29713), (819, 29578), (830, 29548), (834, 29530), (836, 29527), (847, 29491), (850, 29482), (853, 29461), (856, 29452), (862, 29425), (863, 29422), (899, 29365), (904, 29344), (946, 29227), (971, 29173), (975, 29164), (985, 29146), (1018, 29068), (1040, 29011), (1053, 28975), (1060, 28951), (1065, 28939),

Gene: Ares_57 Start: 52561, Stop: 50732, Start Num: 215
Candidate Starts for Ares_57:
(Start: 215 @52561 has 328 MA's), (Start: 258 @52534 has 2 MA's), (Start: 282 @52504 has 7 MA's), (Start: 288 @52492 has 1 MA's), (Start: 304 @52465 has 2 MA's), (305, 52462), (314, 52453), (338, 52435), (388, 52339), (418, 52288), (426, 52264), (433, 52240), (496, 52102), (506, 52078), (511, 52066), (567, 52009), (590, 51973), (594, 51961), (603, 51937), (652, 51853), (670, 51823), (671, 51820), (684, 51790), (753, 51646), (778, 51580), (792, 51541), (796, 51529), (800, 51508), (806, 51490), (820, 51433), (844, 51376), (850, 51349), (856, 51319), (859, 51310), (879, 51244), (902, 51217), (904, 51208), (910, 51190), (920, 51166), (939, 51112), (944, 51100), (950, 51079), (985, 51010), (1007, 50950), (1018, 50932), (1035, 50899), (1039, 50887), (1041, 50872), (1042, 50869), (1044, 50857), (1054, 50833), (1055, 50830), (1073, 50782), (1075, 50779), (1084, 50758), (1091, 50737),

Gene: Arissanae_44 Start: 32041, Stop: 30248, Start Num: 254
Candidate Starts for Arissanae_44:
(Start: 254 @32041 has 935 MA's), (261, 32032), (349, 31903), (386, 31837), (396, 31819), (413, 31795), (427, 31759), (436, 31732), (441, 31717), (449, 31705), (474, 31654), (513, 31555), (514, 31552), (591, 31459), (599, 31435), (680, 31291), (728, 31195), (759, 31132), (785, 31093), (787, 31087), (819, 30964), (855, 30841), (862, 30811), (875, 30772), (902, 30739), (904, 30730), (910, 30712), (946, 30613), (975, 30550), (983, 30538), (1000, 30505), (1003, 30496), (1041, 30394), (1060, 30337), (1065, 30325), (1071, 30316),

Gene: Arlo_42 Start: 34069, Stop: 32243, Start Num: 254
Candidate Starts for Arlo_42:
(Start: 254 @34069 has 935 MA's), (391, 33856), (426, 33793), (436, 33763), (443, 33742), (449, 33736), (455, 33727), (504, 33610), (514, 33583), (591, 33490), (596, 33475), (639, 33391), (641, 33388), (680, 33322), (701, 33292), (711, 33262), (734, 33217), (755, 33178), (819, 32998), (834,

32950), (847, 32911), (862, 32845), (875, 32806), (899, 32785), (904, 32764), (910, 32746), (935, 32680), (1003, 32530), (1004, 32527), (1012, 32491), (1029, 32467), (1034, 32458), (1038, 32446), (1060, 32371), (1071, 32350),

Gene: Armstrong_40 Start: 27439, Stop: 29307, Start Num: 238
Candidate Starts for Armstrong_40:
(Start: 238 @27439 has 7 MA's), (Start: 241 @27442 has 65 MA's), (244, 27445), (Start: 299 @27514 has 1 MA's), (464, 27796), (474, 27823), (501, 27877), (605, 28042), (647, 28117), (659, 28138), (804, 28492), (819, 28552), (836, 28603), (853, 28669), (862, 28705), (903, 28798), (967, 28969), (1003, 29041), (1037, 29122), (1059, 29197), (1060, 29200), (1071, 29221), (1100, 29290),

Gene: Arroyo_43 Start: 30004, Stop: 31878, Start Num: 241
Candidate Starts for Arroyo_43:
(Start: 241 @30004 has 65 MA's), (Start: 299 @30073 has 1 MA's), (315, 30094), (455, 30340), (464, 30355), (474, 30382), (647, 30676), (719, 30811), (766, 30910), (804, 31033), (819, 31093), (822, 31099), (836, 31144), (843, 31159), (845, 31174), (853, 31210), (862, 31246), (903, 31339), (936, 31432), (967, 31510), (1003, 31582), (1012, 31621), (1037, 31663), (1040, 31681), (1053, 31717), (1060, 31741), (1071, 31762),

Gene: Artemis2UCLA_45 Start: 29324, Stop: 27483, Start Num: 254
Candidate Starts for Artemis2UCLA_45:
(Start: 229 @29354 has 1 MA's), (Start: 254 @29324 has 935 MA's), (386, 29120), (426, 29045), (427, 29042), (436, 29015), (441, 29000), (449, 28988), (474, 28937), (510, 28847), (514, 28835), (591, 28742), (605, 28703), (618, 28685), (626, 28670), (666, 28604), (681, 28571), (683, 28568), (735, 28466), (767, 28406), (798, 28322), (819, 28241), (846, 28157), (847, 28154), (850, 28145), (855, 28118), (862, 28088), (899, 28028), (910, 27989), (1003, 27773), (1004, 27770), (1007, 27749), (1060, 27614), (1065, 27602), (1071, 27593), (1073, 27590), (1111, 27497),

Gene: Artu_91 Start: 75022, Stop: 76743, Start Num: 315
Candidate Starts for Artu_91:
(Start: 265 @74947 has 10 MA's), (Start: 288 @74980 has 1 MA's), (Start: 299 @75001 has 1 MA's), (Start: 304 @75010 has 2 MA's), (315, 75022), (454, 75259), (467, 75286), (470, 75292), (562, 75427), (632, 75544), (647, 75571), (651, 75577), (657, 75586), (686, 75640), (755, 75772), (763, 75793), (778, 75820), (795, 75868), (803, 75901), (815, 75940), (819, 75961), (822, 75967), (846, 76051), (853, 76084), (874, 76168), (875, 76171), (903, 76234), (906, 76246), (920, 76282), (931, 76312), (932, 76315), (950, 76369), (958, 76387), (996, 76471), (1003, 76492), (1008, 76519), (1018, 76534), (1037, 76573), (1040, 76591), (1043, 76603), (1045, 76615), (1048, 76618), (1060, 76651), (1075, 76678),

Gene: Arturo_44 Start: 31826, Stop: 30000, Start Num: 254
Candidate Starts for Arturo_44:
(Start: 254 @31826 has 935 MA's), (271, 31805), (289, 31775), (305, 31745), (413, 31583), (421, 31565), (449, 31493), (455, 31484), (505, 31364), (514, 31340), (591, 31247), (611, 31199), (647, 31139), (719, 31007), (732, 30986), (755, 30941), (759, 30929), (815, 30776), (819, 30755), (855, 30632), (862, 30602), (875, 30563), (904, 30497), (905, 30494), (910, 30479), (920, 30455), (929, 30431), (1007, 30224), (1060, 30089), (1065, 30077), (1071, 30068),

Gene: Asa16_39 Start: 30354, Stop: 32219, Start Num: 254
Candidate Starts for Asa16_39:
(Start: 254 @30354 has 935 MA's), (Start: 288 @30402 has 1 MA's), (411, 30585), (415, 30591), (436, 30651), (443, 30672), (479, 30741), (596, 30957), (641, 31047), (647, 31056), (657, 31071), (681, 31116), (732, 31209), (788, 31347), (819, 31467), (830, 31497), (847, 31554), (860, 31611), (862, 31620), (872, 31644), (903, 31713), (929, 31785), (932, 31794), (971, 31893), (1003, 31956), (1060,

32115), (1064, 32124),

Gene: Ascela_41 Start: 29607, Stop: 31472, Start Num: 254
Candidate Starts for Ascela_41:
(Start: 254 @29607 has 935 MA's), (Start: 288 @29655 has 1 MA's), (391, 29820), (436, 29904), (479, 29994), (593, 30201), (596, 30210), (641, 30300), (647, 30309), (657, 30324), (732, 30462), (788, 30600), (819, 30720), (830, 30750), (847, 30807), (862, 30873), (903, 30966), (929, 31038), (1060, 31368), (1064, 31377),

Gene: Ashballer_46 Start: 35324, Stop: 33498, Start Num: 254
Candidate Starts for Ashballer_46:
(Start: 254 @35324 has 935 MA's), (391, 35111), (400, 35096), (436, 35018), (443, 34997), (449, 34991), (455, 34982), (504, 34865), (514, 34838), (591, 34745), (596, 34730), (609, 34697), (639, 34646), (641, 34643), (680, 34577), (701, 34547), (711, 34517), (734, 34472), (755, 34433), (819, 34253), (834, 34205), (847, 34166), (862, 34100), (875, 34061), (899, 34040), (904, 34019), (910, 34001), (935, 33935), (1003, 33785), (1004, 33782), (1012, 33746), (1029, 33722), (1034, 33713), (1038, 33701), (1043, 33674), (1060, 33626), (1071, 33605),

Gene: Ashes_38 Start: 27734, Stop: 29716, Start Num: 253
Candidate Starts for Ashes_38:
(Start: 253 @27734 has 33 MA's), (371, 27908), (386, 27938), (415, 27971), (427, 28004), (463, 28079), (473, 28106), (513, 28208), (568, 28307), (647, 28481), (666, 28508), (732, 28637), (788, 28775), (812, 28862), (819, 28895), (830, 28925), (847, 28982), (862, 29048), (903, 29141), (934, 29228), (1007, 29408), (1021, 29432), (1060, 29543), (1107, 29651),

Gene: Ashraf_62 Start: 54257, Stop: 52398, Start Num: 215
Candidate Starts for Ashraf_62:
(Start: 198 @54281 has 1 MA's), (Start: 215 @54257 has 328 MA's), (Start: 245 @54233 has 14 MA's), (Start: 258 @54227 has 2 MA's), (Start: 288 @54185 has 1 MA's), (300, 54164), (360, 54050), (363, 54044), (382, 54014), (418, 53954), (425, 53933), (442, 53879), (454, 53867), (464, 53849), (469, 53837), (511, 53732), (567, 53675), (590, 53639), (594, 53627), (603, 53603), (609, 53591), (620, 53573), (630, 53555), (641, 53537), (666, 53498), (670, 53489), (671, 53486), (673, 53483), (783, 53228), (813, 53126), (820, 53093), (827, 53072), (856, 52979), (859, 52970), (881, 52907), (904, 52871), (905, 52868), (910, 52853), (939, 52775), (944, 52763), (950, 52742), (970, 52703), (1007, 52613), (1018, 52595), (1021, 52589), (1029, 52574), (1039, 52550), (1041, 52535), (1042, 52532), (1044, 52520), (1054, 52496), (1060, 52475), (1073, 52448), (1084, 52424),

Gene: Asis_48 Start: 39369, Stop: 37369, Start Num: 327
Candidate Starts for Asis_48:
(Start: 327 @39369 has 11 MA's), (371, 39300), (435, 39168), (437, 39162), (438, 39156), (463, 39108), (467, 39096), (470, 39090), (477, 39069), (485, 39054), (507, 38985), (550, 38844), (589, 38748), (628, 38661), (645, 38637), (653, 38625), (662, 38613), (700, 38544), (759, 38397), (801, 38292), (806, 38277), (822, 38220), (829, 38199), (841, 38157), (848, 38127), (855, 38094), (867, 38040), (874, 38010), (891, 37941), (899, 37920), (920, 37857), (927, 37839), (931, 37827), (939, 37803), (1007, 37602), (1008, 37599), (1021, 37578), (1038, 37545), (1041, 37527), (1053, 37494), (1060, 37470), (1083, 37422),

Gene: Asta_38 Start: 28632, Stop: 26767, Start Num: 339
Candidate Starts for Asta_38:
(Start: 275 @28719 has 3 MA's), (Start: 339 @28632 has 121 MA's), (Start: 342 @28623 has 5 MA's), (392, 28518), (398, 28509), (418, 28479), (419, 28476), (472, 28356), (476, 28344), (478, 28338), (518, 28233), (525, 28206), (582, 28065), (587, 28059), (588, 28056), (591, 28044), (600, 28017), (601, 28014), (612, 27999), (634, 27993), (637, 27987), (657, 27954), (725, 27825), (749, 27765),

(855, 27450), (858, 27441), (859, 27438), (862, 27420), (876, 27378), (880, 27372), (895, 27348), (912, 27291), (970, 27132), (982, 27102), (985, 27093), (1004, 27033), (1007, 27009), (1025, 26970), (1039, 26937), (1040, 26925), (1058, 26865),

Gene: Astro_42 Start: 30542, Stop: 28698, Start Num: 254
Candidate Starts for Astro_42:
(Start: 149 @30707 has 1 MA's), (Start: 254 @30542 has 935 MA's), (289, 30491), (371, 30368), (386, 30338), (413, 30299), (426, 30266), (436, 30236), (443, 30215), (449, 30209), (455, 30200), (474, 30158), (494, 30107), (513, 30059), (514, 30056), (591, 29960), (600, 29933), (606, 29915), (609, 29912), (618, 29903), (647, 29849), (666, 29822), (690, 29774), (719, 29717), (734, 29690), (759, 29639), (768, 29624), (815, 29477), (819, 29456), (830, 29426), (834, 29408), (836, 29405), (843, 29390), (847, 29369), (850, 29360), (855, 29333), (859, 29321), (862, 29303), (904, 29222), (908, 29210), (929, 29156), (941, 29120), (953, 29084), (971, 29051), (983, 29030), (985, 29024), (1004, 28985), (1007, 28964), (1018, 28946), (1060, 28829), (1065, 28817),

Gene: Athena_60 Start: 54420, Stop: 52603, Start Num: 256
Candidate Starts for Athena_60:
(137, 54603), (Start: 256 @54420 has 51 MA's), (280, 54390), (391, 54210), (463, 54057), (467, 54045), (481, 54015), (489, 54009), (511, 53946), (513, 53940), (567, 53889), (590, 53853), (609, 53805), (671, 53700), (718, 53604), (747, 53553), (796, 53409), (806, 53370), (814, 53340), (820, 53313), (824, 53301), (854, 53205), (856, 53199), (859, 53190), (861, 53178), (893, 53106), (904, 53076), (910, 53058), (915, 53049), (939, 52980), (944, 52968), (950, 52947), (985, 52878), (996, 52863), (1004, 52839), (1007, 52818), (1021, 52794), (1039, 52755), (1042, 52737), (1044, 52725), (1050, 52713), (1054, 52701), (1070, 52659), (1084, 52629),

Gene: Atkinbua_46 Start: 34825, Stop: 32999, Start Num: 254
Candidate Starts for Atkinbua_46:
(Start: 254 @34825 has 935 MA's), (391, 34612), (436, 34519), (443, 34498), (449, 34492), (455, 34483), (504, 34366), (514, 34339), (591, 34246), (596, 34231), (639, 34147), (641, 34144), (680, 34078), (701, 34048), (711, 34018), (734, 33973), (755, 33934), (819, 33754), (834, 33706), (847, 33667), (862, 33601), (875, 33562), (899, 33541), (904, 33520), (910, 33502), (935, 33436), (1003, 33286), (1004, 33283), (1012, 33247), (1034, 33214), (1038, 33202), (1060, 33127), (1071, 33106),

Gene: Attoomi_34 Start: 26889, Stop: 28748, Start Num: 254
Candidate Starts for Attoomi_34:
(214, 26838), (Start: 254 @26889 has 935 MA's), (388, 27099), (400, 27120), (418, 27144), (442, 27216), (455, 27234), (463, 27246), (488, 27306), (501, 27342), (516, 27384), (593, 27474), (606, 27513), (626, 27546), (637, 27567), (647, 27585), (657, 27600), (666, 27612), (676, 27633), (702, 27672), (708, 27690), (711, 27699), (719, 27717), (721, 27720), (732, 27738), (755, 27783), (762, 27801), (764, 27807), (766, 27816), (783, 27861), (800, 27924), (801, 27927), (822, 28002), (845, 28077), (850, 28092), (852, 28107), (854, 28116), (862, 28149), (884, 28203), (929, 28314), (932, 28323), (983, 28443), (1000, 28476), (1008, 28512), (1057, 28632), (1060, 28644), (1063, 28650), (1106, 28740),

Gene: Atuin_93 Start: 78349, Stop: 80142, Start Num: 265
Candidate Starts for Atuin_93:
(Start: 265 @78349 has 10 MA's), (Start: 299 @78403 has 1 MA's), (Start: 304 @78412 has 2 MA's), (315, 78424), (438, 78643), (454, 78661), (467, 78688), (470, 78694), (517, 78799), (632, 78946), (647, 78973), (657, 78988), (686, 79042), (787, 79243), (795, 79270), (803, 79303), (815, 79342), (819, 79363), (822, 79369), (853, 79486), (874, 79570), (875, 79573), (903, 79636), (906, 79648), (920, 79684), (932, 79717), (950, 79771), (958, 79789), (1003, 79894), (1008, 79921), (1018, 79936), (1035, 79969), (1037, 79975), (1040, 79993), (1043, 80005), (1045, 80017), (1048, 80020), (1060, 80053), (1085, 80104),

Gene: Aubergine_38 Start: 28632, Stop: 26767, Start Num: 339
Candidate Starts for Aubergine_38:
(Start: 275 @28719 has 3 MA's), (Start: 277 @28716 has 1 MA's), (Start: 339 @28632 has 121 MA's), (Start: 342 @28623 has 5 MA's), (392, 28518), (398, 28509), (418, 28479), (419, 28476), (472, 28356), (476, 28344), (478, 28338), (518, 28233), (525, 28206), (582, 28065), (587, 28059), (588, 28056), (591, 28044), (600, 28017), (601, 28014), (612, 27999), (634, 27993), (637, 27987), (657, 27954), (725, 27825), (749, 27765), (855, 27450), (858, 27441), (859, 27438), (862, 27420), (876, 27378), (880, 27372), (884, 27363), (895, 27348), (912, 27291), (970, 27132), (982, 27102), (985, 27093), (1004, 27033), (1007, 27009), (1025, 26970), (1039, 26937), (1040, 26925), (1058, 26865),

Gene: Audell_40 Start: 31335, Stop: 29554, Start Num: 245
Candidate Starts for Audell_40:
(Start: 218 @31377 has 14 MA's), (222, 31371), (Start: 245 @31335 has 14 MA's), (278, 31296), (300, 31254), (467, 30972), (474, 30954), (509, 30885), (517, 30861), (562, 30831), (591, 30792), (594, 30783), (632, 30711), (647, 30684), (657, 30669), (692, 30606), (721, 30549), (734, 30525), (736, 30519), (755, 30483), (759, 30471), (774, 30447), (815, 30333), (819, 30312), (822, 30306), (835, 30261), (851, 30210), (856, 30186), (862, 30159), (875, 30120), (890, 30093), (920, 30009), (932, 29976), (946, 29934), (948, 29928), (956, 29907), (979, 29853), (984, 29838), (999, 29811), (1008, 29772), (1026, 29742), (1037, 29715), (1041, 29694), (1042, 29691), (1045, 29673), (1054, 29658), (1093, 29565),

Gene: Audrey_58 Start: 53676, Stop: 51859, Start Num: 256
Candidate Starts for Audrey_58:
(137, 53859), (Start: 256 @53676 has 51 MA's), (280, 53646), (391, 53466), (463, 53313), (467, 53301), (481, 53271), (489, 53265), (511, 53202), (513, 53196), (567, 53145), (590, 53109), (609, 53061), (671, 52956), (718, 52860), (747, 52809), (796, 52665), (806, 52626), (814, 52596), (820, 52569), (824, 52557), (854, 52461), (856, 52455), (859, 52446), (861, 52434), (893, 52362), (904, 52332), (910, 52314), (915, 52305), (939, 52236), (944, 52224), (950, 52203), (985, 52134), (996, 52119), (1004, 52095), (1007, 52074), (1021, 52050), (1039, 52011), (1042, 51993), (1044, 51981), (1050, 51969), (1054, 51957), (1070, 51915), (1084, 51885),

Gene: AugsMagnumOpus_51 Start: 31845, Stop: 30031, Start Num: 254
Candidate Starts for AugsMagnumOpus_51:
(Start: 254 @31845 has 935 MA's), (284, 31806), (289, 31794), (386, 31641), (395, 31626), (426, 31569), (449, 31512), (455, 31503), (474, 31461), (494, 31410), (514, 31359), (591, 31266), (609, 31218), (618, 31209), (626, 31194), (647, 31155), (666, 31128), (680, 31098), (727, 31005), (734, 30993), (758, 30945), (767, 30930), (819, 30774), (847, 30687), (862, 30621), (875, 30582), (905, 30510), (920, 30471), (929, 30447), (935, 30429), (946, 30396), (956, 30369), (985, 30315), (1007, 30255), (1041, 30177), (1060, 30120), (1065, 30108), (1071, 30099),

Gene: Austelle_54 Start: 54652, Stop: 52829, Start Num: 208
Candidate Starts for Austelle_54:
(Start: 190 @54670 has 4 MA's), (Start: 208 @54652 has 32 MA's), (Start: 258 @54628 has 2 MA's), (280, 54601), (Start: 288 @54586 has 1 MA's), (300, 54565), (353, 54478), (415, 54373), (430, 54331), (464, 54265), (477, 54235), (481, 54226), (487, 54223), (489, 54220), (496, 54193), (567, 54100), (582, 54082), (590, 54064), (594, 54052), (599, 54037), (605, 54025), (641, 53962), (666, 53923), (670, 53914), (671, 53911), (684, 53881), (706, 53845), (796, 53620), (797, 53617), (806, 53581), (813, 53557), (820, 53524), (854, 53416), (856, 53410), (859, 53401), (904, 53302), (905, 53299), (910, 53284), (939, 53206), (944, 53194), (950, 53173), (953, 53164), (970, 53134), (985, 53104), (1000, 53077), (1007, 53044), (1021, 53020), (1039, 52981), (1042, 52963), (1044, 52951), (1054, 52927), (1070, 52885), (1073, 52879), (1084, 52855),

Gene: AvGardian_44 Start: 29897, Stop: 31789, Start Num: 241
Candidate Starts for AvGardian_44:
(Start: 241 @29897 has 65 MA's), (Start: 299 @29966 has 1 MA's), (315, 29987), (439, 30209), (455, 30233), (463, 30245), (464, 30248), (609, 30503), (647, 30569), (766, 30821), (804, 30944), (813, 30974), (819, 31004), (822, 31010), (836, 31055), (845, 31085), (853, 31121), (856, 31130), (862, 31157), (903, 31250), (936, 31343), (967, 31421), (969, 31424), (1003, 31493), (1007, 31517), (1012, 31532), (1037, 31574), (1060, 31652), (1071, 31673), (1073, 31676), (1081, 31697),

Gene: AvatarAhPeg_44 Start: 32048, Stop: 30219, Start Num: 254
Candidate Starts for AvatarAhPeg_44:
(Start: 254 @32048 has 935 MA's), (289, 31997), (413, 31805), (421, 31787), (449, 31715), (455, 31706), (505, 31586), (514, 31562), (591, 31469), (611, 31421), (626, 31400), (647, 31361), (675, 31316), (678, 31310), (719, 31229), (725, 31220), (732, 31208), (755, 31163), (759, 31151), (819, 30977), (850, 30881), (855, 30854), (856, 30851), (862, 30824), (875, 30785), (904, 30716), (905, 30713), (910, 30698), (920, 30674), (929, 30650), (931, 30644), (1007, 30443), (1060, 30308), (1065, 30296), (1071, 30287),

Gene: Avle17_45 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for Avle17_45:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Avocadoman_41 Start: 29025, Stop: 30899, Start Num: 241
Candidate Starts for Avocadoman_41:
(Start: 241 @29025 has 65 MA's), (315, 29115), (455, 29361), (464, 29376), (474, 29403), (647, 29697), (719, 29832), (766, 29931), (804, 30054), (819, 30114), (822, 30120), (836, 30165), (843, 30180), (845, 30195), (853, 30231), (862, 30267), (903, 30360), (936, 30453), (967, 30531), (1003, 30603), (1012, 30642), (1037, 30684), (1040, 30702), (1053, 30738), (1060, 30762), (1071, 30783),

Gene: AxiPup_39 Start: 28904, Stop: 27039, Start Num: 339
Candidate Starts for AxiPup_39:
(Start: 275 @28991 has 3 MA's), (Start: 277 @28988 has 1 MA's), (Start: 339 @28904 has 121 MA's), (Start: 342 @28895 has 5 MA's), (392, 28790), (398, 28781), (418, 28751), (419, 28748), (472, 28628), (476, 28616), (478, 28610), (518, 28505), (525, 28478), (582, 28337), (587, 28331), (588, 28328), (591, 28316), (600, 28289), (601, 28286), (612, 28271), (634, 28265), (637, 28259), (657, 28226), (725, 28097), (749, 28037), (780, 27962), (855, 27722), (858, 27713), (859, 27710), (862, 27692), (876, 27650), (880, 27644), (884, 27635), (895, 27620), (912, 27563), (970, 27404), (982, 27374), (985, 27365), (1004, 27305), (1007, 27281), (1025, 27242), (1039, 27209), (1040, 27197), (1058, 27137),

Gene: Axumite_51 Start: 45981, Stop: 44164, Start Num: 251
Candidate Starts for Axumite_51:
(76, 46302), (87, 46278), (Start: 251 @45981 has 15 MA's), (280, 45945), (Start: 288 @45930 has 1 MA's), (305, 45900), (378, 45774), (437, 45651), (442, 45636), (469, 45594), (511, 45498), (590, 45405), (658, 45276), (671, 45252), (800, 44940), (806, 44922), (820, 44865), (856, 44751), (859, 44742), (881, 44679), (905, 44640), (910, 44625), (939, 44547), (944, 44535), (950, 44514), (953, 44505), (1000, 44418), (1008, 44382), (1012, 44370), (1036, 44331), (1039, 44322), (1041, 44307), (1054, 44262), (1073, 44214), (1084, 44190),

Gene: Axym_42 Start: 32451, Stop: 30058, Start Num: 45

Candidate Starts for Axym_42:
(Start: 45 @32451 has 21 MA's), (59, 32445), (Start: 75 @32397 has 1 MA's), (93, 32355), (103, 32331), (152, 32205), (165, 32181), (213, 32136), (247, 32085), (260, 32070), (Start: 277 @32049 has 1 MA's), (307, 32001), (333, 31959), (367, 31884), (373, 31872), (417, 31803), (427, 31776), (429, 31770), (434, 31755), (459, 31701), (461, 31698), (469, 31680), (476, 31659), (497, 31599), (537, 31476), (539, 31470), (569, 31401), (591, 31359), (668, 31272), (684, 31248), (706, 31242), (716, 31218), (720, 31209), (727, 31194), (733, 31182), (753, 31140), (754, 31137), (755, 31134), (807, 30987), (825, 30918), (827, 30912), (841, 30876), (862, 30783), (874, 30747), (876, 30741), (880, 30735), (883, 30729), (905, 30672), (912, 30648), (925, 30603), (1057, 30225), (1058, 30222), (1072, 30177), (1076, 30168), (1101, 30108),

Gene: Ayanochan_46 Start: 31538, Stop: 29745, Start Num: 254
Candidate Starts for Ayanochan_46:
(Start: 254 @31538 has 935 MA's), (261, 31529), (289, 31487), (369, 31367), (371, 31364), (396, 31316), (427, 31256), (437, 31226), (441, 31214), (449, 31202), (514, 31049), (591, 30956), (666, 30818), (680, 30788), (759, 30629), (767, 30617), (785, 30590), (815, 30482), (819, 30461), (859, 30326), (862, 30308), (904, 30227), (920, 30185), (946, 30110), (983, 30035), (1003, 29993), (1041, 29891), (1060, 29834), (1065, 29822), (1071, 29813),

Gene: AylexOG_44 Start: 29970, Stop: 31844, Start Num: 241
Candidate Starts for AylexOG_44:
(Start: 238 @29967 has 7 MA's), (Start: 241 @29970 has 65 MA's), (Start: 299 @30039 has 1 MA's), (315, 30060), (386, 30177), (426, 30240), (455, 30306), (474, 30348), (647, 30642), (719, 30777), (766, 30876), (804, 30999), (819, 31059), (822, 31065), (836, 31110), (843, 31125), (845, 31140), (853, 31176), (862, 31212), (903, 31305), (936, 31398), (967, 31476), (1003, 31548), (1012, 31587), (1037, 31629), (1040, 31647), (1060, 31707), (1071, 31728),

Gene: Azira_40 Start: 32021, Stop: 29664, Start Num: 57
Candidate Starts for Azira_40:
(55, 32030), (Start: 57 @32021 has 26 MA's), (63, 32006), (74, 31970), (131, 31835), (165, 31772), (Start: 210 @31730 has 3 MA's), (Start: 219 @31718 has 1 MA's), (292, 31616), (297, 31613), (341, 31538), (358, 31499), (367, 31478), (403, 31427), (424, 31385), (434, 31355), (459, 31301), (469, 31280), (476, 31259), (498, 31196), (541, 31061), (546, 31046), (560, 31019), (569, 31001), (611, 30917), (664, 30881), (733, 30788), (753, 30746), (754, 30743), (755, 30740), (768, 30716), (774, 30704), (778, 30692), (816, 30551), (825, 30524), (862, 30389), (874, 30353), (876, 30347), (880, 30341), (883, 30335), (897, 30311), (905, 30278), (912, 30254), (925, 30209), (927, 30203), (947, 30143), (991, 30035), (1009, 29966), (1013, 29954), (1027, 29930), (1050, 29852), (1058, 29828), (1081, 29759),

Gene: B1_42 Start: 30729, Stop: 28891, Start Num: 254
Candidate Starts for B1_42:
(202, 30801), (Start: 254 @30729 has 935 MA's), (289, 30678), (386, 30525), (413, 30486), (426, 30453), (449, 30396), (455, 30387), (463, 30375), (505, 30267), (514, 30243), (591, 30147), (611, 30099), (647, 30039), (719, 29907), (732, 29886), (767, 29817), (787, 29772), (798, 29730), (819, 29649), (847, 29562), (855, 29526), (862, 29496), (905, 29385), (920, 29346), (929, 29322), (935, 29304), (983, 29181), (985, 29175), (1007, 29115), (1059, 28983), (1060, 28980), (1065, 28968), (1071, 28959),

Gene: BABullseye_43 Start: 29170, Stop: 27329, Start Num: 254
Candidate Starts for BABullseye_43:
(Start: 254 @29170 has 935 MA's), (386, 28966), (426, 28891), (427, 28888), (436, 28861), (441, 28846), (449, 28834), (474, 28783), (510, 28693), (514, 28681), (591, 28588), (605, 28549), (618, 28531), (626, 28516), (666, 28450), (681, 28417), (683, 28414), (735, 28312), (767, 28252), (798,

28168), (819, 28087), (846, 28003), (847, 28000), (850, 27991), (855, 27964), (862, 27934), (899, 27874), (910, 27835), (1003, 27619), (1004, 27616), (1007, 27595), (1060, 27460), (1065, 27448), (1071, 27439), (1073, 27436), (1111, 27343),

Gene: BAjuniper_43 Start: 30818, Stop: 32689, Start Num: 241
Candidate Starts for BAjuniper_43:
(Start: 241 @30818 has 65 MA's), (315, 30908), (371, 30995), (386, 31025), (455, 31154), (624, 31445), (647, 31490), (657, 31505), (708, 31598), (804, 31844), (819, 31904), (836, 31955), (843, 31970), (853, 32021), (856, 32030), (862, 32057), (903, 32150), (929, 32222), (936, 32243), (967, 32321), (969, 32324), (1003, 32393), (1037, 32474), (1039, 32480), (1053, 32528), (1060, 32552), (1071, 32573), (1081, 32597),

Gene: BFK20_ORF44 Start: 37992, Stop: 36088, Start Num: 212
Candidate Starts for BFK20_ORF44:
(Start: 212 @37992 has 1 MA's), (271, 37932), (Start: 288 @37905 has 1 MA's), (300, 37881), (Start: 304 @37875 has 2 MA's), (331, 37833), (347, 37800), (362, 37758), (367, 37743), (385, 37710), (388, 37704), (436, 37599), (442, 37581), (463, 37557), (469, 37542), (474, 37530), (503, 37461), (564, 37392), (580, 37374), (590, 37350), (599, 37323), (671, 37194), (673, 37191), (684, 37164), (737, 37068), (741, 37056), (744, 37050), (803, 36873), (820, 36807), (856, 36690), (906, 36576), (910, 36564), (927, 36522), (929, 36516), (935, 36498), (939, 36486), (944, 36474), (950, 36453), (971, 36411), (982, 36393), (995, 36357), (1008, 36306), (1039, 36246), (1054, 36192), (1060, 36171), (1084, 36114),

Gene: BK1_41 Start: 33551, Stop: 31725, Start Num: 254
Candidate Starts for BK1_41:
(Start: 254 @33551 has 935 MA's), (391, 33338), (400, 33323), (426, 33275), (436, 33245), (443, 33224), (449, 33218), (455, 33209), (491, 33125), (494, 33116), (504, 33092), (514, 33065), (591, 32972), (596, 32957), (603, 32936), (609, 32924), (639, 32873), (641, 32870), (675, 32816), (680, 32804), (701, 32774), (711, 32744), (734, 32699), (755, 32660), (819, 32480), (834, 32432), (847, 32393), (862, 32327), (875, 32288), (899, 32267), (904, 32246), (910, 32228), (935, 32162), (1003, 32012), (1004, 32009), (1012, 31973), (1029, 31949), (1034, 31940), (1038, 31928), (1060, 31853), (1071, 31832),

Gene: BPBiebs31_45 Start: 34673, Stop: 32844, Start Num: 254
Candidate Starts for BPBiebs31_45:
(Start: 254 @34673 has 935 MA's), (391, 34460), (426, 34397), (436, 34367), (443, 34346), (449, 34340), (455, 34331), (504, 34214), (514, 34187), (591, 34094), (596, 34079), (639, 33995), (641, 33992), (680, 33926), (701, 33896), (711, 33866), (734, 33821), (755, 33782), (819, 33602), (834, 33554), (850, 33506), (859, 33467), (862, 33449), (875, 33410), (899, 33389), (904, 33368), (909, 33353), (953, 33230), (1035, 33059), (1040, 33035), (1057, 32987), (1060, 32975), (1071, 32954), (1075, 32948), (1094, 32900), (1101, 32885),

Gene: BRock_133 Start: 70485, Stop: 72557, Start Num: 282
Candidate Starts for BRock_133:
(240, 70437), (252, 70449), (260, 70458), (263, 70461), (Start: 282 @70485 has 7 MA's), (345, 70575), (369, 70626), (371, 70629), (376, 70641), (391, 70674), (467, 70845), (484, 70884), (495, 70920), (557, 71040), (583, 71094), (586, 71097), (647, 71229), (651, 71235), (659, 71250), (687, 71301), (821, 71685), (849, 71802), (852, 71820), (881, 71916), (887, 71928), (901, 71982), (920, 72042), (924, 72051), (927, 72060), (941, 72102), (974, 72186), (979, 72204), (984, 72219), (993, 72246), (1012, 72318), (1013, 72321), (1060, 72465), (1080, 72519),

Gene: Baby16_45 Start: 31581, Stop: 29755, Start Num: 254
Candidate Starts for Baby16_45:

(Start: 254 @31581 has 935 MA's), (271, 31560), (289, 31530), (305, 31500), (413, 31338), (421, 31320), (449, 31248), (455, 31239), (505, 31119), (514, 31095), (591, 31002), (611, 30954), (626, 30933), (647, 30894), (719, 30762), (732, 30741), (755, 30696), (759, 30684), (815, 30531), (819, 30510), (855, 30387), (862, 30357), (875, 30318), (904, 30252), (905, 30249), (910, 30234), (920, 30210), (929, 30186), (1007, 29979), (1060, 29844), (1065, 29832), (1071, 29823),

Gene: BabyBack_43 Start: 31842, Stop: 30049, Start Num: 254
Candidate Starts for BabyBack_43:
(130, 32046), (Start: 254 @31842 has 935 MA's), (426, 31563), (427, 31560), (436, 31533), (441, 31518), (449, 31506), (455, 31497), (510, 31365), (514, 31353), (591, 31260), (609, 31212), (618, 31203), (626, 31188), (666, 31122), (688, 31077), (708, 31041), (819, 30765), (846, 30681), (855, 30642), (862, 30612), (875, 30573), (902, 30540), (904, 30531), (1003, 30297), (1041, 30195), (1060, 30138), (1065, 30126), (1071, 30117),

Gene: BabyDaisy_42 Start: 29859, Stop: 31733, Start Num: 241
Candidate Starts for BabyDaisy_42:
(Start: 238 @29856 has 7 MA's), (Start: 241 @29859 has 65 MA's), (Start: 299 @29928 has 1 MA's), (315, 29949), (455, 30195), (501, 30291), (647, 30531), (766, 30765), (803, 30885), (804, 30888), (819, 30948), (822, 30954), (843, 31014), (845, 31029), (853, 31065), (862, 31101), (903, 31194), (967, 31365), (969, 31368), (1003, 31437), (1012, 31476), (1037, 31518), (1040, 31536), (1053, 31572), (1060, 31596), (1071, 31617),

Gene: BabyGotBac_49 Start: 39369, Stop: 37369, Start Num: 327
Candidate Starts for BabyGotBac_49:
(Start: 327 @39369 has 11 MA's), (371, 39300), (435, 39168), (437, 39162), (438, 39156), (463, 39108), (467, 39096), (470, 39090), (477, 39069), (485, 39054), (507, 38985), (550, 38844), (589, 38748), (628, 38661), (645, 38637), (653, 38625), (662, 38613), (700, 38544), (759, 38397), (801, 38292), (806, 38277), (822, 38220), (829, 38199), (841, 38157), (848, 38127), (855, 38094), (867, 38040), (874, 38010), (891, 37941), (899, 37920), (920, 37857), (927, 37839), (931, 37827), (939, 37803), (1007, 37602), (1008, 37599), (1038, 37545), (1041, 37527), (1053, 37494), (1060, 37470), (1083, 37422),

Gene: BabyJohn_43 Start: 31521, Stop: 29683, Start Num: 254
Candidate Starts for BabyJohn_43:
(202, 31593), (Start: 254 @31521 has 935 MA's), (289, 31470), (386, 31317), (413, 31278), (426, 31245), (449, 31188), (455, 31179), (463, 31167), (505, 31059), (514, 31035), (517, 31026), (591, 30939), (611, 30891), (647, 30831), (683, 30768), (732, 30678), (787, 30564), (819, 30441), (847, 30354), (855, 30318), (862, 30288), (905, 30177), (920, 30138), (929, 30114), (935, 30096), (936, 30093), (983, 29973), (985, 29967), (1007, 29907), (1059, 29775), (1060, 29772), (1065, 29760), (1071, 29751),

Gene: BabyRay_45 Start: 31465, Stop: 29627, Start Num: 254
Candidate Starts for BabyRay_45:
(Start: 254 @31465 has 935 MA's), (289, 31414), (386, 31261), (391, 31252), (422, 31201), (426, 31189), (449, 31132), (455, 31123), (505, 31003), (510, 30991), (514, 30979), (591, 30883), (611, 30835), (647, 30775), (683, 30712), (719, 30643), (732, 30622), (767, 30553), (770, 30547), (787, 30508), (819, 30385), (847, 30298), (855, 30262), (862, 30232), (873, 30202), (905, 30121), (920, 30082), (929, 30058), (935, 30040), (985, 29911), (1007, 29851), (1060, 29716), (1065, 29704), (1071, 29695),

Gene: BabyYoda_43 Start: 30631, Stop: 32505, Start Num: 241
Candidate Starts for BabyYoda_43:

(Start: 241 @30631 has 65 MA's), (Start: 299 @30700 has 1 MA's), (315, 30721), (426, 30901), (455, 30967), (464, 30982), (474, 31009), (647, 31303), (766, 31537), (803, 31657), (804, 31660), (819, 31720), (822, 31726), (836, 31771), (843, 31786), (845, 31801), (853, 31837), (862, 31873), (903, 31966), (936, 32059), (967, 32137), (969, 32140), (1003, 32209), (1007, 32233), (1012, 32248), (1037, 32290), (1040, 32308), (1060, 32368), (1071, 32389),

Gene: Bachaco_40 Start: 30596, Stop: 32467, Start Num: 241
Candidate Starts for Bachaco_40:
(Start: 241 @30596 has 65 MA's), (Start: 299 @30665 has 1 MA's), (373, 30779), (455, 30932), (501, 31028), (602, 31187), (624, 31223), (647, 31268), (657, 31283), (708, 31376), (755, 31466), (819, 31682), (836, 31733), (843, 31748), (853, 31799), (856, 31808), (862, 31835), (903, 31928), (929, 32000), (967, 32099), (1003, 32171), (1007, 32195), (1037, 32252), (1053, 32306), (1060, 32330), (1071, 32351),

Gene: Bachome_46 Start: 30764, Stop: 28977, Start Num: 254
Candidate Starts for Bachome_46:
(Start: 254 @30764 has 935 MA's), (386, 30560), (426, 30488), (436, 30458), (449, 30431), (593, 30179), (618, 30128), (666, 30047), (688, 30002), (690, 29999), (732, 29918), (759, 29861), (786, 29819), (798, 29774), (819, 29693), (836, 29642), (847, 29606), (862, 29540), (899, 29480), (902, 29468), (938, 29366), (946, 29342), (951, 29324), (985, 29261), (1000, 29234), (1003, 29225), (1007, 29201), (1060, 29066), (1065, 29054), (1071, 29045),

Gene: Backyardigan_43 Start: 31552, Stop: 29723, Start Num: 254
Candidate Starts for Backyardigan_43:
(Start: 254 @31552 has 935 MA's), (289, 31501), (305, 31471), (413, 31309), (421, 31291), (426, 31276), (449, 31219), (455, 31210), (505, 31090), (514, 31066), (562, 31024), (591, 30973), (611, 30925), (626, 30904), (647, 30865), (675, 30820), (678, 30814), (719, 30733), (732, 30712), (755, 30667), (815, 30502), (819, 30481), (862, 30328), (875, 30289), (905, 30217), (910, 30202), (920, 30178), (927, 30160), (929, 30154), (931, 30148), (1007, 29947), (1060, 29812), (1065, 29800), (1071, 29791),

Gene: BaconJack_48 Start: 35612, Stop: 33786, Start Num: 254
Candidate Starts for BaconJack_48:
(Start: 254 @35612 has 935 MA's), (391, 35399), (400, 35384), (426, 35336), (436, 35306), (443, 35285), (449, 35279), (455, 35270), (504, 35153), (514, 35126), (591, 35033), (596, 35018), (639, 34934), (641, 34931), (680, 34865), (711, 34805), (734, 34760), (755, 34721), (819, 34541), (830, 34511), (834, 34493), (836, 34490), (847, 34454), (862, 34388), (902, 34316), (904, 34307), (905, 34304), (935, 34223), (1003, 34073), (1004, 34070), (1012, 34034), (1029, 34010), (1034, 34001), (1038, 33989), (1041, 33971), (1060, 33914), (1071, 33893),

Gene: Bactobuster_43 Start: 32277, Stop: 30487, Start Num: 254
Candidate Starts for Bactobuster_43:
(Start: 254 @32277 has 935 MA's), (386, 32073), (391, 32064), (427, 31995), (436, 31968), (449, 31941), (514, 31788), (591, 31695), (609, 31647), (618, 31638), (626, 31623), (666, 31557), (681, 31524), (725, 31440), (767, 31359), (786, 31329), (819, 31203), (830, 31173), (836, 31152), (855, 31080), (862, 31050), (875, 31011), (899, 30990), (904, 30969), (975, 30789), (983, 30777), (1003, 30735), (1007, 30711), (1037, 30654), (1041, 30633), (1060, 30576), (1065, 30564), (1071, 30555),

Gene: Badfish_61 Start: 54554, Stop: 52695, Start Num: 215
Candidate Starts for Badfish_61:
(Start: 198 @54578 has 1 MA's), (Start: 215 @54554 has 328 MA's), (Start: 245 @54530 has 14 MA's), (Start: 258 @54524 has 2 MA's), (Start: 288 @54482 has 1 MA's), (300, 54461), (360, 54347), (363, 54341), (382, 54311), (418, 54251), (425, 54230), (442, 54176), (454, 54164), (464, 54146),

(469, 54134), (511, 54029), (567, 53972), (590, 53936), (594, 53924), (605, 53897), (620, 53870), (630, 53852), (641, 53834), (666, 53795), (670, 53786), (671, 53783), (783, 53525), (813, 53423), (820, 53390), (827, 53369), (856, 53276), (859, 53267), (881, 53204), (904, 53168), (905, 53165), (910, 53150), (939, 53072), (944, 53060), (950, 53039), (970, 53000), (1007, 52910), (1018, 52892), (1021, 52886), (1029, 52871), (1039, 52847), (1041, 52832), (1042, 52829), (1044, 52817), (1054, 52793), (1073, 52745), (1084, 52721),

Gene: Badger_43 Start: 31520, Stop: 29691, Start Num: 254
Candidate Starts for Badger_43:
(Start: 254 @31520 has 935 MA's), (289, 31469), (305, 31439), (413, 31277), (421, 31259), (426, 31244), (449, 31187), (455, 31178), (505, 31058), (514, 31034), (562, 30992), (591, 30941), (611, 30893), (626, 30872), (647, 30833), (675, 30788), (678, 30782), (719, 30701), (732, 30680), (755, 30635), (815, 30470), (819, 30449), (862, 30296), (875, 30257), (905, 30185), (910, 30170), (920, 30146), (927, 30128), (929, 30122), (931, 30116), (1007, 29915), (1060, 29780), (1065, 29768), (1071, 29759),

Gene: Baee_59 Start: 55561, Stop: 53708, Start Num: 208
Candidate Starts for Baee_59:
(122, 55720), (155, 55639), (Start: 208 @55561 has 32 MA's), (Start: 239 @55516 has 1 MA's), (280, 55480), (321, 55420), (464, 55159), (487, 55117), (498, 55081), (511, 55051), (590, 54958), (594, 54946), (603, 54922), (609, 54910), (620, 54892), (658, 54829), (671, 54805), (725, 54700), (797, 54511), (800, 54493), (814, 54445), (820, 54418), (827, 54397), (854, 54310), (856, 54304), (859, 54295), (863, 54274), (893, 54211), (905, 54178), (910, 54163), (933, 54103), (939, 54085), (944, 54073), (950, 54052), (953, 54043), (955, 54040), (1007, 53923), (1021, 53899), (1039, 53860), (1041, 53845), (1042, 53842), (1054, 53806), (1055, 53803), (1084, 53734),

Gene: Baehexic_43 Start: 31482, Stop: 29695, Start Num: 254
Candidate Starts for Baehexic_43:
(Start: 254 @31482 has 935 MA's), (386, 31278), (388, 31275), (391, 31269), (413, 31239), (426, 31206), (427, 31203), (436, 31176), (449, 31149), (474, 31098), (514, 30996), (591, 30903), (609, 30855), (618, 30846), (626, 30831), (666, 30765), (708, 30684), (732, 30636), (798, 30492), (819, 30411), (836, 30360), (846, 30327), (862, 30258), (875, 30219), (899, 30198), (904, 30177), (908, 30165), (983, 29985), (985, 29979), (1003, 29943), (1007, 29919), (1041, 29841), (1060, 29784), (1065, 29772),

Gene: BaileyBlu_41 Start: 29217, Stop: 31091, Start Num: 254
Candidate Starts for BaileyBlu_41:
(121, 29007), (Start: 254 @29217 has 935 MA's), (Start: 258 @29223 has 2 MA's), (269, 29235), (411, 29448), (427, 29487), (593, 29811), (647, 29919), (657, 29934), (708, 30024), (732, 30072), (819, 30330), (830, 30360), (848, 30420), (853, 30447), (855, 30453), (943, 30687), (1003, 30819), (1007, 30843), (1021, 30867), (1034, 30891), (1042, 30924), (1060, 30978), (1064, 30987), (1076, 31008), (1102, 31074),

Gene: Baines_38 Start: 28622, Stop: 26757, Start Num: 339
Candidate Starts for Baines_38:
(Start: 275 @28709 has 3 MA's), (Start: 339 @28622 has 121 MA's), (Start: 342 @28613 has 5 MA's), (392, 28508), (398, 28499), (418, 28469), (419, 28466), (472, 28346), (476, 28334), (478, 28328), (518, 28223), (525, 28196), (582, 28055), (587, 28049), (588, 28046), (591, 28034), (600, 28007), (601, 28004), (612, 27989), (634, 27983), (637, 27977), (657, 27944), (725, 27815), (749, 27755), (855, 27440), (858, 27431), (859, 27428), (862, 27410), (876, 27368), (880, 27362), (895, 27338), (912, 27281), (970, 27122), (982, 27092), (985, 27083), (1004, 27023), (1007, 26999), (1025, 26960), (1039, 26927), (1040, 26915), (1058, 26855),

Gene: Balloona_44 Start: 33879, Stop: 31498, Start Num: 58
Candidate Starts for Balloona_44:
(Start: 58 @33879 has 15 MA's), (80, 33819), (99, 33777), (115, 33738), (165, 33618), (176, 33597), (213, 33573), (270, 33495), (Start: 275 @33489 has 3 MA's), (Start: 277 @33486 has 1 MA's), (297, 33456), (323, 33408), (341, 33381), (Start: 342 @33378 has 5 MA's), (367, 33321), (392, 33282), (406, 33261), (426, 33219), (434, 33195), (437, 33186), (438, 33180), (441, 33174), (459, 33141), (469, 33120), (476, 33099), (537, 32916), (569, 32841), (591, 32799), (668, 32712), (706, 32688), (716, 32664), (720, 32655), (730, 32634), (754, 32583), (755, 32580), (761, 32565), (773, 32544), (810, 32418), (823, 32370), (825, 32361), (841, 32319), (862, 32226), (874, 32190), (876, 32184), (880, 32178), (883, 32172), (905, 32115), (912, 32091), (945, 31986), (946, 31983), (986, 31890), (991, 31872), (1004, 31833), (1013, 31791), (1027, 31767), (1039, 31737), (1050, 31689), (1058, 31665), (1072, 31620), (1099, 31554), (1108, 31533), (1109, 31527), (1113, 31521),

Gene: Baloo_58 Start: 53679, Stop: 51862, Start Num: 256
Candidate Starts for Baloo_58:
(65, 54063), (137, 53862), (Start: 256 @53679 has 51 MA's), (280, 53649), (391, 53469), (463, 53316), (467, 53304), (481, 53274), (489, 53268), (511, 53205), (513, 53199), (567, 53148), (590, 53112), (609, 53064), (671, 52959), (718, 52863), (747, 52812), (796, 52668), (806, 52629), (814, 52599), (820, 52572), (824, 52560), (854, 52464), (856, 52458), (859, 52449), (861, 52437), (893, 52365), (904, 52335), (910, 52317), (915, 52308), (939, 52239), (944, 52227), (950, 52206), (985, 52137), (996, 52122), (1004, 52098), (1007, 52077), (1021, 52053), (1039, 52014), (1042, 51996), (1044, 51984), (1050, 51972), (1054, 51960), (1070, 51918), (1084, 51888),

Gene: Balsa_38 Start: 29055, Stop: 27190, Start Num: 339
Candidate Starts for Balsa_38:
(Start: 339 @29055 has 121 MA's), (Start: 342 @29046 has 5 MA's), (471, 28782), (476, 28767), (478, 28761), (525, 28629), (540, 28575), (582, 28488), (588, 28479), (591, 28467), (600, 28440), (601, 28437), (612, 28422), (634, 28416), (789, 28086), (855, 27873), (858, 27864), (859, 27861), (862, 27843), (876, 27801), (897, 27771), (912, 27714), (970, 27555), (982, 27525), (1004, 27456), (1007, 27432), (1025, 27393), (1039, 27360), (1040, 27348),

Gene: Bananafish_57 Start: 52489, Stop: 50660, Start Num: 215
Candidate Starts for Bananafish_57:
(Start: 215 @52489 has 328 MA's), (Start: 258 @52462 has 2 MA's), (Start: 282 @52432 has 7 MA's), (Start: 288 @52420 has 1 MA's), (Start: 304 @52393 has 2 MA's), (305, 52390), (314, 52381), (338, 52363), (388, 52267), (418, 52216), (426, 52192), (496, 52030), (506, 52006), (511, 51994), (567, 51937), (590, 51901), (594, 51889), (603, 51865), (652, 51781), (670, 51751), (671, 51748), (684, 51718), (753, 51574), (778, 51508), (792, 51469), (796, 51457), (800, 51436), (806, 51418), (820, 51361), (850, 51277), (856, 51247), (859, 51238), (879, 51172), (902, 51145), (904, 51136), (910, 51118), (920, 51094), (939, 51040), (944, 51028), (950, 51007), (985, 50938), (1007, 50878), (1018, 50860), (1035, 50827), (1039, 50815), (1041, 50800), (1042, 50797), (1044, 50785), (1054, 50761), (1055, 50758), (1073, 50710), (1075, 50707), (1084, 50686), (1091, 50665),

Gene: Bandik_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for Bandik_39:
(Start: 275 @29017 has 3 MA's), (Start: 277 @29014 has 1 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (749, 28063), (789, 27961), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: BangNhom_46 Start: 31992, Stop: 30166, Start Num: 254
Candidate Starts for BangNhom_46:
(Start: 254 @31992 has 935 MA's), (Start: 288 @31944 has 1 MA's), (386, 31788), (426, 31716), (449, 31659), (455, 31650), (505, 31530), (514, 31506), (591, 31413), (611, 31365), (626, 31344), (647, 31305), (675, 31260), (719, 31173), (725, 31164), (732, 31152), (755, 31107), (759, 31095), (815, 30942), (819, 30921), (855, 30798), (862, 30768), (875, 30729), (904, 30663), (905, 30660), (920, 30621), (929, 30597), (1007, 30390), (1060, 30255), (1065, 30243), (1071, 30234),

Gene: Banjo_59 Start: 54043, Stop: 52184, Start Num: 215
Candidate Starts for Banjo_59:
(Start: 198 @54067 has 1 MA's), (Start: 215 @54043 has 328 MA's), (Start: 245 @54019 has 14 MA's), (Start: 258 @54013 has 2 MA's), (Start: 288 @53971 has 1 MA's), (300, 53950), (360, 53836), (363, 53830), (382, 53800), (418, 53740), (425, 53719), (442, 53665), (454, 53653), (464, 53635), (469, 53623), (511, 53518), (567, 53461), (590, 53425), (594, 53413), (605, 53386), (620, 53359), (630, 53341), (641, 53323), (666, 53284), (670, 53275), (671, 53272), (673, 53269), (813, 52912), (820, 52879), (827, 52858), (856, 52765), (859, 52756), (881, 52693), (904, 52657), (905, 52654), (910, 52639), (939, 52561), (944, 52549), (950, 52528), (970, 52489), (1007, 52399), (1018, 52381), (1021, 52375), (1029, 52360), (1039, 52336), (1041, 52321), (1042, 52318), (1044, 52306), (1054, 52282), (1073, 52234), (1084, 52210),

Gene: BarnCat_62 Start: 37491, Stop: 35530, Start Num: 322
Candidate Starts for BarnCat_62:
(Start: 322 @37491 has 13 MA's), (354, 37431), (371, 37413), (396, 37371), (407, 37359), (426, 37317), (439, 37272), (453, 37248), (456, 37242), (497, 37134), (500, 37122), (570, 36969), (581, 36948), (594, 36915), (619, 36864), (629, 36843), (635, 36834), (672, 36777), (682, 36753), (689, 36741), (740, 36633), (753, 36603), (796, 36516), (799, 36498), (800, 36495), (801, 36492), (804, 36483), (832, 36375), (856, 36291), (907, 36072), (919, 36027), (942, 35961), (957, 35919), (971, 35889), (989, 35838), (990, 35832), (998, 35808), (1005, 35781), (1007, 35769), (1008, 35766), (1035, 35712), (1040, 35688), (1042, 35682), (1060, 35628), (1086, 35574),

Gene: Barnstormer_47 Start: 31148, Stop: 33013, Start Num: 254
Candidate Starts for Barnstormer_47:
(153, 31028), (162, 31046), (Start: 254 @31148 has 935 MA's), (332, 31256), (642, 31844), (647, 31850), (732, 32003), (762, 32066), (819, 32261), (841, 32324), (853, 32378), (855, 32384), (863, 32417), (936, 32600), (1060, 32909), (1096, 32987), (1105, 33008),

Gene: BaronJohn_37 Start: 27578, Stop: 25713, Start Num: 337
Candidate Starts for BaronJohn_37:
(Start: 337 @27578 has 44 MA's), (341, 27572), (387, 27473), (392, 27464), (408, 27440), (418, 27425), (420, 27419), (438, 27368), (441, 27365), (478, 27284), (531, 27134), (533, 27131), (569, 27032), (587, 27005), (588, 27002), (591, 26990), (601, 26960), (634, 26939), (654, 26903), (731, 26756), (798, 26576), (855, 26396), (862, 26366), (883, 26312), (895, 26294), (912, 26237), (918, 26210), (933, 26168), (982, 26048), (985, 26039), (1004, 25979), (1007, 25955), (1011, 25943), (1015, 25934), (1025, 25916), (1039, 25883), (1058, 25811),

Gene: Barriga_45 Start: 34327, Stop: 32501, Start Num: 254
Candidate Starts for Barriga_45:
(Start: 254 @34327 has 935 MA's), (391, 34114), (400, 34099), (426, 34051), (436, 34021), (443, 34000), (449, 33994), (455, 33985), (491, 33901), (504, 33868), (514, 33841), (591, 33748), (596, 33733), (639, 33649), (641, 33646), (680, 33580), (711, 33520), (734, 33475), (755, 33436), (819, 33256), (834, 33208), (847, 33169), (862, 33103), (875, 33064), (899, 33043), (904, 33022), (910, 33004), (935, 32938), (1003, 32788), (1004, 32785), (1012, 32749), (1029, 32725), (1034, 32716), (1038, 32704), (1043, 32677), (1060, 32629), (1071, 32608),

Gene: BarrowTuph_45 Start: 34815, Stop: 32989, Start Num: 254
Candidate Starts for BarrowTuph_45:
(Start: 254 @34815 has 935 MA's), (391, 34602), (426, 34539), (436, 34509), (443, 34488), (449, 34482), (455, 34473), (504, 34356), (514, 34329), (591, 34236), (596, 34221), (639, 34137), (641, 34134), (680, 34068), (701, 34038), (711, 34008), (734, 33963), (755, 33924), (819, 33744), (834, 33696), (836, 33693), (847, 33657), (862, 33591), (875, 33552), (899, 33531), (904, 33510), (910, 33492), (935, 33426), (1003, 33276), (1004, 33273), (1012, 33237), (1029, 33213), (1034, 33204), (1038, 33192), (1060, 33117), (1071, 33096),

Gene: Bartimeaus_45 Start: 31572, Stop: 29746, Start Num: 254
Candidate Starts for Bartimeaus_45:
(Start: 254 @31572 has 935 MA's), (271, 31551), (289, 31521), (305, 31491), (413, 31329), (421, 31311), (449, 31239), (455, 31230), (505, 31110), (514, 31086), (591, 30993), (611, 30945), (626, 30924), (647, 30885), (719, 30753), (732, 30732), (755, 30687), (759, 30675), (815, 30522), (819, 30501), (855, 30378), (862, 30348), (875, 30309), (904, 30243), (905, 30240), (910, 30225), (920, 30201), (929, 30177), (1007, 29970), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: Basato_61 Start: 54317, Stop: 52458, Start Num: 215
Candidate Starts for Basato_61:
(Start: 198 @54341 has 1 MA's), (Start: 215 @54317 has 328 MA's), (Start: 245 @54293 has 14 MA's), (Start: 258 @54287 has 2 MA's), (Start: 288 @54245 has 1 MA's), (300, 54224), (360, 54110), (363, 54104), (382, 54074), (418, 54014), (425, 53993), (442, 53939), (454, 53927), (464, 53909), (469, 53897), (511, 53792), (567, 53735), (590, 53699), (594, 53687), (605, 53660), (609, 53651), (630, 53615), (666, 53558), (670, 53549), (671, 53546), (673, 53543), (813, 53186), (820, 53153), (827, 53132), (856, 53039), (859, 53030), (881, 52967), (904, 52931), (905, 52928), (910, 52913), (939, 52835), (944, 52823), (950, 52802), (970, 52763), (1007, 52673), (1018, 52655), (1021, 52649), (1029, 52634), (1039, 52610), (1041, 52595), (1042, 52592), (1044, 52580), (1054, 52556), (1073, 52508), (1084, 52484),

Gene: BatteryCK_61 Start: 54193, Stop: 52334, Start Num: 215
Candidate Starts for BatteryCK_61:
(Start: 198 @54217 has 1 MA's), (Start: 215 @54193 has 328 MA's), (Start: 245 @54169 has 14 MA's), (Start: 258 @54163 has 2 MA's), (Start: 288 @54121 has 1 MA's), (300, 54100), (360, 53986), (363, 53980), (382, 53950), (418, 53890), (425, 53869), (442, 53815), (454, 53803), (464, 53785), (469, 53773), (511, 53668), (567, 53611), (590, 53575), (594, 53563), (603, 53539), (609, 53527), (620, 53509), (630, 53491), (641, 53473), (666, 53434), (670, 53425), (671, 53422), (673, 53419), (813, 53062), (820, 53029), (827, 53008), (856, 52915), (859, 52906), (881, 52843), (904, 52807), (905, 52804), (910, 52789), (939, 52711), (944, 52699), (950, 52678), (970, 52639), (1007, 52549), (1018, 52531), (1021, 52525), (1029, 52510), (1039, 52486), (1041, 52471), (1042, 52468), (1044, 52456), (1054, 52432), (1073, 52384), (1084, 52360),

Gene: Battleship_48 Start: 29936, Stop: 28146, Start Num: 254
Candidate Starts for Battleship_48:
(Start: 254 @29936 has 935 MA's), (371, 29762), (426, 29657), (427, 29654), (436, 29627), (449, 29600), (474, 29549), (514, 29447), (591, 29354), (606, 29309), (609, 29306), (618, 29297), (708, 29135), (719, 29108), (732, 29087), (734, 29081), (788, 28982), (798, 28943), (813, 28892), (819, 28862), (836, 28811), (846, 28778), (853, 28745), (855, 28739), (862, 28709), (899, 28649), (904, 28628), (920, 28586), (930, 28559), (935, 28544), (971, 28457), (1003, 28394), (1004, 28391), (1060, 28235), (1065, 28223), (1073, 28211),

Gene: Bavilard_44 Start: 33694, Stop: 31319, Start Num: 58
Candidate Starts for Bavilard_44:

(Start: 58 @33694 has 15 MA's), (80, 33634), (99, 33592), (115, 33553), (165, 33433), (176, 33412), (213, 33388), (270, 33310), (Start: 275 @33304 has 3 MA's), (Start: 277 @33301 has 1 MA's), (297, 33271), (307, 33253), (318, 33235), (341, 33196), (Start: 342 @33193 has 5 MA's), (367, 33136), (379, 33112), (392, 33097), (426, 33034), (434, 33010), (437, 33001), (438, 32995), (441, 32989), (459, 32956), (469, 32935), (476, 32914), (537, 32731), (539, 32725), (569, 32656), (591, 32614), (668, 32527), (706, 32503), (716, 32479), (730, 32449), (754, 32398), (755, 32395), (761, 32380), (773, 32359), (823, 32185), (825, 32176), (836, 32146), (841, 32134), (862, 32041), (874, 32005), (876, 31999), (880, 31993), (883, 31987), (905, 31930), (912, 31906), (945, 31801), (946, 31798), (986, 31705), (991, 31687), (1004, 31648), (1006, 31627), (1013, 31606), (1027, 31582), (1050, 31504), (1058, 31480), (1108, 31348),

Gene: BayC_48 Start: 39366, Stop: 37366, Start Num: 327
Candidate Starts for BayC_48:
(Start: 327 @39366 has 11 MA's), (371, 39297), (435, 39165), (437, 39159), (438, 39153), (463, 39105), (467, 39093), (470, 39087), (477, 39066), (485, 39051), (507, 38982), (550, 38841), (589, 38745), (628, 38658), (645, 38634), (653, 38622), (662, 38610), (700, 38541), (759, 38394), (801, 38289), (806, 38274), (822, 38217), (829, 38196), (841, 38154), (848, 38124), (855, 38091), (867, 38037), (874, 38007), (891, 37938), (899, 37917), (920, 37854), (927, 37836), (931, 37824), (939, 37800), (1007, 37599), (1008, 37596), (1021, 37575), (1038, 37542), (1041, 37524), (1053, 37491), (1060, 37467), (1083, 37419),

Gene: Beaglebox_60 Start: 54107, Stop: 52248, Start Num: 215
Candidate Starts for Beaglebox_60:
(Start: 198 @54131 has 1 MA's), (Start: 215 @54107 has 328 MA's), (Start: 245 @54083 has 14 MA's), (Start: 258 @54077 has 2 MA's), (Start: 288 @54035 has 1 MA's), (300, 54014), (360, 53900), (363, 53894), (382, 53864), (418, 53804), (425, 53783), (442, 53729), (454, 53717), (464, 53699), (469, 53687), (511, 53582), (567, 53525), (590, 53489), (594, 53477), (603, 53453), (609, 53441), (620, 53423), (630, 53405), (641, 53387), (666, 53348), (670, 53339), (671, 53336), (783, 53078), (813, 52976), (820, 52943), (827, 52922), (856, 52829), (859, 52820), (881, 52757), (904, 52721), (905, 52718), (910, 52703), (939, 52625), (944, 52613), (950, 52592), (970, 52553), (1007, 52463), (1018, 52445), (1021, 52439), (1029, 52424), (1039, 52400), (1041, 52385), (1042, 52382), (1044, 52370), (1054, 52346), (1073, 52298), (1084, 52274),

Gene: Beatrix_44 Start: 35941, Stop: 34154, Start Num: 254
Candidate Starts for Beatrix_44:
(Start: 254 @35941 has 935 MA's), (391, 35728), (426, 35665), (436, 35635), (443, 35614), (449, 35608), (455, 35599), (504, 35482), (514, 35455), (591, 35362), (596, 35347), (639, 35263), (641, 35260), (680, 35194), (701, 35164), (711, 35134), (734, 35089), (755, 35050), (819, 34870), (834, 34822), (847, 34783), (862, 34717), (902, 34645), (904, 34636), (935, 34552), (971, 34465), (1029, 34339), (1035, 34327), (1053, 34267), (1060, 34243), (1063, 34237),

Gene: Beaupre_37 Start: 27544, Stop: 29526, Start Num: 253
Candidate Starts for Beaupre_37:
(Start: 253 @27544 has 33 MA's), (371, 27718), (386, 27748), (415, 27781), (427, 27814), (463, 27889), (473, 27916), (513, 28018), (568, 28117), (647, 28291), (666, 28318), (732, 28447), (788, 28585), (812, 28672), (819, 28705), (830, 28735), (847, 28792), (862, 28858), (903, 28951), (934, 29038), (1007, 29218), (1021, 29242), (1060, 29353), (1107, 29461),

Gene: BeautPeep30_39 Start: 28936, Stop: 27071, Start Num: 339
Candidate Starts for BeautPeep30_39:
(Start: 275 @29023 has 3 MA's), (Start: 277 @29020 has 1 MA's), (Start: 339 @28936 has 121 MA's), (Start: 342 @28927 has 5 MA's), (392, 28822), (398, 28813), (418, 28783), (419, 28780), (472, 28660), (476, 28648), (478, 28642), (518, 28537), (525, 28510), (582, 28369), (587, 28363), (588, 28360),

(591, 28348), (600, 28321), (601, 28318), (612, 28303), (634, 28297), (637, 28291), (657, 28258), (749, 28069), (855, 27754), (858, 27745), (859, 27742), (862, 27724), (876, 27682), (880, 27676), (895, 27652), (912, 27595), (970, 27436), (982, 27406), (985, 27397), (1004, 27337), (1007, 27313), (1025, 27274), (1039, 27241), (1040, 27229), (1058, 27169),

Gene: Beauxregard13_48 Start: 31856, Stop: 30042, Start Num: 254
Candidate Starts for Beauxregard13_48:
(Start: 254 @31856 has 935 MA's), (284, 31817), (289, 31805), (386, 31652), (395, 31637), (426, 31580), (449, 31523), (455, 31514), (474, 31472), (494, 31421), (514, 31370), (591, 31277), (609, 31229), (618, 31220), (626, 31205), (647, 31166), (666, 31139), (680, 31109), (727, 31016), (758, 30956), (767, 30941), (819, 30785), (847, 30698), (862, 30632), (875, 30593), (905, 30521), (920, 30482), (929, 30458), (935, 30440), (946, 30407), (956, 30380), (985, 30326), (1007, 30266), (1041, 30188), (1060, 30131), (1065, 30119), (1071, 30110),

Gene: BeeBee8_39 Start: 29216, Stop: 27360, Start Num: 342
Candidate Starts for BeeBee8_39:
(Start: 339 @29225 has 121 MA's), (Start: 342 @29216 has 5 MA's), (471, 28952), (476, 28937), (478, 28931), (525, 28799), (540, 28745), (582, 28658), (588, 28649), (591, 28637), (600, 28610), (601, 28607), (612, 28592), (634, 28586), (789, 28256), (855, 28043), (858, 28034), (859, 28031), (862, 28013), (876, 27971), (897, 27941), (912, 27884), (970, 27725), (982, 27695), (1004, 27626), (1007, 27602), (1025, 27563), (1039, 27530), (1040, 27518),

Gene: Beemo_45 Start: 31539, Stop: 29746, Start Num: 254
Candidate Starts for Beemo_45:
(Start: 254 @31539 has 935 MA's), (261, 31530), (289, 31488), (369, 31368), (371, 31365), (396, 31317), (427, 31257), (437, 31227), (441, 31215), (449, 31203), (514, 31050), (591, 30957), (666, 30819), (680, 30789), (759, 30630), (767, 30618), (785, 30591), (815, 30483), (819, 30462), (859, 30327), (862, 30309), (904, 30228), (920, 30186), (946, 30111), (983, 30036), (1003, 29994), (1041, 29892), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: BeesKnees_45 Start: 34407, Stop: 32581, Start Num: 254
Candidate Starts for BeesKnees_45:
(Start: 254 @34407 has 935 MA's), (391, 34194), (426, 34131), (436, 34101), (443, 34080), (449, 34074), (455, 34065), (504, 33948), (514, 33921), (591, 33828), (596, 33813), (639, 33729), (641, 33726), (680, 33660), (701, 33630), (711, 33600), (734, 33555), (755, 33516), (819, 33336), (834, 33288), (847, 33249), (862, 33183), (875, 33144), (899, 33123), (904, 33102), (910, 33084), (935, 33018), (1003, 32868), (1004, 32865), (1012, 32829), (1034, 32796), (1038, 32784), (1043, 32757), (1060, 32709), (1071, 32688),

Gene: Beleetus_139 Start: 73582, Stop: 75618, Start Num: 282
Candidate Starts for Beleetus_139:
(Start: 282 @73582 has 7 MA's), (325, 73648), (345, 73672), (371, 73726), (376, 73738), (391, 73771), (428, 73840), (450, 73897), (484, 73975), (495, 74011), (557, 74131), (583, 74185), (586, 74188), (602, 74239), (606, 74251), (647, 74320), (659, 74341), (685, 74389), (691, 74398), (821, 74776), (849, 74893), (852, 74911), (898, 75031), (901, 75043), (924, 75112), (927, 75121), (989, 75295), (1012, 75379), (1039, 75454), (1060, 75526), (1080, 75580), (1082, 75586),

Gene: Belenaria_36 Start: 28114, Stop: 26330, Start Num: 254
Candidate Starts for Belenaria_36:
(Start: 254 @28114 has 935 MA's), (407, 27880), (422, 27850), (425, 27841), (426, 27838), (441, 27793), (449, 27781), (474, 27730), (514, 27628), (548, 27607), (591, 27535), (606, 27490), (609, 27487), (636, 27445), (638, 27439), (647, 27424), (666, 27397), (719, 27292), (725, 27283), (734, 27265), (755, 27226), (787, 27169), (819, 27046), (834, 26998), (862, 26893), (863, 26890), (899,

26833), (904, 26812), (923, 26764), (948, 26689), (983, 26620), (1003, 26578), (1007, 26554), (1041, 26476), (1060, 26419), (1065, 26407), (1071, 26398), (1085, 26368), (1091, 26350),

Gene: Bellris_43 Start: 30722, Stop: 28929, Start Num: 254
Candidate Starts for Bellris_43:
(Start: 254 @30722 has 935 MA's), (261, 30713), (289, 30671), (349, 30584), (386, 30518), (391, 30509), (396, 30500), (409, 30482), (427, 30440), (436, 30413), (441, 30398), (449, 30386), (474, 30335), (514, 30233), (587, 30155), (591, 30140), (618, 30083), (680, 29972), (728, 29876), (759, 29813), (785, 29774), (787, 29768), (819, 29645), (850, 29549), (855, 29522), (862, 29492), (875, 29453), (904, 29411), (946, 29294), (983, 29219), (1003, 29177), (1041, 29075), (1060, 29018), (1065, 29006), (1071, 28997),

Gene: BellusTerra_46 Start: 31571, Stop: 29745, Start Num: 254
Candidate Starts for BellusTerra_46:
(Start: 254 @31571 has 935 MA's), (271, 31550), (289, 31520), (305, 31490), (413, 31328), (421, 31310), (449, 31238), (455, 31229), (505, 31109), (514, 31085), (591, 30992), (611, 30944), (626, 30923), (647, 30884), (719, 30752), (732, 30731), (755, 30686), (759, 30674), (815, 30521), (819, 30500), (855, 30377), (862, 30347), (875, 30308), (904, 30242), (905, 30239), (910, 30224), (920, 30200), (929, 30176), (1007, 29969), (1060, 29834), (1065, 29822), (1071, 29813),

Gene: BelmontSKP_43 Start: 29896, Stop: 31770, Start Num: 241
Candidate Starts for BelmontSKP_43:
(Start: 238 @29893 has 7 MA's), (Start: 241 @29896 has 65 MA's), (Start: 299 @29965 has 1 MA's), (315, 29986), (455, 30232), (474, 30274), (602, 30487), (647, 30568), (766, 30802), (804, 30925), (819, 30985), (822, 30991), (836, 31036), (843, 31051), (845, 31066), (853, 31102), (862, 31138), (903, 31231), (936, 31324), (967, 31402), (1003, 31474), (1012, 31513), (1037, 31555), (1040, 31573), (1053, 31609), (1060, 31633), (1071, 31654),

Gene: Ben11_58 Start: 53891, Stop: 52074, Start Num: 256
Candidate Starts for Ben11_58:
(137, 54074), (Start: 256 @53891 has 51 MA's), (280, 53861), (391, 53681), (463, 53528), (467, 53516), (481, 53486), (489, 53480), (511, 53417), (513, 53411), (567, 53360), (588, 53333), (590, 53324), (609, 53276), (671, 53171), (718, 53075), (747, 53024), (796, 52880), (806, 52841), (814, 52811), (820, 52784), (824, 52772), (854, 52676), (856, 52670), (859, 52661), (861, 52649), (893, 52577), (904, 52547), (910, 52529), (915, 52520), (939, 52451), (944, 52439), (950, 52418), (985, 52349), (996, 52334), (1004, 52310), (1007, 52289), (1018, 52271), (1021, 52265), (1037, 52232), (1039, 52226), (1042, 52208), (1044, 52196), (1050, 52184), (1054, 52172), (1070, 52130), (1084, 52100),

Gene: Benedict_39 Start: 30154, Stop: 28289, Start Num: 254
Candidate Starts for Benedict_39:
(Start: 224 @30187 has 2 MA's), (Start: 254 @30154 has 935 MA's), (334, 30043), (386, 29950), (388, 29947), (426, 29878), (427, 29875), (436, 29848), (449, 29821), (455, 29812), (491, 29728), (494, 29719), (501, 29704), (514, 29668), (571, 29608), (591, 29572), (606, 29527), (609, 29524), (625, 29503), (626, 29500), (659, 29440), (706, 29362), (727, 29314), (734, 29302), (758, 29254), (783, 29203), (819, 29068), (834, 29020), (843, 29002), (847, 28981), (850, 28972), (856, 28942), (862, 28915), (863, 28912), (904, 28834), (929, 28768), (946, 28717), (971, 28663), (975, 28654), (985, 28636), (1018, 28558), (1053, 28465), (1060, 28441), (1065, 28429), (1111, 28324),

Gene: Bengal_43 Start: 29549, Stop: 31423, Start Num: 241
Candidate Starts for Bengal_43:
(Start: 241 @29549 has 65 MA's), (Start: 299 @29618 has 1 MA's), (315, 29639), (455, 29885), (464, 29900), (474, 29927), (647, 30221), (719, 30356), (766, 30455), (804, 30578), (819, 30638), (822,

30644), (836, 30689), (843, 30704), (845, 30719), (853, 30755), (862, 30791), (903, 30884), (936, 30977), (967, 31055), (1003, 31127), (1012, 31166), (1037, 31208), (1040, 31226), (1053, 31262), (1060, 31286), (1071, 31307),

Gene: BengiVuitton_44 Start: 31228, Stop: 29441, Start Num: 254
Candidate Starts for BengiVuitton_44:
(Start: 254 @31228 has 935 MA's), (386, 31024), (388, 31021), (391, 31015), (402, 31000), (413, 30985), (426, 30952), (427, 30949), (436, 30922), (449, 30895), (463, 30874), (474, 30844), (514, 30742), (591, 30649), (594, 30640), (609, 30601), (618, 30592), (626, 30577), (666, 30511), (708, 30430), (732, 30382), (734, 30376), (798, 30238), (819, 30157), (836, 30106), (846, 30073), (847, 30070), (862, 30004), (875, 29965), (899, 29944), (925, 29869), (931, 29851), (946, 29806), (956, 29779), (975, 29743), (985, 29725), (1003, 29689), (1007, 29665), (1037, 29608), (1041, 29587), (1060, 29530), (1065, 29518),

Gene: Benjalauren_39 Start: 28635, Stop: 26770, Start Num: 339
Candidate Starts for Benjalauren_39:
(Start: 275 @28722 has 3 MA's), (Start: 277 @28719 has 1 MA's), (Start: 339 @28635 has 121 MA's), (Start: 342 @28626 has 5 MA's), (392, 28521), (398, 28512), (418, 28482), (419, 28479), (472, 28359), (476, 28347), (478, 28341), (518, 28236), (525, 28209), (582, 28068), (587, 28062), (588, 28059), (591, 28047), (600, 28020), (601, 28017), (612, 28002), (634, 27996), (637, 27990), (657, 27957), (725, 27828), (749, 27768), (855, 27453), (858, 27444), (859, 27441), (862, 27423), (876, 27381), (880, 27375), (884, 27366), (895, 27351), (912, 27294), (970, 27135), (982, 27105), (985, 27096), (1004, 27036), (1007, 27012), (1025, 26973), (1039, 26940), (1040, 26928), (1058, 26868),

Gene: BennyP_46 Start: 29772, Stop: 27931, Start Num: 254
Candidate Starts for BennyP_46:
(Start: 254 @29772 has 935 MA's), (386, 29568), (426, 29493), (427, 29490), (436, 29463), (441, 29448), (449, 29436), (474, 29385), (510, 29295), (514, 29283), (591, 29190), (605, 29151), (618, 29133), (626, 29118), (666, 29052), (681, 29019), (683, 29016), (735, 28914), (767, 28854), (798, 28770), (819, 28689), (846, 28605), (847, 28602), (850, 28593), (855, 28566), (862, 28536), (899, 28476), (910, 28437), (1003, 28221), (1004, 28218), (1007, 28197), (1060, 28062), (1065, 28050), (1071, 28041), (1073, 28038), (1111, 27945),

Gene: Benvolio_41 Start: 30754, Stop: 28967, Start Num: 254
Candidate Starts for Benvolio_41:
(Start: 254 @30754 has 935 MA's), (388, 30547), (391, 30541), (413, 30511), (426, 30478), (427, 30475), (436, 30448), (449, 30421), (463, 30400), (514, 30268), (591, 30175), (609, 30127), (618, 30118), (626, 30103), (666, 30037), (708, 29956), (732, 29908), (734, 29902), (767, 29839), (798, 29764), (819, 29683), (836, 29632), (846, 29599), (847, 29596), (862, 29530), (875, 29491), (899, 29470), (925, 29395), (931, 29377), (935, 29365), (946, 29332), (956, 29305), (975, 29269), (1003, 29215), (1007, 29191), (1037, 29134), (1041, 29113), (1060, 29056), (1065, 29044), (1071, 29035),

Gene: Bernardo_59 Start: 54028, Stop: 52211, Start Num: 256
Candidate Starts for Bernardo_59:
(137, 54211), (Start: 256 @54028 has 51 MA's), (280, 53998), (391, 53818), (463, 53665), (467, 53653), (481, 53623), (489, 53617), (511, 53554), (513, 53548), (567, 53497), (590, 53461), (609, 53413), (671, 53308), (718, 53212), (747, 53161), (796, 53017), (806, 52978), (814, 52948), (820, 52921), (824, 52909), (854, 52813), (856, 52807), (859, 52798), (861, 52786), (893, 52714), (904, 52684), (910, 52666), (915, 52657), (939, 52588), (944, 52576), (950, 52555), (985, 52486), (996, 52471), (1004, 52447), (1007, 52426), (1021, 52402), (1039, 52363), (1042, 52345), (1044, 52333), (1050, 52321), (1054, 52309), (1070, 52267), (1084, 52237),

Gene: Bernstein_40 Start: 27521, Stop: 29389, Start Num: 238

Candidate Starts for Bernstein_40:
(Start: 238 @27521 has 7 MA's), (Start: 241 @27524 has 65 MA's), (244, 27527), (Start: 299 @27596 has 1 MA's), (464, 27878), (474, 27905), (501, 27959), (605, 28124), (647, 28199), (659, 28220), (804, 28574), (819, 28634), (836, 28685), (853, 28751), (862, 28787), (903, 28880), (967, 29051), (1003, 29123), (1037, 29204), (1059, 29279), (1060, 29282), (1071, 29303), (1100, 29372),

Gene: Berrie_42 Start: 30512, Stop: 32377, Start Num: 254
Candidate Starts for Berrie_42:
(Start: 254 @30512 has 935 MA's), (Start: 288 @30560 has 1 MA's), (386, 30716), (415, 30749), (443, 30830), (479, 30899), (593, 31106), (597, 31118), (641, 31205), (647, 31214), (657, 31229), (708, 31319), (732, 31367), (788, 31505), (819, 31625), (847, 31712), (862, 31778), (903, 31871), (929, 31943), (971, 32051), (1003, 32114), (1007, 32138), (1060, 32273), (1064, 32282), (1099, 32360),

Gene: Bethlehem_44 Start: 35080, Stop: 33254, Start Num: 254
Candidate Starts for Bethlehem_44:
(Start: 254 @35080 has 935 MA's), (391, 34867), (426, 34804), (436, 34774), (443, 34753), (449, 34747), (455, 34738), (504, 34621), (514, 34594), (591, 34501), (596, 34486), (639, 34402), (641, 34399), (680, 34333), (701, 34303), (711, 34273), (734, 34228), (755, 34189), (819, 34009), (834, 33961), (847, 33922), (862, 33856), (875, 33817), (899, 33796), (904, 33775), (910, 33757), (935, 33691), (1003, 33541), (1004, 33538), (1012, 33502), (1034, 33469), (1038, 33457), (1043, 33430), (1060, 33382), (1071, 33361),

Gene: Bexan_43 Start: 35619, Stop: 33832, Start Num: 254
Candidate Starts for Bexan_43:
(Start: 254 @35619 has 935 MA's), (391, 35406), (426, 35343), (436, 35313), (443, 35292), (449, 35286), (455, 35277), (504, 35160), (514, 35133), (591, 35040), (596, 35025), (609, 34992), (639, 34941), (641, 34938), (680, 34872), (701, 34842), (711, 34812), (734, 34767), (755, 34728), (819, 34548), (834, 34500), (847, 34461), (862, 34395), (902, 34323), (904, 34314), (935, 34230), (971, 34143), (1029, 34017), (1035, 34005), (1053, 33945), (1060, 33921), (1063, 33915),

Gene: BiancaTri92_44 Start: 32044, Stop: 30257, Start Num: 254
Candidate Starts for BiancaTri92_44:
(Start: 254 @32044 has 935 MA's), (388, 31837), (391, 31831), (402, 31816), (413, 31801), (436, 31738), (449, 31711), (463, 31690), (514, 31558), (591, 31465), (618, 31408), (626, 31393), (666, 31327), (708, 31246), (732, 31198), (734, 31192), (798, 31054), (819, 30973), (836, 30922), (846, 30889), (847, 30886), (850, 30877), (855, 30850), (862, 30820), (875, 30781), (899, 30760), (904, 30739), (985, 30541), (1003, 30505), (1007, 30481), (1037, 30424), (1041, 30403), (1060, 30346), (1065, 30334), (1071, 30325),

Gene: Big3_43 Start: 34644, Stop: 32818, Start Num: 254
Candidate Starts for Big3_43:
(Start: 254 @34644 has 935 MA's), (391, 34431), (400, 34416), (426, 34368), (436, 34338), (443, 34317), (449, 34311), (455, 34302), (504, 34185), (514, 34158), (591, 34065), (596, 34050), (609, 34017), (639, 33966), (641, 33963), (680, 33897), (701, 33867), (711, 33837), (734, 33792), (755, 33753), (819, 33573), (834, 33525), (847, 33486), (862, 33420), (875, 33381), (899, 33360), (904, 33339), (910, 33321), (935, 33255), (1003, 33105), (1004, 33102), (1012, 33066), (1029, 33042), (1034, 33033), (1038, 33021), (1060, 32946), (1071, 32925),

Gene: Big4_105 Start: 80746, Stop: 78878, Start Num: 249
Candidate Starts for Big4_105:
(230, 80767), (237, 80758), (240, 80755), (Start: 249 @80746 has 3 MA's), (369, 80548), (409, 80488), (418, 80473), (467, 80365), (470, 80359), (512, 80266), (518, 80248), (594, 80173), (632, 80089), (647, 80062), (659, 80041), (681, 80002), (703, 79969), (721, 79927), (737, 79894), (755, 79864),

(768, 79837), (819, 79675), (852, 79561), (873, 79477), (879, 79462), (884, 79453), (917, 79366), (920, 79357), (932, 79324), (996, 79168), (1035, 79072), (1041, 79045), (1060, 78988), (1075, 78964),

Gene: BigChungus_44 Start: 33868, Stop: 31490, Start Num: 58
Candidate Starts for BigChungus_44:
(Start: 58 @33868 has 15 MA's), (80, 33808), (99, 33766), (115, 33727), (150, 33637), (165, 33607), (176, 33586), (213, 33562), (270, 33484), (Start: 275 @33478 has 3 MA's), (Start: 277 @33475 has 1 MA's), (297, 33445), (307, 33427), (318, 33409), (341, 33370), (Start: 342 @33367 has 5 MA's), (367, 33310), (379, 33286), (392, 33271), (426, 33208), (434, 33184), (437, 33175), (438, 33169), (441, 33163), (459, 33130), (469, 33109), (476, 33088), (537, 32905), (569, 32830), (591, 32788), (668, 32701), (706, 32677), (716, 32653), (720, 32644), (730, 32623), (754, 32572), (755, 32569), (761, 32554), (773, 32533), (810, 32407), (823, 32359), (825, 32350), (841, 32308), (862, 32215), (874, 32179), (876, 32173), (880, 32167), (883, 32161), (905, 32104), (912, 32080), (945, 31975), (946, 31972), (986, 31879), (991, 31861), (1004, 31822), (1013, 31780), (1027, 31756), (1039, 31726), (1050, 31678), (1058, 31654), (1064, 31630), (1072, 31609), (1108, 31522), (1113, 31510),

Gene: BigMau_45 Start: 34189, Stop: 32360, Start Num: 254
Candidate Starts for BigMau_45:
(Start: 254 @34189 has 935 MA's), (391, 33976), (400, 33961), (426, 33913), (436, 33883), (443, 33862), (449, 33856), (455, 33847), (504, 33730), (514, 33703), (591, 33610), (596, 33595), (603, 33574), (639, 33511), (641, 33508), (675, 33454), (680, 33442), (701, 33412), (711, 33382), (734, 33337), (755, 33298), (819, 33118), (834, 33070), (850, 33022), (859, 32983), (862, 32965), (875, 32926), (899, 32905), (904, 32884), (953, 32746), (1035, 32575), (1040, 32551), (1052, 32518), (1057, 32503), (1060, 32491), (1071, 32470), (1075, 32464), (1094, 32416), (1101, 32401),

Gene: BigPaolini_45 Start: 33608, Stop: 31821, Start Num: 254
Candidate Starts for BigPaolini_45:
(Start: 254 @33608 has 935 MA's), (391, 33395), (400, 33380), (436, 33302), (443, 33281), (449, 33275), (455, 33266), (504, 33149), (514, 33122), (591, 33029), (596, 33014), (609, 32981), (639, 32930), (641, 32927), (675, 32873), (680, 32861), (701, 32831), (711, 32801), (734, 32756), (755, 32717), (819, 32537), (834, 32489), (847, 32450), (862, 32384), (902, 32312), (904, 32303), (935, 32219), (971, 32132), (1029, 32006), (1035, 31994), (1060, 31910), (1063, 31904),

Gene: BigRedClifford_39 Start: 28934, Stop: 27069, Start Num: 339
Candidate Starts for BigRedClifford_39:
(Start: 275 @29021 has 3 MA's), (Start: 277 @29018 has 1 MA's), (Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (472, 28658), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (725, 28127), (749, 28067), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (884, 27665), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: Bigchungi_43 Start: 33771, Stop: 31945, Start Num: 254
Candidate Starts for Bigchungi_43:
(Start: 254 @33771 has 935 MA's), (391, 33558), (400, 33543), (436, 33465), (443, 33444), (449, 33438), (455, 33429), (504, 33312), (514, 33285), (591, 33192), (596, 33177), (609, 33144), (639, 33093), (641, 33090), (680, 33024), (701, 32994), (711, 32964), (734, 32919), (755, 32880), (819, 32700), (830, 32670), (834, 32652), (836, 32649), (847, 32613), (862, 32547), (904, 32466), (905, 32463), (935, 32382), (1003, 32232), (1004, 32229), (1012, 32193), (1029, 32169), (1034, 32160), (1038, 32148), (1060, 32073), (1071, 32052),

Gene: Bigflo_48 Start: 31852, Stop: 30038, Start Num: 254

Candidate Starts for Bigflo_48:
(Start: 254 @31852 has 935 MA's), (284, 31813), (289, 31801), (386, 31648), (395, 31633), (426, 31576), (449, 31519), (455, 31510), (474, 31468), (494, 31417), (514, 31366), (591, 31273), (609, 31225), (618, 31216), (626, 31201), (647, 31162), (666, 31135), (680, 31105), (727, 31012), (758, 30952), (767, 30937), (819, 30781), (847, 30694), (862, 30628), (875, 30589), (905, 30517), (920, 30478), (929, 30454), (935, 30436), (946, 30403), (956, 30376), (985, 30322), (1007, 30262), (1041, 30184), (1060, 30127), (1065, 30115), (1071, 30106),

Gene: Bigfoot_41 Start: 33829, Stop: 32003, Start Num: 254
Candidate Starts for Bigfoot_41:
(Start: 254 @33829 has 935 MA's), (391, 33616), (400, 33601), (426, 33553), (436, 33523), (443, 33502), (449, 33496), (455, 33487), (504, 33370), (514, 33343), (591, 33250), (596, 33235), (609, 33202), (639, 33151), (641, 33148), (680, 33082), (711, 33022), (734, 32977), (755, 32938), (819, 32758), (834, 32710), (847, 32671), (862, 32605), (875, 32566), (899, 32545), (904, 32524), (910, 32506), (935, 32440), (1003, 32290), (1004, 32287), (1012, 32251), (1029, 32227), (1034, 32218), (1038, 32206), (1043, 32179), (1060, 32131), (1071, 32110),

Gene: BiggityBass_49 Start: 47333, Stop: 45519, Start Num: 245
Candidate Starts for BiggityBass_49:
(183, 47423), (Start: 245 @47333 has 14 MA's), (Start: 258 @47324 has 2 MA's), (Start: 288 @47282 has 1 MA's), (388, 47114), (413, 47072), (437, 47003), (463, 46964), (469, 46949), (503, 46874), (511, 46853), (590, 46760), (657, 46634), (658, 46631), (670, 46610), (671, 46607), (715, 46517), (774, 46379), (800, 46295), (806, 46277), (820, 46220), (854, 46112), (856, 46106), (859, 46097), (881, 46034), (905, 45995), (910, 45980), (939, 45902), (944, 45890), (945, 45884), (950, 45869), (953, 45860), (1000, 45773), (1007, 45740), (1008, 45737), (1036, 45686), (1039, 45677), (1054, 45617), (1084, 45545),

Gene: BillDoor_43 Start: 31825, Stop: 29438, Start Num: 45
Candidate Starts for BillDoor_43:
(Start: 45 @31825 has 21 MA's), (80, 31762), (103, 31705), (152, 31582), (165, 31558), (Start: 277 @31426 has 1 MA's), (294, 31399), (346, 31306), (367, 31261), (406, 31201), (417, 31183), (434, 31135), (459, 31081), (461, 31078), (469, 31060), (476, 31039), (494, 30988), (497, 30979), (498, 30976), (537, 30856), (562, 30796), (569, 30781), (611, 30697), (668, 30652), (684, 30628), (706, 30622), (716, 30598), (753, 30520), (754, 30517), (755, 30514), (768, 30490), (807, 30367), (825, 30298), (827, 30292), (853, 30199), (862, 30163), (874, 30127), (876, 30121), (880, 30115), (883, 30109), (897, 30085), (905, 30052), (912, 30028), (925, 29983), (945, 29923), (1004, 29770), (1012, 29731), (1013, 29728), (1058, 29602), (1072, 29557), (1076, 29548), (1101, 29488),

Gene: BillKnuckles_45 Start: 35369, Stop: 33540, Start Num: 254
Candidate Starts for BillKnuckles_45:
(Start: 254 @35369 has 935 MA's), (391, 35156), (400, 35141), (426, 35093), (436, 35063), (443, 35042), (449, 35036), (455, 35027), (504, 34910), (514, 34883), (591, 34790), (596, 34775), (609, 34742), (639, 34691), (641, 34688), (680, 34622), (701, 34592), (711, 34562), (734, 34517), (755, 34478), (819, 34298), (834, 34250), (850, 34202), (859, 34163), (862, 34145), (875, 34106), (899, 34085), (904, 34064), (909, 34049), (953, 33926), (1035, 33755), (1040, 33731), (1057, 33683), (1060, 33671), (1071, 33650), (1075, 33644), (1094, 33596), (1101, 33581),

Gene: Bimmel_18 Start: 11968, Stop: 10178, Start Num: 254
Candidate Starts for Bimmel_18:
(Start: 254 @11968 has 935 MA's), (391, 11758), (419, 11716), (436, 11665), (449, 11638), (463, 11617), (482, 11572), (514, 11485), (587, 11407), (591, 11392), (647, 11275), (732, 11122), (755, 11077), (761, 11062), (801, 10975), (819, 10906), (840, 10843), (852, 10792), (853, 10786), (862, 10750), (904, 10669), (921, 10624), (1035, 10360), (1053, 10300), (1060, 10276), (1091, 10207),

(1093, 10204),

Gene: Bircsak_44 Start: 35182, Stop: 33353, Start Num: 254
Candidate Starts for Bircsak_44:
(Start: 254 @35182 has 935 MA's), (391, 34969), (400, 34954), (426, 34906), (436, 34876), (439, 34864), (443, 34855), (449, 34849), (455, 34840), (504, 34723), (514, 34696), (591, 34603), (596, 34588), (603, 34567), (609, 34555), (639, 34504), (641, 34501), (680, 34435), (701, 34405), (711, 34375), (734, 34330), (755, 34291), (819, 34111), (834, 34063), (850, 34015), (859, 33976), (862, 33958), (875, 33919), (899, 33898), (904, 33877), (909, 33862), (953, 33739), (1035, 33568), (1040, 33544), (1057, 33496), (1060, 33484), (1071, 33463), (1075, 33457), (1094, 33409), (1101, 33394),

Gene: BirdsNest_61 Start: 54182, Stop: 52338, Start Num: 236
Candidate Starts for BirdsNest_61:
(Start: 236 @54182 has 5 MA's), (Start: 288 @54125 has 1 MA's), (Start: 304 @54098 has 2 MA's), (363, 53996), (418, 53909), (435, 53855), (442, 53834), (463, 53810), (469, 53795), (511, 53690), (590, 53597), (594, 53585), (609, 53549), (671, 53444), (747, 53297), (775, 53213), (777, 53207), (796, 53147), (797, 53144), (806, 53108), (820, 53051), (854, 52943), (856, 52937), (859, 52928), (904, 52814), (910, 52796), (939, 52718), (944, 52706), (950, 52685), (985, 52616), (996, 52601), (1007, 52556), (1021, 52532), (1039, 52493), (1041, 52478), (1044, 52463), (1054, 52439), (1070, 52394), (1073, 52388), (1084, 52364),

Gene: Bishoperium_60 Start: 54582, Stop: 52723, Start Num: 215
Candidate Starts for Bishoperium_60:
(Start: 198 @54606 has 1 MA's), (Start: 215 @54582 has 328 MA's), (Start: 245 @54558 has 14 MA's), (Start: 258 @54552 has 2 MA's), (Start: 288 @54510 has 1 MA's), (300, 54489), (360, 54375), (363, 54369), (382, 54339), (418, 54279), (425, 54258), (442, 54204), (454, 54192), (464, 54174), (469, 54162), (511, 54057), (567, 54000), (590, 53964), (594, 53952), (605, 53925), (620, 53898), (630, 53880), (641, 53862), (666, 53823), (670, 53814), (671, 53811), (673, 53808), (813, 53451), (820, 53418), (827, 53397), (856, 53304), (859, 53295), (881, 53232), (904, 53196), (905, 53193), (910, 53178), (939, 53100), (944, 53088), (950, 53067), (970, 53028), (1007, 52938), (1018, 52920), (1021, 52914), (1029, 52899), (1039, 52875), (1041, 52860), (1042, 52857), (1044, 52845), (1054, 52821), (1073, 52773), (1084, 52749),

Gene: Biskit_45 Start: 32515, Stop: 30125, Start Num: 45
Candidate Starts for Biskit_45:
(Start: 45 @32515 has 21 MA's), (80, 32452), (87, 32434), (93, 32419), (115, 32365), (118, 32353), (124, 32332), (139, 32299), (152, 32272), (165, 32248), (201, 32221), (Start: 277 @32116 has 1 MA's), (307, 32068), (367, 31951), (417, 31870), (427, 31843), (434, 31822), (459, 31768), (461, 31765), (469, 31747), (476, 31726), (497, 31666), (569, 31468), (591, 31426), (668, 31339), (684, 31315), (706, 31309), (730, 31255), (733, 31249), (753, 31207), (754, 31204), (755, 31201), (807, 31054), (816, 31012), (825, 30985), (841, 30943), (862, 30850), (874, 30814), (876, 30808), (880, 30802), (883, 30796), (897, 30772), (905, 30739), (912, 30715), (925, 30670), (945, 30610), (1004, 30457), (1058, 30289), (1072, 30244), (1076, 30235), (1079, 30226),

Gene: BlackStallion_62 Start: 54311, Stop: 52452, Start Num: 215
Candidate Starts for BlackStallion_62:
(Start: 198 @54335 has 1 MA's), (Start: 215 @54311 has 328 MA's), (Start: 245 @54287 has 14 MA's), (Start: 258 @54281 has 2 MA's), (Start: 288 @54239 has 1 MA's), (300, 54218), (360, 54104), (363, 54098), (382, 54068), (418, 54008), (425, 53987), (442, 53933), (454, 53921), (464, 53903), (469, 53891), (511, 53786), (567, 53729), (590, 53693), (594, 53681), (603, 53657), (609, 53645), (620, 53627), (630, 53609), (641, 53591), (666, 53552), (670, 53543), (671, 53540), (673, 53537), (813, 53180), (820, 53147), (827, 53126), (856, 53033), (859, 53024), (881, 52961), (904, 52925), (905, 52922), (910, 52907), (939, 52829), (944, 52817), (950, 52796), (970, 52757), (1007, 52667),

(1018, 52649), (1021, 52643), (1029, 52628), (1039, 52604), (1041, 52589), (1042, 52586), (1044, 52574), (1054, 52550), (1073, 52502), (1084, 52478),

Gene: Blackflame_44 Start: 33886, Stop: 32060, Start Num: 254
Candidate Starts for Blackflame_44:
(Start: 254 @33886 has 935 MA's), (391, 33673), (400, 33658), (426, 33610), (436, 33580), (443, 33559), (449, 33553), (455, 33544), (504, 33427), (514, 33400), (591, 33307), (596, 33292), (639, 33208), (641, 33205), (680, 33139), (701, 33109), (711, 33079), (734, 33034), (755, 32995), (819, 32815), (830, 32785), (834, 32767), (836, 32764), (847, 32728), (862, 32662), (904, 32581), (905, 32578), (935, 32497), (1003, 32347), (1004, 32344), (1012, 32308), (1029, 32284), (1034, 32275), (1038, 32263), (1060, 32188), (1071, 32167),

Gene: Blackmoor_45 Start: 31572, Stop: 29746, Start Num: 254
Candidate Starts for Blackmoor_45:
(Start: 254 @31572 has 935 MA's), (271, 31551), (289, 31521), (305, 31491), (413, 31329), (421, 31311), (449, 31239), (455, 31230), (505, 31110), (514, 31086), (591, 30993), (611, 30945), (626, 30924), (647, 30885), (719, 30753), (732, 30732), (755, 30687), (759, 30675), (815, 30522), (819, 30501), (855, 30378), (862, 30348), (875, 30309), (904, 30243), (905, 30240), (910, 30225), (920, 30201), (929, 30177), (1007, 29970), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: Blackpen_53 Start: 47085, Stop: 45268, Start Num: 251
Candidate Starts for Blackpen_53:
(Start: 251 @47085 has 15 MA's), (Start: 258 @47076 has 2 MA's), (280, 47049), (287, 47037), (300, 47013), (305, 47004), (360, 46908), (388, 46866), (409, 46830), (437, 46755), (477, 46680), (511, 46602), (567, 46545), (590, 46509), (594, 46497), (603, 46473), (658, 46380), (671, 46356), (679, 46338), (796, 46065), (806, 46026), (814, 45996), (820, 45969), (854, 45861), (856, 45855), (859, 45846), (902, 45756), (904, 45747), (905, 45744), (910, 45729), (939, 45651), (944, 45639), (945, 45633), (950, 45618), (974, 45570), (1000, 45522), (1007, 45489), (1021, 45465), (1039, 45426), (1041, 45411), (1054, 45366), (1084, 45294),

Gene: BlacksBerry_61 Start: 53942, Stop: 52083, Start Num: 215
Candidate Starts for BlacksBerry_61:
(Start: 198 @53966 has 1 MA's), (Start: 215 @53942 has 328 MA's), (Start: 245 @53918 has 14 MA's), (Start: 258 @53912 has 2 MA's), (Start: 288 @53870 has 1 MA's), (300, 53849), (360, 53735), (363, 53729), (382, 53699), (418, 53639), (425, 53618), (442, 53564), (454, 53552), (464, 53534), (469, 53522), (511, 53417), (567, 53360), (590, 53324), (594, 53312), (603, 53288), (609, 53276), (620, 53258), (630, 53240), (641, 53222), (666, 53183), (670, 53174), (671, 53171), (673, 53168), (813, 52811), (820, 52778), (827, 52757), (856, 52664), (859, 52655), (881, 52592), (904, 52556), (905, 52553), (910, 52538), (939, 52460), (944, 52448), (950, 52427), (970, 52388), (1007, 52298), (1018, 52280), (1021, 52274), (1029, 52259), (1039, 52235), (1041, 52220), (1042, 52217), (1044, 52205), (1054, 52181), (1073, 52133), (1084, 52109),

Gene: Blage_39 Start: 28934, Stop: 27069, Start Num: 339
Candidate Starts for Blage_39:
(Start: 275 @29021 has 3 MA's), (Start: 277 @29018 has 1 MA's), (Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (472, 28658), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (725, 28127), (749, 28067), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (884, 27665), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: BlessJoy_46 Start: 29785, Stop: 27944, Start Num: 254

Candidate Starts for BlessJoy_46:
(Start: 229 @29815 has 1 MA's), (Start: 254 @29785 has 935 MA's), (386, 29581), (426, 29506), (427, 29503), (436, 29476), (441, 29461), (449, 29449), (474, 29398), (510, 29308), (514, 29296), (591, 29203), (605, 29164), (618, 29146), (626, 29131), (666, 29065), (681, 29032), (683, 29029), (735, 28927), (767, 28867), (798, 28783), (819, 28702), (846, 28618), (847, 28615), (850, 28606), (855, 28579), (862, 28549), (899, 28489), (910, 28450), (1003, 28234), (1004, 28231), (1007, 28210), (1060, 28075), (1065, 28063), (1071, 28054), (1073, 28051), (1111, 27958),

Gene: Blesser_43 Start: 34562, Stop: 32733, Start Num: 254
Candidate Starts for Blesser_43:
(Start: 254 @34562 has 935 MA's), (391, 34349), (426, 34286), (436, 34256), (443, 34235), (449, 34229), (455, 34220), (504, 34103), (514, 34076), (591, 33983), (596, 33968), (639, 33884), (641, 33881), (680, 33815), (701, 33785), (711, 33755), (734, 33710), (755, 33671), (819, 33491), (834, 33443), (850, 33395), (859, 33356), (862, 33338), (875, 33299), (899, 33278), (904, 33257), (909, 33242), (953, 33119), (1035, 32948), (1040, 32924), (1057, 32876), (1060, 32864), (1071, 32843), (1075, 32837), (1094, 32789), (1101, 32774),

Gene: Blinn1_48 Start: 30144, Stop: 28303, Start Num: 254
Candidate Starts for Blinn1_48:
(Start: 254 @30144 has 935 MA's), (386, 29940), (426, 29865), (427, 29862), (441, 29820), (449, 29808), (474, 29757), (514, 29655), (591, 29562), (605, 29523), (618, 29505), (626, 29490), (666, 29424), (681, 29391), (683, 29388), (735, 29286), (767, 29226), (798, 29142), (819, 29061), (846, 28977), (847, 28974), (850, 28965), (855, 28938), (859, 28926), (862, 28908), (899, 28848), (910, 28809), (920, 28785), (1003, 28593), (1004, 28590), (1007, 28569), (1060, 28434), (1065, 28422), (1071, 28413), (1073, 28410), (1111, 28317),

Gene: Blocker23_57 Start: 52599, Stop: 50770, Start Num: 215
Candidate Starts for Blocker23_57:
(Start: 215 @52599 has 328 MA's), (Start: 258 @52572 has 2 MA's), (Start: 282 @52542 has 7 MA's), (Start: 288 @52530 has 1 MA's), (Start: 304 @52503 has 2 MA's), (305, 52500), (314, 52491), (338, 52473), (388, 52377), (418, 52326), (426, 52302), (433, 52278), (496, 52140), (506, 52116), (511, 52104), (567, 52047), (590, 52011), (594, 51999), (603, 51975), (652, 51891), (670, 51861), (671, 51858), (684, 51828), (753, 51684), (778, 51618), (792, 51579), (796, 51567), (800, 51546), (806, 51528), (820, 51471), (850, 51387), (856, 51357), (859, 51348), (879, 51282), (902, 51255), (904, 51246), (910, 51228), (920, 51204), (939, 51150), (944, 51138), (950, 51117), (985, 51048), (1007, 50988), (1018, 50970), (1035, 50937), (1039, 50925), (1041, 50910), (1042, 50907), (1044, 50895), (1054, 50871), (1055, 50868), (1073, 50820), (1075, 50817), (1084, 50796), (1091, 50775),

Gene: Blondies_46 Start: 32832, Stop: 30442, Start Num: 45
Candidate Starts for Blondies_46:
(Start: 45 @32832 has 21 MA's), (80, 32769), (93, 32736), (115, 32682), (118, 32670), (124, 32649), (139, 32616), (152, 32589), (165, 32565), (201, 32538), (Start: 277 @32433 has 1 MA's), (307, 32385), (367, 32268), (417, 32187), (427, 32160), (434, 32139), (459, 32085), (461, 32082), (469, 32064), (476, 32043), (497, 31983), (569, 31785), (591, 31743), (668, 31656), (684, 31632), (706, 31626), (730, 31572), (733, 31566), (753, 31524), (754, 31521), (755, 31518), (807, 31371), (816, 31329), (825, 31302), (841, 31260), (862, 31167), (874, 31131), (876, 31125), (880, 31119), (883, 31113), (897, 31089), (905, 31056), (912, 31032), (925, 30987), (1004, 30774), (1058, 30606), (1072, 30561), (1076, 30552), (1079, 30543),

Gene: Bloom_103 Start: 78450, Stop: 80246, Start Num: 265
Candidate Starts for Bloom_103:
(Start: 265 @78450 has 10 MA's), (334, 78546), (454, 78762), (467, 78789), (470, 78795), (504, 78864), (517, 78900), (632, 79047), (635, 79053), (647, 79074), (657, 79089), (755, 79278), (777,

79323), (790, 79356), (795, 79374), (803, 79407), (815, 79446), (819, 79467), (822, 79473), (853, 79587), (874, 79671), (876, 79677), (884, 79689), (903, 79737), (906, 79749), (920, 79785), (932, 79818), (935, 79827), (950, 79872), (958, 79890), (996, 79974), (1003, 79995), (1008, 80022), (1018, 80037), (1035, 80070), (1040, 80094), (1045, 80118), (1060, 80154), (1075, 80181),

Gene: BluSpix_42 Start: 30791, Stop: 28962, Start Num: 254
Candidate Starts for BluSpix_42:
(Start: 254 @30791 has 935 MA's), (391, 30578), (426, 30515), (436, 30485), (443, 30464), (449, 30458), (455, 30449), (504, 30332), (514, 30305), (591, 30212), (596, 30197), (609, 30164), (639, 30113), (641, 30110), (680, 30044), (711, 29984), (734, 29939), (755, 29900), (819, 29720), (834, 29672), (850, 29624), (859, 29585), (862, 29567), (875, 29528), (899, 29507), (904, 29486), (909, 29471), (953, 29348), (1035, 29177), (1040, 29153), (1057, 29105), (1060, 29093), (1071, 29072), (1075, 29066), (1094, 29018), (1101, 29003),

Gene: Blue_44 Start: 34966, Stop: 33140, Start Num: 254
Candidate Starts for Blue_44:
(Start: 254 @34966 has 935 MA's), (391, 34753), (400, 34738), (436, 34660), (443, 34639), (449, 34633), (455, 34624), (504, 34507), (514, 34480), (591, 34387), (596, 34372), (639, 34288), (641, 34285), (680, 34219), (701, 34189), (711, 34159), (734, 34114), (755, 34075), (819, 33895), (834, 33847), (836, 33844), (847, 33808), (862, 33742), (875, 33703), (899, 33682), (904, 33661), (910, 33643), (935, 33577), (1003, 33427), (1004, 33424), (1012, 33388), (1029, 33364), (1038, 33343), (1041, 33325), (1043, 33316), (1060, 33268), (1071, 33247),

Gene: Blue7_48 Start: 29980, Stop: 28181, Start Num: 254
Candidate Starts for Blue7_48:
(Start: 254 @29980 has 935 MA's), (386, 29776), (391, 29767), (426, 29701), (427, 29698), (436, 29671), (441, 29656), (449, 29644), (474, 29593), (510, 29503), (514, 29491), (591, 29398), (609, 29350), (618, 29341), (717, 29158), (792, 29008), (819, 28903), (836, 28846), (847, 28810), (850, 28801), (855, 28774), (862, 28744), (875, 28705), (899, 28684), (908, 28651), (910, 28645), (946, 28546), (975, 28483), (1003, 28429), (1007, 28405), (1037, 28348), (1060, 28270), (1065, 28258), (1071, 28249), (1073, 28246),

Gene: BlueBird_47 Start: 31555, Stop: 29717, Start Num: 254
Candidate Starts for BlueBird_47:
(Start: 254 @31555 has 935 MA's), (289, 31504), (338, 31438), (386, 31351), (422, 31291), (426, 31279), (449, 31222), (455, 31213), (505, 31093), (514, 31069), (591, 30973), (611, 30925), (647, 30865), (683, 30802), (719, 30733), (732, 30712), (768, 30640), (787, 30598), (798, 30556), (819, 30475), (834, 30427), (855, 30352), (862, 30322), (873, 30292), (905, 30211), (920, 30172), (929, 30148), (935, 30130), (985, 30001), (1007, 29941), (1060, 29806), (1065, 29794), (1071, 29785),

Gene: BlueHusk_62 Start: 54066, Stop: 52207, Start Num: 215
Candidate Starts for BlueHusk_62:
(Start: 198 @54090 has 1 MA's), (Start: 215 @54066 has 328 MA's), (Start: 245 @54042 has 14 MA's), (Start: 258 @54036 has 2 MA's), (280, 54009), (Start: 288 @53994 has 1 MA's), (300, 53973), (360, 53859), (363, 53853), (382, 53823), (418, 53763), (425, 53742), (442, 53688), (454, 53676), (464, 53658), (469, 53646), (511, 53541), (567, 53484), (590, 53448), (594, 53436), (605, 53409), (609, 53400), (630, 53364), (666, 53307), (670, 53298), (671, 53295), (673, 53292), (813, 52935), (820, 52902), (827, 52881), (856, 52788), (859, 52779), (881, 52716), (904, 52680), (905, 52677), (910, 52662), (939, 52584), (944, 52572), (950, 52551), (970, 52512), (1007, 52422), (1018, 52404), (1021, 52398), (1029, 52383), (1039, 52359), (1041, 52344), (1042, 52341), (1044, 52329), (1054, 52305), (1073, 52257), (1084, 52233),

Gene: BlueNGold_170 Start: 99709, Stop: 97928, Start Num: 256

Candidate Starts for BlueNGold_170:
(Start: 256 @99709 has 51 MA's), (289, 99664), (Start: 304 @99637 has 2 MA's), (369, 99544), (409, 99484), (411, 99481), (416, 99472), (425, 99448), (438, 99406), (439, 99403), (467, 99358), (491, 99316), (512, 99262), (591, 99178), (632, 99094), (647, 99067), (657, 99052), (740, 98893), (755, 98869), (761, 98854), (767, 98845), (801, 98758), (809, 98731), (810, 98728), (815, 98707), (819, 98686), (835, 98635), (859, 98551), (864, 98524), (873, 98491), (891, 98449), (932, 98338), (941, 98311), (954, 98275), (959, 98266), (960, 98263), (966, 98254), (1008, 98134), (1021, 98113), (1024, 98107), (1039, 98074), (1042, 98056), (1043, 98050), (1056, 98017), (1060, 98002), (1076, 97978), (1077, 97975), (1087, 97951),

Gene: Bluefalcon_37 Start: 30628, Stop: 28769, Start Num: 254
Candidate Starts for Bluefalcon_37:
(Start: 254 @30628 has 935 MA's), (289, 30577), (334, 30517), (371, 30454), (386, 30424), (388, 30421), (422, 30364), (436, 30322), (449, 30295), (514, 30142), (591, 30046), (602, 30013), (609, 29998), (659, 29914), (666, 29908), (681, 29875), (727, 29788), (734, 29776), (755, 29737), (783, 29677), (819, 29542), (830, 29512), (834, 29494), (846, 29458), (847, 29455), (862, 29389), (875, 29350), (904, 29308), (910, 29290), (929, 29242), (931, 29236), (946, 29191), (971, 29137), (975, 29128), (985, 29110), (1018, 29032), (1040, 28975), (1053, 28939), (1060, 28915), (1065, 28903), (1115, 28786), (1116, 28783),

Gene: Bluephacebaby_60 Start: 54585, Stop: 52726, Start Num: 215
Candidate Starts for Bluephacebaby_60:
(Start: 198 @54609 has 1 MA's), (Start: 215 @54585 has 328 MA's), (Start: 245 @54561 has 14 MA's), (Start: 258 @54555 has 2 MA's), (Start: 288 @54513 has 1 MA's), (300, 54492), (360, 54378), (363, 54372), (382, 54342), (418, 54282), (425, 54261), (442, 54207), (454, 54195), (464, 54177), (469, 54165), (511, 54060), (567, 54003), (590, 53967), (594, 53955), (605, 53928), (630, 53883), (666, 53826), (670, 53817), (671, 53814), (813, 53454), (820, 53421), (827, 53400), (856, 53307), (859, 53298), (881, 53235), (904, 53199), (905, 53196), (910, 53181), (939, 53103), (944, 53091), (950, 53070), (970, 53031), (1007, 52941), (1018, 52923), (1021, 52917), (1029, 52902), (1039, 52878), (1041, 52863), (1042, 52860), (1044, 52848), (1054, 52824), (1073, 52776), (1084, 52752),

Gene: Bob3_42 Start: 33539, Stop: 31710, Start Num: 254
Candidate Starts for Bob3_42:
(Start: 254 @33539 has 935 MA's), (391, 33326), (400, 33311), (426, 33263), (436, 33233), (443, 33212), (449, 33206), (455, 33197), (504, 33080), (514, 33053), (591, 32960), (596, 32945), (603, 32924), (639, 32861), (641, 32858), (680, 32792), (701, 32762), (711, 32732), (734, 32687), (755, 32648), (819, 32468), (834, 32420), (850, 32372), (859, 32333), (862, 32315), (875, 32276), (899, 32255), (904, 32234), (953, 32096), (1035, 31925), (1040, 31901), (1052, 31868), (1057, 31853), (1060, 31841), (1071, 31820), (1075, 31814), (1094, 31766), (1101, 31751),

Gene: BobRoss2024_51 Start: 46234, Stop: 44420, Start Num: 251
Candidate Starts for BobRoss2024_51:
(Start: 251 @46234 has 15 MA's), (280, 46198), (305, 46153), (360, 46057), (382, 46024), (385, 46021), (388, 46015), (413, 45973), (467, 45853), (511, 45754), (567, 45697), (658, 45532), (671, 45508), (796, 45217), (806, 45178), (814, 45148), (820, 45121), (856, 45007), (859, 44998), (904, 44899), (905, 44896), (910, 44881), (939, 44803), (944, 44791), (950, 44770), (1000, 44674), (1008, 44638), (1021, 44617), (1039, 44578), (1041, 44563), (1045, 44542), (1054, 44518), (1073, 44470), (1084, 44446), (1091, 44425),

Gene: BobSwaget_44 Start: 31390, Stop: 29603, Start Num: 254
Candidate Starts for BobSwaget_44:
(Start: 254 @31390 has 935 MA's), (388, 31183), (391, 31177), (413, 31147), (426, 31114), (427, 31111), (441, 31069), (449, 31057), (514, 30904), (591, 30811), (609, 30763), (618, 30754), (626,

30739), (666, 30673), (732, 30544), (798, 30400), (819, 30319), (836, 30268), (846, 30235), (847, 30232), (862, 30166), (875, 30127), (899, 30106), (925, 30031), (929, 30019), (956, 29941), (975, 29905), (985, 29887), (1003, 29851), (1007, 29827), (1041, 29749), (1060, 29692), (1065, 29680), (1071, 29671),

Gene: BobbyDazzler_36 Start: 28159, Stop: 26375, Start Num: 254
Candidate Starts for BobbyDazzler_36:
(Start: 254 @28159 has 935 MA's), (407, 27925), (422, 27895), (425, 27886), (426, 27883), (441, 27838), (449, 27826), (455, 27817), (474, 27775), (514, 27673), (548, 27652), (591, 27580), (606, 27535), (609, 27532), (636, 27490), (638, 27484), (647, 27469), (666, 27442), (719, 27337), (734, 27310), (755, 27271), (819, 27091), (834, 27043), (862, 26938), (863, 26935), (899, 26878), (904, 26857), (923, 26809), (948, 26734), (983, 26665), (1003, 26623), (1007, 26599), (1041, 26521), (1060, 26464), (1065, 26452), (1091, 26395),

Gene: BobbyK_54 Start: 53968, Stop: 52145, Start Num: 208
Candidate Starts for BobbyK_54:
(Start: 190 @53986 has 4 MA's), (Start: 208 @53968 has 32 MA's), (Start: 258 @53944 has 2 MA's), (280, 53917), (Start: 288 @53902 has 1 MA's), (300, 53881), (353, 53794), (415, 53689), (430, 53647), (464, 53581), (477, 53551), (481, 53542), (487, 53539), (489, 53536), (496, 53509), (567, 53416), (582, 53398), (590, 53380), (594, 53368), (605, 53341), (641, 53278), (666, 53239), (670, 53230), (671, 53227), (684, 53197), (706, 53161), (796, 52936), (797, 52933), (806, 52897), (813, 52873), (820, 52840), (854, 52732), (856, 52726), (859, 52717), (904, 52618), (905, 52615), (910, 52600), (939, 52522), (944, 52510), (950, 52489), (953, 52480), (970, 52450), (985, 52420), (1000, 52393), (1007, 52360), (1021, 52336), (1039, 52297), (1042, 52279), (1044, 52267), (1054, 52243), (1070, 52201), (1073, 52195), (1084, 52171),

Gene: Boehler_60 Start: 54229, Stop: 52370, Start Num: 215
Candidate Starts for Boehler_60:
(Start: 198 @54253 has 1 MA's), (Start: 215 @54229 has 328 MA's), (Start: 245 @54205 has 14 MA's), (Start: 258 @54199 has 2 MA's), (Start: 288 @54157 has 1 MA's), (300, 54136), (360, 54022), (363, 54016), (382, 53986), (418, 53926), (425, 53905), (442, 53851), (454, 53839), (464, 53821), (469, 53809), (511, 53704), (567, 53647), (590, 53611), (594, 53599), (603, 53575), (609, 53563), (620, 53545), (630, 53527), (641, 53509), (666, 53470), (670, 53461), (671, 53458), (673, 53455), (813, 53098), (820, 53065), (827, 53044), (856, 52951), (859, 52942), (881, 52879), (904, 52843), (905, 52840), (910, 52825), (939, 52747), (944, 52735), (950, 52714), (970, 52675), (1007, 52585), (1018, 52567), (1021, 52561), (1029, 52546), (1039, 52522), (1041, 52507), (1042, 52504), (1044, 52492), (1054, 52468), (1073, 52420), (1084, 52396),

Gene: Boersma_57 Start: 36879, Stop: 34711, Start Num: 218
Candidate Starts for Boersma_57:
(Start: 215 @36882 has 328 MA's), (Start: 218 @36879 has 14 MA's), (Start: 256 @36825 has 51 MA's), (309, 36741), (389, 36588), (394, 36579), (420, 36534), (447, 36456), (451, 36447), (460, 36432), (466, 36417), (468, 36414), (491, 36357), (523, 36264), (538, 36222), (625, 36027), (630, 36015), (634, 36009), (647, 35985), (659, 35964), (671, 35943), (679, 35928), (681, 35922), (713, 35859), (735, 35808), (763, 35721), (785, 35661), (798, 35613), (828, 35511), (830, 35505), (838, 35478), (839, 35475), (846, 35454), (856, 35412), (858, 35406), (863, 35382), (876, 35340), (877, 35337), (888, 35310), (901, 35277), (903, 35265), (916, 35229), (925, 35205), (927, 35199), (929, 35193), (947, 35139), (970, 35091), (971, 35088), (996, 35028), (1003, 35004), (1009, 34974), (1036, 34920), (1057, 34851), (1060, 34839), (1076, 34800),

Gene: BogosyJay_44 Start: 31342, Stop: 29549, Start Num: 254
Candidate Starts for BogosyJay_44:

(Start: 254 @31342 has 935 MA's), (261, 31333), (334, 31231), (369, 31171), (371, 31168), (386, 31138), (391, 31129), (413, 31096), (426, 31063), (427, 31060), (436, 31033), (441, 31018), (449, 31006), (514, 30853), (591, 30760), (666, 30622), (680, 30592), (767, 30421), (785, 30394), (787, 30388), (819, 30265), (859, 30130), (862, 30112), (904, 30031), (946, 29914), (1003, 29797), (1007, 29773), (1041, 29695), (1060, 29638), (1065, 29626), (1071, 29617),

Gene: Bombshell_45 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for Bombshell_45:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Bonamassa_39 Start: 30653, Stop: 28809, Start Num: 254
Candidate Starts for Bonamassa_39:
(Start: 254 @30653 has 935 MA's), (289, 30602), (334, 30542), (371, 30479), (386, 30449), (388, 30446), (422, 30389), (426, 30377), (436, 30347), (449, 30320), (514, 30167), (591, 30071), (609, 30023), (659, 29939), (666, 29933), (706, 29861), (719, 29828), (727, 29813), (734, 29801), (783, 29702), (819, 29567), (830, 29537), (834, 29519), (836, 29516), (847, 29480), (850, 29471), (853, 29450), (856, 29441), (862, 29414), (863, 29411), (899, 29354), (904, 29333), (946, 29216), (971, 29162), (975, 29153), (985, 29135), (1007, 29075), (1018, 29057), (1040, 29000), (1053, 28964), (1060, 28940), (1065, 28928),

Gene: Bonanza_36 Start: 28087, Stop: 26303, Start Num: 254
Candidate Starts for Bonanza_36:
(Start: 254 @28087 has 935 MA's), (407, 27853), (422, 27823), (425, 27814), (426, 27811), (441, 27766), (449, 27754), (455, 27745), (474, 27703), (514, 27601), (548, 27580), (591, 27508), (606, 27463), (609, 27460), (636, 27418), (638, 27412), (647, 27397), (666, 27370), (719, 27265), (734, 27238), (755, 27199), (819, 27019), (834, 26971), (862, 26866), (863, 26863), (899, 26806), (904, 26785), (923, 26737), (948, 26662), (983, 26593), (1003, 26551), (1007, 26527), (1041, 26449), (1060, 26392), (1065, 26380), (1091, 26323),

Gene: Bones_45 Start: 35104, Stop: 33317, Start Num: 254
Candidate Starts for Bones_45:
(Start: 254 @35104 has 935 MA's), (391, 34891), (400, 34876), (436, 34798), (443, 34777), (449, 34771), (455, 34762), (504, 34645), (514, 34618), (591, 34525), (596, 34510), (639, 34426), (641, 34423), (680, 34357), (701, 34327), (711, 34297), (734, 34252), (755, 34213), (819, 34033), (834, 33985), (847, 33946), (862, 33880), (902, 33808), (904, 33799), (935, 33715), (971, 33628), (1029, 33502), (1035, 33490), (1060, 33406), (1063, 33400),

Gene: BonesMcCoy_39 Start: 28934, Stop: 27069, Start Num: 339
Candidate Starts for BonesMcCoy_39:
(Start: 275 @29021 has 3 MA's), (Start: 277 @29018 has 1 MA's), (Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (471, 28661), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (749, 28067), (773, 28013), (780, 27992), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: Bonino_38 Start: 28608, Stop: 26743, Start Num: 339
Candidate Starts for Bonino_38:

(Start: 275 @28695 has 3 MA's), (Start: 339 @28608 has 121 MA's), (Start: 342 @28599 has 5 MA's), (392, 28494), (398, 28485), (418, 28455), (419, 28452), (472, 28332), (476, 28320), (478, 28314), (518, 28209), (525, 28182), (582, 28041), (587, 28035), (588, 28032), (591, 28020), (600, 27993), (601, 27990), (612, 27975), (634, 27969), (637, 27963), (657, 27930), (725, 27801), (749, 27741), (855, 27426), (858, 27417), (859, 27414), (862, 27396), (876, 27354), (880, 27348), (895, 27324), (912, 27267), (970, 27108), (982, 27078), (985, 27069), (1004, 27009), (1007, 26985), (1025, 26946), (1039, 26913), (1040, 26901), (1058, 26841),

Gene: BooTeria_95 Start: 75090, Stop: 76808, Start Num: 315
Candidate Starts for BooTeria_95:
(Start: 265 @75015 has 10 MA's), (Start: 288 @75048 has 1 MA's), (Start: 299 @75069 has 1 MA's), (Start: 304 @75078 has 2 MA's), (315, 75090), (454, 75327), (467, 75354), (470, 75360), (562, 75495), (632, 75612), (647, 75639), (651, 75645), (657, 75654), (686, 75708), (755, 75840), (763, 75861), (778, 75888), (795, 75936), (803, 75969), (815, 76008), (819, 76029), (822, 76035), (853, 76152), (874, 76236), (875, 76239), (903, 76302), (906, 76314), (920, 76350), (932, 76383), (950, 76437), (958, 76455), (996, 76539), (1003, 76560), (1008, 76587), (1035, 76635), (1037, 76641), (1040, 76659), (1043, 76671), (1045, 76683), (1048, 76686), (1060, 76719), (1075, 76746), (1085, 76770),

Gene: BoogieWoogie_61 Start: 54018, Stop: 52159, Start Num: 215
Candidate Starts for BoogieWoogie_61:
(Start: 198 @54042 has 1 MA's), (Start: 215 @54018 has 328 MA's), (Start: 245 @53994 has 14 MA's), (Start: 258 @53988 has 2 MA's), (Start: 288 @53946 has 1 MA's), (300, 53925), (360, 53811), (363, 53805), (382, 53775), (418, 53715), (425, 53694), (442, 53640), (454, 53628), (464, 53610), (469, 53598), (511, 53493), (567, 53436), (590, 53400), (594, 53388), (605, 53361), (620, 53334), (630, 53316), (641, 53298), (666, 53259), (670, 53250), (671, 53247), (783, 52989), (813, 52887), (820, 52854), (827, 52833), (856, 52740), (859, 52731), (881, 52668), (904, 52632), (905, 52629), (910, 52614), (939, 52536), (944, 52524), (950, 52503), (970, 52464), (1007, 52374), (1018, 52356), (1021, 52350), (1029, 52335), (1039, 52311), (1041, 52296), (1042, 52293), (1044, 52281), (1054, 52257), (1073, 52209), (1084, 52185),

Gene: Boohoo_47 Start: 29967, Stop: 28177, Start Num: 254
Candidate Starts for Boohoo_47:
(Start: 254 @29967 has 935 MA's), (371, 29793), (426, 29688), (427, 29685), (436, 29658), (449, 29631), (474, 29580), (514, 29478), (591, 29385), (606, 29340), (609, 29337), (618, 29328), (708, 29166), (719, 29139), (732, 29118), (734, 29112), (788, 29013), (798, 28974), (813, 28923), (819, 28893), (836, 28842), (846, 28809), (853, 28776), (855, 28770), (862, 28740), (899, 28680), (904, 28659), (920, 28617), (930, 28590), (935, 28575), (971, 28488), (1003, 28425), (1004, 28422), (1060, 28266), (1065, 28254), (1073, 28242),

Gene: Boopy_173 Start: 99720, Stop: 97939, Start Num: 256
Candidate Starts for Boopy_173:
(Start: 256 @99720 has 51 MA's), (289, 99675), (Start: 304 @99648 has 2 MA's), (369, 99555), (409, 99495), (411, 99492), (416, 99483), (425, 99459), (438, 99417), (439, 99414), (467, 99369), (491, 99327), (512, 99273), (591, 99189), (632, 99105), (647, 99078), (657, 99063), (740, 98904), (755, 98880), (761, 98865), (767, 98856), (801, 98769), (809, 98742), (810, 98739), (815, 98718), (819, 98697), (835, 98646), (859, 98562), (864, 98535), (873, 98502), (891, 98460), (932, 98349), (941, 98322), (954, 98286), (959, 98277), (960, 98274), (966, 98265), (1008, 98145), (1021, 98124), (1024, 98118), (1039, 98085), (1042, 98067), (1043, 98061), (1056, 98028), (1060, 98013), (1076, 97989), (1077, 97986), (1087, 97962),

Gene: BouleyBill_36 Start: 28490, Stop: 26640, Start Num: 335
Candidate Starts for BouleyBill_36:

(Start: 335 @28490 has 20 MA's), (398, 28367), (419, 28334), (469, 28223), (476, 28202), (478, 28196), (483, 28187), (496, 28145), (554, 27989), (582, 27935), (587, 27929), (588, 27926), (591, 27914), (601, 27884), (654, 27827), (731, 27680), (789, 27533), (855, 27323), (859, 27311), (862, 27293), (876, 27251), (884, 27236), (912, 27164), (982, 26975), (985, 26966), (1004, 26906), (1007, 26882), (1022, 26849), (1058, 26738),

Gene: Bowtie_45 Start: 30783, Stop: 28996, Start Num: 254
Candidate Starts for Bowtie_45:
(Start: 254 @30783 has 935 MA's), (386, 30579), (426, 30507), (436, 30477), (449, 30450), (593, 30198), (618, 30147), (666, 30066), (688, 30021), (732, 29937), (759, 29880), (786, 29838), (798, 29793), (819, 29712), (836, 29661), (847, 29625), (862, 29559), (899, 29499), (902, 29487), (938, 29385), (946, 29361), (951, 29343), (985, 29280), (1000, 29253), (1003, 29244), (1007, 29220), (1060, 29085), (1065, 29073), (1071, 29064),

Gene: Boyle_57 Start: 52628, Stop: 50799, Start Num: 215
Candidate Starts for Boyle_57:
(Start: 215 @52628 has 328 MA's), (Start: 258 @52601 has 2 MA's), (Start: 282 @52571 has 7 MA's), (Start: 288 @52559 has 1 MA's), (Start: 304 @52532 has 2 MA's), (305, 52529), (314, 52520), (338, 52502), (388, 52406), (418, 52355), (426, 52331), (433, 52307), (496, 52169), (506, 52145), (511, 52133), (567, 52076), (590, 52040), (594, 52028), (603, 52004), (652, 51920), (670, 51890), (671, 51887), (684, 51857), (753, 51713), (778, 51647), (792, 51608), (796, 51596), (800, 51575), (806, 51557), (820, 51500), (850, 51416), (856, 51386), (859, 51377), (879, 51311), (902, 51284), (904, 51275), (910, 51257), (920, 51233), (939, 51179), (944, 51167), (950, 51146), (985, 51077), (1007, 51017), (1018, 50999), (1035, 50966), (1039, 50954), (1041, 50939), (1042, 50936), (1044, 50924), (1054, 50900), (1055, 50897), (1073, 50849), (1075, 50846), (1084, 50825), (1091, 50804),

Gene: Brad_36 Start: 31887, Stop: 30142, Start Num: 285
Candidate Starts for Brad_36:
(267, 31914), (Start: 285 @31887 has 6 MA's), (287, 31884), (Start: 304 @31851 has 2 MA's), (308, 31845), (361, 31752), (383, 31719), (401, 31692), (465, 31557), (558, 31428), (561, 31422), (578, 31398), (585, 31383), (594, 31356), (605, 31326), (650, 31245), (656, 31236), (684, 31176), (698, 31155), (761, 31041), (768, 31023), (875, 30645), (885, 30627), (921, 30561), (927, 30546), (1012, 30327), (1035, 30285), (1060, 30201), (1074, 30168),

Gene: Bradman_44 Start: 30374, Stop: 28545, Start Num: 253
Candidate Starts for Bradman_44:
(Start: 253 @30374 has 33 MA's), (386, 30170), (388, 30167), (391, 30161), (402, 30146), (413, 30131), (425, 30101), (426, 30098), (436, 30068), (449, 30041), (463, 30020), (474, 29990), (514, 29888), (591, 29795), (609, 29747), (618, 29738), (626, 29723), (666, 29657), (708, 29576), (732, 29528), (755, 29483), (819, 29303), (834, 29255), (836, 29252), (847, 29216), (862, 29150), (875, 29111), (899, 29090), (925, 29015), (931, 28997), (946, 28952), (956, 28925), (975, 28889), (985, 28871), (1003, 28835), (1007, 28811), (1041, 28733), (1060, 28676), (1065, 28664), (1071, 28655), (1091, 28607), (1106, 28577), (1112, 28559), (1114, 28556),

Gene: Bradshaw_36 Start: 28113, Stop: 26329, Start Num: 254
Candidate Starts for Bradshaw_36:
(Start: 254 @28113 has 935 MA's), (407, 27879), (422, 27849), (425, 27840), (426, 27837), (441, 27792), (449, 27780), (474, 27729), (514, 27627), (548, 27606), (591, 27534), (606, 27489), (609, 27486), (636, 27444), (638, 27438), (647, 27423), (666, 27396), (719, 27291), (725, 27282), (734, 27264), (735, 27261), (755, 27225), (819, 27045), (834, 26997), (862, 26892), (863, 26889), (899, 26832), (904, 26811), (923, 26763), (948, 26688), (983, 26619), (1003, 26577), (1007, 26553), (1041, 26475), (1060, 26418), (1065, 26406), (1085, 26367), (1091, 26349),

Gene: Brahms_40 Start: 27441, Stop: 29309, Start Num: 238
Candidate Starts for Brahms_40:
(Start: 238 @27441 has 7 MA's), (Start: 241 @27444 has 65 MA's), (244, 27447), (Start: 299 @27516 has 1 MA's), (474, 27825), (501, 27879), (605, 28044), (647, 28119), (659, 28140), (804, 28494), (819, 28554), (836, 28605), (853, 28671), (862, 28707), (903, 28800), (967, 28971), (1003, 29043), (1037, 29124), (1059, 29199), (1060, 29202), (1071, 29223), (1100, 29292),

Gene: BreSam8_48 Start: 31846, Stop: 30032, Start Num: 254
Candidate Starts for BreSam8_48:
(Start: 254 @31846 has 935 MA's), (284, 31807), (289, 31795), (386, 31642), (395, 31627), (426, 31570), (449, 31513), (455, 31504), (474, 31462), (494, 31411), (514, 31360), (591, 31267), (609, 31219), (618, 31210), (626, 31195), (647, 31156), (666, 31129), (680, 31099), (727, 31006), (758, 30946), (767, 30931), (819, 30775), (847, 30688), (862, 30622), (875, 30583), (905, 30511), (920, 30472), (929, 30448), (935, 30430), (946, 30397), (956, 30370), (985, 30316), (1007, 30256), (1041, 30178), (1060, 30121), (1065, 30109), (1071, 30100),

Gene: Briakila_57 Start: 53649, Stop: 51832, Start Num: 256
Candidate Starts for Briakila_57:
(137, 53832), (Start: 256 @53649 has 51 MA's), (280, 53619), (391, 53439), (463, 53286), (467, 53274), (481, 53244), (489, 53238), (511, 53175), (513, 53169), (567, 53118), (588, 53091), (590, 53082), (609, 53034), (671, 52929), (718, 52833), (747, 52782), (796, 52638), (806, 52599), (814, 52569), (820, 52542), (824, 52530), (854, 52434), (856, 52428), (859, 52419), (861, 52407), (893, 52335), (904, 52305), (910, 52287), (915, 52278), (939, 52209), (944, 52197), (950, 52176), (985, 52107), (996, 52092), (1004, 52068), (1007, 52047), (1018, 52029), (1021, 52023), (1037, 51990), (1039, 51984), (1042, 51966), (1044, 51954), (1050, 51942), (1054, 51930), (1070, 51888), (1084, 51858),

Gene: Brilliant_63 Start: 54544, Stop: 52685, Start Num: 215
Candidate Starts for Brilliant_63:
(Start: 198 @54568 has 1 MA's), (Start: 215 @54544 has 328 MA's), (Start: 245 @54520 has 14 MA's), (Start: 258 @54514 has 2 MA's), (Start: 288 @54472 has 1 MA's), (300, 54451), (360, 54337), (363, 54331), (382, 54301), (418, 54241), (425, 54220), (442, 54166), (454, 54154), (464, 54136), (469, 54124), (511, 54019), (567, 53962), (590, 53926), (594, 53914), (603, 53890), (609, 53878), (620, 53860), (630, 53842), (641, 53824), (666, 53785), (670, 53776), (671, 53773), (673, 53770), (813, 53413), (820, 53380), (827, 53359), (856, 53266), (859, 53257), (881, 53194), (904, 53158), (905, 53155), (910, 53140), (939, 53062), (944, 53050), (950, 53029), (970, 52990), (1007, 52900), (1018, 52882), (1021, 52876), (1029, 52861), (1039, 52837), (1041, 52822), (1042, 52819), (1044, 52807), (1054, 52783), (1073, 52735), (1084, 52711),

Gene: Briton15_46 Start: 34660, Stop: 32834, Start Num: 254
Candidate Starts for Briton15_46:
(Start: 254 @34660 has 935 MA's), (391, 34447), (400, 34432), (426, 34384), (436, 34354), (443, 34333), (449, 34327), (455, 34318), (504, 34201), (514, 34174), (591, 34081), (596, 34066), (609, 34033), (639, 33982), (641, 33979), (680, 33913), (701, 33883), (711, 33853), (734, 33808), (755, 33769), (819, 33589), (830, 33559), (834, 33541), (847, 33502), (862, 33436), (875, 33397), (899, 33376), (904, 33355), (910, 33337), (935, 33271), (1003, 33121), (1004, 33118), (1012, 33082), (1029, 33058), (1034, 33049), (1038, 33037), (1060, 32962), (1071, 32941),

Gene: Broseidon_45 Start: 31572, Stop: 29746, Start Num: 254
Candidate Starts for Broseidon_45:
(Start: 254 @31572 has 935 MA's), (271, 31551), (289, 31521), (305, 31491), (413, 31329), (421, 31311), (449, 31239), (455, 31230), (505, 31110), (514, 31086), (591, 30993), (611, 30945), (626, 30924), (647, 30885), (719, 30753), (732, 30732), (755, 30687), (759, 30675), (815, 30522), (819,

30501), (855, 30378), (862, 30348), (875, 30309), (904, 30243), (905, 30240), (910, 30225), (920, 30201), (929, 30177), (1007, 29970), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: BrownCNA_55 Start: 54328, Stop: 52487, Start Num: 190
Candidate Starts for BrownCNA_55:
(Start: 190 @54328 has 4 MA's), (Start: 208 @54310 has 32 MA's), (Start: 258 @54286 has 2 MA's), (280, 54259), (Start: 288 @54244 has 1 MA's), (300, 54223), (353, 54136), (415, 54031), (425, 54004), (430, 53989), (464, 53923), (477, 53893), (481, 53884), (487, 53881), (489, 53878), (496, 53851), (567, 53758), (582, 53740), (590, 53722), (594, 53710), (605, 53683), (641, 53620), (666, 53581), (670, 53572), (671, 53569), (684, 53539), (706, 53503), (796, 53278), (797, 53275), (806, 53239), (813, 53215), (820, 53182), (854, 53074), (856, 53068), (859, 53059), (904, 52960), (905, 52957), (910, 52942), (939, 52864), (944, 52852), (950, 52831), (953, 52822), (970, 52792), (1000, 52735), (1007, 52702), (1021, 52678), (1039, 52639), (1042, 52621), (1044, 52609), (1054, 52585), (1070, 52543), (1073, 52537), (1084, 52513),

Gene: Brownie5_57 Start: 52641, Stop: 50812, Start Num: 215
Candidate Starts for Brownie5_57:
(Start: 215 @52641 has 328 MA's), (Start: 258 @52614 has 2 MA's), (Start: 282 @52584 has 7 MA's), (Start: 288 @52572 has 1 MA's), (Start: 304 @52545 has 2 MA's), (305, 52542), (314, 52533), (338, 52515), (388, 52419), (418, 52368), (426, 52344), (496, 52182), (503, 52167), (506, 52158), (511, 52146), (567, 52089), (590, 52053), (594, 52041), (603, 52017), (652, 51933), (670, 51903), (671, 51900), (684, 51870), (753, 51726), (778, 51660), (792, 51621), (796, 51609), (800, 51588), (806, 51570), (820, 51513), (844, 51456), (850, 51429), (856, 51399), (859, 51390), (879, 51324), (902, 51297), (904, 51288), (910, 51270), (920, 51246), (939, 51192), (944, 51180), (950, 51159), (985, 51090), (1007, 51030), (1018, 51012), (1035, 50979), (1039, 50967), (1041, 50952), (1042, 50949), (1044, 50937), (1054, 50913), (1055, 50910), (1073, 50862), (1075, 50859), (1084, 50838), (1091, 50817),

Gene: Bruiser_44 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Bruiser_44:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Bruns_43 Start: 34261, Stop: 32435, Start Num: 254
Candidate Starts for Bruns_43:
(Start: 254 @34261 has 935 MA's), (391, 34048), (400, 34033), (436, 33955), (443, 33934), (449, 33928), (455, 33919), (504, 33802), (514, 33775), (591, 33682), (596, 33667), (603, 33646), (609, 33634), (639, 33583), (641, 33580), (680, 33514), (701, 33484), (711, 33454), (734, 33409), (755, 33370), (819, 33190), (834, 33142), (847, 33103), (862, 33037), (875, 32998), (899, 32977), (904, 32956), (910, 32938), (935, 32872), (1003, 32722), (1004, 32719), (1012, 32683), (1029, 32659), (1034, 32650), (1038, 32638), (1060, 32563), (1071, 32542),

Gene: Bryce_36 Start: 28088, Stop: 26304, Start Num: 254
Candidate Starts for Bryce_36:
(Start: 254 @28088 has 935 MA's), (407, 27854), (422, 27824), (425, 27815), (426, 27812), (441, 27767), (449, 27755), (474, 27704), (514, 27602), (548, 27581), (591, 27509), (609, 27461), (647, 27398), (666, 27371), (719, 27266), (734, 27239), (755, 27200), (819, 27020), (834, 26972), (862, 26867), (863, 26864), (899, 26807), (904, 26786), (948, 26663), (983, 26594), (1003, 26552), (1007, 26528), (1041, 26450), (1060, 26393), (1065, 26381), (1091, 26324),

Gene: BubbaBear_41 Start: 29478, Stop: 31352, Start Num: 241
Candidate Starts for BubbaBear_41:
(Start: 241 @29478 has 65 MA's), (Start: 299 @29547 has 1 MA's), (315, 29568), (455, 29814), (464, 29829), (474, 29856), (647, 30150), (766, 30384), (804, 30507), (819, 30567), (822, 30573), (836, 30618), (843, 30633), (845, 30648), (853, 30684), (862, 30720), (903, 30813), (936, 30906), (967, 30984), (1003, 31056), (1012, 31095), (1037, 31137), (1040, 31155), (1060, 31215), (1071, 31236),

Gene: Bubble_41 Start: 32141, Stop: 29748, Start Num: 45
Candidate Starts for Bubble_41:
(Start: 45 @32141 has 21 MA's), (59, 32135), (Start: 75 @32087 has 1 MA's), (93, 32045), (103, 32021), (152, 31895), (165, 31871), (213, 31826), (247, 31775), (260, 31760), (Start: 277 @31739 has 1 MA's), (307, 31691), (333, 31649), (367, 31574), (373, 31562), (417, 31493), (429, 31460), (434, 31445), (459, 31391), (461, 31388), (469, 31370), (476, 31349), (497, 31289), (537, 31166), (539, 31160), (569, 31091), (591, 31049), (668, 30962), (684, 30938), (706, 30932), (716, 30908), (720, 30899), (727, 30884), (733, 30872), (753, 30830), (754, 30827), (755, 30824), (807, 30677), (825, 30608), (827, 30602), (841, 30566), (862, 30473), (874, 30437), (876, 30431), (880, 30425), (883, 30419), (905, 30362), (912, 30338), (925, 30293), (1058, 29912), (1072, 29867), (1076, 29858), (1101, 29798),

Gene: BubbleTrouble_44 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for BubbleTrouble_44:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Buckeye_61 Start: 54843, Stop: 52984, Start Num: 215
Candidate Starts for Buckeye_61:
(Start: 198 @54867 has 1 MA's), (Start: 215 @54843 has 328 MA's), (Start: 245 @54819 has 14 MA's), (Start: 258 @54813 has 2 MA's), (Start: 288 @54771 has 1 MA's), (300, 54750), (360, 54636), (363, 54630), (382, 54600), (418, 54540), (425, 54519), (442, 54465), (454, 54453), (464, 54435), (469, 54423), (511, 54318), (567, 54261), (590, 54225), (594, 54213), (605, 54186), (620, 54159), (630, 54141), (641, 54123), (666, 54084), (670, 54075), (671, 54072), (783, 53814), (813, 53712), (820, 53679), (827, 53658), (856, 53565), (859, 53556), (881, 53493), (904, 53457), (905, 53454), (910, 53439), (939, 53361), (944, 53349), (950, 53328), (970, 53289), (1007, 53199), (1018, 53181), (1021, 53175), (1029, 53160), (1039, 53136), (1041, 53121), (1042, 53118), (1044, 53106), (1054, 53082), (1073, 53034), (1084, 53010),

Gene: Bud_44 Start: 30338, Stop: 28551, Start Num: 254
Candidate Starts for Bud_44:
(Start: 254 @30338 has 935 MA's), (386, 30134), (426, 30062), (436, 30032), (449, 30005), (593, 29753), (618, 29702), (666, 29621), (688, 29576), (732, 29492), (759, 29435), (786, 29393), (798, 29348), (819, 29267), (836, 29216), (847, 29180), (862, 29114), (899, 29054), (938, 28940), (946, 28916), (951, 28898), (985, 28835), (1000, 28808), (1003, 28799), (1007, 28775), (1060, 28640), (1065, 28628), (1071, 28619),

Gene: Bugatti_46 Start: 31555, Stop: 29717, Start Num: 254
Candidate Starts for Bugatti_46:
(Start: 254 @31555 has 935 MA's), (289, 31504), (338, 31438), (386, 31351), (422, 31291), (426, 31279), (449, 31222), (455, 31213), (505, 31093), (514, 31069), (591, 30973), (611, 30925), (647, 30865), (683, 30802), (719, 30733), (732, 30712), (768, 30640), (787, 30598), (798, 30556), (819, 30475), (834, 30427), (855, 30352), (862, 30322), (873, 30292), (905, 30211), (920, 30172), (929,

30148), (935, 30130), (985, 30001), (1007, 29941), (1060, 29806), (1065, 29794), (1071, 29785),

Gene: Bugsy_46 Start: 31852, Stop: 30065, Start Num: 254
Candidate Starts for Bugsy_46:
(Start: 254 @31852 has 935 MA's), (386, 31648), (388, 31645), (391, 31639), (413, 31609), (426, 31576), (427, 31573), (436, 31546), (449, 31519), (474, 31468), (514, 31366), (591, 31273), (609, 31225), (618, 31216), (626, 31201), (666, 31135), (708, 31054), (732, 31006), (798, 30862), (819, 30781), (836, 30730), (846, 30697), (862, 30628), (875, 30589), (899, 30568), (904, 30547), (908, 30535), (983, 30355), (985, 30349), (1003, 30313), (1007, 30289), (1041, 30211), (1060, 30154), (1065, 30142),

Gene: Buldak_39 Start: 28039, Stop: 29922, Start Num: 243
Candidate Starts for Buldak_39:
(144, 27883), (Start: 243 @28039 has 3 MA's), (269, 28057), (Start: 299 @28108 has 1 MA's), (315, 28129), (338, 28159), (386, 28246), (426, 28309), (436, 28339), (443, 28360), (455, 28375), (463, 28387), (620, 28669), (647, 28720), (659, 28741), (819, 29137), (822, 29143), (847, 29224), (853, 29254), (856, 29263), (862, 29290), (903, 29383), (935, 29473), (967, 29554), (970, 29560), (996, 29605), (1007, 29650), (1021, 29674), (1037, 29707), (1039, 29713), (1040, 29725), (1041, 29728), (1060, 29785), (1067, 29800), (1071, 29806), (1081, 29830),

Gene: Bumblebee11_43 Start: 31522, Stop: 29693, Start Num: 254
Candidate Starts for Bumblebee11_43:
(Start: 254 @31522 has 935 MA's), (289, 31471), (305, 31441), (413, 31279), (421, 31261), (426, 31246), (449, 31189), (455, 31180), (505, 31060), (514, 31036), (562, 30994), (591, 30943), (611, 30895), (626, 30874), (647, 30835), (675, 30790), (678, 30784), (719, 30703), (732, 30682), (755, 30637), (815, 30472), (819, 30451), (862, 30298), (875, 30259), (905, 30187), (910, 30172), (920, 30148), (927, 30130), (929, 30124), (931, 30118), (1007, 29917), (1060, 29782), (1065, 29770), (1071, 29761),

Gene: Burger_43 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Burger_43:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Burnsey_43 Start: 32545, Stop: 30152, Start Num: 45
Candidate Starts for Burnsey_43:
(Start: 45 @32545 has 21 MA's), (59, 32539), (Start: 75 @32491 has 1 MA's), (93, 32449), (103, 32425), (152, 32299), (165, 32275), (213, 32230), (247, 32179), (260, 32164), (Start: 277 @32143 has 1 MA's), (307, 32095), (333, 32053), (367, 31978), (373, 31966), (417, 31897), (429, 31864), (434, 31849), (459, 31795), (461, 31792), (469, 31774), (476, 31753), (497, 31693), (537, 31570), (539, 31564), (569, 31495), (591, 31453), (668, 31366), (684, 31342), (706, 31336), (716, 31312), (720, 31303), (727, 31288), (733, 31276), (753, 31234), (754, 31231), (755, 31228), (807, 31081), (825, 31012), (827, 31006), (841, 30970), (862, 30877), (874, 30841), (876, 30835), (880, 30829), (883, 30823), (905, 30766), (912, 30742), (925, 30697), (1058, 30316), (1072, 30271), (1076, 30262), (1101, 30202),

Gene: Burr_60 Start: 54018, Stop: 52159, Start Num: 215
Candidate Starts for Burr_60:
(Start: 198 @54042 has 1 MA's), (Start: 215 @54018 has 328 MA's), (Start: 245 @53994 has 14 MA's), (Start: 258 @53988 has 2 MA's), (Start: 288 @53946 has 1 MA's), (300, 53925), (360, 53811),

(363, 53805), (382, 53775), (418, 53715), (425, 53694), (442, 53640), (454, 53628), (464, 53610), (469, 53598), (511, 53493), (567, 53436), (590, 53400), (594, 53388), (605, 53361), (630, 53316), (641, 53298), (666, 53259), (670, 53250), (671, 53247), (813, 52887), (820, 52854), (827, 52833), (856, 52740), (859, 52731), (881, 52668), (904, 52632), (905, 52629), (910, 52614), (939, 52536), (944, 52524), (950, 52503), (970, 52464), (1007, 52374), (1018, 52356), (1021, 52350), (1029, 52335), (1039, 52311), (1041, 52296), (1042, 52293), (1044, 52281), (1054, 52257), (1073, 52209), (1084, 52185),

Gene: Burritobowl_42 Start: 29479, Stop: 31353, Start Num: 241
Candidate Starts for Burritobowl_42:
(Start: 241 @29479 has 65 MA's), (Start: 299 @29548 has 1 MA's), (315, 29569), (455, 29815), (464, 29830), (474, 29857), (647, 30151), (719, 30286), (766, 30385), (804, 30508), (819, 30568), (822, 30574), (836, 30619), (843, 30634), (845, 30649), (853, 30685), (862, 30721), (903, 30814), (967, 30985), (1003, 31057), (1012, 31096), (1037, 31138), (1040, 31156), (1053, 31192), (1060, 31216), (1071, 31237),

Gene: Burton_44 Start: 34084, Stop: 32258, Start Num: 254
Candidate Starts for Burton_44:
(Start: 254 @34084 has 935 MA's), (391, 33871), (400, 33856), (426, 33808), (436, 33778), (443, 33757), (449, 33751), (455, 33742), (504, 33625), (514, 33598), (591, 33505), (596, 33490), (609, 33457), (639, 33406), (641, 33403), (680, 33337), (701, 33307), (711, 33277), (734, 33232), (755, 33193), (819, 33013), (834, 32965), (847, 32926), (862, 32860), (875, 32821), (899, 32800), (904, 32779), (910, 32761), (935, 32695), (1003, 32545), (1004, 32542), (1012, 32506), (1029, 32482), (1034, 32473), (1038, 32461), (1060, 32386), (1071, 32365),

Gene: Bustleton_37 Start: 28493, Stop: 26643, Start Num: 335
Candidate Starts for Bustleton_37:
(Start: 335 @28493 has 20 MA's), (398, 28370), (419, 28337), (469, 28226), (476, 28205), (478, 28199), (496, 28148), (554, 27992), (582, 27938), (587, 27932), (588, 27929), (591, 27917), (601, 27887), (654, 27830), (731, 27683), (789, 27536), (855, 27326), (859, 27314), (862, 27296), (876, 27254), (884, 27239), (902, 27203), (912, 27167), (982, 26978), (985, 26969), (1004, 26909), (1007, 26885), (1015, 26864), (1022, 26852), (1058, 26741),

Gene: Button_46 Start: 32802, Stop: 30418, Start Num: 57
Candidate Starts for Button_46:
(Start: 57 @32802 has 26 MA's), (103, 32688), (115, 32658), (165, 32550), (176, 32529), (294, 32391), (303, 32376), (333, 32328), (367, 32253), (371, 32247), (373, 32241), (376, 32235), (417, 32166), (426, 32142), (433, 32121), (434, 32118), (437, 32109), (469, 32043), (476, 32022), (530, 31875), (569, 31761), (593, 31713), (596, 31704), (603, 31683), (611, 31677), (716, 31584), (722, 31572), (754, 31500), (774, 31458), (778, 31446), (816, 31305), (823, 31281), (827, 31266), (841, 31230), (862, 31137), (874, 31101), (876, 31095), (880, 31089), (883, 31083), (905, 31026), (910, 31011), (912, 31002), (970, 30843), (979, 30822), (991, 30783), (1004, 30744), (1006, 30723), (1013, 30702), (1020, 30690), (1032, 30672), (1046, 30609), (1049, 30603), (1058, 30576), (1064, 30552), (1072, 30531), (1108, 30444),

Gene: Buttons_43 Start: 33067, Stop: 31241, Start Num: 254
Candidate Starts for Buttons_43:
(Start: 254 @33067 has 935 MA's), (391, 32854), (422, 32803), (436, 32761), (443, 32740), (449, 32734), (455, 32725), (504, 32608), (514, 32581), (591, 32488), (596, 32473), (639, 32389), (641, 32386), (680, 32320), (701, 32290), (711, 32260), (734, 32215), (755, 32176), (819, 31996), (834, 31948), (847, 31909), (862, 31843), (875, 31804), (899, 31783), (904, 31762), (910, 31744), (935, 31678), (1003, 31528), (1004, 31525), (1012, 31489), (1029, 31465), (1034, 31456), (1038, 31444), (1060, 31369), (1071, 31348),

Gene: Buttrmlkdreams_45 Start: 32962, Stop: 30572, Start Num: 45
Candidate Starts for Buttrmlkdreams_45:
(Start: 45 @32962 has 21 MA's), (80, 32899), (87, 32881), (93, 32866), (115, 32812), (118, 32800), (124, 32779), (139, 32746), (152, 32719), (165, 32695), (201, 32668), (Start: 277 @32563 has 1 MA's), (307, 32515), (367, 32398), (417, 32317), (427, 32290), (434, 32269), (461, 32212), (469, 32194), (476, 32173), (497, 32113), (537, 31990), (539, 31984), (569, 31915), (591, 31873), (668, 31786), (684, 31762), (706, 31756), (716, 31732), (720, 31723), (727, 31708), (733, 31696), (753, 31654), (754, 31651), (755, 31648), (807, 31501), (825, 31432), (827, 31426), (841, 31390), (862, 31297), (874, 31261), (876, 31255), (880, 31249), (883, 31243), (905, 31186), (912, 31162), (925, 31117), (1058, 30736), (1072, 30691), (1076, 30682), (1101, 30622),

Gene: BuzzBuzz_46 Start: 31884, Stop: 30070, Start Num: 254
Candidate Starts for BuzzBuzz_46:
(Start: 254 @31884 has 935 MA's), (284, 31845), (289, 31833), (386, 31680), (395, 31665), (426, 31608), (449, 31551), (455, 31542), (474, 31500), (494, 31449), (514, 31398), (568, 31344), (591, 31305), (609, 31257), (626, 31233), (647, 31194), (666, 31167), (680, 31137), (727, 31044), (734, 31032), (758, 30984), (767, 30969), (819, 30813), (836, 30762), (846, 30729), (847, 30726), (862, 30660), (875, 30621), (905, 30549), (920, 30510), (929, 30486), (935, 30468), (946, 30435), (985, 30354), (1007, 30294), (1043, 30207), (1060, 30159), (1065, 30147), (1071, 30138), (1073, 30135),

Gene: Bxb1_41 Start: 34132, Stop: 32306, Start Num: 254
Candidate Starts for Bxb1_41:
(Start: 254 @34132 has 935 MA's), (369, 33961), (391, 33919), (400, 33904), (426, 33856), (436, 33826), (443, 33805), (449, 33799), (455, 33790), (504, 33673), (514, 33646), (591, 33553), (596, 33538), (603, 33517), (609, 33505), (639, 33454), (641, 33451), (675, 33397), (680, 33385), (701, 33355), (711, 33325), (734, 33280), (755, 33241), (819, 33061), (830, 33031), (834, 33013), (847, 32974), (862, 32908), (904, 32827), (905, 32824), (935, 32743), (1003, 32593), (1004, 32590), (1012, 32554), (1029, 32530), (1034, 32521), (1038, 32509), (1043, 32482), (1060, 32434), (1071, 32413),

Gene: Bxz2_44 Start: 31891, Stop: 30077, Start Num: 254
Candidate Starts for Bxz2_44:
(Start: 254 @31891 has 935 MA's), (284, 31852), (289, 31840), (386, 31687), (395, 31672), (426, 31615), (449, 31558), (455, 31549), (474, 31507), (494, 31456), (514, 31405), (568, 31351), (591, 31312), (609, 31264), (626, 31240), (647, 31201), (666, 31174), (680, 31144), (727, 31051), (734, 31039), (758, 30991), (767, 30976), (819, 30820), (836, 30769), (846, 30736), (847, 30733), (862, 30667), (875, 30628), (905, 30556), (920, 30517), (929, 30493), (935, 30475), (946, 30442), (1007, 30301), (1043, 30214), (1060, 30166), (1065, 30154), (1071, 30145), (1073, 30142),

Gene: Byron23_39 Start: 28933, Stop: 27068, Start Num: 339
Candidate Starts for Byron23_39:
(Start: 275 @29020 has 3 MA's), (Start: 277 @29017 has 1 MA's), (Start: 339 @28933 has 121 MA's), (Start: 342 @28924 has 5 MA's), (392, 28819), (398, 28810), (418, 28780), (419, 28777), (472, 28657), (476, 28645), (478, 28639), (518, 28534), (525, 28507), (582, 28366), (587, 28360), (588, 28357), (591, 28345), (600, 28318), (601, 28315), (612, 28300), (634, 28294), (637, 28288), (657, 28255), (749, 28066), (855, 27751), (858, 27742), (859, 27739), (862, 27721), (876, 27679), (880, 27673), (884, 27664), (895, 27649), (912, 27592), (970, 27433), (982, 27403), (985, 27394), (1004, 27334), (1007, 27310), (1025, 27271), (1039, 27238), (1040, 27226), (1058, 27166),

Gene: C3_43 Start: 31569, Stop: 29770, Start Num: 254
Candidate Starts for C3_43:
(Start: 254 @31569 has 935 MA's), (386, 31365), (426, 31290), (427, 31287), (436, 31260), (441, 31245), (449, 31233), (474, 31182), (514, 31080), (591, 30987), (594, 30978), (609, 30939), (618,

30930), (666, 30849), (681, 30816), (701, 30789), (755, 30675), (767, 30651), (819, 30486), (834, 30438), (847, 30399), (855, 30363), (862, 30333), (875, 30294), (899, 30273), (935, 30168), (946, 30135), (975, 30072), (1003, 30018), (1007, 29994), (1060, 29859), (1065, 29847), (1071, 29838),

Gene: CRB1_46 Start: 31778, Stop: 29991, Start Num: 254
Candidate Starts for CRB1_46:
(Start: 254 @31778 has 935 MA's), (386, 31574), (388, 31571), (391, 31565), (402, 31550), (413, 31535), (426, 31502), (427, 31499), (436, 31472), (449, 31445), (463, 31424), (474, 31394), (514, 31292), (591, 31199), (609, 31151), (618, 31142), (626, 31127), (666, 31061), (681, 31028), (708, 30980), (732, 30932), (734, 30926), (767, 30863), (798, 30788), (819, 30707), (846, 30623), (847, 30620), (862, 30554), (875, 30515), (899, 30494), (925, 30419), (931, 30401), (935, 30389), (946, 30356), (975, 30293), (985, 30275), (1003, 30239), (1007, 30215), (1037, 30158), (1060, 30080), (1065, 30068), (1071, 30059),

Gene: CRB2_57 Start: 55662, Stop: 53833, Start Num: 215
Candidate Starts for CRB2_57:
(Start: 215 @55662 has 328 MA's), (Start: 258 @55635 has 2 MA's), (280, 55608), (305, 55563), (320, 55554), (338, 55536), (382, 55452), (388, 55443), (433, 55344), (454, 55305), (467, 55281), (511, 55173), (567, 55116), (590, 55080), (594, 55068), (603, 55044), (605, 55041), (609, 55032), (670, 54924), (671, 54921), (673, 54918), (679, 54903), (684, 54891), (706, 54855), (775, 54690), (796, 54624), (797, 54621), (800, 54603), (806, 54585), (813, 54561), (814, 54555), (820, 54528), (854, 54420), (856, 54414), (859, 54405), (904, 54306), (905, 54303), (910, 54288), (939, 54210), (944, 54198), (950, 54177), (958, 54159), (974, 54129), (996, 54093), (1007, 54048), (1018, 54030), (1021, 54024), (1039, 53985), (1040, 53973), (1041, 53970), (1054, 53931), (1062, 53907), (1073, 53883), (1084, 53859),

Gene: CactusRose_42 Start: 33957, Stop: 32131, Start Num: 254
Candidate Starts for CactusRose_42:
(Start: 254 @33957 has 935 MA's), (391, 33744), (400, 33729), (426, 33681), (436, 33651), (443, 33630), (449, 33624), (455, 33615), (504, 33498), (514, 33471), (591, 33378), (596, 33363), (609, 33330), (639, 33279), (641, 33276), (680, 33210), (701, 33180), (711, 33150), (734, 33105), (755, 33066), (819, 32886), (834, 32838), (847, 32799), (862, 32733), (875, 32694), (899, 32673), (904, 32652), (910, 32634), (935, 32568), (1003, 32418), (1004, 32415), (1012, 32379), (1029, 32355), (1034, 32346), (1038, 32334), (1060, 32259), (1071, 32238),

Gene: Caelakin_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Caelakin_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: CaiB_54 Start: 48539, Stop: 46722, Start Num: 251
Candidate Starts for CaiB_54:
(183, 48632), (197, 48611), (Start: 251 @48539 has 15 MA's), (Start: 258 @48530 has 2 MA's), (280, 48503), (Start: 288 @48488 has 1 MA's), (300, 48467), (305, 48458), (388, 48320), (409, 48284), (511, 48056), (567, 47999), (590, 47963), (594, 47951), (598, 47939), (603, 47927), (658, 47834), (666, 47822), (671, 47810), (679, 47792), (753, 47636), (796, 47519), (814, 47450), (820, 47423), (854, 47315), (856, 47309), (859, 47300), (902, 47210), (904, 47201), (905, 47198), (910, 47183), (939, 47105), (944, 47093), (945, 47087), (950, 47072), (974, 47024), (1007, 46943), (1021, 46919), (1039, 46880), (1041, 46865), (1054, 46820), (1084, 46748),

Gene: Caitlin_42 Start: 30535, Stop: 28691, Start Num: 254
Candidate Starts for Caitlin_42:
(Start: 149 @30700 has 1 MA's), (Start: 254 @30535 has 935 MA's), (289, 30484), (371, 30361), (386, 30331), (413, 30292), (426, 30259), (436, 30229), (443, 30208), (449, 30202), (455, 30193), (494, 30100), (514, 30049), (591, 29953), (600, 29926), (606, 29908), (609, 29905), (618, 29896), (647, 29842), (666, 29815), (690, 29767), (719, 29710), (734, 29683), (759, 29632), (768, 29617), (815, 29470), (819, 29449), (830, 29419), (834, 29401), (836, 29398), (843, 29383), (847, 29362), (850, 29353), (855, 29326), (859, 29314), (862, 29296), (904, 29215), (908, 29203), (929, 29149), (941, 29113), (953, 29077), (971, 29044), (983, 29023), (985, 29017), (1004, 28978), (1007, 28957), (1018, 28939), (1060, 28822), (1065, 28810),

Gene: Calamitous_57 Start: 52488, Stop: 50659, Start Num: 215
Candidate Starts for Calamitous_57:
(Start: 215 @52488 has 328 MA's), (Start: 258 @52461 has 2 MA's), (Start: 282 @52431 has 7 MA's), (Start: 288 @52419 has 1 MA's), (Start: 304 @52392 has 2 MA's), (305, 52389), (314, 52380), (338, 52362), (388, 52266), (418, 52215), (426, 52191), (496, 52029), (503, 52014), (506, 52005), (511, 51993), (567, 51936), (590, 51900), (594, 51888), (603, 51864), (652, 51780), (670, 51750), (671, 51747), (684, 51717), (753, 51573), (778, 51507), (796, 51456), (800, 51435), (806, 51417), (820, 51360), (844, 51303), (850, 51276), (856, 51246), (859, 51237), (879, 51171), (902, 51144), (904, 51135), (910, 51117), (920, 51093), (939, 51039), (944, 51027), (950, 51006), (985, 50937), (1007, 50877), (1018, 50859), (1035, 50826), (1039, 50814), (1041, 50799), (1042, 50796), (1044, 50784), (1054, 50760), (1055, 50757), (1073, 50709), (1075, 50706), (1084, 50685), (1091, 50664),

Gene: Calix_38 Start: 28615, Stop: 26750, Start Num: 339
Candidate Starts for Calix_38:
(Start: 275 @28702 has 3 MA's), (Start: 339 @28615 has 121 MA's), (Start: 342 @28606 has 5 MA's), (392, 28501), (398, 28492), (418, 28462), (419, 28459), (472, 28339), (476, 28327), (478, 28321), (518, 28216), (525, 28189), (582, 28048), (587, 28042), (588, 28039), (591, 28027), (600, 28000), (601, 27997), (612, 27982), (634, 27976), (637, 27970), (657, 27937), (725, 27808), (749, 27748), (855, 27433), (858, 27424), (859, 27421), (862, 27403), (876, 27361), (880, 27355), (895, 27331), (912, 27274), (970, 27115), (982, 27085), (985, 27076), (1004, 27016), (1007, 26992), (1025, 26953), (1039, 26920), (1040, 26908), (1058, 26848),

Gene: CallinAllBarbz_41 Start: 29407, Stop: 31281, Start Num: 254
Candidate Starts for CallinAllBarbz_41:
(Start: 254 @29407 has 935 MA's), (269, 29425), (411, 29638), (418, 29650), (427, 29677), (436, 29704), (443, 29725), (463, 29752), (593, 30001), (647, 30109), (657, 30124), (708, 30214), (732, 30262), (819, 30520), (830, 30550), (853, 30637), (855, 30643), (860, 30664), (943, 30877), (971, 30946), (974, 30952), (1007, 31033), (1021, 31057), (1034, 31081), (1042, 31114), (1053, 31144), (1060, 31168), (1064, 31177), (1076, 31198),

Gene: Calvinny_48 Start: 31753, Stop: 29939, Start Num: 254
Candidate Starts for Calvinny_48:
(Start: 254 @31753 has 935 MA's), (284, 31714), (289, 31702), (386, 31549), (395, 31534), (426, 31477), (449, 31420), (455, 31411), (474, 31369), (494, 31318), (514, 31267), (591, 31174), (609, 31126), (626, 31102), (647, 31063), (666, 31036), (680, 31006), (727, 30913), (734, 30901), (758, 30853), (767, 30838), (819, 30682), (836, 30631), (846, 30598), (847, 30595), (862, 30529), (875, 30490), (905, 30418), (920, 30379), (929, 30355), (935, 30337), (946, 30304), (985, 30223), (1007, 30163), (1018, 30145), (1041, 30085), (1043, 30076), (1060, 30028), (1065, 30016), (1071, 30007),

Gene: CamL_60 Start: 54350, Stop: 52491, Start Num: 215
Candidate Starts for CamL_60:

(Start: 198 @54374 has 1 MA's), (Start: 215 @54350 has 328 MA's), (Start: 245 @54326 has 14 MA's), (Start: 258 @54320 has 2 MA's), (Start: 288 @54278 has 1 MA's), (300, 54257), (360, 54143), (363, 54137), (382, 54107), (418, 54047), (425, 54026), (442, 53972), (454, 53960), (464, 53942), (469, 53930), (511, 53825), (567, 53768), (590, 53732), (594, 53720), (605, 53693), (630, 53648), (666, 53591), (670, 53582), (671, 53579), (813, 53219), (820, 53186), (827, 53165), (856, 53072), (859, 53063), (881, 53000), (904, 52964), (905, 52961), (910, 52946), (939, 52868), (944, 52856), (950, 52835), (970, 52796), (1007, 52706), (1018, 52688), (1021, 52682), (1029, 52667), (1039, 52643), (1041, 52628), (1042, 52625), (1044, 52613), (1054, 52589), (1073, 52541), (1084, 52517),

Gene: CampRoach_62 Start: 54448, Stop: 52589, Start Num: 215
Candidate Starts for CampRoach_62:
(Start: 198 @54472 has 1 MA's), (Start: 215 @54448 has 328 MA's), (Start: 245 @54424 has 14 MA's), (Start: 258 @54418 has 2 MA's), (Start: 288 @54376 has 1 MA's), (300, 54355), (360, 54241), (363, 54235), (382, 54205), (418, 54145), (425, 54124), (442, 54070), (454, 54058), (464, 54040), (469, 54028), (511, 53923), (567, 53866), (590, 53830), (594, 53818), (605, 53791), (620, 53764), (630, 53746), (641, 53728), (666, 53689), (670, 53680), (671, 53677), (673, 53674), (813, 53317), (820, 53284), (827, 53263), (856, 53170), (859, 53161), (881, 53098), (904, 53062), (905, 53059), (910, 53044), (939, 52966), (944, 52954), (950, 52933), (970, 52894), (1007, 52804), (1018, 52786), (1021, 52780), (1029, 52765), (1039, 52741), (1041, 52726), (1042, 52723), (1044, 52711), (1054, 52687), (1073, 52639), (1084, 52615),

Gene: Camperdownii_43 Start: 31243, Stop: 29417, Start Num: 254
Candidate Starts for Camperdownii_43:
(Start: 254 @31243 has 935 MA's), (271, 31222), (289, 31192), (305, 31162), (413, 31000), (421, 30982), (449, 30910), (455, 30901), (505, 30781), (514, 30757), (591, 30664), (611, 30616), (626, 30595), (647, 30556), (719, 30424), (732, 30403), (755, 30358), (759, 30346), (815, 30193), (819, 30172), (855, 30049), (862, 30019), (875, 29980), (904, 29914), (905, 29911), (910, 29896), (920, 29872), (929, 29848), (1007, 29641), (1060, 29506), (1065, 29494), (1071, 29485),

Gene: CanFranMach_44 Start: 29917, Stop: 31809, Start Num: 241
Candidate Starts for CanFranMach_44:
(146, 29761), (201, 29854), (Start: 241 @29917 has 65 MA's), (Start: 299 @29986 has 1 MA's), (439, 30229), (455, 30253), (463, 30265), (464, 30268), (647, 30589), (766, 30841), (804, 30964), (819, 31024), (822, 31030), (836, 31075), (843, 31090), (845, 31105), (853, 31141), (862, 31177), (903, 31270), (967, 31441), (1003, 31513), (1007, 31537), (1012, 31552), (1037, 31594), (1060, 31672), (1071, 31693), (1080, 31714),

Gene: Candra_45 Start: 29663, Stop: 27822, Start Num: 254
Candidate Starts for Candra_45:
(Start: 254 @29663 has 935 MA's), (386, 29459), (426, 29384), (427, 29381), (436, 29354), (441, 29339), (449, 29327), (474, 29276), (510, 29186), (514, 29174), (591, 29081), (605, 29042), (618, 29024), (626, 29009), (666, 28943), (681, 28910), (683, 28907), (735, 28805), (767, 28745), (798, 28661), (819, 28580), (846, 28496), (847, 28493), (850, 28484), (855, 28457), (862, 28427), (899, 28367), (910, 28328), (1003, 28112), (1004, 28109), (1007, 28088), (1060, 27953), (1065, 27941), (1071, 27932), (1073, 27929), (1111, 27836),

Gene: CanesSauce_42 Start: 32324, Stop: 29937, Start Num: 57
Candidate Starts for CanesSauce_42:
(31, 32396), (33, 32381), (Start: 57 @32324 has 26 MA's), (61, 32315), (63, 32309), (93, 32228), (139, 32108), (165, 32057), (Start: 277 @31925 has 1 MA's), (294, 31898), (303, 31883), (333, 31835), (346, 31805), (367, 31760), (406, 31700), (417, 31682), (434, 31634), (459, 31580), (461, 31577), (469, 31559), (476, 31538), (494, 31487), (497, 31478), (498, 31475), (525, 31400), (537, 31355), (562, 31295), (569, 31280), (611, 31196), (668, 31151), (684, 31127), (706, 31121), (716, 31097), (753,

31019), (754, 31016), (755, 31013), (807, 30866), (825, 30797), (853, 30698), (862, 30662), (874, 30626), (876, 30620), (880, 30614), (883, 30608), (897, 30584), (905, 30551), (912, 30527), (925, 30482), (945, 30422), (1004, 30269), (1012, 30230), (1013, 30227), (1058, 30101), (1072, 30056), (1076, 30047),

Gene: Cannibal_60 Start: 54292, Stop: 52433, Start Num: 215
Candidate Starts for Cannibal_60:
(Start: 198 @54316 has 1 MA's), (Start: 215 @54292 has 328 MA's), (Start: 245 @54268 has 14 MA's), (Start: 258 @54262 has 2 MA's), (Start: 288 @54220 has 1 MA's), (300, 54199), (360, 54085), (363, 54079), (382, 54049), (418, 53989), (425, 53968), (442, 53914), (454, 53902), (464, 53884), (469, 53872), (511, 53767), (567, 53710), (590, 53674), (594, 53662), (605, 53635), (630, 53590), (666, 53533), (670, 53524), (671, 53521), (813, 53161), (820, 53128), (827, 53107), (856, 53014), (859, 53005), (881, 52942), (904, 52906), (905, 52903), (910, 52888), (939, 52810), (944, 52798), (950, 52777), (970, 52738), (1007, 52648), (1018, 52630), (1021, 52624), (1029, 52609), (1039, 52585), (1041, 52570), (1042, 52567), (1044, 52555), (1054, 52531), (1073, 52483), (1084, 52459),

Gene: Cappuccino_38 Start: 27602, Stop: 29584, Start Num: 253
Candidate Starts for Cappuccino_38:
(Start: 253 @27602 has 33 MA's), (371, 27776), (415, 27839), (427, 27872), (463, 27947), (568, 28175), (647, 28349), (732, 28505), (788, 28643), (812, 28730), (819, 28763), (830, 28793), (847, 28850), (862, 28916), (903, 29009), (1007, 29276), (1021, 29300), (1060, 29411), (1107, 29519),

Gene: CaptainRex_37 Start: 26990, Stop: 25125, Start Num: 337
Candidate Starts for CaptainRex_37:
(Start: 337 @26990 has 44 MA's), (341, 26984), (387, 26885), (392, 26876), (408, 26852), (418, 26837), (420, 26831), (438, 26780), (441, 26777), (478, 26696), (531, 26546), (533, 26543), (569, 26444), (587, 26417), (588, 26414), (591, 26402), (601, 26372), (634, 26351), (654, 26315), (731, 26168), (774, 26066), (798, 25988), (855, 25808), (862, 25778), (883, 25724), (895, 25706), (912, 25649), (918, 25622), (933, 25580), (946, 25541), (982, 25460), (985, 25451), (1004, 25391), (1007, 25367), (1011, 25355), (1015, 25346), (1025, 25328), (1039, 25295), (1058, 25223),

Gene: CaramelLatte_42 Start: 32324, Stop: 29937, Start Num: 57
Candidate Starts for CaramelLatte_42:
(31, 32396), (33, 32381), (Start: 57 @32324 has 26 MA's), (61, 32315), (63, 32309), (93, 32228), (139, 32108), (165, 32057), (Start: 277 @31925 has 1 MA's), (294, 31898), (303, 31883), (333, 31835), (346, 31805), (367, 31760), (406, 31700), (417, 31682), (434, 31634), (459, 31580), (461, 31577), (469, 31559), (476, 31538), (494, 31487), (497, 31478), (498, 31475), (525, 31400), (537, 31355), (562, 31295), (569, 31280), (611, 31196), (668, 31151), (684, 31127), (706, 31121), (716, 31097), (753, 31019), (754, 31016), (755, 31013), (807, 30866), (825, 30797), (853, 30698), (862, 30662), (874, 30626), (876, 30620), (880, 30614), (883, 30608), (897, 30584), (905, 30551), (912, 30527), (925, 30482), (945, 30422), (1004, 30269), (1012, 30230), (1013, 30227), (1058, 30101), (1072, 30056), (1076, 30047),

Gene: Caraxes_45 Start: 30012, Stop: 28183, Start Num: 254
Candidate Starts for Caraxes_45:
(Start: 254 @30012 has 935 MA's), (386, 29808), (391, 29799), (413, 29769), (426, 29736), (427, 29733), (436, 29706), (449, 29679), (463, 29658), (514, 29526), (591, 29433), (609, 29385), (666, 29295), (690, 29247), (732, 29166), (819, 28941), (847, 28854), (855, 28818), (862, 28788), (875, 28749), (899, 28728), (904, 28707), (910, 28689), (946, 28590), (956, 28563), (975, 28527), (985, 28509), (1003, 28473), (1060, 28314), (1065, 28302), (1071, 28293), (1091, 28245), (1105, 28215),

Gene: CardboardBox_41 Start: 28660, Stop: 26870, Start Num: 236
Candidate Starts for CardboardBox_41:

(194, 28720), (Start: 215 @28696 has 328 MA's), (Start: 229 @28675 has 1 MA's), (Start: 236 @28660 has 5 MA's), (Start: 245 @28651 has 14 MA's), (328, 28528), (356, 28480), (437, 28342), (438, 28336), (467, 28288), (506, 28207), (509, 28201), (517, 28177), (591, 28108), (632, 28027), (647, 28000), (657, 27985), (692, 27922), (721, 27865), (734, 27841), (736, 27835), (755, 27799), (774, 27763), (803, 27691), (815, 27649), (822, 27622), (851, 27526), (856, 27502), (862, 27475), (875, 27436), (906, 27361), (932, 27292), (948, 27244), (956, 27223), (979, 27169), (984, 27154), (1008, 27088), (1037, 27031), (1041, 27010), (1042, 27007), (1045, 26989), (1054, 26974),

Gene: CarisSwetlik_41 Start: 29837, Stop: 27969, Start Num: 339
Candidate Starts for CarisSwetlik_41:
(216, 30002), (Start: 246 @29957 has 3 MA's), (Start: 275 @29924 has 3 MA's), (Start: 282 @29915 has 7 MA's), (Start: 339 @29837 has 121 MA's), (Start: 342 @29828 has 5 MA's), (418, 29684), (419, 29681), (469, 29570), (472, 29561), (476, 29549), (478, 29543), (518, 29438), (544, 29345), (582, 29270), (588, 29261), (591, 29249), (600, 29222), (601, 29219), (612, 29204), (634, 29198), (637, 29192), (725, 29030), (773, 28916), (855, 28655), (858, 28646), (859, 28643), (862, 28625), (876, 28583), (912, 28493), (918, 28466), (970, 28334), (985, 28295), (1004, 28235), (1007, 28211), (1025, 28172), (1039, 28139), (1040, 28127),

Gene: Carlyle_44 Start: 32803, Stop: 30974, Start Num: 254
Candidate Starts for Carlyle_44:
(Start: 254 @32803 has 935 MA's), (391, 32590), (400, 32575), (436, 32497), (443, 32476), (449, 32470), (455, 32461), (494, 32368), (504, 32344), (514, 32317), (591, 32224), (596, 32209), (609, 32176), (639, 32125), (641, 32122), (680, 32056), (701, 32026), (711, 31996), (734, 31951), (755, 31912), (819, 31732), (834, 31684), (850, 31636), (859, 31597), (862, 31579), (875, 31540), (899, 31519), (904, 31498), (909, 31483), (953, 31360), (1035, 31189), (1040, 31165), (1057, 31117), (1060, 31105), (1071, 31084), (1075, 31078), (1094, 31030), (1101, 31015),

Gene: Caron_50 Start: 32142, Stop: 34007, Start Num: 254
Candidate Starts for Caron_50:
(Start: 254 @32142 has 935 MA's), (332, 32250), (587, 32715), (642, 32838), (647, 32844), (732, 32997), (762, 33060), (819, 33255), (841, 33318), (852, 33366), (853, 33372), (863, 33411), (936, 33594), (1060, 33903), (1096, 33981), (1105, 34002),

Gene: Carostasia_37 Start: 28508, Stop: 26607, Start Num: 337
Candidate Starts for Carostasia_37:
(Start: 337 @28508 has 44 MA's), (398, 28385), (408, 28370), (418, 28355), (430, 28322), (434, 28313), (438, 28298), (459, 28262), (465, 28247), (476, 28220), (478, 28214), (496, 28163), (511, 28124), (531, 28064), (582, 27938), (588, 27929), (591, 27917), (601, 27887), (634, 27866), (654, 27830), (731, 27683), (749, 27638), (791, 27527), (845, 27332), (855, 27290), (862, 27260), (876, 27218), (895, 27188), (902, 27167), (912, 27131), (1004, 26873), (1007, 26849), (1022, 26816), (1025, 26810), (1058, 26705),

Gene: Carsonalex_46 Start: 32513, Stop: 30120, Start Num: 45
Candidate Starts for Carsonalex_46:
(Start: 45 @32513 has 21 MA's), (59, 32507), (Start: 75 @32459 has 1 MA's), (93, 32417), (103, 32393), (152, 32267), (165, 32243), (213, 32198), (247, 32147), (260, 32132), (Start: 277 @32111 has 1 MA's), (307, 32063), (326, 32030), (333, 32021), (367, 31946), (373, 31934), (417, 31865), (427, 31838), (429, 31832), (434, 31817), (459, 31763), (461, 31760), (469, 31742), (476, 31721), (497, 31661), (537, 31538), (539, 31532), (569, 31463), (591, 31421), (668, 31334), (684, 31310), (706, 31304), (716, 31280), (720, 31271), (727, 31256), (733, 31244), (753, 31202), (754, 31199), (755, 31196), (774, 31160), (807, 31049), (825, 30980), (827, 30974), (841, 30938), (862, 30845), (874, 30809), (876, 30803), (880, 30797), (883, 30791), (905, 30734), (910, 30719), (912, 30710), (925, 30665), (958, 30572), (1058, 30284), (1072, 30239), (1076, 30230), (1101, 30170),

Gene: Carthage_59 Start: 53529, Stop: 51670, Start Num: 215
Candidate Starts for Carthage_59:
(44, 53925), (72, 53838), (78, 53823), (83, 53817), (88, 53802), (94, 53784), (Start: 198 @53553 has 1 MA's), (Start: 215 @53529 has 328 MA's), (Start: 245 @53505 has 14 MA's), (Start: 258 @53499 has 2 MA's), (Start: 288 @53457 has 1 MA's), (300, 53436), (360, 53322), (363, 53316), (382, 53286), (418, 53226), (425, 53205), (442, 53151), (454, 53139), (469, 53109), (511, 53004), (567, 52947), (590, 52911), (594, 52899), (605, 52872), (609, 52863), (630, 52827), (641, 52809), (666, 52770), (670, 52761), (671, 52758), (813, 52398), (820, 52365), (827, 52344), (856, 52251), (859, 52242), (881, 52179), (904, 52143), (905, 52140), (910, 52125), (939, 52047), (944, 52035), (950, 52014), (970, 51975), (1007, 51885), (1018, 51867), (1021, 51861), (1029, 51846), (1039, 51822), (1041, 51807), (1042, 51804), (1044, 51792), (1054, 51768), (1073, 51720), (1084, 51696),

Gene: CartmannCramer_44 Start: 36675, Stop: 34849, Start Num: 254
Candidate Starts for CartmannCramer_44:
(Start: 254 @36675 has 935 MA's), (391, 36462), (426, 36399), (436, 36369), (443, 36348), (449, 36342), (455, 36333), (504, 36216), (514, 36189), (591, 36096), (596, 36081), (609, 36048), (639, 35997), (641, 35994), (680, 35928), (701, 35898), (711, 35868), (734, 35823), (755, 35784), (819, 35604), (834, 35556), (847, 35517), (862, 35451), (875, 35412), (899, 35391), (904, 35370), (910, 35352), (935, 35286), (1003, 35136), (1004, 35133), (1012, 35097), (1029, 35073), (1038, 35052), (1060, 34977), (1071, 34956),

Gene: Casbah_58 Start: 53994, Stop: 52177, Start Num: 256
Candidate Starts for Casbah_58:
(137, 54177), (Start: 256 @53994 has 51 MA's), (280, 53964), (391, 53784), (463, 53631), (467, 53619), (481, 53589), (489, 53583), (511, 53520), (513, 53514), (567, 53463), (590, 53427), (609, 53379), (671, 53274), (718, 53178), (747, 53127), (796, 52983), (806, 52944), (814, 52914), (820, 52887), (824, 52875), (854, 52779), (856, 52773), (859, 52764), (861, 52752), (893, 52680), (904, 52650), (910, 52632), (915, 52623), (939, 52554), (944, 52542), (950, 52521), (985, 52452), (996, 52437), (1004, 52413), (1007, 52392), (1018, 52374), (1021, 52368), (1037, 52335), (1039, 52329), (1042, 52311), (1044, 52299), (1050, 52287), (1054, 52275), (1070, 52233), (1084, 52203),

Gene: Casey_35 Start: 27722, Stop: 25905, Start Num: 336
Candidate Starts for Casey_35:
(Start: 336 @27722 has 4 MA's), (343, 27707), (476, 27431), (478, 27425), (540, 27290), (545, 27275), (587, 27197), (588, 27194), (591, 27182), (601, 27152), (654, 27095), (731, 26948), (798, 26768), (845, 26630), (858, 26579), (859, 26576), (862, 26558), (863, 26555), (876, 26516), (912, 26429), (918, 26402), (970, 26270), (1007, 26147), (1022, 26114), (1025, 26108), (1032, 26099), (1058, 26003), (1059, 25997),

Gene: Cashington_40 Start: 28858, Stop: 30732, Start Num: 241
Candidate Starts for Cashington_40:
(Start: 238 @28855 has 7 MA's), (Start: 241 @28858 has 65 MA's), (Start: 299 @28927 has 1 MA's), (315, 28948), (386, 29065), (426, 29128), (455, 29194), (474, 29236), (647, 29530), (766, 29764), (804, 29887), (819, 29947), (822, 29953), (836, 29998), (843, 30013), (845, 30028), (853, 30064), (862, 30100), (903, 30193), (936, 30286), (967, 30364), (1003, 30436), (1012, 30475), (1037, 30517), (1040, 30535), (1060, 30595), (1071, 30616),

Gene: Caspiboi_61 Start: 54270, Stop: 52411, Start Num: 215
Candidate Starts for Caspiboi_61:
(Start: 198 @54294 has 1 MA's), (Start: 215 @54270 has 328 MA's), (Start: 245 @54246 has 14 MA's), (Start: 258 @54240 has 2 MA's), (Start: 288 @54198 has 1 MA's), (300, 54177), (360, 54063), (363, 54057), (382, 54027), (418, 53967), (425, 53946), (442, 53892), (454, 53880), (464, 53862),

(469, 53850), (511, 53745), (567, 53688), (590, 53652), (594, 53640), (605, 53613), (630, 53568), (666, 53511), (670, 53502), (671, 53499), (783, 53241), (813, 53139), (820, 53106), (827, 53085), (856, 52992), (859, 52983), (881, 52920), (904, 52884), (905, 52881), (910, 52866), (939, 52788), (944, 52776), (950, 52755), (970, 52716), (1007, 52626), (1018, 52608), (1021, 52602), (1029, 52587), (1039, 52563), (1041, 52548), (1042, 52545), (1044, 52533), (1054, 52509), (1060, 52488), (1073, 52461), (1084, 52437), (1089, 52422),

Gene: Casserole_35 Start: 32865, Stop: 31120, Start Num: 285
Candidate Starts for Casserole_35:
(267, 32892), (Start: 285 @32865 has 6 MA's), (287, 32862), (Start: 304 @32829 has 2 MA's), (308, 32823), (361, 32730), (383, 32697), (401, 32670), (465, 32535), (558, 32406), (561, 32400), (578, 32376), (585, 32361), (594, 32334), (605, 32304), (650, 32223), (656, 32214), (684, 32154), (698, 32133), (761, 32019), (768, 32001), (875, 31623), (885, 31605), (921, 31539), (927, 31524), (1012, 31305), (1035, 31263), (1060, 31179),

Gene: Cassia_40 Start: 29351, Stop: 31216, Start Num: 254
Candidate Starts for Cassia_40:
(Start: 254 @29351 has 935 MA's), (Start: 288 @29399 has 1 MA's), (436, 29648), (491, 29768), (593, 29945), (596, 29954), (647, 30053), (657, 30068), (666, 30080), (732, 30206), (788, 30344), (819, 30464), (847, 30551), (862, 30617), (903, 30710), (1003, 30953), (1060, 31112), (1064, 31121),

Gene: Cassita_65 Start: 38135, Stop: 36300, Start Num: 322
Candidate Starts for Cassita_65:
(306, 38150), (Start: 322 @38135 has 13 MA's), (334, 38120), (373, 38051), (415, 37991), (425, 37964), (426, 37961), (436, 37928), (439, 37916), (445, 37907), (446, 37898), (520, 37733), (522, 37727), (562, 37634), (581, 37595), (596, 37556), (612, 37523), (619, 37511), (623, 37505), (645, 37469), (649, 37463), (667, 37436), (682, 37403), (700, 37376), (767, 37229), (793, 37172), (822, 37067), (833, 37019), (847, 36980), (850, 36971), (903, 36776), (918, 36749), (942, 36725), (960, 36686), (980, 36638), (989, 36614), (1012, 36530), (1029, 36500), (1037, 36482), (1040, 36464), (1041, 36461), (1053, 36428), (1054, 36425), (1060, 36404), (1076, 36374), (1086, 36350), (1090, 36335), (1095, 36326),

Gene: CatBus_45 Start: 35549, Stop: 33723, Start Num: 254
Candidate Starts for CatBus_45:
(Start: 254 @35549 has 935 MA's), (391, 35336), (400, 35321), (436, 35243), (443, 35222), (449, 35216), (455, 35207), (504, 35090), (514, 35063), (591, 34970), (596, 34955), (639, 34871), (641, 34868), (680, 34802), (711, 34742), (734, 34697), (755, 34658), (819, 34478), (834, 34430), (847, 34391), (862, 34325), (875, 34286), (899, 34265), (904, 34244), (910, 34226), (935, 34160), (1000, 34019), (1003, 34010), (1004, 34007), (1012, 33971), (1029, 33947), (1034, 33938), (1038, 33926), (1060, 33851), (1071, 33830),

Gene: Catalina_46 Start: 31484, Stop: 29691, Start Num: 254
Candidate Starts for Catalina_46:
(Start: 254 @31484 has 935 MA's), (261, 31475), (289, 31433), (369, 31313), (371, 31310), (396, 31262), (427, 31202), (437, 31172), (441, 31160), (449, 31148), (514, 30995), (591, 30902), (666, 30764), (680, 30734), (759, 30575), (767, 30563), (785, 30536), (815, 30428), (819, 30407), (859, 30272), (862, 30254), (904, 30173), (920, 30131), (946, 30056), (983, 29981), (1003, 29939), (1041, 29837), (1060, 29780), (1065, 29768), (1071, 29759),

Gene: Causa_86 Start: 64971, Stop: 63172, Start Num: 254
Candidate Starts for Causa_86:
(Start: 254 @64971 has 935 MA's), (280, 64938), (Start: 288 @64923 has 1 MA's), (295, 64911), (312, 64884), (338, 64866), (349, 64839), (405, 64746), (418, 64728), (424, 64710), (442, 64653), (474,

64602), (567, 64461), (588, 64434), (590, 64425), (648, 64311), (671, 64272), (684, 64242), (697, 64224), (747, 64110), (783, 64005), (788, 63990), (813, 63903), (820, 63870), (823, 63864), (854, 63762), (856, 63756), (859, 63747), (904, 63648), (905, 63645), (910, 63630), (917, 63615), (939, 63552), (944, 63540), (950, 63519), (1000, 63423), (1007, 63390), (1039, 63327), (1044, 63297), (1048, 63291), (1050, 63285), (1054, 63273), (1072, 63225), (1084, 63198), (1089, 63183), (1091, 63177),

Gene: Caviar_44 Start: 31597, Stop: 29759, Start Num: 254
Candidate Starts for Caviar_44:
(Start: 254 @31597 has 935 MA's), (289, 31546), (386, 31393), (426, 31321), (436, 31291), (449, 31264), (455, 31255), (514, 31111), (591, 31015), (611, 30967), (647, 30907), (702, 30820), (719, 30775), (732, 30754), (768, 30682), (787, 30640), (798, 30598), (819, 30517), (834, 30469), (847, 30430), (855, 30394), (862, 30364), (873, 30334), (905, 30253), (920, 30214), (929, 30190), (935, 30172), (936, 30169), (985, 30043), (1007, 29983), (1043, 29896), (1060, 29848), (1065, 29836), (1071, 29827),

Gene: Cece_99 Start: 83690, Stop: 81819, Start Num: 246
Candidate Starts for Cece_99:
(Start: 246 @83690 has 3 MA's), (373, 83480), (418, 83414), (425, 83393), (467, 83306), (470, 83300), (512, 83207), (517, 83192), (594, 83114), (632, 83030), (647, 83003), (659, 82982), (681, 82943), (701, 82916), (703, 82910), (755, 82805), (778, 82757), (787, 82736), (790, 82727), (819, 82616), (843, 82550), (852, 82502), (873, 82418), (879, 82403), (906, 82334), (917, 82307), (920, 82298), (932, 82265), (1035, 82013), (1041, 81986), (1060, 81929),

Gene: Celaena_40 Start: 30338, Stop: 32209, Start Num: 241
Candidate Starts for Celaena_40:
(Start: 241 @30338 has 65 MA's), (Start: 299 @30407 has 1 MA's), (386, 30545), (455, 30674), (501, 30770), (647, 31010), (657, 31025), (708, 31118), (755, 31208), (819, 31424), (836, 31475), (843, 31490), (853, 31541), (856, 31550), (862, 31577), (903, 31670), (929, 31742), (967, 31841), (1003, 31913), (1007, 31937), (1037, 31994), (1053, 32048), (1060, 32072), (1071, 32093),

Gene: Celestialunch_43 Start: 30784, Stop: 28991, Start Num: 254
Candidate Starts for Celestialunch_43:
(Start: 254 @30784 has 935 MA's), (261, 30775), (386, 30580), (407, 30547), (413, 30538), (426, 30505), (449, 30448), (463, 30427), (514, 30295), (591, 30202), (606, 30157), (666, 30064), (680, 30034), (759, 29875), (785, 29836), (787, 29830), (819, 29707), (859, 29572), (862, 29554), (904, 29473), (946, 29356), (953, 29335), (1003, 29239), (1007, 29215), (1041, 29137), (1060, 29080), (1065, 29068), (1071, 29059),

Gene: Cen1621_44 Start: 29694, Stop: 31556, Start Num: 254
Candidate Starts for Cen1621_44:
(158, 29562), (170, 29580), (217, 29649), (223, 29658), (Start: 254 @29694 has 935 MA's), (332, 29802), (361, 29859), (386, 29898), (443, 30012), (609, 30330), (647, 30396), (648, 30399), (657, 30411), (666, 30423), (702, 30483), (732, 30549), (759, 30606), (779, 30657), (819, 30807), (862, 30960), (932, 31134), (935, 31143), (1040, 31395), (1057, 31443), (1060, 31455),

Gene: Centaur_45 Start: 31699, Stop: 29912, Start Num: 254
Candidate Starts for Centaur_45:
(Start: 254 @31699 has 935 MA's), (386, 31495), (388, 31492), (391, 31486), (413, 31456), (426, 31423), (427, 31420), (436, 31393), (449, 31366), (474, 31315), (514, 31213), (591, 31120), (609, 31072), (618, 31063), (626, 31048), (666, 30982), (708, 30901), (732, 30853), (798, 30709), (819, 30628), (836, 30577), (846, 30544), (862, 30475), (875, 30436), (899, 30415), (902, 30403), (904, 30394), (908, 30382), (983, 30202), (985, 30196), (1003, 30160), (1007, 30136), (1041, 30058), (1060,

30001), (1065, 29989),

Gene: CentreCat_45 Start: 31573, Stop: 29747, Start Num: 254
Candidate Starts for CentreCat_45:
(Start: 254 @31573 has 935 MA's), (271, 31552), (289, 31522), (305, 31492), (413, 31330), (421, 31312), (449, 31240), (455, 31231), (505, 31111), (514, 31087), (591, 30994), (611, 30946), (626, 30925), (647, 30886), (719, 30754), (732, 30733), (755, 30688), (759, 30676), (815, 30523), (819, 30502), (855, 30379), (862, 30349), (875, 30310), (904, 30244), (905, 30241), (910, 30226), (920, 30202), (929, 30178), (1007, 29971), (1060, 29836), (1065, 29824), (1071, 29815),

Gene: Cerulean_46 Start: 31993, Stop: 30167, Start Num: 254
Candidate Starts for Cerulean_46:
(Start: 254 @31993 has 935 MA's), (Start: 288 @31945 has 1 MA's), (386, 31789), (426, 31717), (449, 31660), (455, 31651), (505, 31531), (514, 31507), (591, 31414), (611, 31366), (626, 31345), (647, 31306), (675, 31261), (719, 31174), (725, 31165), (732, 31153), (755, 31108), (759, 31096), (815, 30943), (819, 30922), (855, 30799), (862, 30769), (875, 30730), (904, 30664), (905, 30661), (920, 30622), (929, 30598), (1007, 30391), (1060, 30256), (1065, 30244), (1071, 30235),

Gene: ChaChing_58 Start: 53696, Stop: 51879, Start Num: 256
Candidate Starts for ChaChing_58:
(137, 53879), (Start: 256 @53696 has 51 MA's), (280, 53666), (391, 53486), (463, 53333), (467, 53321), (481, 53291), (489, 53285), (511, 53222), (513, 53216), (567, 53165), (590, 53129), (609, 53081), (671, 52976), (718, 52880), (747, 52829), (796, 52685), (806, 52646), (814, 52616), (820, 52589), (824, 52577), (854, 52481), (856, 52475), (859, 52466), (861, 52454), (893, 52382), (904, 52352), (910, 52334), (915, 52325), (939, 52256), (944, 52244), (950, 52223), (985, 52154), (996, 52139), (1004, 52115), (1007, 52094), (1021, 52070), (1039, 52031), (1042, 52013), (1044, 52001), (1050, 51989), (1054, 51977), (1070, 51935), (1084, 51905),

Gene: Chadwick_40 Start: 30056, Stop: 28191, Start Num: 254
Candidate Starts for Chadwick_40:
(Start: 224 @30089 has 2 MA's), (Start: 254 @30056 has 935 MA's), (334, 29945), (388, 29849), (426, 29780), (427, 29777), (436, 29750), (449, 29723), (455, 29714), (491, 29630), (494, 29621), (501, 29606), (514, 29570), (571, 29510), (591, 29474), (609, 29426), (625, 29405), (626, 29402), (659, 29342), (706, 29264), (727, 29216), (734, 29204), (758, 29156), (783, 29105), (819, 28970), (834, 28922), (843, 28904), (847, 28883), (850, 28874), (856, 28844), (862, 28817), (863, 28814), (904, 28736), (910, 28718), (929, 28670), (946, 28619), (971, 28565), (975, 28556), (985, 28538), (1018, 28460), (1060, 28343), (1065, 28331), (1111, 28226),

Gene: Chaelin_61 Start: 54580, Stop: 52721, Start Num: 215
Candidate Starts for Chaelin_61:
(Start: 198 @54604 has 1 MA's), (Start: 215 @54580 has 328 MA's), (Start: 245 @54556 has 14 MA's), (Start: 258 @54550 has 2 MA's), (Start: 288 @54508 has 1 MA's), (300, 54487), (360, 54373), (363, 54367), (382, 54337), (418, 54277), (425, 54256), (442, 54202), (454, 54190), (464, 54172), (469, 54160), (511, 54055), (567, 53998), (590, 53962), (594, 53950), (603, 53926), (609, 53914), (620, 53896), (630, 53878), (641, 53860), (666, 53821), (670, 53812), (671, 53809), (673, 53806), (813, 53449), (820, 53416), (827, 53395), (856, 53302), (859, 53293), (881, 53230), (904, 53194), (905, 53191), (910, 53176), (939, 53098), (944, 53086), (950, 53065), (970, 53026), (1007, 52936), (1018, 52918), (1021, 52912), (1029, 52897), (1039, 52873), (1041, 52858), (1042, 52855), (1044, 52843), (1054, 52819), (1073, 52771), (1084, 52747),

Gene: Chah_62 Start: 53995, Stop: 52136, Start Num: 215
Candidate Starts for Chah_62:

(Start: 198 @54019 has 1 MA's), (Start: 215 @53995 has 328 MA's), (Start: 245 @53971 has 14 MA's), (Start: 258 @53965 has 2 MA's), (Start: 288 @53923 has 1 MA's), (300, 53902), (360, 53788), (363, 53782), (382, 53752), (418, 53692), (425, 53671), (442, 53617), (454, 53605), (464, 53587), (469, 53575), (511, 53470), (567, 53413), (590, 53377), (594, 53365), (605, 53338), (620, 53311), (630, 53293), (641, 53275), (666, 53236), (670, 53227), (671, 53224), (783, 52966), (813, 52864), (820, 52831), (827, 52810), (856, 52717), (859, 52708), (881, 52645), (904, 52609), (905, 52606), (910, 52591), (939, 52513), (944, 52501), (950, 52480), (970, 52441), (1007, 52351), (1018, 52333), (1021, 52327), (1029, 52312), (1039, 52288), (1041, 52273), (1042, 52270), (1044, 52258), (1054, 52234), (1073, 52186), (1084, 52162),

Gene: Chako_38 Start: 28706, Stop: 26754, Start Num: 275
Candidate Starts for Chako_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: Chalmers_57 Start: 54135, Stop: 52318, Start Num: 256
Candidate Starts for Chalmers_57:
(137, 54318), (Start: 256 @54135 has 51 MA's), (280, 54105), (391, 53925), (463, 53772), (467, 53760), (481, 53730), (489, 53724), (511, 53661), (513, 53655), (567, 53604), (588, 53577), (590, 53568), (609, 53520), (671, 53415), (718, 53319), (747, 53268), (796, 53124), (806, 53085), (814, 53055), (820, 53028), (824, 53016), (854, 52920), (856, 52914), (859, 52905), (861, 52893), (893, 52821), (904, 52791), (910, 52773), (915, 52764), (939, 52695), (944, 52683), (950, 52662), (985, 52593), (996, 52578), (1004, 52554), (1007, 52533), (1018, 52515), (1021, 52509), (1037, 52476), (1039, 52470), (1042, 52452), (1044, 52440), (1050, 52428), (1054, 52416), (1070, 52374), (1084, 52344),

Gene: ChamoyPickle_42 Start: 29200, Stop: 27410, Start Num: 236
Candidate Starts for ChamoyPickle_42:
(194, 29260), (Start: 215 @29236 has 328 MA's), (Start: 229 @29215 has 1 MA's), (Start: 236 @29200 has 5 MA's), (Start: 245 @29191 has 14 MA's), (328, 29068), (356, 29020), (437, 28882), (438, 28876), (467, 28828), (506, 28747), (509, 28741), (517, 28717), (591, 28648), (632, 28567), (647, 28540), (657, 28525), (692, 28462), (721, 28405), (734, 28381), (736, 28375), (755, 28339), (774, 28303), (803, 28231), (815, 28189), (822, 28162), (851, 28066), (856, 28042), (862, 28015), (875, 27976), (906, 27901), (932, 27832), (948, 27784), (956, 27763), (979, 27709), (984, 27694), (1008, 27628), (1037, 27571), (1041, 27550), (1042, 27547), (1045, 27529), (1054, 27514),

Gene: ChampagnePapi_47 Start: 31992, Stop: 30166, Start Num: 254
Candidate Starts for ChampagnePapi_47:
(Start: 254 @31992 has 935 MA's), (Start: 288 @31944 has 1 MA's), (386, 31788), (426, 31716), (449, 31659), (455, 31650), (505, 31530), (514, 31506), (591, 31413), (611, 31365), (626, 31344), (647, 31305), (675, 31260), (719, 31173), (725, 31164), (732, 31152), (755, 31107), (759, 31095), (815, 30942), (819, 30921), (855, 30798), (862, 30768), (875, 30729), (904, 30663), (905, 30660), (920, 30621), (929, 30597), (1007, 30390), (1060, 30255), (1065, 30243), (1071, 30234),

Gene: Chamuel_38 Start: 28695, Stop: 26743, Start Num: 275
Candidate Starts for Chamuel_38:
(Start: 275 @28695 has 3 MA's), (Start: 339 @28608 has 121 MA's), (Start: 342 @28599 has 5 MA's), (392, 28494), (398, 28485), (418, 28455), (419, 28452), (472, 28332), (476, 28320), (478, 28314),

(518, 28209), (525, 28182), (582, 28041), (587, 28035), (588, 28032), (591, 28020), (600, 27993), (601, 27990), (612, 27975), (634, 27969), (637, 27963), (657, 27930), (725, 27801), (749, 27741), (855, 27426), (858, 27417), (859, 27414), (862, 27396), (876, 27354), (880, 27348), (895, 27324), (912, 27267), (970, 27108), (982, 27078), (985, 27069), (1004, 27009), (1007, 26985), (1025, 26946), (1039, 26913), (1040, 26901), (1058, 26841),

Gene: Chanagan_42 Start: 33624, Stop: 31837, Start Num: 254
Candidate Starts for Chanagan_42:
(Start: 254 @33624 has 935 MA's), (391, 33411), (400, 33396), (426, 33348), (436, 33318), (443, 33297), (449, 33291), (455, 33282), (504, 33165), (514, 33138), (591, 33045), (596, 33030), (639, 32946), (641, 32943), (680, 32877), (701, 32847), (711, 32817), (734, 32772), (755, 32733), (819, 32553), (834, 32505), (847, 32466), (862, 32400), (902, 32328), (904, 32319), (935, 32235), (971, 32148), (1029, 32022), (1035, 32010), (1053, 31950), (1060, 31926), (1063, 31920),

Gene: Chandler_58 Start: 54464, Stop: 52647, Start Num: 256
Candidate Starts for Chandler_58:
(137, 54647), (Start: 256 @54464 has 51 MA's), (280, 54434), (391, 54254), (437, 54149), (463, 54101), (467, 54089), (481, 54059), (489, 54053), (511, 53990), (513, 53984), (567, 53933), (590, 53897), (609, 53849), (671, 53744), (718, 53648), (747, 53597), (796, 53453), (806, 53414), (814, 53384), (820, 53357), (824, 53345), (854, 53249), (856, 53243), (859, 53234), (861, 53222), (893, 53150), (904, 53120), (910, 53102), (915, 53093), (939, 53024), (944, 53012), (950, 52991), (985, 52922), (996, 52907), (1004, 52883), (1007, 52862), (1018, 52844), (1021, 52838), (1037, 52805), (1039, 52799), (1042, 52781), (1044, 52769), (1050, 52757), (1054, 52745), (1070, 52703), (1084, 52673),

Gene: Changeling_45 Start: 32303, Stop: 30516, Start Num: 254
Candidate Starts for Changeling_45:
(Start: 254 @32303 has 935 MA's), (386, 32099), (388, 32096), (391, 32090), (402, 32075), (413, 32060), (427, 32024), (436, 31997), (449, 31970), (463, 31949), (514, 31817), (591, 31724), (609, 31676), (618, 31667), (626, 31652), (666, 31586), (708, 31505), (732, 31457), (798, 31313), (819, 31232), (836, 31181), (846, 31148), (847, 31145), (855, 31109), (862, 31079), (875, 31040), (899, 31019), (925, 30944), (929, 30932), (946, 30881), (956, 30854), (975, 30818), (985, 30800), (1003, 30764), (1007, 30740), (1037, 30683), (1041, 30662), (1060, 30605), (1065, 30593), (1071, 30584),

Gene: Chaph_45 Start: 31581, Stop: 29755, Start Num: 254
Candidate Starts for Chaph_45:
(Start: 254 @31581 has 935 MA's), (271, 31560), (289, 31530), (305, 31500), (413, 31338), (421, 31320), (449, 31248), (455, 31239), (505, 31119), (514, 31095), (591, 31002), (611, 30954), (626, 30933), (647, 30894), (719, 30762), (732, 30741), (755, 30696), (759, 30684), (815, 30531), (819, 30510), (855, 30387), (862, 30357), (875, 30318), (904, 30252), (905, 30249), (910, 30234), (920, 30210), (929, 30186), (1007, 29979), (1060, 29844), (1065, 29832), (1071, 29823),

Gene: Chargerpower_44 Start: 30403, Stop: 28610, Start Num: 254
Candidate Starts for Chargerpower_44:
(189, 30496), (Start: 254 @30403 has 935 MA's), (261, 30394), (334, 30292), (338, 30286), (386, 30199), (396, 30181), (427, 30121), (436, 30094), (449, 30067), (495, 29962), (514, 29914), (591, 29821), (606, 29776), (680, 29653), (785, 29455), (813, 29356), (815, 29347), (819, 29326), (862, 29173), (899, 29113), (902, 29101), (904, 29092), (975, 28912), (1003, 28858), (1041, 28756), (1043, 28747), (1060, 28699), (1065, 28687), (1071, 28678),

Gene: Charles1_61 Start: 54304, Stop: 52445, Start Num: 215
Candidate Starts for Charles1_61:

(Start: 198 @54328 has 1 MA's), (Start: 215 @54304 has 328 MA's), (Start: 245 @54280 has 14 MA's), (Start: 258 @54274 has 2 MA's), (Start: 288 @54232 has 1 MA's), (300, 54211), (360, 54097), (363, 54091), (382, 54061), (418, 54001), (425, 53980), (442, 53926), (454, 53914), (464, 53896), (469, 53884), (511, 53779), (567, 53722), (590, 53686), (594, 53674), (605, 53647), (620, 53620), (630, 53602), (641, 53584), (666, 53545), (670, 53536), (671, 53533), (813, 53173), (820, 53140), (827, 53119), (856, 53026), (859, 53017), (881, 52954), (904, 52918), (905, 52915), (910, 52900), (939, 52822), (944, 52810), (950, 52789), (970, 52750), (1007, 52660), (1018, 52642), (1021, 52636), (1029, 52621), (1039, 52597), (1041, 52582), (1042, 52579), (1044, 52567), (1054, 52543), (1073, 52495), (1084, 52471),

Gene: CharlieGBrown_61 Start: 54143, Stop: 52284, Start Num: 215
Candidate Starts for CharlieGBrown_61:
(Start: 198 @54167 has 1 MA's), (Start: 215 @54143 has 328 MA's), (Start: 245 @54119 has 14 MA's), (Start: 258 @54113 has 2 MA's), (Start: 288 @54071 has 1 MA's), (300, 54050), (360, 53936), (363, 53930), (382, 53900), (418, 53840), (425, 53819), (442, 53765), (454, 53753), (464, 53735), (469, 53723), (511, 53618), (567, 53561), (590, 53525), (594, 53513), (603, 53489), (609, 53477), (620, 53459), (630, 53441), (641, 53423), (666, 53384), (670, 53375), (671, 53372), (673, 53369), (783, 53114), (813, 53012), (820, 52979), (827, 52958), (856, 52865), (859, 52856), (881, 52793), (904, 52757), (905, 52754), (910, 52739), (939, 52661), (944, 52649), (950, 52628), (970, 52589), (1007, 52499), (1018, 52481), (1021, 52475), (1029, 52460), (1039, 52436), (1041, 52421), (1042, 52418), (1044, 52406), (1054, 52382), (1060, 52361), (1073, 52334), (1084, 52310), (1089, 52295),

Gene: CharlottesWeb_50 Start: 45347, Stop: 43530, Start Num: 251
Candidate Starts for CharlottesWeb_50:
(90, 45662), (105, 45626), (108, 45620), (117, 45587), (Start: 251 @45347 has 15 MA's), (280, 45311), (287, 45299), (Start: 288 @45296 has 1 MA's), (305, 45266), (378, 45140), (409, 45092), (437, 45017), (469, 44960), (503, 44885), (511, 44864), (590, 44771), (658, 44642), (671, 44618), (796, 44327), (800, 44306), (806, 44288), (820, 44231), (856, 44117), (859, 44108), (905, 44006), (910, 43991), (939, 43913), (944, 43901), (950, 43880), (953, 43871), (983, 43817), (1000, 43784), (1007, 43751), (1008, 43748), (1029, 43712), (1039, 43688), (1054, 43628), (1084, 43556),

Gene: Charm_42 Start: 30834, Stop: 29041, Start Num: 254
Candidate Starts for Charm_42:
(Start: 254 @30834 has 935 MA's), (261, 30825), (334, 30723), (369, 30663), (371, 30660), (386, 30630), (415, 30585), (427, 30552), (436, 30525), (441, 30510), (449, 30498), (455, 30489), (474, 30447), (514, 30345), (591, 30252), (599, 30228), (606, 30207), (680, 30084), (759, 29925), (761, 29922), (785, 29886), (787, 29880), (819, 29757), (843, 29691), (859, 29622), (862, 29604), (899, 29544), (904, 29523), (920, 29481), (946, 29406), (983, 29331), (1003, 29289), (1041, 29187), (1060, 29130), (1065, 29118), (1071, 29109),

Gene: Chartreuse_45 Start: 29574, Stop: 27733, Start Num: 254
Candidate Starts for Chartreuse_45:
(Start: 254 @29574 has 935 MA's), (386, 29370), (426, 29295), (427, 29292), (436, 29265), (441, 29250), (449, 29238), (474, 29187), (510, 29097), (514, 29085), (591, 28992), (605, 28953), (618, 28935), (626, 28920), (666, 28854), (681, 28821), (683, 28818), (735, 28716), (767, 28656), (798, 28572), (819, 28491), (846, 28407), (847, 28404), (850, 28395), (855, 28368), (862, 28338), (899, 28278), (910, 28239), (1003, 28023), (1004, 28020), (1007, 27999), (1060, 27864), (1065, 27852), (1071, 27843), (1073, 27840), (1111, 27747),

Gene: Che12_47 Start: 30450, Stop: 28663, Start Num: 254
Candidate Starts for Che12_47:
(Start: 254 @30450 has 935 MA's), (386, 30246), (391, 30237), (426, 30174), (427, 30171), (436, 30144), (449, 30117), (463, 30096), (473, 30069), (514, 29964), (591, 29871), (609, 29823), (675,

29715), (690, 29685), (732, 29604), (819, 29379), (846, 29295), (847, 29292), (855, 29256), (862, 29226), (875, 29187), (899, 29166), (904, 29145), (910, 29127), (946, 29028), (956, 29001), (975, 28965), (985, 28947), (1003, 28911), (1007, 28887), (1059, 28755), (1060, 28752), (1065, 28740), (1071, 28731),

Gene: CheetO_60 Start: 54266, Stop: 52407, Start Num: 215
Candidate Starts for CheetO_60:
(Start: 198 @54290 has 1 MA's), (Start: 215 @54266 has 328 MA's), (Start: 245 @54242 has 14 MA's), (Start: 258 @54236 has 2 MA's), (Start: 288 @54194 has 1 MA's), (300, 54173), (360, 54059), (363, 54053), (382, 54023), (418, 53963), (425, 53942), (442, 53888), (454, 53876), (464, 53858), (469, 53846), (511, 53741), (567, 53684), (590, 53648), (594, 53636), (603, 53612), (609, 53600), (620, 53582), (630, 53564), (641, 53546), (666, 53507), (670, 53498), (671, 53495), (673, 53492), (813, 53135), (820, 53102), (827, 53081), (856, 52988), (859, 52979), (881, 52916), (904, 52880), (905, 52877), (910, 52862), (939, 52784), (944, 52772), (950, 52751), (970, 52712), (1007, 52622), (1018, 52604), (1021, 52598), (1029, 52583), (1039, 52559), (1041, 52544), (1042, 52541), (1044, 52529), (1054, 52505), (1073, 52457), (1084, 52433),

Gene: Cheeto1_39 Start: 29061, Stop: 27196, Start Num: 335
Candidate Starts for Cheeto1_39:
(Start: 335 @29061 has 20 MA's), (348, 29037), (419, 28905), (441, 28848), (469, 28794), (476, 28773), (478, 28767), (544, 28566), (588, 28482), (591, 28470), (601, 28440), (634, 28419), (639, 28407), (654, 28383), (680, 28338), (706, 28293), (725, 28251), (746, 28206), (749, 28191), (775, 28131), (789, 28089), (850, 27906), (859, 27867), (862, 27849), (876, 27807), (912, 27720), (1004, 27462), (1007, 27438), (1022, 27405), (1058, 27294),

Gene: Chentzyk_59 Start: 54416, Stop: 52599, Start Num: 256
Candidate Starts for Chentzyk_59:
(137, 54599), (Start: 256 @54416 has 51 MA's), (280, 54386), (391, 54206), (463, 54053), (467, 54041), (481, 54011), (489, 54005), (511, 53942), (513, 53936), (567, 53885), (588, 53858), (590, 53849), (609, 53801), (671, 53696), (718, 53600), (747, 53549), (796, 53405), (806, 53366), (814, 53336), (820, 53309), (824, 53297), (854, 53201), (856, 53195), (859, 53186), (861, 53174), (893, 53102), (904, 53072), (910, 53054), (915, 53045), (939, 52976), (944, 52964), (950, 52943), (985, 52874), (996, 52859), (1004, 52835), (1007, 52814), (1018, 52796), (1021, 52790), (1037, 52757), (1039, 52751), (1042, 52733), (1044, 52721), (1050, 52709), (1054, 52697), (1070, 52655), (1084, 52625),

Gene: Chepli_40 Start: 28352, Stop: 26460, Start Num: 337
Candidate Starts for Chepli_40:
(257, 28460), (272, 28442), (Start: 337 @28352 has 44 MA's), (Start: 342 @28343 has 5 MA's), (366, 28286), (381, 28256), (408, 28217), (418, 28202), (420, 28196), (427, 28178), (438, 28145), (476, 28067), (478, 28061), (496, 28010), (511, 27971), (544, 27860), (588, 27776), (591, 27764), (601, 27734), (612, 27719), (634, 27713), (637, 27707), (639, 27701), (642, 27695), (791, 27380), (845, 27185), (862, 27113), (876, 27071), (895, 27041), (902, 27020), (912, 26984), (934, 26912), (982, 26795), (985, 26786), (1004, 26726), (1007, 26702), (1011, 26690), (1032, 26654), (1058, 26558),

Gene: Cher_60 Start: 54560, Stop: 52701, Start Num: 215
Candidate Starts for Cher_60:
(Start: 198 @54584 has 1 MA's), (Start: 215 @54560 has 328 MA's), (Start: 245 @54536 has 14 MA's), (Start: 258 @54530 has 2 MA's), (Start: 288 @54488 has 1 MA's), (300, 54467), (360, 54353), (363, 54347), (382, 54317), (418, 54257), (425, 54236), (442, 54182), (454, 54170), (464, 54152), (469, 54140), (511, 54035), (567, 53978), (590, 53942), (594, 53930), (605, 53903), (630, 53858), (666, 53801), (670, 53792), (671, 53789), (813, 53429), (820, 53396), (827, 53375), (856, 53282), (859, 53273), (881, 53210), (904, 53174), (905, 53171), (910, 53156), (939, 53078), (944, 53066),

(950, 53045), (970, 53006), (1007, 52916), (1018, 52898), (1021, 52892), (1029, 52877), (1039, 52853), (1041, 52838), (1042, 52835), (1044, 52823), (1054, 52799), (1073, 52751), (1084, 52727),

Gene: CherryonLim_46 Start: 35452, Stop: 33086, Start Num: 58
Candidate Starts for CherryonLim_46:
(Start: 58 @35452 has 15 MA's), (80, 35392), (93, 35365), (99, 35350), (115, 35311), (165, 35206), (213, 35161), (270, 35083), (Start: 275 @35077 has 3 MA's), (Start: 277 @35074 has 1 MA's), (294, 35047), (297, 35044), (318, 35008), (319, 35005), (323, 34996), (341, 34969), (Start: 342 @34966 has 5 MA's), (367, 34909), (392, 34870), (426, 34807), (434, 34783), (441, 34762), (459, 34729), (461, 34726), (469, 34708), (476, 34687), (497, 34627), (537, 34504), (569, 34429), (582, 34408), (591, 34387), (668, 34300), (716, 34252), (730, 34222), (733, 34216), (754, 34171), (755, 34168), (761, 34153), (773, 34132), (778, 34117), (793, 34069), (798, 34048), (823, 33958), (825, 33949), (830, 33934), (836, 33919), (841, 33907), (862, 33814), (874, 33778), (876, 33772), (880, 33766), (883, 33760), (905, 33703), (912, 33679), (945, 33574), (946, 33571), (986, 33478), (991, 33460), (1013, 33379), (1027, 33355), (1039, 33325), (1050, 33277), (1053, 33268), (1058, 33253), (1064, 33229), (1072, 33208), (1099, 33142), (1108, 33121), (1109, 33115), (1113, 33109),

Gene: ChickenKing_38 Start: 28974, Stop: 27109, Start Num: 335
Candidate Starts for ChickenKing_38:
(Start: 335 @28974 has 20 MA's), (348, 28950), (419, 28818), (441, 28761), (469, 28707), (476, 28686), (478, 28680), (544, 28479), (588, 28395), (591, 28383), (601, 28353), (634, 28332), (639, 28320), (654, 28296), (680, 28251), (725, 28164), (746, 28119), (749, 28104), (789, 28002), (850, 27819), (859, 27780), (862, 27762), (876, 27720), (884, 27705), (912, 27633), (1004, 27375), (1007, 27351), (1022, 27318), (1058, 27207),

Gene: ChickenTender_45 Start: 32093, Stop: 29700, Start Num: 45
Candidate Starts for ChickenTender_45:
(39, 32120), (Start: 45 @32093 has 21 MA's), (Start: 75 @32039 has 1 MA's), (103, 31973), (165, 31823), (213, 31778), (260, 31712), (Start: 277 @31691 has 1 MA's), (303, 31649), (333, 31601), (367, 31526), (373, 31514), (417, 31445), (429, 31412), (434, 31397), (459, 31343), (461, 31340), (469, 31322), (476, 31301), (497, 31241), (498, 31238), (537, 31118), (560, 31061), (562, 31058), (569, 31043), (603, 30965), (668, 30914), (684, 30890), (706, 30884), (716, 30860), (720, 30851), (733, 30824), (753, 30782), (754, 30779), (755, 30776), (807, 30629), (825, 30560), (827, 30554), (841, 30518), (862, 30425), (874, 30389), (876, 30383), (880, 30377), (883, 30371), (897, 30347), (905, 30314), (912, 30290), (925, 30245), (1058, 29864), (1072, 29819), (1076, 29810), (1101, 29750),

Gene: ChikPic_38 Start: 28741, Stop: 26876, Start Num: 337
Candidate Starts for ChikPic_38:
(Start: 337 @28741 has 44 MA's), (355, 28696), (381, 28642), (420, 28582), (438, 28531), (476, 28453), (478, 28447), (494, 28402), (495, 28399), (496, 28396), (511, 28357), (531, 28297), (582, 28174), (588, 28165), (591, 28153), (595, 28141), (601, 28123), (634, 28102), (639, 28090), (731, 27919), (796, 27751), (850, 27586), (858, 27550), (862, 27529), (876, 27487), (912, 27400), (925, 27355), (962, 27256), (982, 27211), (985, 27202), (1004, 27142), (1007, 27118), (1022, 27085), (1058, 26974),

Gene: Childish_60 Start: 54571, Stop: 52712, Start Num: 215
Candidate Starts for Childish_60:
(Start: 198 @54595 has 1 MA's), (Start: 215 @54571 has 328 MA's), (Start: 245 @54547 has 14 MA's), (Start: 258 @54541 has 2 MA's), (Start: 288 @54499 has 1 MA's), (300, 54478), (360, 54364), (363, 54358), (382, 54328), (418, 54268), (425, 54247), (442, 54193), (454, 54181), (464, 54163), (469, 54151), (511, 54046), (567, 53989), (590, 53953), (594, 53941), (605, 53914), (620, 53887), (630, 53869), (641, 53851), (666, 53812), (670, 53803), (671, 53800), (783, 53542), (813, 53440), (820, 53407), (827, 53386), (856, 53293), (859, 53284), (881, 53221), (904, 53185), (905, 53182),

(910, 53167), (939, 53089), (944, 53077), (950, 53056), (970, 53017), (1007, 52927), (1018, 52909), (1021, 52903), (1029, 52888), (1039, 52864), (1041, 52849), (1042, 52846), (1044, 52834), (1054, 52810), (1060, 52789), (1073, 52762), (1084, 52738),

Gene: ChiliPepper_40 Start: 29968, Stop: 31839, Start Num: 241
Candidate Starts for ChiliPepper_40:
(Start: 241 @29968 has 65 MA's), (373, 30151), (395, 30190), (415, 30208), (439, 30280), (455, 30304), (463, 30316), (464, 30319), (501, 30400), (621, 30592), (647, 30640), (702, 30730), (766, 30871), (804, 30994), (819, 31054), (843, 31120), (845, 31135), (853, 31171), (856, 31180), (862, 31207), (903, 31300), (936, 31393), (967, 31471), (1003, 31543), (1012, 31582), (1037, 31624), (1053, 31678), (1060, 31702), (1071, 31723), (1081, 31747),

Gene: Chilliams_97 Start: 71240, Stop: 73045, Start Num: 265
Candidate Starts for Chilliams_97:
(230, 71195), (Start: 265 @71240 has 10 MA's), (Start: 304 @71303 has 2 MA's), (332, 71342), (338, 71351), (379, 71426), (418, 71480), (454, 71561), (467, 71588), (470, 71594), (517, 71699), (591, 71768), (599, 71792), (632, 71846), (635, 71852), (647, 71873), (657, 71888), (686, 71942), (755, 72077), (761, 72092), (795, 72173), (803, 72206), (810, 72224), (813, 72236), (815, 72245), (819, 72266), (853, 72389), (903, 72539), (906, 72551), (920, 72587), (932, 72620), (950, 72674), (963, 72701), (1008, 72824), (1010, 72830), (1035, 72872), (1037, 72878), (1040, 72896), (1060, 72956), (1085, 73007),

Gene: ChipMunk_47 Start: 33204, Stop: 31417, Start Num: 254
Candidate Starts for ChipMunk_47:
(Start: 254 @33204 has 935 MA's), (388, 32997), (391, 32991), (402, 32976), (413, 32961), (427, 32925), (436, 32898), (449, 32871), (463, 32850), (494, 32769), (514, 32718), (591, 32625), (609, 32577), (618, 32568), (626, 32553), (666, 32487), (732, 32358), (734, 32352), (819, 32133), (836, 32082), (846, 32049), (847, 32046), (862, 31980), (875, 31941), (899, 31920), (925, 31845), (929, 31833), (946, 31782), (975, 31719), (985, 31701), (1003, 31665), (1007, 31641), (1041, 31563), (1060, 31506), (1065, 31494), (1071, 31485),

Gene: Chipette_61 Start: 54255, Stop: 52396, Start Num: 215
Candidate Starts for Chipette_61:
(Start: 198 @54279 has 1 MA's), (Start: 215 @54255 has 328 MA's), (Start: 245 @54231 has 14 MA's), (Start: 258 @54225 has 2 MA's), (Start: 288 @54183 has 1 MA's), (300, 54162), (360, 54048), (363, 54042), (382, 54012), (418, 53952), (425, 53931), (442, 53877), (454, 53865), (464, 53847), (469, 53835), (511, 53730), (567, 53673), (590, 53637), (594, 53625), (603, 53601), (609, 53589), (620, 53571), (630, 53553), (641, 53535), (666, 53496), (670, 53487), (671, 53484), (673, 53481), (813, 53124), (820, 53091), (827, 53070), (856, 52977), (859, 52968), (881, 52905), (904, 52869), (905, 52866), (910, 52851), (939, 52773), (944, 52761), (950, 52740), (970, 52701), (1007, 52611), (1018, 52593), (1021, 52587), (1029, 52572), (1039, 52548), (1041, 52533), (1042, 52530), (1044, 52518), (1054, 52494), (1073, 52446), (1084, 52422),

Gene: ChipsNGuac_40 Start: 28651, Stop: 26870, Start Num: 245
Candidate Starts for ChipsNGuac_40:
(194, 28720), (Start: 215 @28696 has 328 MA's), (Start: 229 @28675 has 1 MA's), (Start: 236 @28660 has 5 MA's), (Start: 245 @28651 has 14 MA's), (328, 28528), (356, 28480), (437, 28342), (438, 28336), (467, 28288), (506, 28207), (509, 28201), (517, 28177), (591, 28108), (632, 28027), (647, 28000), (657, 27985), (692, 27922), (721, 27865), (734, 27841), (736, 27835), (755, 27799), (774, 27763), (803, 27691), (815, 27649), (822, 27622), (851, 27526), (856, 27502), (862, 27475), (875, 27436), (906, 27361), (932, 27292), (948, 27244), (956, 27223), (979, 27169), (984, 27154), (1008, 27088), (1037, 27031), (1041, 27010), (1042, 27007), (1045, 26989), (1054, 26974),

Gene: Chiqui_43 Start: 31530, Stop: 29692, Start Num: 254
Candidate Starts for Chiqui_43:
(202, 31602), (Start: 254 @31530 has 935 MA's), (289, 31479), (386, 31326), (413, 31287), (426, 31254), (449, 31197), (455, 31188), (463, 31176), (505, 31068), (514, 31044), (517, 31035), (591, 30948), (611, 30900), (647, 30840), (683, 30777), (732, 30687), (787, 30573), (819, 30450), (847, 30363), (855, 30327), (862, 30297), (905, 30186), (920, 30147), (929, 30123), (935, 30105), (936, 30102), (983, 29982), (985, 29976), (1007, 29916), (1059, 29784), (1060, 29781), (1065, 29769), (1071, 29760),

Gene: ChocoMunchkin_42 Start: 32324, Stop: 29937, Start Num: 57
Candidate Starts for ChocoMunchkin_42:
(31, 32396), (33, 32381), (Start: 57 @32324 has 26 MA's), (61, 32315), (63, 32309), (93, 32228), (139, 32108), (165, 32057), (Start: 277 @31925 has 1 MA's), (294, 31898), (303, 31883), (333, 31835), (346, 31805), (367, 31760), (406, 31700), (417, 31682), (434, 31634), (459, 31580), (461, 31577), (469, 31559), (476, 31538), (494, 31487), (497, 31478), (498, 31475), (525, 31400), (537, 31355), (562, 31295), (569, 31280), (611, 31196), (668, 31151), (684, 31127), (706, 31121), (716, 31097), (753, 31019), (754, 31016), (755, 31013), (807, 30866), (825, 30797), (853, 30698), (862, 30662), (874, 30626), (876, 30620), (880, 30614), (883, 30608), (897, 30584), (905, 30551), (912, 30527), (925, 30482), (945, 30422), (1004, 30269), (1012, 30230), (1013, 30227), (1058, 30101), (1072, 30056), (1076, 30047),

Gene: Chorkpop_60 Start: 54047, Stop: 52188, Start Num: 215
Candidate Starts for Chorkpop_60:
(Start: 198 @54071 has 1 MA's), (Start: 215 @54047 has 328 MA's), (Start: 245 @54023 has 14 MA's), (Start: 258 @54017 has 2 MA's), (Start: 288 @53975 has 1 MA's), (300, 53954), (360, 53840), (363, 53834), (382, 53804), (418, 53744), (425, 53723), (442, 53669), (454, 53657), (464, 53639), (469, 53627), (511, 53522), (567, 53465), (590, 53429), (594, 53417), (605, 53390), (620, 53363), (630, 53345), (641, 53327), (666, 53288), (670, 53279), (671, 53276), (783, 53018), (813, 52916), (820, 52883), (827, 52862), (856, 52769), (859, 52760), (881, 52697), (904, 52661), (905, 52658), (910, 52643), (939, 52565), (944, 52553), (950, 52532), (970, 52493), (1007, 52403), (1018, 52385), (1021, 52379), (1029, 52364), (1039, 52340), (1041, 52325), (1042, 52322), (1044, 52310), (1054, 52286), (1073, 52238), (1084, 52214),

Gene: ChrisnMich_53 Start: 52982, Stop: 51141, Start Num: 190
Candidate Starts for ChrisnMich_53:
(Start: 190 @52982 has 4 MA's), (Start: 208 @52964 has 32 MA's), (Start: 258 @52940 has 2 MA's), (280, 52913), (Start: 288 @52898 has 1 MA's), (300, 52877), (353, 52790), (415, 52685), (430, 52643), (464, 52577), (477, 52547), (481, 52538), (487, 52535), (489, 52532), (567, 52412), (582, 52394), (590, 52376), (594, 52364), (599, 52349), (605, 52337), (670, 52226), (671, 52223), (684, 52193), (706, 52157), (796, 51932), (797, 51929), (806, 51893), (813, 51869), (820, 51836), (854, 51728), (856, 51722), (859, 51713), (904, 51614), (905, 51611), (910, 51596), (939, 51518), (944, 51506), (950, 51485), (953, 51476), (970, 51446), (1000, 51389), (1007, 51356), (1018, 51338), (1021, 51332), (1039, 51293), (1042, 51275), (1044, 51263), (1054, 51239), (1070, 51197), (1073, 51191), (1084, 51167),

Gene: ChristmasHams_41 Start: 32080, Stop: 30254, Start Num: 254
Candidate Starts for ChristmasHams_41:
(Start: 254 @32080 has 935 MA's), (391, 31867), (400, 31852), (436, 31774), (443, 31753), (449, 31747), (455, 31738), (504, 31621), (514, 31594), (591, 31501), (596, 31486), (609, 31453), (639, 31402), (641, 31399), (680, 31333), (701, 31303), (711, 31273), (734, 31228), (755, 31189), (819, 31009), (834, 30961), (847, 30922), (862, 30856), (904, 30775), (905, 30772), (935, 30691), (997, 30556), (1003, 30541), (1004, 30538), (1012, 30502), (1029, 30478), (1034, 30469), (1038, 30457), (1043, 30430), (1060, 30382), (1071, 30361),

Gene: Christoph_38 Start: 28630, Stop: 26765, Start Num: 339
Candidate Starts for Christoph_38:
(Start: 339 @28630 has 121 MA's), (Start: 342 @28621 has 5 MA's), (392, 28516), (398, 28507), (418, 28477), (419, 28474), (472, 28354), (476, 28342), (478, 28336), (518, 28231), (525, 28204), (582, 28063), (587, 28057), (588, 28054), (591, 28042), (600, 28015), (601, 28012), (612, 27997), (634, 27991), (637, 27985), (657, 27952), (725, 27823), (749, 27763), (855, 27448), (858, 27439), (859, 27436), (862, 27418), (876, 27376), (880, 27370), (884, 27361), (895, 27346), (912, 27289), (970, 27130), (982, 27100), (985, 27091), (1004, 27031), (1007, 27007), (1025, 26968), (1039, 26935), (1040, 26923), (1058, 26863),

Gene: Chuni_63 Start: 54807, Stop: 52948, Start Num: 215
Candidate Starts for Chuni_63:
(Start: 198 @54831 has 1 MA's), (Start: 215 @54807 has 328 MA's), (Start: 245 @54783 has 14 MA's), (Start: 258 @54777 has 2 MA's), (Start: 288 @54735 has 1 MA's), (300, 54714), (360, 54600), (363, 54594), (382, 54564), (418, 54504), (425, 54483), (442, 54429), (454, 54417), (464, 54399), (469, 54387), (511, 54282), (567, 54225), (590, 54189), (594, 54177), (603, 54153), (609, 54141), (620, 54123), (630, 54105), (641, 54087), (666, 54048), (670, 54039), (671, 54036), (673, 54033), (813, 53676), (820, 53643), (827, 53622), (856, 53529), (859, 53520), (881, 53457), (904, 53421), (905, 53418), (910, 53403), (939, 53325), (944, 53313), (950, 53292), (970, 53253), (1007, 53163), (1018, 53145), (1021, 53139), (1029, 53124), (1039, 53100), (1041, 53085), (1042, 53082), (1044, 53070), (1054, 53046), (1073, 52998), (1084, 52974),

Gene: Chunky_59 Start: 53596, Stop: 51737, Start Num: 215
Candidate Starts for Chunky_59:
(Start: 198 @53620 has 1 MA's), (Start: 215 @53596 has 328 MA's), (Start: 245 @53572 has 14 MA's), (Start: 258 @53566 has 2 MA's), (Start: 288 @53524 has 1 MA's), (300, 53503), (360, 53389), (363, 53383), (382, 53353), (418, 53293), (425, 53272), (442, 53218), (454, 53206), (464, 53188), (469, 53176), (511, 53071), (567, 53014), (590, 52978), (594, 52966), (605, 52939), (609, 52930), (630, 52894), (666, 52837), (670, 52828), (671, 52825), (673, 52822), (813, 52465), (820, 52432), (827, 52411), (856, 52318), (859, 52309), (881, 52246), (904, 52210), (905, 52207), (910, 52192), (939, 52114), (944, 52102), (950, 52081), (970, 52042), (1007, 51952), (1018, 51934), (1021, 51928), (1029, 51913), (1039, 51889), (1041, 51874), (1042, 51871), (1044, 51859), (1054, 51835), (1073, 51787), (1084, 51763),

Gene: Chupacabra_43 Start: 31120, Stop: 29285, Start Num: 254
Candidate Starts for Chupacabra_43:
(Start: 254 @31120 has 935 MA's), (289, 31069), (386, 30916), (400, 30892), (422, 30856), (426, 30844), (443, 30793), (449, 30787), (455, 30778), (491, 30694), (505, 30658), (510, 30646), (513, 30637), (514, 30634), (591, 30541), (611, 30493), (647, 30433), (666, 30406), (678, 30382), (718, 30304), (719, 30301), (732, 30280), (734, 30274), (768, 30208), (787, 30166), (819, 30043), (834, 29995), (855, 29920), (862, 29890), (875, 29851), (905, 29779), (920, 29740), (929, 29716), (931, 29710), (935, 29698), (977, 29590), (1007, 29509), (1021, 29485), (1043, 29422), (1060, 29374), (1065, 29362), (1071, 29353),

Gene: Chute_62 Start: 54608, Stop: 52749, Start Num: 215
Candidate Starts for Chute_62:
(Start: 198 @54632 has 1 MA's), (Start: 215 @54608 has 328 MA's), (Start: 245 @54584 has 14 MA's), (Start: 258 @54578 has 2 MA's), (Start: 288 @54536 has 1 MA's), (300, 54515), (360, 54401), (363, 54395), (382, 54365), (418, 54305), (425, 54284), (442, 54230), (454, 54218), (464, 54200), (469, 54188), (511, 54083), (567, 54026), (590, 53990), (594, 53978), (603, 53954), (609, 53942), (620, 53924), (630, 53906), (641, 53888), (666, 53849), (670, 53840), (671, 53837), (673, 53834), (813, 53477), (820, 53444), (827, 53423), (856, 53330), (859, 53321), (881, 53258), (904, 53222),

(905, 53219), (910, 53204), (939, 53126), (944, 53114), (950, 53093), (970, 53054), (1007, 52964), (1018, 52946), (1021, 52940), (1029, 52925), (1039, 52901), (1041, 52886), (1042, 52883), (1044, 52871), (1054, 52847), (1073, 52799), (1084, 52775),

Gene: Ciao_45 Start: 34751, Stop: 32964, Start Num: 254
Candidate Starts for Ciao_45:
(Start: 254 @34751 has 935 MA's), (391, 34538), (400, 34523), (426, 34475), (436, 34445), (443, 34424), (449, 34418), (455, 34409), (504, 34292), (514, 34265), (591, 34172), (596, 34157), (609, 34124), (639, 34073), (641, 34070), (680, 34004), (701, 33974), (711, 33944), (734, 33899), (755, 33860), (819, 33680), (834, 33632), (847, 33593), (862, 33527), (902, 33455), (904, 33446), (935, 33362), (971, 33275), (1029, 33149), (1035, 33137), (1060, 33053), (1063, 33047),

Gene: Cici_44 Start: 31537, Stop: 29708, Start Num: 254
Candidate Starts for Cici_44:
(Start: 254 @31537 has 935 MA's), (289, 31486), (305, 31456), (413, 31294), (421, 31276), (426, 31261), (449, 31204), (455, 31195), (505, 31075), (514, 31051), (562, 31009), (591, 30958), (611, 30910), (626, 30889), (647, 30850), (675, 30805), (678, 30799), (719, 30718), (732, 30697), (755, 30652), (815, 30487), (819, 30466), (862, 30313), (875, 30274), (905, 30202), (910, 30187), (920, 30163), (927, 30145), (929, 30139), (931, 30133), (1007, 29932), (1060, 29797), (1065, 29785), (1071, 29776),

Gene: Cindaradix_42 Start: 31162, Stop: 29333, Start Num: 254
Candidate Starts for Cindaradix_42:
(Start: 254 @31162 has 935 MA's), (Start: 288 @31114 has 1 MA's), (386, 30958), (426, 30886), (449, 30829), (455, 30820), (505, 30700), (514, 30676), (591, 30583), (611, 30535), (626, 30514), (647, 30475), (675, 30430), (719, 30343), (725, 30334), (732, 30322), (755, 30277), (759, 30265), (819, 30091), (850, 29995), (855, 29968), (856, 29965), (862, 29938), (875, 29899), (904, 29830), (905, 29827), (910, 29812), (920, 29788), (929, 29764), (931, 29758), (1007, 29557), (1060, 29422), (1065, 29410), (1071, 29401),

Gene: Cintron_44 Start: 31550, Stop: 29724, Start Num: 254
Candidate Starts for Cintron_44:
(Start: 254 @31550 has 935 MA's), (Start: 288 @31502 has 1 MA's), (386, 31346), (426, 31274), (449, 31217), (455, 31208), (505, 31088), (514, 31064), (568, 31010), (591, 30971), (611, 30923), (626, 30902), (647, 30863), (675, 30818), (719, 30731), (725, 30722), (732, 30710), (755, 30665), (759, 30653), (815, 30500), (819, 30479), (855, 30356), (862, 30326), (875, 30287), (904, 30221), (905, 30218), (910, 30203), (920, 30179), (929, 30155), (1007, 29948), (1060, 29813), (1065, 29801), (1071, 29792),

Gene: Citius_45 Start: 31591, Stop: 29765, Start Num: 254
Candidate Starts for Citius_45:
(Start: 254 @31591 has 935 MA's), (271, 31570), (289, 31540), (305, 31510), (413, 31348), (421, 31330), (449, 31258), (455, 31249), (505, 31129), (514, 31105), (591, 31012), (611, 30964), (626, 30943), (647, 30904), (719, 30772), (732, 30751), (755, 30706), (759, 30694), (815, 30541), (819, 30520), (855, 30397), (862, 30367), (875, 30328), (904, 30262), (905, 30259), (910, 30244), (920, 30220), (929, 30196), (1007, 29989), (1060, 29854), (1065, 29842), (1071, 29833),

Gene: Clammy_46 Start: 31555, Stop: 29717, Start Num: 254
Candidate Starts for Clammy_46:
(Start: 254 @31555 has 935 MA's), (289, 31504), (338, 31438), (386, 31351), (422, 31291), (426, 31279), (449, 31222), (455, 31213), (505, 31093), (514, 31069), (591, 30973), (611, 30925), (647, 30865), (683, 30802), (719, 30733), (732, 30712), (768, 30640), (787, 30598), (798, 30556), (819, 30475), (834, 30427), (855, 30352), (862, 30322), (873, 30292), (905, 30211), (920, 30172), (929,

30148), (935, 30130), (985, 30001), (1007, 29941), (1060, 29806), (1065, 29794), (1071, 29785),

Gene: Clancy_38 Start: 28664, Stop: 26799, Start Num: 339
Candidate Starts for Clancy_38:
(Start: 275 @28751 has 3 MA's), (Start: 277 @28748 has 1 MA's), (Start: 339 @28664 has 121 MA's), (Start: 342 @28655 has 5 MA's), (392, 28550), (398, 28541), (418, 28511), (419, 28508), (472, 28388), (476, 28376), (478, 28370), (518, 28265), (525, 28238), (582, 28097), (587, 28091), (588, 28088), (591, 28076), (600, 28049), (601, 28046), (612, 28031), (634, 28025), (637, 28019), (657, 27986), (725, 27857), (749, 27797), (855, 27482), (858, 27473), (859, 27470), (862, 27452), (876, 27410), (880, 27404), (884, 27395), (895, 27380), (912, 27323), (970, 27164), (982, 27134), (985, 27125), (1004, 27065), (1007, 27041), (1025, 27002), (1039, 26969), (1040, 26957), (1058, 26897),

Gene: Clarenza_44 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for Clarenza_44:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Clayda5_41 Start: 27431, Stop: 29296, Start Num: 241
Candidate Starts for Clayda5_41:
(Start: 238 @27428 has 7 MA's), (Start: 241 @27431 has 65 MA's), (244, 27434), (Start: 299 @27503 has 1 MA's), (464, 27785), (474, 27812), (501, 27866), (605, 28031), (647, 28106), (659, 28127), (804, 28481), (819, 28541), (836, 28592), (853, 28658), (862, 28694), (903, 28787), (967, 28958), (1003, 29030), (1037, 29111), (1059, 29186), (1060, 29189), (1071, 29210), (1100, 29279),

Gene: Cleo_38 Start: 31604, Stop: 29244, Start Num: 57
Candidate Starts for Cleo_38:
(44, 31628), (Start: 57 @31604 has 26 MA's), (63, 31589), (74, 31553), (131, 31421), (152, 31382), (165, 31358), (Start: 210 @31316 has 3 MA's), (333, 31139), (Start: 342 @31121 has 5 MA's), (367, 31064), (392, 31025), (434, 30938), (459, 30884), (469, 30863), (476, 30842), (541, 30644), (560, 30602), (569, 30584), (611, 30500), (664, 30464), (733, 30371), (754, 30326), (768, 30299), (774, 30287), (778, 30275), (816, 30134), (841, 30065), (852, 30014), (859, 29990), (862, 29972), (874, 29936), (876, 29930), (880, 29924), (883, 29918), (897, 29894), (905, 29861), (912, 29837), (925, 29792), (926, 29789), (947, 29726), (958, 29699), (991, 29618), (1009, 29549), (1013, 29537), (1027, 29513), (1049, 29438), (1050, 29435), (1058, 29411), (1064, 29387), (1072, 29366), (1081, 29342), (1101, 29297), (1108, 29279),

Gene: CliffHanger_44 Start: 28741, Stop: 30612, Start Num: 254
Candidate Starts for CliffHanger_44:
(Start: 254 @28741 has 935 MA's), (Start: 299 @28810 has 1 MA's), (315, 28831), (361, 28909), (386, 28948), (443, 29062), (455, 29077), (464, 29092), (501, 29173), (504, 29182), (599, 29323), (606, 29344), (618, 29359), (626, 29374), (647, 29413), (659, 29434), (819, 29830), (822, 29836), (845, 29911), (862, 29983), (903, 30076), (925, 30136), (936, 30169), (967, 30247), (1003, 30319), (1037, 30400), (1039, 30406), (1040, 30418), (1053, 30454), (1060, 30478), (1081, 30523),

Gene: Clock_37 Start: 29844, Stop: 27952, Start Num: 337
Candidate Starts for Clock_37:
(Start: 337 @29844 has 44 MA's), (355, 29799), (381, 29745), (387, 29739), (398, 29721), (419, 29688), (420, 29685), (438, 29634), (441, 29631), (477, 29553), (478, 29550), (495, 29502), (511, 29460), (544, 29358), (557, 29325), (582, 29283), (587, 29277), (588, 29274), (591, 29262), (601, 29232), (639, 29199), (641, 29196), (654, 29175), (731, 29028), (791, 28872), (862, 28605), (874,

28569), (876, 28563), (884, 28548), (910, 28485), (912, 28476), (1007, 28194), (1008, 28191), (1025, 28155), (1058, 28050),

Gene: CloudWang3_45 Start: 29424, Stop: 27583, Start Num: 254
Candidate Starts for CloudWang3_45:
(Start: 229 @29454 has 1 MA's), (Start: 254 @29424 has 935 MA's), (386, 29220), (426, 29145), (427, 29142), (436, 29115), (441, 29100), (449, 29088), (474, 29037), (510, 28947), (514, 28935), (591, 28842), (605, 28803), (618, 28785), (626, 28770), (666, 28704), (681, 28671), (683, 28668), (735, 28566), (767, 28506), (798, 28422), (819, 28341), (846, 28257), (847, 28254), (850, 28245), (855, 28218), (862, 28188), (899, 28128), (910, 28089), (1003, 27873), (1004, 27870), (1007, 27849), (1060, 27714), (1065, 27702), (1071, 27693), (1073, 27690), (1111, 27597),

Gene: CloverMinnie_53 Start: 47593, Stop: 45776, Start Num: 251
Candidate Starts for CloverMinnie_53:
(Start: 251 @47593 has 15 MA's), (Start: 258 @47584 has 2 MA's), (280, 47557), (287, 47545), (300, 47521), (305, 47512), (360, 47416), (388, 47374), (409, 47338), (437, 47263), (477, 47188), (511, 47110), (567, 47053), (590, 47017), (594, 47005), (603, 46981), (658, 46888), (671, 46864), (679, 46846), (796, 46573), (806, 46534), (814, 46504), (820, 46477), (854, 46369), (856, 46363), (859, 46354), (902, 46264), (904, 46255), (905, 46252), (910, 46237), (939, 46159), (944, 46147), (945, 46141), (950, 46126), (974, 46078), (1000, 46030), (1007, 45997), (1021, 45973), (1039, 45934), (1041, 45919), (1054, 45874), (1084, 45802),

Gene: ClownCar_48 Start: 31746, Stop: 29932, Start Num: 254
Candidate Starts for ClownCar_48:
(Start: 254 @31746 has 935 MA's), (284, 31707), (289, 31695), (386, 31542), (395, 31527), (426, 31470), (449, 31413), (455, 31404), (474, 31362), (494, 31311), (514, 31260), (591, 31167), (609, 31119), (626, 31095), (647, 31056), (666, 31029), (680, 30999), (727, 30906), (734, 30894), (758, 30846), (767, 30831), (819, 30675), (836, 30624), (846, 30591), (847, 30588), (862, 30522), (875, 30483), (905, 30411), (920, 30372), (929, 30348), (935, 30330), (946, 30297), (985, 30216), (1007, 30156), (1018, 30138), (1041, 30078), (1043, 30069), (1060, 30021), (1065, 30009), (1071, 30000),

Gene: Cobra_62 Start: 54586, Stop: 52727, Start Num: 215
Candidate Starts for Cobra_62:
(Start: 198 @54610 has 1 MA's), (Start: 215 @54586 has 328 MA's), (Start: 245 @54562 has 14 MA's), (Start: 258 @54556 has 2 MA's), (Start: 288 @54514 has 1 MA's), (300, 54493), (360, 54379), (363, 54373), (382, 54343), (418, 54283), (425, 54262), (442, 54208), (454, 54196), (464, 54178), (469, 54166), (511, 54061), (567, 54004), (590, 53968), (603, 53932), (609, 53920), (620, 53902), (630, 53884), (641, 53866), (666, 53827), (670, 53818), (671, 53815), (673, 53812), (783, 53557), (813, 53455), (820, 53422), (827, 53401), (856, 53308), (859, 53299), (881, 53236), (904, 53200), (905, 53197), (910, 53182), (939, 53104), (944, 53092), (950, 53071), (970, 53032), (1007, 52942), (1018, 52924), (1021, 52918), (1029, 52903), (1039, 52879), (1041, 52864), (1042, 52861), (1044, 52849), (1054, 52825), (1073, 52777), (1084, 52753),

Gene: CocoaPuff_45 Start: 33873, Stop: 31495, Start Num: 58
Candidate Starts for CocoaPuff_45:
(Start: 58 @33873 has 15 MA's), (80, 33813), (99, 33771), (115, 33732), (165, 33612), (176, 33591), (213, 33567), (270, 33489), (Start: 275 @33483 has 3 MA's), (Start: 277 @33480 has 1 MA's), (297, 33450), (323, 33402), (341, 33375), (Start: 342 @33372 has 5 MA's), (367, 33315), (392, 33276), (406, 33255), (426, 33213), (434, 33189), (437, 33180), (438, 33174), (441, 33168), (459, 33135), (469, 33114), (476, 33093), (537, 32910), (569, 32835), (591, 32793), (668, 32706), (706, 32682), (716, 32658), (720, 32649), (730, 32628), (754, 32577), (755, 32574), (761, 32559), (773, 32538), (810, 32412), (823, 32364), (825, 32355), (841, 32313), (862, 32220), (874, 32184), (876, 32178), (880, 32172), (883, 32166), (905, 32109), (912, 32085), (945, 31980), (946, 31977), (986, 31884), (991,

31866), (1004, 31827), (1013, 31785), (1027, 31761), (1039, 31731), (1050, 31683), (1058, 31659), (1064, 31635), (1072, 31614), (1108, 31527), (1113, 31515),

Gene: Cocoaberry_45 Start: 31574, Stop: 29748, Start Num: 254
Candidate Starts for Cocoaberry_45:
(Start: 254 @31574 has 935 MA's), (271, 31553), (289, 31523), (305, 31493), (413, 31331), (421, 31313), (449, 31241), (455, 31232), (505, 31112), (514, 31088), (591, 30995), (611, 30947), (626, 30926), (647, 30887), (719, 30755), (732, 30734), (755, 30689), (759, 30677), (815, 30524), (819, 30503), (855, 30380), (862, 30350), (875, 30311), (904, 30245), (905, 30242), (910, 30227), (920, 30203), (929, 30179), (1007, 29972), (1060, 29837), (1065, 29825), (1071, 29816),

Gene: Coffee_57 Start: 52600, Stop: 50771, Start Num: 215
Candidate Starts for Coffee_57:
(Start: 215 @52600 has 328 MA's), (Start: 258 @52573 has 2 MA's), (Start: 282 @52543 has 7 MA's), (Start: 288 @52531 has 1 MA's), (Start: 304 @52504 has 2 MA's), (305, 52501), (314, 52492), (338, 52474), (388, 52378), (418, 52327), (426, 52303), (433, 52279), (496, 52141), (506, 52117), (511, 52105), (567, 52048), (590, 52012), (594, 52000), (603, 51976), (652, 51892), (670, 51862), (671, 51859), (684, 51829), (753, 51685), (778, 51619), (792, 51580), (796, 51568), (800, 51547), (806, 51529), (820, 51472), (844, 51415), (850, 51388), (856, 51358), (859, 51349), (879, 51283), (902, 51256), (904, 51247), (910, 51229), (920, 51205), (939, 51151), (944, 51139), (950, 51118), (985, 51049), (1007, 50989), (1018, 50971), (1035, 50938), (1039, 50926), (1041, 50911), (1042, 50908), (1044, 50896), (1054, 50872), (1055, 50869), (1073, 50821), (1075, 50818), (1084, 50797), (1091, 50776),

Gene: CogOmlette_43 Start: 30719, Stop: 28926, Start Num: 254
Candidate Starts for CogOmlette_43:
(Start: 254 @30719 has 935 MA's), (261, 30710), (289, 30668), (349, 30581), (386, 30515), (391, 30506), (396, 30497), (409, 30479), (427, 30437), (436, 30410), (441, 30395), (449, 30383), (474, 30332), (514, 30230), (587, 30152), (591, 30137), (618, 30080), (680, 29969), (728, 29873), (759, 29810), (785, 29771), (787, 29765), (819, 29642), (850, 29546), (855, 29519), (862, 29489), (875, 29450), (904, 29408), (946, 29291), (983, 29216), (1003, 29174), (1041, 29072), (1060, 29015), (1065, 29003), (1071, 28994),

Gene: ColaCorta_38 Start: 28731, Stop: 26866, Start Num: 337
Candidate Starts for ColaCorta_38:
(Start: 337 @28731 has 44 MA's), (355, 28686), (381, 28632), (420, 28572), (438, 28521), (476, 28443), (478, 28437), (494, 28392), (495, 28389), (496, 28386), (511, 28347), (531, 28287), (582, 28164), (588, 28155), (591, 28143), (595, 28131), (601, 28113), (634, 28092), (639, 28080), (731, 27909), (796, 27741), (850, 27576), (858, 27540), (862, 27519), (876, 27477), (912, 27390), (925, 27345), (962, 27246), (982, 27201), (985, 27192), (1004, 27132), (1007, 27108), (1022, 27075), (1058, 26964),

Gene: Colbert_59 Start: 53606, Stop: 51747, Start Num: 215
Candidate Starts for Colbert_59:
(Start: 198 @53630 has 1 MA's), (Start: 215 @53606 has 328 MA's), (Start: 245 @53582 has 14 MA's), (Start: 258 @53576 has 2 MA's), (Start: 288 @53534 has 1 MA's), (300, 53513), (360, 53399), (363, 53393), (382, 53363), (418, 53303), (425, 53282), (442, 53228), (454, 53216), (464, 53198), (469, 53186), (511, 53081), (567, 53024), (590, 52988), (594, 52976), (605, 52949), (620, 52922), (630, 52904), (641, 52886), (666, 52847), (670, 52838), (671, 52835), (673, 52832), (813, 52475), (820, 52442), (827, 52421), (856, 52328), (859, 52319), (881, 52256), (904, 52220), (905, 52217), (910, 52202), (939, 52124), (944, 52112), (950, 52091), (970, 52052), (1007, 51962), (1018, 51944), (1021, 51938), (1029, 51923), (1039, 51899), (1041, 51884), (1042, 51881), (1044, 51869), (1054, 51845), (1073, 51797), (1084, 51773),

Gene: Colbster_48 Start: 31856, Stop: 30042, Start Num: 254
Candidate Starts for Colbster_48:
(Start: 254 @31856 has 935 MA's), (284, 31817), (289, 31805), (386, 31652), (395, 31637), (426, 31580), (449, 31523), (455, 31514), (474, 31472), (494, 31421), (514, 31370), (591, 31277), (609, 31229), (618, 31220), (626, 31205), (647, 31166), (666, 31139), (680, 31109), (727, 31016), (758, 30956), (767, 30941), (819, 30785), (847, 30698), (862, 30632), (875, 30593), (905, 30521), (920, 30482), (929, 30458), (935, 30440), (946, 30407), (956, 30380), (985, 30326), (1007, 30266), (1041, 30188), (1060, 30131), (1065, 30119), (1071, 30110),

Gene: Coldpizza_51 Start: 48550, Stop: 46769, Start Num: 250
Candidate Starts for Coldpizza_51:
(184, 48637), (Start: 250 @48550 has 5 MA's), (287, 48505), (363, 48388), (418, 48304), (435, 48250), (487, 48160), (511, 48094), (567, 48037), (590, 48001), (594, 47989), (613, 47947), (671, 47848), (796, 47557), (820, 47461), (847, 47389), (854, 47356), (856, 47350), (859, 47341), (879, 47278), (905, 47239), (910, 47224), (917, 47209), (939, 47146), (944, 47134), (950, 47113), (953, 47104), (970, 47074), (996, 47029), (1004, 47005), (1007, 46984), (1021, 46960), (1039, 46921), (1054, 46867), (1084, 46795),

Gene: Coletti_63 Start: 55108, Stop: 53249, Start Num: 215
Candidate Starts for Coletti_63:
(Start: 198 @55132 has 1 MA's), (Start: 215 @55108 has 328 MA's), (Start: 245 @55084 has 14 MA's), (Start: 258 @55078 has 2 MA's), (Start: 288 @55036 has 1 MA's), (300, 55015), (360, 54901), (363, 54895), (382, 54865), (418, 54805), (425, 54784), (442, 54730), (454, 54718), (464, 54700), (469, 54688), (511, 54583), (567, 54526), (590, 54490), (594, 54478), (603, 54454), (609, 54442), (620, 54424), (630, 54406), (641, 54388), (666, 54349), (670, 54340), (671, 54337), (673, 54334), (813, 53977), (820, 53944), (827, 53923), (856, 53830), (859, 53821), (881, 53758), (904, 53722), (905, 53719), (910, 53704), (939, 53626), (944, 53614), (950, 53593), (970, 53554), (1007, 53464), (1018, 53446), (1021, 53440), (1029, 53425), (1039, 53401), (1041, 53386), (1042, 53383), (1044, 53371), (1054, 53347), (1073, 53299), (1084, 53275),

Gene: Colin_46 Start: 32075, Stop: 30288, Start Num: 254
Candidate Starts for Colin_46:
(Start: 254 @32075 has 935 MA's), (388, 31868), (391, 31862), (413, 31832), (427, 31796), (436, 31769), (449, 31742), (463, 31721), (514, 31589), (591, 31496), (609, 31448), (618, 31439), (626, 31424), (666, 31358), (708, 31277), (732, 31229), (819, 31004), (836, 30953), (846, 30920), (847, 30917), (862, 30851), (875, 30812), (899, 30791), (925, 30716), (929, 30704), (975, 30590), (1000, 30545), (1003, 30536), (1007, 30512), (1037, 30455), (1041, 30434), (1060, 30377), (1065, 30365),

Gene: Coltrane_40 Start: 27441, Stop: 29309, Start Num: 238
Candidate Starts for Coltrane_40:
(Start: 238 @27441 has 7 MA's), (Start: 241 @27444 has 65 MA's), (244, 27447), (Start: 299 @27516 has 1 MA's), (474, 27825), (501, 27879), (605, 28044), (647, 28119), (659, 28140), (804, 28494), (819, 28554), (836, 28605), (853, 28671), (862, 28707), (903, 28800), (967, 28971), (1003, 29043), (1037, 29124), (1059, 29199), (1060, 29202), (1071, 29223), (1100, 29292),

Gene: Commander_45 Start: 31569, Stop: 29743, Start Num: 254
Candidate Starts for Commander_45:
(Start: 254 @31569 has 935 MA's), (271, 31548), (289, 31518), (305, 31488), (413, 31326), (421, 31308), (449, 31236), (455, 31227), (505, 31107), (514, 31083), (591, 30990), (611, 30942), (626, 30921), (647, 30882), (719, 30750), (732, 30729), (755, 30684), (759, 30672), (815, 30519), (819, 30498), (855, 30375), (862, 30345), (875, 30306), (904, 30240), (905, 30237), (910, 30222), (920, 30198), (929, 30174), (1007, 29967), (1060, 29832), (1065, 29820), (1071, 29811),

Gene: Community_43 Start: 31334, Stop: 33199, Start Num: 254
Candidate Starts for Community_43:
(Start: 254 @31334 has 935 MA's), (Start: 288 @31382 has 1 MA's), (415, 31571), (436, 31631), (479, 31721), (593, 31928), (641, 32027), (647, 32036), (657, 32051), (666, 32063), (708, 32141), (732, 32189), (759, 32246), (788, 32327), (819, 32447), (830, 32477), (847, 32534), (862, 32600), (903, 32693), (929, 32765), (971, 32873), (1003, 32936), (1060, 33095), (1064, 33104), (1099, 33182),

Gene: Compostia_58 Start: 54083, Stop: 52266, Start Num: 256
Candidate Starts for Compostia_58:
(137, 54266), (Start: 256 @54083 has 51 MA's), (280, 54053), (391, 53873), (463, 53720), (467, 53708), (481, 53678), (489, 53672), (511, 53609), (513, 53603), (567, 53552), (588, 53525), (590, 53516), (609, 53468), (671, 53363), (718, 53267), (747, 53216), (796, 53072), (806, 53033), (814, 53003), (820, 52976), (824, 52964), (854, 52868), (856, 52862), (859, 52853), (861, 52841), (893, 52769), (904, 52739), (910, 52721), (915, 52712), (939, 52643), (944, 52631), (950, 52610), (985, 52541), (996, 52526), (1004, 52502), (1007, 52481), (1018, 52463), (1021, 52457), (1037, 52424), (1039, 52418), (1042, 52400), (1044, 52388), (1050, 52376), (1054, 52364), (1070, 52322), (1084, 52292),

Gene: ConceptII_46 Start: 35338, Stop: 33512, Start Num: 254
Candidate Starts for ConceptII_46:
(Start: 254 @35338 has 935 MA's), (391, 35125), (426, 35062), (436, 35032), (443, 35011), (449, 35005), (455, 34996), (504, 34879), (514, 34852), (591, 34759), (596, 34744), (609, 34711), (639, 34660), (641, 34657), (680, 34591), (701, 34561), (711, 34531), (734, 34486), (755, 34447), (819, 34267), (834, 34219), (847, 34180), (862, 34114), (875, 34075), (899, 34054), (904, 34033), (910, 34015), (935, 33949), (1003, 33799), (1004, 33796), (1012, 33760), (1029, 33736), (1034, 33727), (1038, 33715), (1060, 33640), (1071, 33619),

Gene: Connomayer_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Connomayer_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Conquerage_45 Start: 31513, Stop: 29720, Start Num: 254
Candidate Starts for Conquerage_45:
(Start: 254 @31513 has 935 MA's), (261, 31504), (289, 31462), (369, 31342), (371, 31339), (396, 31291), (427, 31231), (437, 31201), (441, 31189), (449, 31177), (514, 31024), (591, 30931), (666, 30793), (680, 30763), (759, 30604), (767, 30592), (785, 30565), (815, 30457), (819, 30436), (859, 30301), (862, 30283), (904, 30202), (920, 30160), (946, 30085), (953, 30064), (983, 30010), (1003, 29968), (1041, 29866), (1060, 29809), (1065, 29797), (1071, 29788),

Gene: Conspiracy_38 Start: 30346, Stop: 28502, Start Num: 254
Candidate Starts for Conspiracy_38:
(Start: 254 @30346 has 935 MA's), (289, 30295), (334, 30235), (371, 30172), (386, 30142), (388, 30139), (422, 30082), (426, 30070), (436, 30040), (449, 30013), (494, 29911), (501, 29896), (514, 29860), (571, 29800), (591, 29764), (609, 29716), (659, 29632), (666, 29626), (706, 29554), (719, 29521), (727, 29506), (734, 29494), (783, 29395), (819, 29260), (830, 29230), (834, 29212), (836, 29209), (847, 29173), (850, 29164), (853, 29143), (856, 29134), (862, 29107), (863, 29104), (899, 29047), (904, 29026), (946, 28909), (971, 28855), (975, 28846), (985, 28828), (1018, 28750), (1040, 28693), (1053, 28657), (1060, 28633), (1065, 28621),

Gene: Convict_39 Start: 28934, Stop: 27069, Start Num: 339
Candidate Starts for Convict_39:
(Start: 275 @29021 has 3 MA's), (Start: 277 @29018 has 1 MA's), (Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (471, 28661), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (749, 28067), (773, 28013), (780, 27992), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: Coog_38 Start: 30444, Stop: 28579, Start Num: 254
Candidate Starts for Coog_38:
(Start: 254 @30444 has 935 MA's), (289, 30393), (334, 30333), (371, 30270), (386, 30240), (388, 30237), (422, 30180), (426, 30168), (436, 30138), (449, 30111), (514, 29958), (591, 29862), (609, 29814), (659, 29730), (666, 29724), (681, 29691), (706, 29652), (719, 29619), (727, 29604), (734, 29592), (783, 29493), (819, 29358), (830, 29328), (834, 29310), (836, 29307), (847, 29271), (850, 29262), (855, 29235), (862, 29205), (875, 29166), (904, 29124), (910, 29106), (929, 29058), (946, 29007), (971, 28953), (975, 28944), (985, 28926), (1007, 28866), (1018, 28848), (1053, 28755), (1060, 28731), (1065, 28719), (1111, 28614),

Gene: Cookiedough_45 Start: 29639, Stop: 27798, Start Num: 254
Candidate Starts for Cookiedough_45:
(Start: 254 @29639 has 935 MA's), (386, 29435), (426, 29360), (427, 29357), (436, 29330), (441, 29315), (449, 29303), (474, 29252), (510, 29162), (514, 29150), (591, 29057), (605, 29018), (618, 29000), (626, 28985), (666, 28919), (681, 28886), (683, 28883), (735, 28781), (767, 28721), (798, 28637), (819, 28556), (846, 28472), (847, 28469), (850, 28460), (855, 28433), (862, 28403), (899, 28343), (910, 28304), (1003, 28088), (1004, 28085), (1007, 28064), (1060, 27929), (1065, 27917), (1071, 27908), (1073, 27905), (1111, 27812),

Gene: Cooper_54 Start: 53229, Stop: 51376, Start Num: 208
Candidate Starts for Cooper_54:
(60, 53559), (107, 53439), (Start: 190 @53247 has 4 MA's), (Start: 208 @53229 has 32 MA's), (Start: 239 @53184 has 1 MA's), (Start: 258 @53175 has 2 MA's), (280, 53148), (Start: 288 @53133 has 1 MA's), (300, 53112), (353, 53025), (360, 53007), (415, 52920), (425, 52893), (430, 52878), (464, 52812), (477, 52782), (481, 52773), (487, 52770), (489, 52767), (496, 52740), (567, 52647), (582, 52629), (590, 52611), (594, 52599), (605, 52572), (666, 52470), (670, 52461), (671, 52458), (684, 52428), (796, 52167), (797, 52164), (806, 52128), (813, 52104), (820, 52071), (854, 51963), (856, 51957), (859, 51948), (904, 51849), (910, 51831), (939, 51753), (944, 51741), (950, 51720), (953, 51711), (985, 51651), (1000, 51624), (1007, 51591), (1018, 51573), (1021, 51567), (1039, 51528), (1041, 51513), (1042, 51510), (1044, 51498), (1054, 51474), (1070, 51432), (1073, 51426), (1084, 51402), (1091, 51381),

Gene: CoraRita_38 Start: 28634, Stop: 26769, Start Num: 339
Candidate Starts for CoraRita_38:
(Start: 275 @28721 has 3 MA's), (Start: 277 @28718 has 1 MA's), (Start: 339 @28634 has 121 MA's), (Start: 342 @28625 has 5 MA's), (392, 28520), (398, 28511), (418, 28481), (419, 28478), (472, 28358), (476, 28346), (478, 28340), (518, 28235), (525, 28208), (582, 28067), (587, 28061), (588, 28058), (591, 28046), (600, 28019), (601, 28016), (612, 28001), (634, 27995), (637, 27989), (657, 27956), (725, 27827), (749, 27767), (855, 27452), (858, 27443), (859, 27440), (862, 27422), (876, 27380), (880, 27374), (884, 27365), (895, 27350), (912, 27293), (970, 27134), (982, 27104), (985, 27095), (1004, 27035), (1007, 27011), (1025, 26972), (1039, 26939), (1040, 26927), (1058, 26867),

Gene: Cornbread_60 Start: 54072, Stop: 52213, Start Num: 215
Candidate Starts for Cornbread_60:
(Start: 198 @54096 has 1 MA's), (Start: 215 @54072 has 328 MA's), (Start: 245 @54048 has 14 MA's), (Start: 258 @54042 has 2 MA's), (Start: 288 @54000 has 1 MA's), (300, 53979), (360, 53865), (363, 53859), (382, 53829), (418, 53769), (425, 53748), (442, 53694), (454, 53682), (464, 53664), (469, 53652), (511, 53547), (567, 53490), (590, 53454), (594, 53442), (603, 53418), (609, 53406), (620, 53388), (630, 53370), (641, 53352), (666, 53313), (670, 53304), (671, 53301), (673, 53298), (813, 52941), (820, 52908), (827, 52887), (856, 52794), (859, 52785), (881, 52722), (904, 52686), (905, 52683), (910, 52668), (939, 52590), (944, 52578), (950, 52557), (970, 52518), (1007, 52428), (1018, 52410), (1021, 52404), (1029, 52389), (1039, 52365), (1041, 52350), (1042, 52347), (1044, 52335), (1054, 52311), (1073, 52263), (1084, 52239),

Gene: Cornobble_60 Start: 54040, Stop: 52181, Start Num: 215
Candidate Starts for Cornobble_60:
(Start: 198 @54064 has 1 MA's), (Start: 215 @54040 has 328 MA's), (Start: 245 @54016 has 14 MA's), (Start: 258 @54010 has 2 MA's), (Start: 288 @53968 has 1 MA's), (300, 53947), (360, 53833), (363, 53827), (382, 53797), (418, 53737), (425, 53716), (442, 53662), (454, 53650), (464, 53632), (469, 53620), (511, 53515), (567, 53458), (590, 53422), (594, 53410), (603, 53386), (609, 53374), (620, 53356), (630, 53338), (641, 53320), (666, 53281), (670, 53272), (671, 53269), (673, 53266), (813, 52909), (820, 52876), (827, 52855), (856, 52762), (859, 52753), (881, 52690), (904, 52654), (905, 52651), (910, 52636), (939, 52558), (944, 52546), (950, 52525), (970, 52486), (1007, 52396), (1018, 52378), (1021, 52372), (1029, 52357), (1039, 52333), (1041, 52318), (1042, 52315), (1044, 52303), (1054, 52279), (1073, 52231), (1084, 52207),

Gene: Corofin_58 Start: 53707, Stop: 51890, Start Num: 256
Candidate Starts for Corofin_58:
(137, 53890), (Start: 256 @53707 has 51 MA's), (280, 53677), (391, 53497), (463, 53344), (467, 53332), (481, 53302), (489, 53296), (511, 53233), (513, 53227), (567, 53176), (590, 53140), (609, 53092), (671, 52987), (718, 52891), (747, 52840), (796, 52696), (806, 52657), (814, 52627), (820, 52600), (824, 52588), (854, 52492), (856, 52486), (859, 52477), (861, 52465), (893, 52393), (904, 52363), (910, 52345), (915, 52336), (939, 52267), (944, 52255), (950, 52234), (985, 52165), (996, 52150), (1004, 52126), (1007, 52105), (1018, 52087), (1021, 52081), (1037, 52048), (1039, 52042), (1042, 52024), (1044, 52012), (1050, 52000), (1054, 51988), (1070, 51946), (1084, 51916),

Gene: Corvo_45 Start: 35201, Stop: 33375, Start Num: 254
Candidate Starts for Corvo_45:
(Start: 254 @35201 has 935 MA's), (391, 34988), (400, 34973), (436, 34895), (443, 34874), (449, 34868), (455, 34859), (504, 34742), (514, 34715), (591, 34622), (596, 34607), (603, 34586), (609, 34574), (639, 34523), (641, 34520), (680, 34454), (701, 34424), (711, 34394), (734, 34349), (755, 34310), (819, 34130), (834, 34082), (847, 34043), (862, 33977), (875, 33938), (899, 33917), (904, 33896), (910, 33878), (935, 33812), (1003, 33662), (1004, 33659), (1012, 33623), (1029, 33599), (1034, 33590), (1038, 33578), (1060, 33503), (1071, 33482),

Gene: CosmicSans_36 Start: 28113, Stop: 26329, Start Num: 254
Candidate Starts for CosmicSans_36:
(Start: 254 @28113 has 935 MA's), (407, 27879), (422, 27849), (425, 27840), (426, 27837), (441, 27792), (449, 27780), (474, 27729), (514, 27627), (548, 27606), (591, 27534), (606, 27489), (609, 27486), (636, 27444), (638, 27438), (647, 27423), (666, 27396), (719, 27291), (725, 27282), (734, 27264), (735, 27261), (755, 27225), (819, 27045), (834, 26997), (862, 26892), (863, 26889), (899, 26832), (904, 26811), (923, 26763), (948, 26688), (983, 26619), (1003, 26577), (1007, 26553), (1041, 26475), (1060, 26418), (1065, 26406), (1071, 26397), (1085, 26367), (1091, 26349),

Gene: Cosmolli16_61 Start: 54750, Stop: 52891, Start Num: 215

Candidate Starts for Cosmolli16_61:
(Start: 198 @54774 has 1 MA's), (Start: 215 @54750 has 328 MA's), (Start: 245 @54726 has 14 MA's), (Start: 258 @54720 has 2 MA's), (Start: 288 @54678 has 1 MA's), (300, 54657), (360, 54543), (363, 54537), (382, 54507), (418, 54447), (425, 54426), (442, 54372), (454, 54360), (464, 54342), (469, 54330), (511, 54225), (567, 54168), (590, 54132), (594, 54120), (605, 54093), (630, 54048), (641, 54030), (666, 53991), (670, 53982), (671, 53979), (673, 53976), (813, 53619), (820, 53586), (827, 53565), (856, 53472), (859, 53463), (881, 53400), (904, 53364), (905, 53361), (910, 53346), (939, 53268), (944, 53256), (950, 53235), (970, 53196), (1007, 53106), (1018, 53088), (1021, 53082), (1029, 53067), (1039, 53043), (1041, 53028), (1042, 53025), (1044, 53013), (1054, 52989), (1073, 52941), (1084, 52917),

Gene: Cozz_41 Start: 32142, Stop: 29749, Start Num: 45
Candidate Starts for Cozz_41:
(Start: 45 @32142 has 21 MA's), (59, 32136), (Start: 75 @32088 has 1 MA's), (93, 32046), (103, 32022), (152, 31896), (165, 31872), (213, 31827), (247, 31776), (260, 31761), (Start: 277 @31740 has 1 MA's), (307, 31692), (326, 31659), (333, 31650), (367, 31575), (373, 31563), (417, 31494), (427, 31467), (429, 31461), (434, 31446), (459, 31392), (461, 31389), (469, 31371), (476, 31350), (497, 31290), (537, 31167), (539, 31161), (569, 31092), (591, 31050), (668, 30963), (684, 30939), (706, 30933), (716, 30909), (720, 30900), (727, 30885), (733, 30873), (753, 30831), (754, 30828), (755, 30825), (774, 30789), (807, 30678), (825, 30609), (827, 30603), (841, 30567), (853, 30510), (862, 30474), (874, 30438), (876, 30432), (880, 30426), (883, 30420), (905, 30363), (912, 30339), (925, 30294), (1058, 29913), (1072, 29868), (1076, 29859), (1101, 29799), (1108, 29781),

Gene: Craff_63 Start: 54995, Stop: 53136, Start Num: 215
Candidate Starts for Craff_63:
(Start: 198 @55019 has 1 MA's), (Start: 215 @54995 has 328 MA's), (Start: 245 @54971 has 14 MA's), (Start: 258 @54965 has 2 MA's), (Start: 288 @54923 has 1 MA's), (300, 54902), (360, 54788), (363, 54782), (382, 54752), (418, 54692), (425, 54671), (442, 54617), (454, 54605), (464, 54587), (469, 54575), (511, 54470), (567, 54413), (590, 54377), (594, 54365), (605, 54338), (620, 54311), (630, 54293), (641, 54275), (666, 54236), (670, 54227), (671, 54224), (813, 53864), (820, 53831), (827, 53810), (856, 53717), (859, 53708), (881, 53645), (905, 53606), (910, 53591), (939, 53513), (944, 53501), (950, 53480), (970, 53441), (1004, 53372), (1007, 53351), (1018, 53333), (1021, 53327), (1029, 53312), (1039, 53288), (1041, 53273), (1042, 53270), (1044, 53258), (1054, 53234), (1073, 53186), (1084, 53162),

Gene: Crewmate_46 Start: 30025, Stop: 31890, Start Num: 254
Candidate Starts for Crewmate_46:
(Start: 254 @30025 has 935 MA's), (Start: 288 @30073 has 1 MA's), (391, 30238), (411, 30256), (436, 30322), (443, 30343), (596, 30628), (647, 30727), (657, 30742), (666, 30754), (708, 30832), (732, 30880), (759, 30937), (788, 31018), (819, 31138), (847, 31225), (860, 31282), (862, 31291), (971, 31564), (1060, 31786),

Gene: Crispicous1_43 Start: 33950, Stop: 32124, Start Num: 254
Candidate Starts for Crispicous1_43:
(Start: 254 @33950 has 935 MA's), (391, 33737), (400, 33722), (426, 33674), (436, 33644), (443, 33623), (449, 33617), (455, 33608), (504, 33491), (514, 33464), (591, 33371), (596, 33356), (609, 33323), (639, 33272), (641, 33269), (680, 33203), (701, 33173), (711, 33143), (734, 33098), (755, 33059), (819, 32879), (834, 32831), (847, 32792), (862, 32726), (875, 32687), (899, 32666), (904, 32645), (910, 32627), (935, 32561), (1003, 32411), (1004, 32408), (1012, 32372), (1029, 32348), (1034, 32339), (1038, 32327), (1043, 32300), (1060, 32252), (1071, 32231),

Gene: CroZenni_42 Start: 29399, Stop: 31273, Start Num: 241
Candidate Starts for CroZenni_42:

(Start: 241 @29399 has 65 MA's), (Start: 299 @29468 has 1 MA's), (315, 29489), (395, 29621), (455, 29735), (464, 29750), (474, 29777), (647, 30071), (766, 30305), (804, 30428), (819, 30488), (822, 30494), (836, 30539), (843, 30554), (845, 30569), (853, 30605), (862, 30641), (903, 30734), (936, 30827), (967, 30905), (1003, 30977), (1012, 31016), (1037, 31058), (1040, 31076), (1053, 31112), (1060, 31136), (1071, 31157),

Gene: Croquant_49 Start: 31851, Stop: 30037, Start Num: 254
Candidate Starts for Croquant_49:
(Start: 254 @31851 has 935 MA's), (284, 31812), (289, 31800), (386, 31647), (395, 31632), (426, 31575), (449, 31518), (455, 31509), (474, 31467), (494, 31416), (514, 31365), (591, 31272), (609, 31224), (618, 31215), (626, 31200), (647, 31161), (666, 31134), (680, 31104), (727, 31011), (758, 30951), (767, 30936), (819, 30780), (847, 30693), (862, 30627), (875, 30588), (905, 30516), (920, 30477), (929, 30453), (935, 30435), (946, 30402), (956, 30375), (985, 30321), (1007, 30261), (1041, 30183), (1060, 30126), (1065, 30114), (1071, 30105),

Gene: Crownjwl_60 Start: 54069, Stop: 52210, Start Num: 215
Candidate Starts for Crownjwl_60:
(Start: 198 @54093 has 1 MA's), (Start: 215 @54069 has 328 MA's), (Start: 245 @54045 has 14 MA's), (Start: 258 @54039 has 2 MA's), (Start: 288 @53997 has 1 MA's), (300, 53976), (360, 53862), (363, 53856), (382, 53826), (418, 53766), (425, 53745), (442, 53691), (454, 53679), (464, 53661), (469, 53649), (511, 53544), (567, 53487), (590, 53451), (594, 53439), (603, 53415), (609, 53403), (620, 53385), (630, 53367), (666, 53310), (670, 53301), (671, 53298), (673, 53295), (783, 53040), (813, 52938), (820, 52905), (827, 52884), (856, 52791), (859, 52782), (881, 52719), (904, 52683), (905, 52680), (910, 52665), (939, 52587), (944, 52575), (950, 52554), (970, 52515), (1007, 52425), (1018, 52407), (1021, 52401), (1029, 52386), (1039, 52362), (1041, 52347), (1042, 52344), (1044, 52332), (1054, 52308), (1073, 52260), (1084, 52236),

Gene: Crucio_44 Start: 31285, Stop: 29498, Start Num: 254
Candidate Starts for Crucio_44:
(114, 31540), (Start: 254 @31285 has 935 MA's), (386, 31081), (388, 31078), (391, 31072), (402, 31057), (413, 31042), (426, 31009), (427, 31006), (436, 30979), (449, 30952), (463, 30931), (474, 30901), (514, 30799), (591, 30706), (609, 30658), (618, 30649), (626, 30634), (666, 30568), (708, 30487), (732, 30439), (734, 30433), (767, 30370), (798, 30295), (819, 30214), (836, 30163), (846, 30130), (847, 30127), (862, 30061), (875, 30022), (899, 30001), (925, 29926), (931, 29908), (946, 29863), (956, 29836), (975, 29800), (983, 29788), (985, 29782), (1003, 29746), (1007, 29722), (1041, 29644), (1060, 29587), (1065, 29575), (1071, 29566),

Gene: Cuco_38 Start: 30397, Stop: 28532, Start Num: 254
Candidate Starts for Cuco_38:
(Start: 254 @30397 has 935 MA's), (289, 30346), (334, 30286), (371, 30223), (386, 30193), (388, 30190), (422, 30133), (426, 30121), (436, 30091), (449, 30064), (514, 29911), (591, 29815), (609, 29767), (659, 29683), (666, 29677), (681, 29644), (706, 29605), (727, 29557), (734, 29545), (783, 29446), (819, 29311), (830, 29281), (834, 29263), (843, 29245), (847, 29224), (850, 29215), (855, 29188), (862, 29158), (875, 29119), (904, 29077), (910, 29059), (929, 29011), (946, 28960), (971, 28906), (975, 28897), (985, 28879), (1007, 28819), (1018, 28801), (1053, 28708), (1060, 28684), (1065, 28672), (1111, 28567),

Gene: Cueylyss_46 Start: 36237, Stop: 34411, Start Num: 254
Candidate Starts for Cueylyss_46:
(Start: 254 @36237 has 935 MA's), (391, 36024), (400, 36009), (436, 35931), (443, 35910), (449, 35904), (455, 35895), (504, 35778), (514, 35751), (591, 35658), (596, 35643), (639, 35559), (641, 35556), (680, 35490), (701, 35460), (711, 35430), (734, 35385), (755, 35346), (819, 35166), (830, 35136), (834, 35118), (836, 35115), (847, 35079), (862, 35013), (904, 34932), (905, 34929), (935,

34848), (1003, 34698), (1004, 34695), (1012, 34659), (1029, 34635), (1034, 34626), (1038, 34614), (1041, 34596), (1043, 34587), (1060, 34539), (1071, 34518),

Gene: Cullens_48 Start: 31852, Stop: 30038, Start Num: 254
Candidate Starts for Cullens_48:
(Start: 254 @31852 has 935 MA's), (284, 31813), (289, 31801), (386, 31648), (395, 31633), (426, 31576), (449, 31519), (455, 31510), (474, 31468), (494, 31417), (514, 31366), (591, 31273), (609, 31225), (618, 31216), (626, 31201), (647, 31162), (666, 31135), (680, 31105), (727, 31012), (758, 30952), (767, 30937), (819, 30781), (847, 30694), (862, 30628), (875, 30589), (905, 30517), (920, 30478), (929, 30454), (935, 30436), (946, 30403), (956, 30376), (985, 30322), (1007, 30262), (1041, 30184), (1060, 30127), (1065, 30115), (1071, 30106),

Gene: CupcakePrincess_43 Start: 29585, Stop: 31459, Start Num: 241
Candidate Starts for CupcakePrincess_43:
(Start: 238 @29582 has 7 MA's), (Start: 241 @29585 has 65 MA's), (Start: 299 @29654 has 1 MA's), (315, 29675), (426, 29855), (455, 29921), (474, 29963), (647, 30257), (719, 30392), (766, 30491), (804, 30614), (819, 30674), (822, 30680), (836, 30725), (845, 30755), (853, 30791), (862, 30827), (903, 30920), (936, 31013), (967, 31091), (1003, 31163), (1012, 31202), (1037, 31244), (1040, 31262), (1060, 31322), (1071, 31343),

Gene: Cyan_41 Start: 29677, Stop: 31542, Start Num: 254
Candidate Starts for Cyan_41:
(Start: 254 @29677 has 935 MA's), (Start: 288 @29725 has 1 MA's), (436, 29974), (479, 30064), (593, 30271), (596, 30280), (641, 30370), (647, 30379), (657, 30394), (681, 30439), (708, 30484), (732, 30532), (759, 30589), (788, 30670), (812, 30757), (819, 30790), (830, 30820), (847, 30877), (862, 30943), (903, 31036), (929, 31108), (971, 31216), (1003, 31279), (1007, 31303), (1053, 31414), (1060, 31438), (1064, 31447),

Gene: D29_44 Start: 31153, Stop: 29330, Start Num: 254
Candidate Starts for D29_44:
(Start: 254 @31153 has 935 MA's), (386, 30949), (400, 30925), (413, 30907), (421, 30889), (426, 30874), (427, 30871), (436, 30844), (449, 30817), (474, 30766), (514, 30664), (591, 30571), (609, 30523), (618, 30514), (625, 30502), (626, 30499), (666, 30433), (701, 30373), (755, 30259), (767, 30235), (786, 30196), (819, 30070), (836, 30019), (847, 29983), (862, 29917), (875, 29878), (905, 29809), (920, 29770), (936, 29725), (946, 29695), (975, 29632), (985, 29614), (1007, 29554), (1060, 29419), (1065, 29407), (1071, 29398),

Gene: D32_47 Start: 31153, Stop: 29330, Start Num: 254
Candidate Starts for D32_47:
(Start: 254 @31153 has 935 MA's), (386, 30949), (400, 30925), (413, 30907), (421, 30889), (426, 30874), (427, 30871), (436, 30844), (449, 30817), (474, 30766), (514, 30664), (591, 30571), (609, 30523), (618, 30514), (625, 30502), (626, 30499), (666, 30433), (701, 30373), (755, 30259), (767, 30235), (786, 30196), (819, 30070), (836, 30019), (847, 29983), (862, 29917), (875, 29878), (905, 29809), (920, 29770), (936, 29725), (946, 29695), (975, 29632), (985, 29614), (1007, 29554), (1060, 29419), (1065, 29407), (1071, 29398),

Gene: DBQu4n_47 Start: 31153, Stop: 29330, Start Num: 254
Candidate Starts for DBQu4n_47:
(Start: 254 @31153 has 935 MA's), (386, 30949), (400, 30925), (413, 30907), (421, 30889), (426, 30874), (427, 30871), (436, 30844), (449, 30817), (474, 30766), (514, 30664), (591, 30571), (609, 30523), (618, 30514), (625, 30502), (626, 30499), (666, 30433), (701, 30373), (755, 30259), (767, 30235), (786, 30196), (819, 30070), (836, 30019), (847, 29983), (862, 29917), (875, 29878), (905, 29809), (920, 29770), (936, 29725), (946, 29695), (975, 29632), (983, 29620), (985, 29614), (1007,

29554), (1060, 29419), (1065, 29407), (1071, 29398),

Gene: DD5_44 Start: 35207, Stop: 33381, Start Num: 254
Candidate Starts for DD5_44:
(Start: 254 @35207 has 935 MA's), (391, 34994), (426, 34931), (436, 34901), (449, 34874), (455, 34865), (504, 34748), (514, 34721), (591, 34628), (596, 34613), (639, 34529), (641, 34526), (680, 34460), (701, 34430), (711, 34400), (734, 34355), (755, 34316), (819, 34136), (834, 34088), (847, 34049), (862, 33983), (875, 33944), (899, 33923), (904, 33902), (910, 33884), (935, 33818), (1003, 33668), (1004, 33665), (1012, 33629), (1034, 33596), (1038, 33584), (1060, 33509), (1071, 33488),

Gene: DaHudson_48 Start: 31845, Stop: 30031, Start Num: 254
Candidate Starts for DaHudson_48:
(168, 31971), (Start: 254 @31845 has 935 MA's), (284, 31806), (289, 31794), (386, 31641), (395, 31626), (426, 31569), (449, 31512), (455, 31503), (474, 31461), (494, 31410), (514, 31359), (591, 31266), (609, 31218), (618, 31209), (626, 31194), (647, 31155), (666, 31128), (680, 31098), (727, 31005), (734, 30993), (758, 30945), (767, 30930), (819, 30774), (847, 30687), (862, 30621), (875, 30582), (905, 30510), (920, 30471), (929, 30447), (935, 30429), (946, 30396), (956, 30369), (985, 30315), (1007, 30255), (1041, 30177), (1060, 30120), (1065, 30108), (1071, 30099),

Gene: DaVinci_45 Start: 29628, Stop: 27787, Start Num: 254
Candidate Starts for DaVinci_45:
(Start: 254 @29628 has 935 MA's), (386, 29424), (426, 29349), (427, 29346), (436, 29319), (441, 29304), (449, 29292), (474, 29241), (510, 29151), (514, 29139), (591, 29046), (605, 29007), (618, 28989), (626, 28974), (666, 28908), (681, 28875), (683, 28872), (735, 28770), (767, 28710), (798, 28626), (819, 28545), (846, 28461), (847, 28458), (850, 28449), (855, 28422), (862, 28392), (899, 28332), (910, 28293), (1003, 28077), (1004, 28074), (1007, 28053), (1060, 27918), (1065, 27906), (1071, 27897), (1073, 27894), (1111, 27801),

Gene: DaddyDaniels_62 Start: 54528, Stop: 52669, Start Num: 215
Candidate Starts for DaddyDaniels_62:
(Start: 198 @54552 has 1 MA's), (Start: 215 @54528 has 328 MA's), (Start: 245 @54504 has 14 MA's), (Start: 258 @54498 has 2 MA's), (Start: 288 @54456 has 1 MA's), (300, 54435), (360, 54321), (363, 54315), (382, 54285), (418, 54225), (425, 54204), (442, 54150), (454, 54138), (464, 54120), (469, 54108), (511, 54003), (567, 53946), (590, 53910), (594, 53898), (605, 53871), (620, 53844), (630, 53826), (641, 53808), (666, 53769), (670, 53760), (671, 53757), (783, 53499), (813, 53397), (820, 53364), (827, 53343), (856, 53250), (859, 53241), (881, 53178), (904, 53142), (905, 53139), (910, 53124), (939, 53046), (944, 53034), (950, 53013), (970, 52974), (1007, 52884), (1018, 52866), (1021, 52860), (1029, 52845), (1039, 52821), (1041, 52806), (1042, 52803), (1044, 52791), (1054, 52767), (1073, 52719), (1084, 52695),

Gene: Daffy_60 Start: 54033, Stop: 52174, Start Num: 215
Candidate Starts for Daffy_60:
(Start: 198 @54057 has 1 MA's), (Start: 215 @54033 has 328 MA's), (Start: 245 @54009 has 14 MA's), (Start: 258 @54003 has 2 MA's), (Start: 288 @53961 has 1 MA's), (300, 53940), (360, 53826), (363, 53820), (382, 53790), (418, 53730), (425, 53709), (442, 53655), (454, 53643), (464, 53625), (469, 53613), (511, 53508), (567, 53451), (590, 53415), (594, 53403), (605, 53376), (630, 53331), (666, 53274), (670, 53265), (671, 53262), (813, 52902), (820, 52869), (827, 52848), (856, 52755), (859, 52746), (881, 52683), (904, 52647), (905, 52644), (910, 52629), (939, 52551), (944, 52539), (950, 52518), (970, 52479), (1007, 52389), (1018, 52371), (1021, 52365), (1029, 52350), (1039, 52326), (1041, 52311), (1042, 52308), (1044, 52296), (1054, 52272), (1073, 52224), (1084, 52200),

Gene: Daishi_47 Start: 30725, Stop: 28911, Start Num: 254
Candidate Starts for Daishi_47:

(Start: 254 @30725 has 935 MA's), (284, 30686), (289, 30674), (386, 30521), (395, 30506), (426, 30449), (449, 30392), (455, 30383), (474, 30341), (494, 30290), (514, 30239), (568, 30185), (591, 30146), (609, 30098), (626, 30074), (647, 30035), (666, 30008), (680, 29978), (727, 29885), (734, 29873), (758, 29825), (767, 29810), (819, 29654), (836, 29603), (846, 29570), (847, 29567), (862, 29501), (875, 29462), (905, 29390), (920, 29351), (929, 29327), (935, 29309), (946, 29276), (985, 29195), (1007, 29135), (1043, 29048), (1060, 29000), (1065, 28988), (1071, 28979), (1073, 28976),

Gene: Daisy_57 Start: 53240, Stop: 51423, Start Num: 256
Candidate Starts for Daisy_57:
(137, 53423), (Start: 256 @53240 has 51 MA's), (280, 53210), (391, 53030), (463, 52877), (467, 52865), (481, 52835), (489, 52829), (511, 52766), (513, 52760), (567, 52709), (588, 52682), (590, 52673), (609, 52625), (671, 52520), (718, 52424), (747, 52373), (796, 52229), (806, 52190), (814, 52160), (820, 52133), (824, 52121), (854, 52025), (856, 52019), (859, 52010), (861, 51998), (893, 51926), (904, 51896), (910, 51878), (915, 51869), (939, 51800), (944, 51788), (950, 51767), (985, 51698), (996, 51683), (1004, 51659), (1007, 51638), (1021, 51614), (1037, 51581), (1039, 51575), (1042, 51557), (1044, 51545), (1050, 51533), (1054, 51521), (1070, 51479), (1084, 51449),

Gene: Daka_63 Start: 54549, Stop: 52690, Start Num: 215
Candidate Starts for Daka_63:
(Start: 198 @54573 has 1 MA's), (Start: 215 @54549 has 328 MA's), (Start: 245 @54525 has 14 MA's), (Start: 258 @54519 has 2 MA's), (Start: 288 @54477 has 1 MA's), (300, 54456), (360, 54342), (363, 54336), (382, 54306), (418, 54246), (425, 54225), (442, 54171), (454, 54159), (464, 54141), (469, 54129), (511, 54024), (567, 53967), (590, 53931), (594, 53919), (605, 53892), (630, 53847), (666, 53790), (670, 53781), (671, 53778), (673, 53775), (813, 53418), (820, 53385), (827, 53364), (856, 53271), (859, 53262), (881, 53199), (904, 53163), (905, 53160), (910, 53145), (939, 53067), (944, 53055), (950, 53034), (970, 52995), (1007, 52905), (1018, 52887), (1021, 52881), (1029, 52866), (1039, 52842), (1041, 52827), (1042, 52824), (1044, 52812), (1054, 52788), (1060, 52767), (1073, 52740), (1084, 52716), (1089, 52701),

Gene: Dalmatian_45 Start: 31678, Stop: 29891, Start Num: 254
Candidate Starts for Dalmatian_45:
(Start: 254 @31678 has 935 MA's), (386, 31474), (388, 31471), (391, 31465), (402, 31450), (413, 31435), (426, 31402), (427, 31399), (436, 31372), (449, 31345), (463, 31324), (514, 31192), (591, 31099), (603, 31063), (609, 31051), (618, 31042), (626, 31027), (666, 30961), (708, 30880), (732, 30832), (734, 30826), (767, 30763), (819, 30607), (836, 30556), (846, 30523), (847, 30520), (862, 30454), (875, 30415), (899, 30394), (925, 30319), (929, 30307), (975, 30193), (985, 30175), (1003, 30139), (1007, 30115), (1041, 30037), (1060, 29980), (1065, 29968), (1071, 29959),

Gene: Danforth_42 Start: 30571, Stop: 28727, Start Num: 254
Candidate Starts for Danforth_42:
(Start: 149 @30736 has 1 MA's), (Start: 254 @30571 has 935 MA's), (289, 30520), (371, 30397), (386, 30367), (413, 30328), (426, 30295), (436, 30265), (443, 30244), (449, 30238), (455, 30229), (494, 30136), (505, 30109), (514, 30085), (591, 29989), (595, 29977), (600, 29962), (609, 29941), (618, 29932), (647, 29878), (666, 29851), (690, 29803), (719, 29746), (734, 29719), (759, 29668), (768, 29653), (815, 29506), (819, 29485), (830, 29455), (834, 29437), (836, 29434), (843, 29419), (847, 29398), (850, 29389), (855, 29362), (859, 29350), (862, 29332), (904, 29251), (908, 29239), (929, 29185), (941, 29149), (971, 29080), (983, 29059), (985, 29053), (1004, 29014), (1007, 28993), (1018, 28975), (1060, 28858), (1065, 28846),

Gene: Darrell_46 Start: 31850, Stop: 30057, Start Num: 254
Candidate Starts for Darrell_46:
(Start: 254 @31850 has 935 MA's), (261, 31841), (289, 31799), (334, 31739), (349, 31712), (369, 31679), (371, 31676), (386, 31646), (391, 31637), (397, 31628), (427, 31568), (437, 31538), (441,

31526), (449, 31514), (474, 31463), (514, 31361), (591, 31268), (659, 31136), (680, 31100), (767, 30929), (785, 30902), (787, 30896), (819, 30773), (850, 30677), (855, 30650), (862, 30620), (875, 30581), (902, 30548), (904, 30539), (920, 30497), (946, 30422), (953, 30401), (1003, 30305), (1037, 30224), (1060, 30146), (1065, 30134), (1071, 30125),

Gene: DarthPhader_42 Start: 32266, Stop: 30422, Start Num: 254
Candidate Starts for DarthPhader_42:
(157, 32410), (173, 32383), (Start: 254 @32266 has 935 MA's), (334, 32155), (371, 32092), (386, 32062), (391, 32053), (413, 32020), (426, 31987), (436, 31957), (449, 31930), (463, 31909), (514, 31777), (591, 31684), (618, 31627), (626, 31612), (666, 31546), (690, 31498), (725, 31429), (767, 31348), (786, 31306), (798, 31261), (803, 31243), (819, 31180), (836, 31129), (847, 31093), (862, 31027), (875, 30988), (899, 30967), (904, 30946), (975, 30766), (1003, 30712), (1004, 30709), (1007, 30688), (1037, 30631), (1041, 30610), (1060, 30553), (1065, 30541), (1091, 30484),

Gene: Dati_60 Start: 54564, Stop: 52705, Start Num: 215
Candidate Starts for Dati_60:
(Start: 198 @54588 has 1 MA's), (Start: 215 @54564 has 328 MA's), (Start: 245 @54540 has 14 MA's), (Start: 258 @54534 has 2 MA's), (Start: 288 @54492 has 1 MA's), (300, 54471), (360, 54357), (363, 54351), (382, 54321), (418, 54261), (425, 54240), (442, 54186), (454, 54174), (464, 54156), (469, 54144), (511, 54039), (567, 53982), (590, 53946), (594, 53934), (603, 53910), (609, 53898), (620, 53880), (630, 53862), (641, 53844), (666, 53805), (670, 53796), (671, 53793), (673, 53790), (813, 53433), (820, 53400), (827, 53379), (856, 53286), (859, 53277), (881, 53214), (904, 53178), (905, 53175), (910, 53160), (939, 53082), (944, 53070), (950, 53049), (970, 53010), (1007, 52920), (1018, 52902), (1021, 52896), (1029, 52881), (1039, 52857), (1041, 52842), (1042, 52839), (1044, 52827), (1054, 52803), (1073, 52755), (1084, 52731),

Gene: Datway_44 Start: 31508, Stop: 29679, Start Num: 254
Candidate Starts for Datway_44:
(Start: 254 @31508 has 935 MA's), (289, 31457), (305, 31427), (413, 31265), (421, 31247), (426, 31232), (449, 31175), (455, 31166), (505, 31046), (514, 31022), (562, 30980), (591, 30929), (611, 30881), (626, 30860), (647, 30821), (675, 30776), (678, 30770), (719, 30689), (732, 30668), (755, 30623), (815, 30458), (819, 30437), (862, 30284), (875, 30245), (905, 30173), (910, 30158), (920, 30134), (927, 30116), (929, 30110), (931, 30104), (1007, 29903), (1060, 29768), (1065, 29756), (1071, 29747),

Gene: Dave_39 Start: 28922, Stop: 27057, Start Num: 339
Candidate Starts for Dave_39:
(Start: 275 @29009 has 3 MA's), (Start: 277 @29006 has 1 MA's), (Start: 339 @28922 has 121 MA's), (Start: 342 @28913 has 5 MA's), (392, 28808), (398, 28799), (418, 28769), (419, 28766), (472, 28646), (476, 28634), (478, 28628), (518, 28523), (525, 28496), (582, 28355), (587, 28349), (588, 28346), (591, 28334), (600, 28307), (601, 28304), (612, 28289), (634, 28283), (637, 28277), (657, 28244), (725, 28115), (749, 28055), (807, 27890), (855, 27740), (858, 27731), (859, 27728), (862, 27710), (876, 27668), (880, 27662), (884, 27653), (895, 27638), (912, 27581), (970, 27422), (982, 27392), (985, 27383), (1004, 27323), (1007, 27299), (1025, 27260), (1039, 27227), (1040, 27215), (1058, 27155),

Gene: Deano_44 Start: 31578, Stop: 29752, Start Num: 254
Candidate Starts for Deano_44:
(Start: 254 @31578 has 935 MA's), (271, 31557), (289, 31527), (305, 31497), (413, 31335), (421, 31317), (449, 31245), (455, 31236), (505, 31116), (514, 31092), (591, 30999), (611, 30951), (626, 30930), (647, 30891), (719, 30759), (732, 30738), (755, 30693), (759, 30681), (815, 30528), (819, 30507), (855, 30384), (862, 30354), (875, 30315), (904, 30249), (905, 30246), (910, 30231), (920, 30207), (929, 30183), (1007, 29976), (1060, 29841), (1065, 29829), (1071, 29820),

Gene: Deenasa_58 Start: 54545, Stop: 52728, Start Num: 256
Candidate Starts for Deenasa_58:
(137, 54728), (Start: 256 @54545 has 51 MA's), (280, 54515), (391, 54335), (463, 54182), (467, 54170), (481, 54140), (489, 54134), (511, 54071), (513, 54065), (567, 54014), (588, 53987), (590, 53978), (609, 53930), (671, 53825), (718, 53729), (747, 53678), (796, 53534), (806, 53495), (814, 53465), (820, 53438), (824, 53426), (854, 53330), (856, 53324), (859, 53315), (861, 53303), (893, 53231), (904, 53201), (910, 53183), (915, 53174), (939, 53105), (944, 53093), (950, 53072), (985, 53003), (996, 52988), (1004, 52964), (1018, 52925), (1021, 52919), (1039, 52880), (1042, 52862), (1044, 52850), (1054, 52826), (1084, 52754),

Gene: DeerParkTS_42 Start: 30812, Stop: 29025, Start Num: 254
Candidate Starts for DeerParkTS_42:
(Start: 254 @30812 has 935 MA's), (388, 30605), (391, 30599), (402, 30584), (413, 30569), (426, 30536), (436, 30506), (449, 30479), (463, 30458), (474, 30428), (514, 30326), (591, 30233), (609, 30185), (618, 30176), (626, 30161), (666, 30095), (681, 30062), (708, 30014), (732, 29966), (734, 29960), (798, 29822), (819, 29741), (836, 29690), (846, 29657), (847, 29654), (862, 29588), (875, 29549), (899, 29528), (925, 29453), (929, 29441), (956, 29363), (975, 29327), (985, 29309), (1003, 29273), (1007, 29249), (1037, 29192), (1041, 29171), (1060, 29114), (1065, 29102), (1071, 29093),

Gene: DekHockey33_47 Start: 30182, Stop: 28392, Start Num: 254
Candidate Starts for DekHockey33_47:
(Start: 254 @30182 has 935 MA's), (371, 30008), (426, 29903), (427, 29900), (436, 29873), (449, 29846), (474, 29795), (514, 29693), (591, 29600), (606, 29555), (609, 29552), (618, 29543), (708, 29381), (719, 29354), (732, 29333), (734, 29327), (788, 29228), (798, 29189), (813, 29138), (819, 29108), (836, 29057), (846, 29024), (853, 28991), (855, 28985), (862, 28955), (899, 28895), (904, 28874), (920, 28832), (930, 28805), (935, 28790), (971, 28703), (1003, 28640), (1004, 28637), (1060, 28481), (1065, 28469), (1073, 28457),

Gene: DelRivs_59 Start: 54011, Stop: 52152, Start Num: 215
Candidate Starts for DelRivs_59:
(Start: 198 @54035 has 1 MA's), (Start: 215 @54011 has 328 MA's), (Start: 245 @53987 has 14 MA's), (Start: 258 @53981 has 2 MA's), (Start: 288 @53939 has 1 MA's), (300, 53918), (360, 53804), (363, 53798), (382, 53768), (418, 53708), (425, 53687), (442, 53633), (454, 53621), (464, 53603), (469, 53591), (511, 53486), (567, 53429), (590, 53393), (594, 53381), (603, 53357), (609, 53345), (620, 53327), (630, 53309), (641, 53291), (666, 53252), (670, 53243), (671, 53240), (673, 53237), (813, 52880), (820, 52847), (827, 52826), (856, 52733), (859, 52724), (881, 52661), (904, 52625), (905, 52622), (910, 52607), (939, 52529), (944, 52517), (950, 52496), (970, 52457), (1007, 52367), (1018, 52349), (1021, 52343), (1029, 52328), (1039, 52304), (1041, 52289), (1042, 52286), (1044, 52274), (1054, 52250), (1073, 52202), (1084, 52178),

Gene: Deloris_43 Start: 30897, Stop: 29110, Start Num: 254
Candidate Starts for Deloris_43:
(Start: 254 @30897 has 935 MA's), (386, 30693), (388, 30690), (391, 30684), (402, 30669), (413, 30654), (426, 30621), (427, 30618), (436, 30591), (449, 30564), (463, 30543), (474, 30513), (514, 30411), (591, 30318), (594, 30309), (609, 30270), (618, 30261), (626, 30246), (666, 30180), (708, 30099), (732, 30051), (734, 30045), (798, 29907), (819, 29826), (836, 29775), (846, 29742), (847, 29739), (862, 29673), (875, 29634), (899, 29613), (925, 29538), (931, 29520), (946, 29475), (956, 29448), (975, 29412), (985, 29394), (1003, 29358), (1007, 29334), (1037, 29277), (1060, 29199), (1065, 29187),

Gene: Delphidian_39 Start: 28933, Stop: 27068, Start Num: 339
Candidate Starts for Delphidian_39:

(Start: 275 @29020 has 3 MA's), (Start: 339 @28933 has 121 MA's), (Start: 342 @28924 has 5 MA's), (392, 28819), (398, 28810), (418, 28780), (419, 28777), (472, 28657), (476, 28645), (478, 28639), (518, 28534), (525, 28507), (582, 28366), (587, 28360), (588, 28357), (591, 28345), (600, 28318), (601, 28315), (612, 28300), (634, 28294), (637, 28288), (657, 28255), (725, 28126), (749, 28066), (855, 27751), (858, 27742), (859, 27739), (862, 27721), (876, 27679), (880, 27673), (884, 27664), (895, 27649), (912, 27592), (970, 27433), (982, 27403), (985, 27394), (1004, 27334), (1007, 27310), (1025, 27271), (1039, 27238), (1040, 27226), (1058, 27166),

Gene: DelvinSonDorr_44 Start: 29641, Stop: 27800, Start Num: 254
Candidate Starts for DelvinSonDorr_44:
(Start: 254 @29641 has 935 MA's), (386, 29437), (426, 29362), (427, 29359), (436, 29332), (441, 29317), (449, 29305), (474, 29254), (510, 29164), (514, 29152), (591, 29059), (605, 29020), (618, 29002), (626, 28987), (666, 28921), (681, 28888), (683, 28885), (735, 28783), (767, 28723), (798, 28639), (819, 28558), (846, 28474), (847, 28471), (850, 28462), (855, 28435), (862, 28405), (899, 28345), (910, 28306), (1003, 28090), (1004, 28087), (1007, 28066), (1060, 27931), (1065, 27919), (1071, 27910), (1073, 27907), (1111, 27814),

Gene: Den3_39 Start: 28939, Stop: 27074, Start Num: 339
Candidate Starts for Den3_39:
(Start: 275 @29026 has 3 MA's), (Start: 277 @29023 has 1 MA's), (324, 28954), (Start: 339 @28939 has 121 MA's), (Start: 342 @28930 has 5 MA's), (392, 28825), (398, 28816), (418, 28786), (419, 28783), (472, 28663), (476, 28651), (478, 28645), (518, 28540), (525, 28513), (582, 28372), (588, 28363), (591, 28351), (600, 28324), (601, 28321), (612, 28306), (634, 28300), (637, 28294), (657, 28261), (749, 28072), (855, 27757), (858, 27748), (859, 27745), (862, 27727), (876, 27685), (880, 27679), (895, 27655), (912, 27598), (970, 27439), (982, 27409), (985, 27400), (1004, 27340), (1007, 27316), (1025, 27277), (1039, 27244), (1040, 27232), (1058, 27172),

Gene: Derpp_60 Start: 54131, Stop: 52272, Start Num: 215
Candidate Starts for Derpp_60:
(Start: 198 @54155 has 1 MA's), (Start: 215 @54131 has 328 MA's), (Start: 245 @54107 has 14 MA's), (Start: 258 @54101 has 2 MA's), (Start: 288 @54059 has 1 MA's), (300, 54038), (360, 53924), (363, 53918), (382, 53888), (418, 53828), (425, 53807), (442, 53753), (454, 53741), (464, 53723), (469, 53711), (511, 53606), (567, 53549), (590, 53513), (594, 53501), (603, 53477), (609, 53465), (620, 53447), (630, 53429), (641, 53411), (666, 53372), (670, 53363), (671, 53360), (673, 53357), (783, 53102), (813, 53000), (820, 52967), (827, 52946), (856, 52853), (859, 52844), (881, 52781), (904, 52745), (905, 52742), (910, 52727), (939, 52649), (944, 52637), (950, 52616), (970, 52577), (1007, 52487), (1018, 52469), (1021, 52463), (1029, 52448), (1039, 52424), (1041, 52409), (1042, 52406), (1044, 52394), (1054, 52370), (1060, 52349), (1073, 52322), (1084, 52298), (1089, 52283),

Gene: Devonte_57 Start: 53319, Stop: 51502, Start Num: 256
Candidate Starts for Devonte_57:
(137, 53502), (Start: 256 @53319 has 51 MA's), (280, 53289), (391, 53109), (463, 52956), (467, 52944), (481, 52914), (489, 52908), (511, 52845), (513, 52839), (567, 52788), (588, 52761), (590, 52752), (609, 52704), (671, 52599), (718, 52503), (747, 52452), (796, 52308), (806, 52269), (814, 52239), (820, 52212), (824, 52200), (854, 52104), (856, 52098), (859, 52089), (861, 52077), (893, 52005), (904, 51975), (910, 51957), (915, 51948), (939, 51879), (944, 51867), (950, 51846), (985, 51777), (996, 51762), (1004, 51738), (1007, 51717), (1018, 51699), (1021, 51693), (1037, 51660), (1039, 51654), (1042, 51636), (1044, 51624), (1050, 51612), (1054, 51600), (1070, 51558), (1084, 51528),

Gene: Dewdrop_95 Start: 58518, Stop: 60557, Start Num: 250
Candidate Starts for Dewdrop_95:

(Start: 250 @58518 has 5 MA's), (323, 58629), (326, 58632), (Start: 342 @58659 has 5 MA's), (364, 58716), (379, 58752), (401, 58791), (427, 58845), (431, 58857), (434, 58866), (448, 58902), (472, 58962), (477, 58977), (483, 58989), (497, 59034), (509, 59064), (544, 59178), (591, 59271), (592, 59274), (595, 59283), (601, 59301), (683, 59409), (714, 59463), (719, 59475), (745, 59541), (772, 59610), (830, 59763), (855, 59847), (862, 59877), (911, 60009), (912, 60012), (921, 60048), (933, 60081), (946, 60120), (1004, 60270), (1007, 60294), (1009, 60300), (1015, 60315), (1030, 60345), (1051, 60423), (1058, 60444), (1065, 60474), (1081, 60516), (1098, 60552),

Gene: Dexes_45 Start: 35367, Stop: 33580, Start Num: 254
Candidate Starts for Dexes_45:
(Start: 254 @35367 has 935 MA's), (391, 35154), (400, 35139), (426, 35091), (436, 35061), (443, 35040), (449, 35034), (455, 35025), (504, 34908), (514, 34881), (591, 34788), (596, 34773), (609, 34740), (639, 34689), (641, 34686), (680, 34620), (701, 34590), (711, 34560), (734, 34515), (755, 34476), (819, 34296), (834, 34248), (836, 34245), (847, 34209), (862, 34143), (902, 34071), (904, 34062), (935, 33978), (971, 33891), (1029, 33765), (1035, 33753), (1060, 33669), (1063, 33663),

Gene: Dhanush_45 Start: 31573, Stop: 29747, Start Num: 254
Candidate Starts for Dhanush_45:
(Start: 254 @31573 has 935 MA's), (271, 31552), (289, 31522), (305, 31492), (413, 31330), (421, 31312), (449, 31240), (455, 31231), (505, 31111), (514, 31087), (591, 30994), (611, 30946), (626, 30925), (647, 30886), (719, 30754), (732, 30733), (755, 30688), (759, 30676), (815, 30523), (819, 30502), (855, 30379), (862, 30349), (875, 30310), (904, 30244), (905, 30241), (910, 30226), (920, 30202), (929, 30178), (1007, 29971), (1060, 29836), (1065, 29824), (1071, 29815),

Gene: Dice_59 Start: 54016, Stop: 52157, Start Num: 215
Candidate Starts for Dice_59:
(Start: 198 @54040 has 1 MA's), (Start: 215 @54016 has 328 MA's), (Start: 245 @53992 has 14 MA's), (Start: 258 @53986 has 2 MA's), (Start: 288 @53944 has 1 MA's), (300, 53923), (360, 53809), (363, 53803), (382, 53773), (418, 53713), (425, 53692), (442, 53638), (454, 53626), (464, 53608), (469, 53596), (511, 53491), (567, 53434), (590, 53398), (594, 53386), (605, 53359), (620, 53332), (630, 53314), (641, 53296), (666, 53257), (670, 53248), (671, 53245), (813, 52885), (820, 52852), (827, 52831), (856, 52738), (859, 52729), (881, 52666), (904, 52630), (905, 52627), (910, 52612), (939, 52534), (944, 52522), (950, 52501), (970, 52462), (1007, 52372), (1018, 52354), (1021, 52348), (1029, 52333), (1039, 52309), (1041, 52294), (1042, 52291), (1044, 52279), (1054, 52255), (1073, 52207), (1084, 52183),

Gene: DickRichards_41 Start: 29838, Stop: 31712, Start Num: 241
Candidate Starts for DickRichards_41:
(Start: 241 @29838 has 65 MA's), (Start: 299 @29907 has 1 MA's), (315, 29928), (455, 30174), (464, 30189), (474, 30216), (647, 30510), (719, 30645), (766, 30744), (804, 30867), (819, 30927), (822, 30933), (836, 30978), (843, 30993), (845, 31008), (853, 31044), (862, 31080), (903, 31173), (936, 31266), (967, 31344), (1003, 31416), (1012, 31455), (1037, 31497), (1040, 31515), (1053, 31551), (1060, 31575), (1071, 31596),

Gene: Didgeridoo_45 Start: 30205, Stop: 32079, Start Num: 241
Candidate Starts for Didgeridoo_45:
(Start: 241 @30205 has 65 MA's), (Start: 299 @30274 has 1 MA's), (315, 30295), (455, 30541), (464, 30556), (501, 30637), (647, 30877), (766, 31111), (803, 31231), (804, 31234), (819, 31294), (843, 31360), (845, 31375), (853, 31411), (862, 31447), (903, 31540), (967, 31711), (969, 31714), (1003, 31783), (1012, 31822), (1037, 31864), (1040, 31882), (1053, 31918), (1060, 31942), (1071, 31963),

Gene: Dieselweasel_49 Start: 31855, Stop: 30041, Start Num: 254
Candidate Starts for Dieselweasel_49:

(Start: 254 @31855 has 935 MA's), (284, 31816), (289, 31804), (386, 31651), (395, 31636), (426, 31579), (449, 31522), (455, 31513), (474, 31471), (494, 31420), (514, 31369), (591, 31276), (609, 31228), (618, 31219), (626, 31204), (647, 31165), (666, 31138), (680, 31108), (727, 31015), (758, 30955), (767, 30940), (819, 30784), (847, 30697), (862, 30631), (875, 30592), (905, 30520), (920, 30481), (929, 30457), (935, 30439), (946, 30406), (956, 30379), (985, 30325), (1007, 30265), (1041, 30187), (1060, 30130), (1065, 30118), (1071, 30109),

Gene: DigitDog_58 Start: 54425, Stop: 52578, Start Num: 199
Candidate Starts for DigitDog_58:
(22, 54914), (23, 54908), (31, 54857), (35, 54839), (72, 54701), (155, 54491), (199, 54425), (257, 54377), (280, 54350), (313, 54299), (390, 54179), (418, 54131), (464, 54029), (487, 53987), (498, 53951), (511, 53921), (590, 53828), (603, 53792), (609, 53780), (620, 53762), (671, 53675), (725, 53570), (774, 53447), (797, 53381), (800, 53363), (814, 53315), (820, 53288), (854, 53180), (856, 53174), (859, 53165), (863, 53144), (893, 53081), (905, 53048), (910, 53033), (933, 52973), (939, 52955), (944, 52943), (950, 52922), (953, 52913), (955, 52910), (962, 52898), (1007, 52793), (1018, 52775), (1021, 52769), (1039, 52730), (1041, 52715), (1042, 52712), (1050, 52688), (1054, 52676), (1055, 52673), (1084, 52604),

Gene: Dignity_46 Start: 31741, Stop: 29954, Start Num: 254
Candidate Starts for Dignity_46:
(Start: 254 @31741 has 935 MA's), (388, 31534), (391, 31528), (402, 31513), (413, 31498), (427, 31462), (436, 31435), (449, 31408), (463, 31387), (514, 31255), (591, 31162), (609, 31114), (618, 31105), (626, 31090), (666, 31024), (708, 30943), (732, 30895), (734, 30889), (819, 30670), (836, 30619), (846, 30586), (847, 30583), (862, 30517), (875, 30478), (899, 30457), (925, 30382), (929, 30370), (946, 30319), (975, 30256), (985, 30238), (1003, 30202), (1007, 30178), (1041, 30100), (1060, 30043), (1065, 30031), (1071, 30022),

Gene: Dinger_36 Start: 28097, Stop: 26313, Start Num: 254
Candidate Starts for Dinger_36:
(Start: 254 @28097 has 935 MA's), (369, 27926), (407, 27863), (425, 27824), (426, 27821), (441, 27776), (449, 27764), (455, 27755), (514, 27611), (591, 27518), (647, 27407), (666, 27380), (719, 27275), (734, 27248), (755, 27209), (819, 27029), (834, 26981), (862, 26876), (863, 26873), (899, 26816), (904, 26795), (923, 26747), (948, 26672), (983, 26603), (1003, 26561), (1004, 26558), (1007, 26537), (1012, 26522), (1041, 26459), (1060, 26402), (1065, 26390), (1085, 26351), (1091, 26333),

Gene: Dingo_59 Start: 53575, Stop: 51716, Start Num: 215
Candidate Starts for Dingo_59:
(Start: 198 @53599 has 1 MA's), (Start: 215 @53575 has 328 MA's), (Start: 245 @53551 has 14 MA's), (Start: 258 @53545 has 2 MA's), (280, 53518), (Start: 288 @53503 has 1 MA's), (300, 53482), (360, 53368), (363, 53362), (382, 53332), (418, 53272), (425, 53251), (442, 53197), (454, 53185), (464, 53167), (469, 53155), (511, 53050), (567, 52993), (590, 52957), (594, 52945), (605, 52918), (609, 52909), (630, 52873), (666, 52816), (670, 52807), (671, 52804), (673, 52801), (813, 52444), (820, 52411), (827, 52390), (856, 52297), (859, 52288), (881, 52225), (904, 52189), (905, 52186), (910, 52171), (939, 52093), (944, 52081), (950, 52060), (970, 52021), (1007, 51931), (1018, 51913), (1021, 51907), (1029, 51892), (1039, 51868), (1041, 51853), (1042, 51850), (1044, 51838), (1054, 51814), (1073, 51766), (1084, 51742),

Gene: Dione_58 Start: 53747, Stop: 51888, Start Num: 215
Candidate Starts for Dione_58:
(Start: 198 @53771 has 1 MA's), (Start: 215 @53747 has 328 MA's), (Start: 245 @53723 has 14 MA's), (Start: 258 @53717 has 2 MA's), (Start: 288 @53675 has 1 MA's), (300, 53654), (360, 53540), (363, 53534), (382, 53504), (418, 53444), (425, 53423), (442, 53369), (454, 53357), (464, 53339), (469, 53327), (511, 53222), (567, 53165), (590, 53129), (594, 53117), (603, 53093), (609, 53081),

(620, 53063), (630, 53045), (641, 53027), (666, 52988), (670, 52979), (671, 52976), (673, 52973), (813, 52616), (820, 52583), (827, 52562), (856, 52469), (859, 52460), (881, 52397), (904, 52361), (905, 52358), (910, 52343), (939, 52265), (944, 52253), (950, 52232), (970, 52193), (1007, 52103), (1018, 52085), (1021, 52079), (1029, 52064), (1039, 52040), (1041, 52025), (1042, 52022), (1044, 52010), (1054, 51986), (1073, 51938), (1084, 51914),

Gene: DirtDevil_46 Start: 35357, Stop: 33531, Start Num: 254
Candidate Starts for DirtDevil_46:
(Start: 254 @35357 has 935 MA's), (391, 35144), (400, 35129), (436, 35051), (443, 35030), (449, 35024), (455, 35015), (504, 34898), (514, 34871), (591, 34778), (596, 34763), (639, 34679), (641, 34676), (680, 34610), (711, 34550), (734, 34505), (755, 34466), (819, 34286), (834, 34238), (847, 34199), (862, 34133), (875, 34094), (899, 34073), (904, 34052), (910, 34034), (935, 33968), (1000, 33827), (1003, 33818), (1004, 33815), (1012, 33779), (1029, 33755), (1034, 33746), (1038, 33734), (1060, 33659), (1071, 33638),

Gene: DirtJuice_61 Start: 54337, Stop: 52478, Start Num: 215
Candidate Starts for DirtJuice_61:
(Start: 198 @54361 has 1 MA's), (Start: 215 @54337 has 328 MA's), (Start: 245 @54313 has 14 MA's), (Start: 258 @54307 has 2 MA's), (Start: 288 @54265 has 1 MA's), (300, 54244), (360, 54130), (363, 54124), (382, 54094), (418, 54034), (425, 54013), (442, 53959), (454, 53947), (464, 53929), (469, 53917), (511, 53812), (567, 53755), (590, 53719), (594, 53707), (603, 53683), (609, 53671), (620, 53653), (630, 53635), (641, 53617), (666, 53578), (670, 53569), (671, 53566), (673, 53563), (783, 53308), (813, 53206), (820, 53173), (827, 53152), (856, 53059), (859, 53050), (881, 52987), (905, 52948), (910, 52933), (939, 52855), (944, 52843), (950, 52822), (970, 52783), (1007, 52693), (1018, 52675), (1021, 52669), (1029, 52654), (1039, 52630), (1041, 52615), (1042, 52612), (1044, 52600), (1054, 52576), (1073, 52528), (1084, 52504),

Gene: DirtyBubble_42 Start: 30299, Stop: 32173, Start Num: 241
Candidate Starts for DirtyBubble_42:
(Start: 241 @30299 has 65 MA's), (Start: 299 @30368 has 1 MA's), (315, 30389), (455, 30635), (464, 30650), (474, 30677), (602, 30890), (609, 30905), (647, 30971), (766, 31205), (803, 31325), (804, 31328), (819, 31388), (822, 31394), (836, 31439), (845, 31469), (853, 31505), (862, 31541), (903, 31634), (936, 31727), (967, 31805), (969, 31808), (1003, 31877), (1007, 31901), (1012, 31916), (1037, 31958), (1040, 31976), (1060, 32036), (1071, 32057),

Gene: DirtyDunning_44 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for DirtyDunning_44:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Discoknowium_37 Start: 30143, Stop: 28284, Start Num: 254
Candidate Starts for Discoknowium_37:
(Start: 254 @30143 has 935 MA's), (289, 30092), (334, 30032), (371, 29969), (386, 29939), (388, 29936), (422, 29879), (426, 29867), (436, 29837), (449, 29810), (514, 29657), (591, 29561), (609, 29513), (625, 29492), (659, 29429), (666, 29423), (706, 29351), (719, 29318), (727, 29303), (734, 29291), (783, 29192), (819, 29057), (830, 29027), (834, 29009), (843, 28991), (847, 28970), (850, 28961), (862, 28904), (875, 28865), (904, 28823), (910, 28805), (929, 28757), (946, 28706), (971, 28652), (975, 28643), (985, 28625), (1007, 28565), (1018, 28547), (1053, 28454), (1060, 28430), (1065, 28418), (1116, 28301), (1118, 28298),

Gene: Dismas_40 Start: 29921, Stop: 31792, Start Num: 241
Candidate Starts for Dismas_40:
(Start: 241 @29921 has 65 MA's), (373, 30104), (395, 30143), (415, 30161), (439, 30233), (455, 30257), (463, 30269), (464, 30272), (501, 30353), (621, 30545), (647, 30593), (702, 30683), (766, 30824), (804, 30947), (819, 31007), (843, 31073), (845, 31088), (853, 31124), (856, 31133), (862, 31160), (903, 31253), (936, 31346), (967, 31424), (1003, 31496), (1012, 31535), (1037, 31577), (1053, 31631), (1060, 31655), (1071, 31676), (1081, 31700),

Gene: Dixon_43 Start: 30751, Stop: 28907, Start Num: 254
Candidate Starts for Dixon_43:
(Start: 254 @30751 has 935 MA's), (289, 30700), (386, 30547), (413, 30508), (426, 30475), (436, 30445), (443, 30424), (449, 30418), (455, 30409), (494, 30316), (514, 30265), (591, 30169), (600, 30142), (606, 30124), (609, 30121), (618, 30112), (647, 30058), (666, 30031), (690, 29983), (719, 29926), (734, 29899), (759, 29848), (768, 29833), (815, 29686), (819, 29665), (830, 29635), (834, 29617), (836, 29614), (843, 29599), (847, 29578), (850, 29569), (855, 29542), (859, 29530), (862, 29512), (904, 29431), (908, 29419), (929, 29365), (941, 29329), (971, 29260), (983, 29239), (985, 29233), (1004, 29194), (1007, 29173), (1018, 29155), (1060, 29038), (1065, 29026),

Gene: Doddsville_61 Start: 54283, Stop: 52424, Start Num: 215
Candidate Starts for Doddsville_61:
(Start: 198 @54307 has 1 MA's), (Start: 215 @54283 has 328 MA's), (Start: 245 @54259 has 14 MA's), (Start: 258 @54253 has 2 MA's), (Start: 288 @54211 has 1 MA's), (300, 54190), (360, 54076), (363, 54070), (382, 54040), (418, 53980), (425, 53959), (442, 53905), (454, 53893), (464, 53875), (469, 53863), (511, 53758), (567, 53701), (590, 53665), (594, 53653), (603, 53629), (609, 53617), (620, 53599), (630, 53581), (641, 53563), (666, 53524), (670, 53515), (671, 53512), (673, 53509), (813, 53152), (820, 53119), (827, 53098), (856, 53005), (859, 52996), (881, 52933), (904, 52897), (905, 52894), (910, 52879), (939, 52801), (944, 52789), (950, 52768), (970, 52729), (1007, 52639), (1018, 52621), (1021, 52615), (1029, 52600), (1039, 52576), (1041, 52561), (1042, 52558), (1044, 52546), (1054, 52522), (1073, 52474), (1084, 52450),

Gene: Dodo_119 Start: 82152, Stop: 80272, Start Num: 246
Candidate Starts for Dodo_119:
(205, 82215), (207, 82209), (237, 82161), (Start: 246 @82152 has 3 MA's), (Start: 259 @82140 has 2 MA's), (373, 81942), (388, 81915), (418, 81876), (438, 81813), (454, 81795), (467, 81768), (470, 81762), (517, 81654), (594, 81576), (601, 81555), (615, 81522), (632, 81492), (647, 81465), (681, 81405), (736, 81300), (755, 81267), (787, 81198), (790, 81189), (819, 81078), (852, 80964), (873, 80880), (879, 80865), (906, 80790), (920, 80754), (923, 80748), (927, 80736), (932, 80721), (972, 80619), (976, 80610), (1007, 80520), (1029, 80481), (1035, 80469), (1041, 80442), (1060, 80385), (1075, 80361),

Gene: DoesntMatter_58 Start: 54040, Stop: 52181, Start Num: 215
Candidate Starts for DoesntMatter_58:
(Start: 198 @54064 has 1 MA's), (Start: 215 @54040 has 328 MA's), (Start: 245 @54016 has 14 MA's), (Start: 258 @54010 has 2 MA's), (Start: 288 @53968 has 1 MA's), (300, 53947), (360, 53833), (363, 53827), (382, 53797), (418, 53737), (425, 53716), (442, 53662), (454, 53650), (464, 53632), (469, 53620), (511, 53515), (567, 53458), (590, 53422), (594, 53410), (605, 53383), (620, 53356), (630, 53338), (641, 53320), (666, 53281), (670, 53272), (671, 53269), (673, 53266), (813, 52909), (820, 52876), (827, 52855), (856, 52762), (859, 52753), (881, 52690), (904, 52654), (905, 52651), (910, 52636), (939, 52558), (944, 52546), (950, 52525), (970, 52486), (1007, 52396), (1018, 52378), (1021, 52372), (1029, 52357), (1039, 52333), (1041, 52318), (1042, 52315), (1044, 52303), (1054, 52279), (1073, 52231), (1084, 52207),

Gene: DolOn_66 Start: 55495, Stop: 53636, Start Num: 215

Candidate Starts for DolOn_66:
(Start: 198 @55519 has 1 MA's), (Start: 215 @55495 has 328 MA's), (Start: 245 @55471 has 14 MA's), (Start: 258 @55465 has 2 MA's), (Start: 288 @55423 has 1 MA's), (300, 55402), (360, 55288), (363, 55282), (382, 55252), (418, 55192), (425, 55171), (442, 55117), (454, 55105), (464, 55087), (469, 55075), (511, 54970), (567, 54913), (590, 54877), (594, 54865), (605, 54838), (620, 54811), (630, 54793), (641, 54775), (666, 54736), (670, 54727), (671, 54724), (783, 54466), (813, 54364), (820, 54331), (827, 54310), (856, 54217), (859, 54208), (881, 54145), (904, 54109), (905, 54106), (910, 54091), (939, 54013), (944, 54001), (950, 53980), (970, 53941), (1007, 53851), (1018, 53833), (1021, 53827), (1029, 53812), (1039, 53788), (1041, 53773), (1042, 53770), (1044, 53758), (1054, 53734), (1073, 53686), (1084, 53662),

Gene: DonSanchon_58 Start: 53730, Stop: 51871, Start Num: 215
Candidate Starts for DonSanchon_58:
(Start: 198 @53754 has 1 MA's), (Start: 215 @53730 has 328 MA's), (Start: 245 @53706 has 14 MA's), (Start: 258 @53700 has 2 MA's), (Start: 288 @53658 has 1 MA's), (300, 53637), (360, 53523), (363, 53517), (382, 53487), (418, 53427), (425, 53406), (442, 53352), (454, 53340), (464, 53322), (469, 53310), (511, 53205), (567, 53148), (590, 53112), (594, 53100), (605, 53073), (630, 53028), (666, 52971), (670, 52962), (671, 52959), (813, 52599), (820, 52566), (827, 52545), (856, 52452), (859, 52443), (881, 52380), (904, 52344), (905, 52341), (910, 52326), (939, 52248), (944, 52236), (950, 52215), (970, 52176), (1007, 52086), (1018, 52068), (1021, 52062), (1029, 52047), (1039, 52023), (1041, 52008), (1042, 52005), (1044, 51993), (1054, 51969), (1073, 51921), (1084, 51897),

Gene: Donkey_38 Start: 27592, Stop: 29574, Start Num: 253
Candidate Starts for Donkey_38:
(Start: 253 @27592 has 33 MA's), (371, 27766), (415, 27829), (427, 27862), (463, 27937), (568, 28165), (647, 28339), (732, 28495), (788, 28633), (812, 28720), (819, 28753), (830, 28783), (847, 28840), (862, 28906), (903, 28999), (1007, 29266), (1021, 29290), (1060, 29401), (1107, 29509),

Gene: Donny_59 Start: 54516, Stop: 52690, Start Num: 208
Candidate Starts for Donny_59:
(Start: 208 @54516 has 32 MA's), (280, 54462), (321, 54402), (390, 54291), (418, 54243), (464, 54141), (477, 54111), (487, 54099), (498, 54063), (511, 54033), (590, 53940), (594, 53928), (603, 53904), (609, 53892), (620, 53874), (658, 53811), (671, 53787), (673, 53784), (725, 53682), (797, 53493), (800, 53475), (806, 53457), (814, 53427), (820, 53400), (854, 53292), (856, 53286), (859, 53277), (863, 53256), (893, 53193), (905, 53160), (910, 53145), (933, 53085), (939, 53067), (944, 53055), (950, 53034), (953, 53025), (955, 53022), (1007, 52905), (1021, 52881), (1039, 52842), (1041, 52827), (1042, 52824), (1050, 52800), (1054, 52788), (1055, 52785), (1060, 52767), (1075, 52737), (1084, 52716), (1091, 52695),

Gene: DontArgue_43 Start: 30359, Stop: 28536, Start Num: 254
Candidate Starts for DontArgue_43:
(Start: 254 @30359 has 935 MA's), (289, 30308), (422, 30095), (449, 30026), (455, 30017), (488, 29945), (494, 29924), (505, 29897), (514, 29873), (591, 29780), (605, 29741), (647, 29672), (666, 29645), (726, 29528), (755, 29474), (787, 29417), (819, 29294), (843, 29228), (855, 29171), (862, 29141), (875, 29102), (905, 29030), (910, 29015), (920, 28991), (930, 28964), (935, 28949), (946, 28916), (1007, 28760), (1021, 28736), (1060, 28625), (1065, 28613), (1071, 28604),

Gene: Doobus_41 Start: 29222, Stop: 31096, Start Num: 241
Candidate Starts for Doobus_41:
(Start: 238 @29219 has 7 MA's), (Start: 241 @29222 has 65 MA's), (Start: 299 @29291 has 1 MA's), (315, 29312), (455, 29558), (474, 29600), (602, 29813), (647, 29894), (766, 30128), (804, 30251), (819, 30311), (822, 30317), (836, 30362), (843, 30377), (845, 30392), (853, 30428), (862, 30464), (903, 30557), (936, 30650), (967, 30728), (1003, 30800), (1012, 30839), (1037, 30881), (1040, 30899),

(1053, 30935), (1060, 30959), (1071, 30980),

Gene: Doom_45 Start: 35111, Stop: 33285, Start Num: 254
Candidate Starts for Doom_45:
(Start: 254 @35111 has 935 MA's), (391, 34898), (436, 34805), (443, 34784), (449, 34778), (455, 34769), (504, 34652), (514, 34625), (591, 34532), (596, 34517), (639, 34433), (641, 34430), (680, 34364), (701, 34334), (711, 34304), (734, 34259), (755, 34220), (819, 34040), (830, 34010), (834, 33992), (836, 33989), (847, 33953), (862, 33887), (904, 33806), (905, 33803), (935, 33722), (1003, 33572), (1004, 33569), (1012, 33533), (1029, 33509), (1034, 33500), (1038, 33488), (1043, 33461), (1060, 33413), (1071, 33392),

Gene: Dorothea_45 Start: 29646, Stop: 27805, Start Num: 254
Candidate Starts for Dorothea_45:
(Start: 254 @29646 has 935 MA's), (386, 29442), (426, 29367), (427, 29364), (436, 29337), (441, 29322), (449, 29310), (474, 29259), (510, 29169), (514, 29157), (591, 29064), (605, 29025), (618, 29007), (626, 28992), (666, 28926), (681, 28893), (683, 28890), (735, 28788), (767, 28728), (798, 28644), (819, 28563), (846, 28479), (847, 28476), (850, 28467), (855, 28440), (862, 28410), (899, 28350), (910, 28311), (1003, 28095), (1004, 28092), (1007, 28071), (1060, 27936), (1065, 27924), (1071, 27915), (1073, 27912), (1111, 27819),

Gene: Dothraki_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for Dothraki_39:
(Start: 275 @29017 has 3 MA's), (Start: 277 @29014 has 1 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (749, 28063), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (884, 27661), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: DrFeelGood_43 Start: 34795, Stop: 32969, Start Num: 254
Candidate Starts for DrFeelGood_43:
(Start: 254 @34795 has 935 MA's), (391, 34582), (400, 34567), (436, 34489), (443, 34468), (449, 34462), (455, 34453), (504, 34336), (514, 34309), (517, 34300), (591, 34216), (596, 34201), (609, 34168), (639, 34117), (641, 34114), (680, 34048), (701, 34018), (711, 33988), (734, 33943), (755, 33904), (819, 33724), (830, 33694), (834, 33676), (836, 33673), (847, 33637), (862, 33571), (904, 33490), (905, 33487), (935, 33406), (1003, 33256), (1004, 33253), (1012, 33217), (1029, 33193), (1034, 33184), (1038, 33172), (1043, 33145), (1060, 33097), (1071, 33076),

Gene: DrManhattan_40 Start: 27782, Stop: 29692, Start Num: 254
Candidate Starts for DrManhattan_40:
(151, 27644), (Start: 254 @27782 has 935 MA's), (Start: 288 @27830 has 1 MA's), (436, 28079), (479, 28169), (593, 28421), (596, 28430), (647, 28529), (657, 28544), (697, 28613), (732, 28682), (788, 28820), (819, 28940), (830, 28970), (841, 29003), (847, 29027), (862, 29093), (918, 29228), (929, 29258), (1003, 29429), (1018, 29471), (1035, 29504), (1060, 29588), (1064, 29597), (1071, 29609),

Gene: DrSierra_39 Start: 27819, Stop: 29663, Start Num: 254
Candidate Starts for DrSierra_39:
(Start: 254 @27819 has 935 MA's), (386, 28023), (411, 28050), (436, 28116), (479, 28206), (593, 28392), (596, 28401), (606, 28431), (647, 28500), (657, 28515), (732, 28653), (788, 28791), (819, 28911), (830, 28941), (847, 28998), (862, 29064), (929, 29229), (1003, 29400), (1060, 29559), (1064, 29568), (1099, 29646),

Gene: Drake55_46 Start: 31661, Stop: 29874, Start Num: 254
Candidate Starts for Drake55_46:
(Start: 254 @31661 has 935 MA's), (386, 31457), (388, 31454), (391, 31448), (413, 31418), (426, 31385), (427, 31382), (436, 31355), (449, 31328), (474, 31277), (514, 31175), (591, 31082), (609, 31034), (618, 31025), (626, 31010), (666, 30944), (708, 30863), (732, 30815), (798, 30671), (819, 30590), (836, 30539), (846, 30506), (862, 30437), (875, 30398), (899, 30377), (904, 30356), (908, 30344), (983, 30164), (985, 30158), (1003, 30122), (1007, 30098), (1041, 30020), (1060, 29963), (1065, 29951),

Gene: Drake94_42 Start: 30378, Stop: 28546, Start Num: 254
Candidate Starts for Drake94_42:
(Start: 254 @30378 has 935 MA's), (289, 30327), (338, 30261), (386, 30174), (391, 30165), (422, 30114), (426, 30102), (449, 30045), (488, 29964), (491, 29952), (494, 29943), (505, 29916), (514, 29892), (591, 29799), (605, 29760), (647, 29691), (666, 29664), (734, 29532), (819, 29304), (843, 29238), (855, 29181), (862, 29151), (875, 29112), (905, 29040), (910, 29025), (920, 29001), (935, 28959), (946, 28926), (1007, 28770), (1021, 28746), (1043, 28683), (1060, 28635), (1065, 28623), (1071, 28614),

Gene: Dre3_38 Start: 31347, Stop: 28987, Start Num: 57
Candidate Starts for Dre3_38:
(44, 31371), (Start: 57 @31347 has 26 MA's), (63, 31332), (74, 31296), (152, 31125), (165, 31101), (Start: 342 @30864 has 5 MA's), (367, 30807), (392, 30768), (406, 30747), (434, 30681), (459, 30627), (469, 30606), (476, 30585), (541, 30387), (560, 30345), (569, 30327), (581, 30309), (598, 30264), (609, 30246), (611, 30243), (664, 30207), (733, 30114), (754, 30069), (768, 30042), (774, 30030), (778, 30018), (816, 29877), (841, 29808), (852, 29757), (859, 29733), (862, 29715), (864, 29706), (874, 29679), (876, 29673), (880, 29667), (883, 29661), (905, 29604), (912, 29580), (925, 29535), (926, 29532), (947, 29469), (991, 29361), (1009, 29292), (1013, 29280), (1027, 29256), (1049, 29181), (1050, 29178), (1058, 29154), (1064, 29130), (1072, 29109), (1081, 29085), (1101, 29040), (1108, 29022),

Gene: DreamCatcher_47 Start: 35708, Stop: 33882, Start Num: 254
Candidate Starts for DreamCatcher_47:
(Start: 254 @35708 has 935 MA's), (391, 35495), (400, 35480), (426, 35432), (436, 35402), (443, 35381), (449, 35375), (455, 35366), (474, 35324), (504, 35249), (514, 35222), (591, 35129), (596, 35114), (609, 35081), (639, 35030), (641, 35027), (680, 34961), (701, 34931), (711, 34901), (734, 34856), (755, 34817), (819, 34637), (830, 34607), (834, 34589), (847, 34550), (862, 34484), (875, 34445), (899, 34424), (904, 34403), (910, 34385), (935, 34319), (1003, 34169), (1004, 34166), (1012, 34130), (1029, 34106), (1034, 34097), (1038, 34085), (1060, 34010), (1071, 33989),

Gene: DreamTeam1_42 Start: 30708, Stop: 28915, Start Num: 254
Candidate Starts for DreamTeam1_42:
(Start: 254 @30708 has 935 MA's), (261, 30699), (369, 30537), (371, 30534), (386, 30504), (415, 30459), (427, 30426), (436, 30399), (441, 30384), (449, 30372), (455, 30363), (474, 30321), (505, 30243), (514, 30219), (591, 30126), (599, 30102), (606, 30081), (680, 29958), (759, 29799), (761, 29796), (785, 29760), (787, 29754), (819, 29631), (843, 29565), (859, 29496), (862, 29478), (899, 29418), (904, 29397), (946, 29280), (983, 29205), (1003, 29163), (1041, 29061), (1060, 29004), (1065, 28992), (1071, 28983),

Gene: Dreamboat_46 Start: 34398, Stop: 32569, Start Num: 254
Candidate Starts for Dreamboat_46:
(Start: 254 @34398 has 935 MA's), (391, 34185), (400, 34170), (426, 34122), (436, 34092), (443, 34071), (449, 34065), (455, 34056), (504, 33939), (514, 33912), (591, 33819), (596, 33804), (603, 33783), (609, 33771), (639, 33720), (641, 33717), (680, 33651), (701, 33621), (711, 33591), (734,

33546), (755, 33507), (819, 33327), (834, 33279), (850, 33231), (859, 33192), (862, 33174), (875, 33135), (899, 33114), (904, 33093), (909, 33078), (953, 32955), (1035, 32784), (1040, 32760), (1057, 32712), (1060, 32700), (1071, 32679), (1075, 32673), (1094, 32625), (1101, 32610),

Gene: DroogsArmy_41 Start: 33073, Stop: 31238, Start Num: 254
Candidate Starts for DroogsArmy_41:
(Start: 254 @33073 has 935 MA's), (334, 32962), (391, 32860), (425, 32800), (443, 32746), (449, 32740), (463, 32719), (494, 32638), (514, 32587), (587, 32506), (591, 32491), (600, 32464), (606, 32446), (611, 32443), (626, 32422), (647, 32383), (683, 32320), (718, 32254), (719, 32251), (732, 32230), (777, 32140), (787, 32119), (798, 32077), (819, 31996), (834, 31948), (850, 31900), (855, 31873), (862, 31843), (875, 31804), (904, 31735), (905, 31732), (910, 31717), (920, 31693), (935, 31651), (985, 31522), (1000, 31495), (1007, 31462), (1018, 31444), (1035, 31411), (1060, 31327), (1065, 31315), (1071, 31306),

Gene: DropBear_45 Start: 31442, Stop: 29604, Start Num: 254
Candidate Starts for DropBear_45:
(202, 31514), (Start: 254 @31442 has 935 MA's), (289, 31391), (386, 31238), (422, 31178), (426, 31166), (449, 31109), (455, 31100), (463, 31088), (505, 30980), (514, 30956), (591, 30860), (611, 30812), (647, 30752), (683, 30689), (719, 30620), (732, 30599), (767, 30530), (770, 30524), (787, 30485), (819, 30362), (847, 30275), (855, 30239), (862, 30209), (873, 30179), (905, 30098), (920, 30059), (929, 30035), (935, 30017), (985, 29888), (1007, 29828), (1060, 29693), (1065, 29681), (1071, 29672),

Gene: Druantia_45 Start: 31573, Stop: 29747, Start Num: 254
Candidate Starts for Druantia_45:
(Start: 254 @31573 has 935 MA's), (271, 31552), (289, 31522), (305, 31492), (413, 31330), (421, 31312), (449, 31240), (455, 31231), (505, 31111), (514, 31087), (591, 30994), (611, 30946), (626, 30925), (647, 30886), (719, 30754), (732, 30733), (755, 30688), (759, 30676), (815, 30523), (819, 30502), (855, 30379), (862, 30349), (875, 30310), (904, 30244), (905, 30241), (910, 30226), (920, 30202), (929, 30178), (1007, 29971), (1060, 29836), (1065, 29824), (1071, 29815),

Gene: Dublin_37 Start: 30165, Stop: 28306, Start Num: 254
Candidate Starts for Dublin_37:
(Start: 254 @30165 has 935 MA's), (289, 30114), (334, 30054), (371, 29991), (386, 29961), (388, 29958), (422, 29901), (436, 29859), (449, 29832), (514, 29679), (591, 29583), (609, 29535), (659, 29451), (666, 29445), (706, 29373), (719, 29340), (727, 29325), (734, 29313), (783, 29214), (819, 29079), (830, 29049), (834, 29031), (836, 29028), (847, 28992), (850, 28983), (853, 28962), (856, 28953), (862, 28926), (863, 28923), (899, 28866), (904, 28845), (946, 28728), (971, 28674), (975, 28665), (985, 28647), (1018, 28569), (1053, 28476), (1060, 28452), (1065, 28440), (1116, 28323), (1118, 28320),

Gene: Dubu_35 Start: 27275, Stop: 29131, Start Num: 254
Candidate Starts for Dubu_35:
(Start: 254 @27275 has 935 MA's), (Start: 288 @27323 has 1 MA's), (334, 27395), (436, 27596), (484, 27692), (513, 27773), (577, 27833), (636, 27962), (647, 27983), (657, 27998), (708, 28088), (711, 28097), (732, 28136), (755, 28181), (762, 28199), (815, 28373), (819, 28394), (822, 28400), (834, 28442), (847, 28481), (848, 28484), (852, 28505), (860, 28538), (862, 28547), (884, 28601), (920, 28688), (936, 28733), (943, 28751), (946, 28763), (967, 28811), (969, 28814), (1021, 28931), (1043, 28994), (1060, 29042), (1067, 29057), (1081, 29087),

Gene: DuchessDung_62 Start: 53800, Stop: 51941, Start Num: 215
Candidate Starts for DuchessDung_62:

(Start: 198 @53824 has 1 MA's), (Start: 215 @53800 has 328 MA's), (Start: 245 @53776 has 14 MA's), (Start: 258 @53770 has 2 MA's), (Start: 288 @53728 has 1 MA's), (300, 53707), (360, 53593), (363, 53587), (382, 53557), (418, 53497), (425, 53476), (442, 53422), (454, 53410), (464, 53392), (469, 53380), (511, 53275), (567, 53218), (590, 53182), (594, 53170), (605, 53143), (630, 53098), (666, 53041), (670, 53032), (671, 53029), (813, 52669), (820, 52636), (827, 52615), (856, 52522), (859, 52513), (881, 52450), (904, 52414), (905, 52411), (910, 52396), (939, 52318), (944, 52306), (950, 52285), (970, 52246), (1007, 52156), (1018, 52138), (1021, 52132), (1029, 52117), (1039, 52093), (1041, 52078), (1042, 52075), (1044, 52063), (1054, 52039), (1073, 51991), (1084, 51967),

Gene: DudeLittle_43 Start: 31344, Stop: 29557, Start Num: 254
Candidate Starts for DudeLittle_43:
(Start: 254 @31344 has 935 MA's), (386, 31140), (388, 31137), (402, 31116), (413, 31101), (426, 31068), (427, 31065), (436, 31038), (449, 31011), (463, 30990), (514, 30858), (591, 30765), (603, 30729), (609, 30717), (618, 30708), (626, 30693), (666, 30627), (708, 30546), (732, 30498), (734, 30492), (767, 30429), (819, 30273), (836, 30222), (846, 30189), (847, 30186), (862, 30120), (875, 30081), (899, 30060), (925, 29985), (929, 29973), (975, 29859), (985, 29841), (1003, 29805), (1007, 29781), (1041, 29703), (1060, 29646), (1065, 29634), (1071, 29625),

Gene: Duggie_61 Start: 54284, Stop: 52425, Start Num: 215
Candidate Starts for Duggie_61:
(Start: 198 @54308 has 1 MA's), (Start: 215 @54284 has 328 MA's), (Start: 245 @54260 has 14 MA's), (Start: 258 @54254 has 2 MA's), (Start: 288 @54212 has 1 MA's), (300, 54191), (360, 54077), (363, 54071), (382, 54041), (418, 53981), (425, 53960), (442, 53906), (454, 53894), (464, 53876), (469, 53864), (511, 53759), (567, 53702), (590, 53666), (594, 53654), (603, 53630), (609, 53618), (620, 53600), (630, 53582), (641, 53564), (666, 53525), (670, 53516), (671, 53513), (673, 53510), (813, 53153), (820, 53120), (827, 53099), (856, 53006), (859, 52997), (881, 52934), (904, 52898), (905, 52895), (910, 52880), (939, 52802), (944, 52790), (950, 52769), (970, 52730), (1007, 52640), (1018, 52622), (1021, 52616), (1029, 52601), (1039, 52577), (1041, 52562), (1042, 52559), (1044, 52547), (1054, 52523), (1060, 52502), (1073, 52475), (1084, 52451), (1089, 52436),

Gene: Dulcie_45 Start: 34631, Stop: 32805, Start Num: 254
Candidate Starts for Dulcie_45:
(Start: 254 @34631 has 935 MA's), (391, 34418), (400, 34403), (426, 34355), (436, 34325), (443, 34304), (449, 34298), (455, 34289), (504, 34172), (514, 34145), (591, 34052), (596, 34037), (609, 34004), (639, 33953), (641, 33950), (680, 33884), (701, 33854), (711, 33824), (734, 33779), (755, 33740), (819, 33560), (834, 33512), (847, 33473), (862, 33407), (875, 33368), (899, 33347), (904, 33326), (910, 33308), (935, 33242), (1003, 33092), (1004, 33089), (1012, 33053), (1029, 33029), (1034, 33020), (1038, 33008), (1043, 32981), (1060, 32933), (1071, 32912),

Gene: DunneganBoMo_88 Start: 74347, Stop: 76077, Start Num: 304
Candidate Starts for DunneganBoMo_88:
(Start: 265 @74284 has 10 MA's), (Start: 288 @74317 has 1 MA's), (Start: 299 @74338 has 1 MA's), (Start: 304 @74347 has 2 MA's), (315, 74359), (454, 74596), (467, 74623), (470, 74629), (562, 74764), (632, 74881), (647, 74908), (651, 74914), (657, 74923), (686, 74977), (755, 75109), (763, 75130), (778, 75157), (795, 75205), (803, 75238), (815, 75277), (819, 75298), (822, 75304), (853, 75421), (874, 75505), (875, 75508), (903, 75571), (906, 75583), (920, 75619), (932, 75652), (950, 75706), (958, 75724), (996, 75808), (1003, 75829), (1008, 75856), (1035, 75904), (1037, 75910), (1040, 75928), (1043, 75940), (1045, 75952), (1048, 75955), (1060, 75988), (1075, 76015), (1085, 76039),

Gene: Duocatuli_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for Duocatuli_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343),

(476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: Duplo_47 Start: 31191, Stop: 29368, Start Num: 254
Candidate Starts for Duplo_47:
(Start: 254 @31191 has 935 MA's), (386, 30987), (400, 30963), (413, 30945), (421, 30927), (426, 30912), (427, 30909), (436, 30882), (449, 30855), (474, 30804), (514, 30702), (591, 30609), (609, 30561), (618, 30552), (625, 30540), (626, 30537), (666, 30471), (701, 30411), (755, 30297), (767, 30273), (786, 30234), (819, 30108), (836, 30057), (847, 30021), (862, 29955), (875, 29916), (905, 29847), (920, 29808), (936, 29763), (946, 29733), (975, 29670), (983, 29658), (985, 29652), (1007, 29592), (1060, 29457), (1065, 29445), (1071, 29436),

Gene: Durga_63 Start: 54780, Stop: 52921, Start Num: 215
Candidate Starts for Durga_63:
(Start: 198 @54804 has 1 MA's), (Start: 215 @54780 has 328 MA's), (Start: 245 @54756 has 14 MA's), (Start: 258 @54750 has 2 MA's), (Start: 288 @54708 has 1 MA's), (300, 54687), (360, 54573), (363, 54567), (382, 54537), (418, 54477), (425, 54456), (442, 54402), (454, 54390), (464, 54372), (469, 54360), (511, 54255), (567, 54198), (590, 54162), (594, 54150), (603, 54126), (609, 54114), (620, 54096), (630, 54078), (641, 54060), (666, 54021), (670, 54012), (671, 54009), (673, 54006), (783, 53751), (813, 53649), (820, 53616), (827, 53595), (856, 53502), (859, 53493), (881, 53430), (904, 53394), (905, 53391), (910, 53376), (939, 53298), (944, 53286), (950, 53265), (970, 53226), (1007, 53136), (1018, 53118), (1021, 53112), (1029, 53097), (1039, 53073), (1041, 53058), (1042, 53055), (1044, 53043), (1054, 53019), (1060, 52998), (1073, 52971), (1084, 52947),

Gene: Dussy_46 Start: 34786, Stop: 32957, Start Num: 254
Candidate Starts for Dussy_46:
(Start: 254 @34786 has 935 MA's), (391, 34573), (400, 34558), (426, 34510), (436, 34480), (443, 34459), (449, 34453), (455, 34444), (504, 34327), (514, 34300), (591, 34207), (596, 34192), (639, 34108), (641, 34105), (680, 34039), (701, 34009), (711, 33979), (734, 33934), (755, 33895), (819, 33715), (834, 33667), (850, 33619), (859, 33580), (862, 33562), (875, 33523), (899, 33502), (904, 33481), (909, 33466), (953, 33343), (1035, 33172), (1040, 33148), (1057, 33100), (1060, 33088), (1071, 33067), (1075, 33061), (1094, 33013), (1101, 32998),

Gene: DustyMartin_48 Start: 31200, Stop: 29365, Start Num: 254
Candidate Starts for DustyMartin_48:
(Start: 254 @31200 has 935 MA's), (289, 31149), (338, 31083), (386, 30996), (400, 30972), (422, 30936), (426, 30924), (449, 30867), (455, 30858), (491, 30774), (505, 30738), (510, 30726), (514, 30714), (591, 30621), (611, 30573), (647, 30513), (718, 30384), (719, 30381), (732, 30360), (734, 30354), (787, 30246), (819, 30123), (834, 30075), (855, 30000), (862, 29970), (875, 29931), (904, 29862), (905, 29859), (920, 29820), (929, 29796), (931, 29790), (935, 29778), (977, 29670), (1007, 29589), (1021, 29565), (1043, 29502), (1060, 29454), (1065, 29442), (1071, 29433),

Gene: Dynamix_45 Start: 34393, Stop: 32567, Start Num: 254
Candidate Starts for Dynamix_45:
(Start: 254 @34393 has 935 MA's), (391, 34180), (426, 34117), (436, 34087), (443, 34066), (449, 34060), (455, 34051), (504, 33934), (514, 33907), (591, 33814), (596, 33799), (639, 33715), (641, 33712), (680, 33646), (701, 33616), (711, 33586), (734, 33541), (755, 33502), (819, 33322), (834, 33274), (847, 33235), (862, 33169), (875, 33130), (899, 33109), (904, 33088), (910, 33070), (935, 33004), (1003, 32854), (1004, 32851), (1012, 32815), (1034, 32782), (1038, 32770), (1043, 32743), (1060, 32695), (1071, 32674),

Gene: EZMoney23_43 Start: 31302, Stop: 29515, Start Num: 253
Candidate Starts for EZMoney23_43:
(Start: 253 @31302 has 33 MA's), (386, 31098), (388, 31095), (391, 31089), (402, 31074), (413, 31059), (426, 31026), (427, 31023), (436, 30996), (449, 30969), (463, 30948), (474, 30918), (514, 30816), (591, 30723), (609, 30675), (618, 30666), (626, 30651), (666, 30585), (708, 30504), (732, 30456), (734, 30450), (798, 30312), (819, 30231), (836, 30180), (846, 30147), (847, 30144), (862, 30078), (875, 30039), (899, 30018), (925, 29943), (946, 29880), (956, 29853), (975, 29817), (985, 29799), (1003, 29763), (1007, 29739), (1037, 29682), (1041, 29661), (1060, 29604), (1065, 29592), (1071, 29583),

Gene: Eagle_45 Start: 31595, Stop: 29769, Start Num: 254
Candidate Starts for Eagle_45:
(Start: 254 @31595 has 935 MA's), (271, 31574), (289, 31544), (305, 31514), (413, 31352), (421, 31334), (449, 31262), (455, 31253), (505, 31133), (514, 31109), (591, 31016), (611, 30968), (626, 30947), (647, 30908), (719, 30776), (732, 30755), (755, 30710), (759, 30698), (815, 30545), (819, 30524), (855, 30401), (862, 30371), (875, 30332), (904, 30266), (905, 30263), (910, 30248), (920, 30224), (929, 30200), (1007, 29993), (1060, 29858), (1065, 29846), (1071, 29837),

Gene: EagleEye_46 Start: 30777, Stop: 28945, Start Num: 254
Candidate Starts for EagleEye_46:
(Start: 254 @30777 has 935 MA's), (386, 30573), (388, 30570), (426, 30501), (427, 30498), (436, 30471), (443, 30450), (449, 30444), (455, 30435), (474, 30393), (505, 30315), (514, 30291), (591, 30198), (680, 30030), (785, 29832), (819, 29703), (850, 29607), (859, 29568), (862, 29550), (902, 29478), (904, 29469), (953, 29331), (1000, 29244), (1003, 29235), (1041, 29133), (1060, 29076), (1065, 29064), (1111, 28959),

Gene: Eaglehorse_57 Start: 52538, Stop: 50709, Start Num: 215
Candidate Starts for Eaglehorse_57:
(Start: 215 @52538 has 328 MA's), (Start: 258 @52511 has 2 MA's), (Start: 282 @52481 has 7 MA's), (Start: 288 @52469 has 1 MA's), (Start: 304 @52442 has 2 MA's), (305, 52439), (314, 52430), (338, 52412), (388, 52316), (418, 52265), (426, 52241), (496, 52079), (506, 52055), (511, 52043), (567, 51986), (590, 51950), (594, 51938), (603, 51914), (652, 51830), (670, 51800), (671, 51797), (684, 51767), (753, 51623), (778, 51557), (792, 51518), (796, 51506), (800, 51485), (806, 51467), (820, 51410), (850, 51326), (856, 51296), (859, 51287), (879, 51221), (902, 51194), (904, 51185), (910, 51167), (920, 51143), (939, 51089), (944, 51077), (950, 51056), (985, 50987), (1007, 50927), (1018, 50909), (1035, 50876), (1039, 50864), (1041, 50849), (1042, 50846), (1044, 50834), (1054, 50810), (1055, 50807), (1073, 50759), (1075, 50756), (1084, 50735), (1091, 50714),

Gene: Eaglepride_45 Start: 31205, Stop: 29382, Start Num: 254
Candidate Starts for Eaglepride_45:
(Start: 254 @31205 has 935 MA's), (289, 31154), (305, 31124), (413, 30962), (421, 30944), (426, 30929), (449, 30872), (455, 30863), (488, 30791), (494, 30770), (505, 30743), (514, 30719), (591, 30626), (605, 30587), (611, 30578), (647, 30518), (666, 30491), (711, 30404), (734, 30359), (755, 30320), (787, 30263), (798, 30221), (819, 30140), (843, 30074), (855, 30017), (859, 30005), (862, 29987), (875, 29948), (905, 29876), (910, 29861), (920, 29837), (935, 29795), (985, 29666), (1007, 29606), (1012, 29591), (1021, 29582), (1060, 29471), (1065, 29459), (1071, 29450),

Gene: Eapen_45 Start: 31565, Stop: 29739, Start Num: 254
Candidate Starts for Eapen_45:
(Start: 254 @31565 has 935 MA's), (271, 31544), (289, 31514), (305, 31484), (413, 31322), (421, 31304), (449, 31232), (455, 31223), (505, 31103), (514, 31079), (591, 30986), (611, 30938), (626, 30917), (647, 30878), (719, 30746), (732, 30725), (755, 30680), (759, 30668), (815, 30515), (819,

30494), (855, 30371), (862, 30341), (875, 30302), (904, 30236), (905, 30233), (910, 30218), (920, 30194), (929, 30170), (1007, 29963), (1060, 29828), (1065, 29816), (1071, 29807),

Gene: EastView9101_57 Start: 54337, Stop: 52511, Start Num: 208
Candidate Starts for EastView9101_57:
(122, 54496), (155, 54415), (Start: 208 @54337 has 32 MA's), (280, 54283), (321, 54223), (390, 54112), (418, 54064), (464, 53962), (487, 53920), (498, 53884), (511, 53854), (590, 53761), (594, 53749), (603, 53725), (609, 53713), (620, 53695), (658, 53632), (671, 53608), (725, 53503), (797, 53314), (800, 53296), (814, 53248), (820, 53221), (854, 53113), (856, 53107), (859, 53098), (863, 53077), (893, 53014), (905, 52981), (910, 52966), (933, 52906), (939, 52888), (944, 52876), (950, 52855), (953, 52846), (955, 52843), (1007, 52726), (1021, 52702), (1039, 52663), (1041, 52648), (1042, 52645), (1050, 52621), (1054, 52609), (1055, 52606), (1075, 52558), (1084, 52537), (1091, 52516),

Gene: Ebony_45 Start: 30738, Stop: 28951, Start Num: 254
Candidate Starts for Ebony_45:
(Start: 254 @30738 has 935 MA's), (386, 30534), (426, 30462), (436, 30432), (449, 30405), (593, 30153), (618, 30102), (666, 30021), (688, 29976), (732, 29892), (759, 29835), (786, 29793), (798, 29748), (819, 29667), (836, 29616), (847, 29580), (862, 29514), (899, 29454), (902, 29442), (938, 29340), (946, 29316), (951, 29298), (985, 29235), (1000, 29208), (1003, 29199), (1007, 29175), (1060, 29040), (1065, 29028), (1071, 29019),

Gene: Echild_44 Start: 30778, Stop: 28991, Start Num: 254
Candidate Starts for Echild_44:
(Start: 254 @30778 has 935 MA's), (388, 30571), (391, 30565), (413, 30535), (426, 30502), (427, 30499), (436, 30472), (449, 30445), (463, 30424), (514, 30292), (591, 30199), (609, 30151), (618, 30142), (626, 30127), (666, 30061), (708, 29980), (732, 29932), (734, 29926), (767, 29863), (798, 29788), (819, 29707), (836, 29656), (846, 29623), (847, 29620), (862, 29554), (875, 29515), (899, 29494), (925, 29419), (931, 29401), (935, 29389), (946, 29356), (956, 29329), (975, 29293), (1003, 29239), (1007, 29215), (1037, 29158), (1041, 29137), (1060, 29080), (1065, 29068), (1071, 29059),

Gene: Eden_40 Start: 28150, Stop: 30027, Start Num: 241
Candidate Starts for Eden_40:
(Start: 241 @28150 has 65 MA's), (Start: 299 @28219 has 1 MA's), (386, 28357), (439, 28462), (463, 28498), (464, 28501), (504, 28591), (593, 28714), (647, 28822), (657, 28837), (675, 28867), (782, 29131), (787, 29146), (804, 29209), (819, 29269), (843, 29335), (856, 29398), (862, 29425), (903, 29518), (929, 29590), (967, 29689), (969, 29692), (970, 29695), (1007, 29785), (1037, 29842), (1060, 29920), (1071, 29941), (1100, 30010),

Gene: Edison31_43 Start: 31140, Stop: 29305, Start Num: 254
Candidate Starts for Edison31_43:
(Start: 254 @31140 has 935 MA's), (289, 31089), (338, 31023), (386, 30936), (400, 30912), (413, 30897), (422, 30876), (426, 30864), (449, 30807), (455, 30798), (491, 30714), (505, 30678), (510, 30666), (514, 30654), (591, 30561), (611, 30513), (647, 30453), (666, 30426), (718, 30324), (719, 30321), (732, 30300), (734, 30294), (787, 30186), (819, 30063), (834, 30015), (855, 29940), (862, 29910), (875, 29871), (904, 29802), (905, 29799), (920, 29760), (929, 29736), (931, 29730), (935, 29718), (1007, 29529), (1021, 29505), (1043, 29442), (1060, 29394), (1065, 29382), (1071, 29373),

Gene: EdogawaKiddo_43 Start: 31490, Stop: 29697, Start Num: 254
Candidate Starts for EdogawaKiddo_43:
(Start: 254 @31490 has 935 MA's), (261, 31481), (289, 31439), (369, 31319), (371, 31316), (396, 31268), (427, 31208), (437, 31178), (441, 31166), (449, 31154), (514, 31001), (591, 30908), (666, 30770), (680, 30740), (759, 30581), (767, 30569), (785, 30542), (815, 30434), (819, 30413), (859,

30278), (862, 30260), (904, 30179), (920, 30137), (946, 30062), (983, 29987), (1003, 29945), (1041, 29843), (1060, 29786), (1065, 29774), (1071, 29765),

Gene: Edtherson_45 Start: 35275, Stop: 33449, Start Num: 254
Candidate Starts for Edtherson_45:
(Start: 254 @35275 has 935 MA's), (391, 35062), (400, 35047), (426, 34999), (436, 34969), (443, 34948), (449, 34942), (455, 34933), (504, 34816), (514, 34789), (591, 34696), (596, 34681), (639, 34597), (641, 34594), (680, 34528), (701, 34498), (711, 34468), (734, 34423), (755, 34384), (819, 34204), (830, 34174), (834, 34156), (847, 34117), (862, 34051), (904, 33970), (905, 33967), (935, 33886), (1003, 33736), (1004, 33733), (1012, 33697), (1029, 33673), (1034, 33664), (1038, 33652), (1060, 33577), (1071, 33556),

Gene: EhyElimayoE_67 Start: 46750, Stop: 44786, Start Num: 322
Candidate Starts for EhyElimayoE_67:
(Start: 322 @46750 has 13 MA's), (379, 46654), (435, 46546), (438, 46534), (456, 46480), (490, 46396), (532, 46261), (559, 46162), (566, 46150), (573, 46123), (581, 46108), (645, 45970), (692, 45883), (734, 45787), (774, 45679), (775, 45676), (785, 45649), (793, 45622), (800, 45592), (810, 45562), (840, 45457), (865, 45349), (867, 45340), (869, 45334), (933, 45190), (939, 45172), (945, 45154), (980, 45100), (1021, 44983), (1028, 44971), (1033, 44962), (1038, 44950), (1041, 44932), (1048, 44908), (1058, 44884), (1064, 44866),

Gene: Eidsmoe_45 Start: 31547, Stop: 29754, Start Num: 254
Candidate Starts for Eidsmoe_45:
(Start: 254 @31547 has 935 MA's), (261, 31538), (289, 31496), (369, 31376), (371, 31373), (396, 31325), (427, 31265), (437, 31235), (441, 31223), (449, 31211), (514, 31058), (591, 30965), (666, 30827), (680, 30797), (759, 30638), (767, 30626), (785, 30599), (815, 30491), (819, 30470), (859, 30335), (862, 30317), (904, 30236), (920, 30194), (946, 30119), (983, 30044), (1003, 30002), (1041, 29900), (1060, 29843), (1065, 29831), (1071, 29822),

Gene: ElJefes_46 Start: 34328, Stop: 32013, Start Num: 80
Candidate Starts for ElJefes_46:
(Start: 58 @34388 has 15 MA's), (80, 34328), (115, 34247), (165, 34127), (213, 34082), (270, 34004), (Start: 275 @33998 has 3 MA's), (Start: 277 @33995 has 1 MA's), (297, 33965), (307, 33947), (323, 33917), (341, 33890), (Start: 342 @33887 has 5 MA's), (367, 33830), (378, 33809), (392, 33791), (426, 33728), (434, 33704), (437, 33695), (441, 33683), (459, 33650), (469, 33629), (476, 33608), (537, 33425), (569, 33350), (582, 33329), (591, 33308), (668, 33221), (716, 33173), (730, 33143), (733, 33137), (754, 33092), (755, 33089), (761, 33074), (773, 33053), (774, 33050), (798, 32969), (807, 32939), (823, 32879), (825, 32870), (830, 32855), (836, 32840), (841, 32828), (862, 32735), (874, 32699), (876, 32693), (880, 32687), (883, 32681), (905, 32624), (912, 32600), (945, 32495), (946, 32492), (970, 32441), (986, 32399), (991, 32381), (1004, 32342), (1013, 32300), (1027, 32276), (1039, 32246), (1050, 32198), (1053, 32189), (1058, 32174), (1064, 32150), (1072, 32129), (1095, 32075), (1108, 32042),

Gene: ElTiger69_39 Start: 30184, Stop: 28286, Start Num: 224
Candidate Starts for ElTiger69_39:
(Start: 224 @30184 has 2 MA's), (Start: 254 @30151 has 935 MA's), (334, 30040), (386, 29947), (388, 29944), (426, 29875), (427, 29872), (436, 29845), (449, 29818), (455, 29809), (491, 29725), (501, 29701), (514, 29665), (571, 29605), (591, 29569), (606, 29524), (609, 29521), (625, 29500), (626, 29497), (659, 29437), (706, 29359), (727, 29311), (734, 29299), (758, 29251), (783, 29200), (819, 29065), (834, 29017), (843, 28999), (847, 28978), (850, 28969), (856, 28939), (862, 28912), (863, 28909), (904, 28831), (910, 28813), (929, 28765), (946, 28714), (971, 28660), (975, 28651), (985, 28633), (1018, 28555), (1021, 28549), (1053, 28462), (1060, 28438), (1065, 28426), (1111, 28321),

Gene: Elephantoon_44 Start: 30830, Stop: 29037, Start Num: 254
Candidate Starts for Elephantoon_44:
(Start: 254 @30830 has 935 MA's), (261, 30821), (289, 30779), (349, 30692), (369, 30659), (371, 30656), (386, 30626), (396, 30608), (427, 30548), (436, 30521), (441, 30506), (449, 30494), (513, 30344), (514, 30341), (517, 30332), (587, 30263), (591, 30248), (680, 30080), (759, 29921), (767, 29909), (785, 29882), (815, 29774), (819, 29753), (855, 29630), (862, 29600), (875, 29561), (902, 29528), (904, 29519), (946, 29402), (953, 29381), (983, 29327), (1003, 29285), (1007, 29261), (1041, 29183), (1060, 29126), (1065, 29114), (1071, 29105),

Gene: Eleri_38 Start: 28732, Stop: 26867, Start Num: 337
Candidate Starts for Eleri_38:
(Start: 337 @28732 has 44 MA's), (355, 28687), (381, 28633), (420, 28573), (438, 28522), (476, 28444), (478, 28438), (494, 28393), (495, 28390), (496, 28387), (511, 28348), (531, 28288), (582, 28165), (588, 28156), (591, 28144), (595, 28132), (601, 28114), (634, 28093), (639, 28081), (654, 28057), (731, 27910), (796, 27742), (850, 27577), (858, 27541), (862, 27520), (876, 27478), (912, 27391), (925, 27346), (962, 27247), (982, 27202), (985, 27193), (1004, 27133), (1007, 27109), (1022, 27076), (1058, 26965),

Gene: Elezi_39 Start: 30351, Stop: 32216, Start Num: 254
Candidate Starts for Elezi_39:
(Start: 254 @30351 has 935 MA's), (Start: 288 @30399 has 1 MA's), (411, 30582), (415, 30588), (436, 30648), (443, 30669), (479, 30738), (596, 30954), (641, 31044), (647, 31053), (657, 31068), (681, 31113), (732, 31206), (788, 31344), (819, 31464), (830, 31494), (847, 31551), (860, 31608), (862, 31617), (872, 31641), (903, 31710), (929, 31782), (932, 31791), (971, 31890), (1003, 31953), (1060, 32112), (1064, 32121),

Gene: Elfy_41 Start: 28904, Stop: 30769, Start Num: 254
Candidate Starts for Elfy_41:
(Start: 254 @28904 has 935 MA's), (419, 29150), (436, 29201), (437, 29204), (443, 29222), (501, 29345), (513, 29378), (591, 29492), (593, 29498), (620, 29555), (641, 29597), (647, 29606), (657, 29621), (666, 29633), (675, 29651), (708, 29711), (719, 29738), (727, 29753), (732, 29759), (736, 29771), (755, 29804), (759, 29816), (764, 29828), (787, 29894), (803, 29954), (819, 30017), (853, 30134), (856, 30143), (882, 30221), (903, 30263), (936, 30356), (970, 30440), (1003, 30506), (1007, 30530), (1008, 30533), (1029, 30569), (1034, 30578), (1041, 30608), (1060, 30665), (1064, 30674),

Gene: Elinal_48 Start: 34208, Stop: 31833, Start Num: 58
Candidate Starts for Elinal_48:
(Start: 58 @34208 has 15 MA's), (80, 34148), (99, 34106), (115, 34067), (165, 33947), (176, 33926), (213, 33902), (270, 33824), (Start: 275 @33818 has 3 MA's), (Start: 277 @33815 has 1 MA's), (297, 33785), (307, 33767), (318, 33749), (341, 33710), (Start: 342 @33707 has 5 MA's), (367, 33650), (379, 33626), (392, 33611), (426, 33548), (434, 33524), (437, 33515), (438, 33509), (441, 33503), (459, 33470), (469, 33449), (476, 33428), (537, 33245), (569, 33170), (591, 33128), (706, 33017), (716, 32993), (730, 32963), (754, 32912), (755, 32909), (761, 32894), (773, 32873), (823, 32699), (825, 32690), (836, 32660), (862, 32555), (874, 32519), (876, 32513), (880, 32507), (883, 32501), (905, 32444), (912, 32420), (945, 32315), (946, 32312), (986, 32219), (991, 32201), (1004, 32162), (1013, 32120), (1027, 32096), (1039, 32066), (1050, 32018), (1058, 31994), (1072, 31949), (1108, 31862),

Gene: Eliott_43 Start: 32440, Stop: 30047, Start Num: 45
Candidate Starts for Eliott_43:
(Start: 45 @32440 has 21 MA's), (59, 32434), (Start: 75 @32386 has 1 MA's), (93, 32344), (103, 32320), (152, 32194), (165, 32170), (213, 32125), (247, 32074), (260, 32059), (Start: 277 @32038 has 1 MA's), (307, 31990), (326, 31957), (333, 31948), (367, 31873), (373, 31861), (417, 31792), (427, 31765), (429, 31759), (434, 31744), (459, 31690), (461, 31687), (469, 31669), (476, 31648), (497,

31588), (537, 31465), (539, 31459), (569, 31390), (591, 31348), (668, 31261), (684, 31237), (706, 31231), (716, 31207), (720, 31198), (727, 31183), (733, 31171), (753, 31129), (754, 31126), (755, 31123), (807, 30976), (816, 30934), (825, 30907), (827, 30901), (862, 30772), (874, 30736), (876, 30730), (880, 30724), (883, 30718), (905, 30661), (912, 30637), (925, 30592), (1057, 30214), (1058, 30211), (1072, 30166), (1076, 30157), (1101, 30097),

Gene: Elle_43 Start: 28423, Stop: 26633, Start Num: 254
Candidate Starts for Elle_43:
(Start: 254 @28423 has 935 MA's), (Start: 288 @28375 has 1 MA's), (371, 28249), (426, 28144), (427, 28141), (436, 28114), (449, 28087), (514, 27934), (591, 27841), (606, 27796), (609, 27793), (618, 27784), (675, 27685), (719, 27595), (755, 27529), (815, 27370), (819, 27349), (836, 27298), (843, 27283), (847, 27262), (850, 27253), (862, 27196), (904, 27115), (910, 27097), (985, 26917), (1012, 26842), (1041, 26779), (1060, 26722), (1065, 26710), (1073, 26698),

Gene: Ellewin_87 Start: 73695, Stop: 75488, Start Num: 265
Candidate Starts for Ellewin_87:
(Start: 265 @73695 has 10 MA's), (Start: 299 @73749 has 1 MA's), (Start: 304 @73758 has 2 MA's), (315, 73770), (454, 74007), (470, 74040), (562, 74175), (632, 74292), (647, 74319), (651, 74325), (657, 74334), (686, 74388), (755, 74520), (763, 74541), (778, 74568), (795, 74616), (803, 74649), (815, 74688), (819, 74709), (822, 74715), (853, 74832), (874, 74916), (875, 74919), (903, 74982), (906, 74994), (920, 75030), (932, 75063), (950, 75117), (958, 75135), (996, 75219), (1003, 75240), (1008, 75267), (1035, 75315), (1037, 75321), (1040, 75339), (1043, 75351), (1045, 75363), (1048, 75366), (1060, 75399), (1075, 75426), (1085, 75450),

Gene: Elva_44 Start: 30530, Stop: 32404, Start Num: 241
Candidate Starts for Elva_44:
(Start: 238 @30527 has 7 MA's), (Start: 241 @30530 has 65 MA's), (Start: 299 @30599 has 1 MA's), (315, 30620), (426, 30800), (455, 30866), (474, 30908), (601, 31118), (609, 31136), (647, 31202), (701, 31289), (766, 31436), (803, 31556), (804, 31559), (819, 31619), (822, 31625), (836, 31670), (843, 31685), (845, 31700), (853, 31736), (862, 31772), (903, 31865), (936, 31958), (967, 32036), (969, 32039), (983, 32066), (1003, 32108), (1012, 32147), (1019, 32153), (1037, 32189), (1040, 32207), (1053, 32243), (1060, 32267), (1071, 32288),

Gene: ElvisPhasley_62 Start: 54776, Stop: 52917, Start Num: 215
Candidate Starts for ElvisPhasley_62:
(Start: 198 @54800 has 1 MA's), (Start: 215 @54776 has 328 MA's), (Start: 245 @54752 has 14 MA's), (Start: 258 @54746 has 2 MA's), (Start: 288 @54704 has 1 MA's), (300, 54683), (360, 54569), (363, 54563), (382, 54533), (418, 54473), (425, 54452), (442, 54398), (454, 54386), (464, 54368), (469, 54356), (511, 54251), (567, 54194), (590, 54158), (594, 54146), (603, 54122), (609, 54110), (620, 54092), (630, 54074), (641, 54056), (666, 54017), (670, 54008), (671, 54005), (673, 54002), (813, 53645), (820, 53612), (827, 53591), (856, 53498), (859, 53489), (881, 53426), (904, 53390), (905, 53387), (910, 53372), (939, 53294), (944, 53282), (950, 53261), (970, 53222), (1007, 53132), (1018, 53114), (1021, 53108), (1029, 53093), (1039, 53069), (1041, 53054), (1042, 53051), (1044, 53039), (1054, 53015), (1073, 52967), (1084, 52943),

Gene: EmGer13_62 Start: 54050, Stop: 52191, Start Num: 215
Candidate Starts for EmGer13_62:
(Start: 198 @54074 has 1 MA's), (Start: 215 @54050 has 328 MA's), (Start: 245 @54026 has 14 MA's), (Start: 258 @54020 has 2 MA's), (Start: 288 @53978 has 1 MA's), (300, 53957), (360, 53843), (363, 53837), (382, 53807), (418, 53747), (425, 53726), (442, 53672), (454, 53660), (464, 53642), (469, 53630), (511, 53525), (567, 53468), (590, 53432), (594, 53420), (603, 53396), (609, 53384), (620, 53366), (630, 53348), (641, 53330), (666, 53291), (670, 53282), (671, 53279), (673, 53276), (813, 52919), (820, 52886), (827, 52865), (856, 52772), (859, 52763), (881, 52700), (904, 52664),

(905, 52661), (910, 52646), (939, 52568), (944, 52556), (950, 52535), (970, 52496), (1007, 52406), (1018, 52388), (1021, 52382), (1029, 52367), (1039, 52343), (1041, 52328), (1042, 52325), (1044, 52313), (1054, 52289), (1073, 52241), (1084, 52217),

Gene: Emalyn_42 Start: 31612, Stop: 29225, Start Num: 57
Candidate Starts for Emalyn_42:
(20, 31759), (25, 31717), (31, 31684), (33, 31669), (Start: 57 @31612 has 26 MA's), (61, 31603), (63, 31597), (93, 31516), (127, 31420), (139, 31396), (152, 31369), (165, 31345), (Start: 277 @31213 has 1 MA's), (294, 31186), (303, 31171), (333, 31123), (346, 31093), (367, 31048), (373, 31036), (417, 30970), (434, 30922), (459, 30868), (469, 30847), (476, 30826), (483, 30811), (497, 30766), (537, 30643), (562, 30583), (569, 30568), (591, 30526), (668, 30439), (684, 30415), (706, 30409), (716, 30385), (720, 30376), (753, 30307), (754, 30304), (755, 30301), (793, 30205), (807, 30154), (825, 30085), (827, 30079), (862, 29950), (874, 29914), (876, 29908), (880, 29902), (883, 29896), (905, 29839), (912, 29815), (925, 29770), (945, 29710), (1004, 29557), (1012, 29518), (1013, 29515), (1058, 29389), (1072, 29344), (1076, 29335),

Gene: EmiRose_34 Start: 30392, Stop: 28503, Start Num: 206
Candidate Starts for EmiRose_34:
(Start: 206 @30392 has 1 MA's), (300, 30284), (302, 30281), (Start: 304 @30278 has 2 MA's), (340, 30221), (390, 30110), (437, 30005), (457, 29975), (470, 29948), (474, 29939), (503, 29870), (511, 29849), (567, 29792), (590, 29756), (594, 29744), (603, 29720), (618, 29693), (630, 29669), (671, 29612), (739, 29477), (753, 29435), (760, 29417), (775, 29378), (793, 29324), (810, 29264), (820, 29219), (823, 29213), (843, 29162), (881, 29027), (905, 28988), (906, 28985), (910, 28973), (939, 28895), (944, 28883), (971, 28820), (1007, 28718), (1039, 28655), (1050, 28613), (1054, 28601), (1066, 28571), (1075, 28550), (1091, 28508),

Gene: Emiris_63 Start: 54747, Stop: 52888, Start Num: 215
Candidate Starts for Emiris_63:
(Start: 198 @54771 has 1 MA's), (Start: 215 @54747 has 328 MA's), (Start: 245 @54723 has 14 MA's), (Start: 258 @54717 has 2 MA's), (Start: 288 @54675 has 1 MA's), (300, 54654), (360, 54540), (363, 54534), (382, 54504), (418, 54444), (425, 54423), (442, 54369), (454, 54357), (464, 54339), (469, 54327), (511, 54222), (567, 54165), (590, 54129), (594, 54117), (605, 54090), (620, 54063), (630, 54045), (641, 54027), (666, 53988), (670, 53979), (671, 53976), (783, 53718), (813, 53616), (820, 53583), (827, 53562), (856, 53469), (859, 53460), (881, 53397), (904, 53361), (905, 53358), (910, 53343), (939, 53265), (944, 53253), (950, 53232), (970, 53193), (1007, 53103), (1018, 53085), (1021, 53079), (1029, 53064), (1039, 53040), (1041, 53025), (1042, 53022), (1044, 53010), (1054, 52986), (1073, 52938), (1084, 52914),

Gene: Emmetator_91 Start: 74362, Stop: 76080, Start Num: 315
Candidate Starts for Emmetator_91:
(Start: 265 @74287 has 10 MA's), (Start: 288 @74320 has 1 MA's), (Start: 299 @74341 has 1 MA's), (Start: 304 @74350 has 2 MA's), (315, 74362), (454, 74599), (467, 74626), (470, 74632), (562, 74767), (632, 74884), (647, 74911), (651, 74917), (657, 74926), (686, 74980), (755, 75112), (763, 75133), (778, 75160), (795, 75208), (803, 75241), (815, 75280), (819, 75301), (822, 75307), (853, 75424), (874, 75508), (875, 75511), (903, 75574), (906, 75586), (920, 75622), (932, 75655), (950, 75709), (958, 75727), (996, 75811), (1003, 75832), (1008, 75859), (1035, 75907), (1037, 75913), (1040, 75931), (1043, 75943), (1045, 75955), (1048, 75958), (1060, 75991),

Gene: Emotion_46 Start: 31321, Stop: 33183, Start Num: 254
Candidate Starts for Emotion_46:
(191, 31249), (Start: 254 @31321 has 935 MA's), (427, 31591), (647, 32020), (727, 32167), (732, 32173), (788, 32311), (819, 32431), (836, 32482), (853, 32548), (903, 32677), (905, 32686), (910, 32701), (943, 32788), (970, 32854), (971, 32857), (1041, 33022), (1060, 33079),

Gene: EmpTee_60 Start: 54256, Stop: 52397, Start Num: 215
Candidate Starts for EmpTee_60:
(Start: 198 @54280 has 1 MA's), (Start: 215 @54256 has 328 MA's), (Start: 245 @54232 has 14 MA's), (Start: 258 @54226 has 2 MA's), (Start: 288 @54184 has 1 MA's), (300, 54163), (360, 54049), (363, 54043), (382, 54013), (418, 53953), (425, 53932), (442, 53878), (454, 53866), (464, 53848), (469, 53836), (511, 53731), (567, 53674), (590, 53638), (594, 53626), (603, 53602), (609, 53590), (620, 53572), (630, 53554), (641, 53536), (666, 53497), (670, 53488), (671, 53485), (673, 53482), (813, 53125), (820, 53092), (827, 53071), (856, 52978), (859, 52969), (881, 52906), (904, 52870), (905, 52867), (910, 52852), (939, 52774), (944, 52762), (950, 52741), (970, 52702), (1007, 52612), (1018, 52594), (1021, 52588), (1029, 52573), (1039, 52549), (1041, 52534), (1042, 52531), (1044, 52519), (1054, 52495), (1073, 52447), (1084, 52423),

Gene: EmyBug_44 Start: 31549, Stop: 29756, Start Num: 254
Candidate Starts for EmyBug_44:
(Start: 254 @31549 has 935 MA's), (261, 31540), (289, 31498), (369, 31378), (371, 31375), (396, 31327), (427, 31267), (437, 31237), (441, 31225), (449, 31213), (514, 31060), (591, 30967), (666, 30829), (680, 30799), (759, 30640), (767, 30628), (785, 30601), (815, 30493), (819, 30472), (859, 30337), (862, 30319), (904, 30238), (920, 30196), (946, 30121), (983, 30046), (1003, 30004), (1041, 29902), (1060, 29845), (1065, 29833), (1071, 29824),

Gene: Endor_39 Start: 29287, Stop: 27419, Start Num: 339
Candidate Starts for Endor_39:
(273, 29374), (Start: 339 @29287 has 121 MA's), (Start: 342 @29278 has 5 MA's), (471, 29014), (472, 29011), (476, 28999), (478, 28993), (540, 28807), (582, 28720), (588, 28711), (591, 28699), (600, 28672), (601, 28669), (612, 28654), (634, 28648), (639, 28636), (789, 28318), (855, 28105), (858, 28096), (862, 28075), (876, 28033), (912, 27943), (970, 27784), (982, 27754), (1004, 27685), (1007, 27661), (1025, 27622), (1039, 27589), (1040, 27577),

Gene: EnzoK_43 Start: 32376, Stop: 30550, Start Num: 254
Candidate Starts for EnzoK_43:
(Start: 254 @32376 has 935 MA's), (391, 32163), (426, 32100), (436, 32070), (443, 32049), (449, 32043), (455, 32034), (504, 31917), (514, 31890), (591, 31797), (596, 31782), (639, 31698), (641, 31695), (680, 31629), (701, 31599), (711, 31569), (734, 31524), (755, 31485), (819, 31305), (830, 31275), (834, 31257), (836, 31254), (847, 31218), (862, 31152), (904, 31071), (905, 31068), (935, 30987), (1003, 30837), (1004, 30834), (1012, 30798), (1029, 30774), (1034, 30765), (1038, 30753), (1060, 30678), (1071, 30657),

Gene: Epah_52 Start: 52983, Stop: 51160, Start Num: 208
Candidate Starts for Epah_52:
(Start: 190 @53001 has 4 MA's), (Start: 208 @52983 has 32 MA's), (Start: 258 @52959 has 2 MA's), (280, 52932), (Start: 288 @52917 has 1 MA's), (300, 52896), (353, 52809), (415, 52704), (430, 52662), (464, 52596), (477, 52566), (481, 52557), (487, 52554), (489, 52551), (496, 52524), (567, 52431), (582, 52413), (590, 52395), (594, 52383), (599, 52368), (605, 52356), (670, 52245), (671, 52242), (684, 52212), (706, 52176), (796, 51951), (797, 51948), (806, 51912), (813, 51888), (820, 51855), (854, 51747), (856, 51741), (858, 51735), (859, 51732), (904, 51633), (905, 51630), (910, 51615), (939, 51537), (944, 51525), (950, 51504), (953, 51495), (970, 51465), (983, 51441), (1000, 51408), (1007, 51375), (1018, 51357), (1021, 51351), (1039, 51312), (1042, 51294), (1044, 51282), (1054, 51258), (1070, 51216), (1073, 51210), (1084, 51186),

Gene: EpicPhail_49 Start: 31856, Stop: 30042, Start Num: 254
Candidate Starts for EpicPhail_49:

(Start: 254 @31856 has 935 MA's), (284, 31817), (289, 31805), (386, 31652), (395, 31637), (426, 31580), (449, 31523), (455, 31514), (474, 31472), (494, 31421), (514, 31370), (591, 31277), (609, 31229), (618, 31220), (626, 31205), (647, 31166), (666, 31139), (680, 31109), (727, 31016), (758, 30956), (767, 30941), (819, 30785), (847, 30698), (862, 30632), (875, 30593), (905, 30521), (920, 30482), (929, 30458), (935, 30440), (946, 30407), (956, 30380), (985, 30326), (1007, 30266), (1041, 30188), (1060, 30131), (1065, 30119), (1071, 30110),

Gene: Epsocamisio_46 Start: 29741, Stop: 27951, Start Num: 254
Candidate Starts for Epsocamisio_46:
(Start: 254 @29741 has 935 MA's), (371, 29567), (426, 29462), (427, 29459), (436, 29432), (449, 29405), (474, 29354), (514, 29252), (591, 29159), (606, 29114), (609, 29111), (618, 29102), (708, 28940), (719, 28913), (732, 28892), (734, 28886), (788, 28787), (798, 28748), (813, 28697), (819, 28667), (836, 28616), (846, 28583), (853, 28550), (855, 28544), (862, 28514), (899, 28454), (904, 28433), (920, 28391), (930, 28364), (935, 28349), (971, 28262), (1003, 28199), (1004, 28196), (1060, 28040), (1065, 28028), (1073, 28016),

Gene: Equemioh13_45 Start: 31601, Stop: 29814, Start Num: 254
Candidate Starts for Equemioh13_45:
(Start: 254 @31601 has 935 MA's), (386, 31397), (388, 31394), (391, 31388), (413, 31358), (426, 31325), (427, 31322), (436, 31295), (449, 31268), (474, 31217), (514, 31115), (591, 31022), (609, 30974), (618, 30965), (626, 30950), (666, 30884), (708, 30803), (732, 30755), (798, 30611), (819, 30530), (836, 30479), (846, 30446), (862, 30377), (875, 30338), (899, 30317), (904, 30296), (908, 30284), (983, 30104), (985, 30098), (1003, 30062), (1007, 30038), (1041, 29960), (1060, 29903), (1065, 29891),

Gene: Eraser_39 Start: 30361, Stop: 32226, Start Num: 254
Candidate Starts for Eraser_39:
(Start: 254 @30361 has 935 MA's), (Start: 288 @30409 has 1 MA's), (411, 30592), (415, 30598), (436, 30658), (443, 30679), (479, 30748), (596, 30964), (641, 31054), (647, 31063), (657, 31078), (681, 31123), (732, 31216), (788, 31354), (819, 31474), (830, 31504), (847, 31561), (860, 31618), (862, 31627), (872, 31651), (903, 31720), (929, 31792), (932, 31801), (971, 31900), (1003, 31963), (1060, 32122), (1064, 32131),

Gene: Erasmago_107 Start: 78435, Stop: 76564, Start Num: 249
Candidate Starts for Erasmago_107:
(Start: 224 @78468 has 2 MA's), (230, 78459), (232, 78456), (Start: 249 @78435 has 3 MA's), (409, 78177), (418, 78162), (425, 78141), (438, 78099), (454, 78081), (467, 78054), (470, 78048), (512, 77955), (517, 77940), (518, 77937), (594, 77862), (608, 77820), (615, 77808), (632, 77778), (647, 77751), (659, 77730), (681, 77691), (701, 77664), (755, 77553), (763, 77532), (787, 77484), (819, 77364), (835, 77313), (852, 77250), (873, 77166), (879, 77151), (920, 77046), (928, 77025), (932, 77013), (968, 76920), (976, 76902), (1035, 76761), (1041, 76734), (1060, 76677),

Gene: Eremos_60 Start: 54246, Stop: 52387, Start Num: 215
Candidate Starts for Eremos_60:
(Start: 198 @54270 has 1 MA's), (Start: 215 @54246 has 328 MA's), (Start: 245 @54222 has 14 MA's), (Start: 258 @54216 has 2 MA's), (Start: 288 @54174 has 1 MA's), (300, 54153), (360, 54039), (363, 54033), (382, 54003), (418, 53943), (425, 53922), (442, 53868), (454, 53856), (464, 53838), (469, 53826), (511, 53721), (567, 53664), (590, 53628), (594, 53616), (603, 53592), (609, 53580), (620, 53562), (630, 53544), (641, 53526), (666, 53487), (670, 53478), (671, 53475), (673, 53472), (813, 53115), (820, 53082), (827, 53061), (856, 52968), (859, 52959), (881, 52896), (904, 52860), (905, 52857), (910, 52842), (939, 52764), (944, 52752), (950, 52731), (970, 52692), (1007, 52602), (1018, 52584), (1021, 52578), (1029, 52563), (1039, 52539), (1041, 52524), (1042, 52521), (1044, 52509), (1054, 52485), (1073, 52437), (1084, 52413),

Gene: EricB_45 Start: 29620, Stop: 27779, Start Num: 254
Candidate Starts for EricB_45:
(Start: 254 @29620 has 935 MA's), (386, 29416), (426, 29341), (427, 29338), (436, 29311), (441, 29296), (449, 29284), (474, 29233), (510, 29143), (514, 29131), (591, 29038), (605, 28999), (618, 28981), (626, 28966), (666, 28900), (681, 28867), (683, 28864), (735, 28762), (767, 28702), (798, 28618), (819, 28537), (846, 28453), (847, 28450), (850, 28441), (855, 28414), (862, 28384), (899, 28324), (910, 28285), (1003, 28069), (1004, 28066), (1007, 28045), (1060, 27910), (1065, 27898), (1071, 27889), (1073, 27886), (1111, 27793),

Gene: Erik_36 Start: 28111, Stop: 26327, Start Num: 254
Candidate Starts for Erik_36:
(Start: 254 @28111 has 935 MA's), (407, 27877), (422, 27847), (425, 27838), (426, 27835), (441, 27790), (449, 27778), (474, 27727), (514, 27625), (548, 27604), (591, 27532), (606, 27487), (609, 27484), (636, 27442), (638, 27436), (647, 27421), (666, 27394), (719, 27289), (725, 27280), (734, 27262), (755, 27223), (787, 27166), (819, 27043), (834, 26995), (862, 26890), (863, 26887), (899, 26830), (904, 26809), (923, 26761), (948, 26686), (983, 26617), (1003, 26575), (1007, 26551), (1041, 26473), (1060, 26416), (1065, 26404), (1071, 26395), (1085, 26365), (1091, 26347),

Gene: Eris_44 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Eris_44:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (675, 30838), (678, 30832), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Erla_38 Start: 28612, Stop: 26747, Start Num: 339
Candidate Starts for Erla_38:
(Start: 275 @28699 has 3 MA's), (Start: 339 @28612 has 121 MA's), (Start: 342 @28603 has 5 MA's), (392, 28498), (398, 28489), (418, 28459), (419, 28456), (472, 28336), (476, 28324), (478, 28318), (518, 28213), (525, 28186), (582, 28045), (587, 28039), (588, 28036), (591, 28024), (600, 27997), (601, 27994), (612, 27979), (634, 27973), (637, 27967), (657, 27934), (725, 27805), (749, 27745), (855, 27430), (858, 27421), (859, 27418), (862, 27400), (876, 27358), (880, 27352), (895, 27328), (912, 27271), (970, 27112), (982, 27082), (985, 27073), (1004, 27013), (1007, 26989), (1025, 26950), (1039, 26917), (1040, 26905), (1058, 26845),

Gene: Eros_45 Start: 31572, Stop: 29746, Start Num: 254
Candidate Starts for Eros_45:
(Start: 254 @31572 has 935 MA's), (271, 31551), (289, 31521), (305, 31491), (413, 31329), (421, 31311), (449, 31239), (455, 31230), (505, 31110), (514, 31086), (591, 30993), (611, 30945), (626, 30924), (647, 30885), (719, 30753), (732, 30732), (755, 30687), (759, 30675), (815, 30522), (819, 30501), (855, 30378), (862, 30348), (875, 30309), (904, 30243), (905, 30240), (910, 30225), (920, 30201), (929, 30177), (1007, 29970), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: Espica_36 Start: 28114, Stop: 26330, Start Num: 254
Candidate Starts for Espica_36:
(Start: 254 @28114 has 935 MA's), (407, 27880), (422, 27850), (425, 27841), (426, 27838), (441, 27793), (449, 27781), (474, 27730), (514, 27628), (548, 27607), (591, 27535), (606, 27490), (609, 27487), (636, 27445), (638, 27439), (647, 27424), (666, 27397), (719, 27292), (725, 27283), (734, 27265), (755, 27226), (787, 27169), (819, 27046), (834, 26998), (862, 26893), (863, 26890), (899, 26833), (904, 26812), (923, 26764), (948, 26689), (983, 26620), (1003, 26578), (1007, 26554), (1041,

26476), (1060, 26419), (1065, 26407), (1071, 26398), (1085, 26368), (1091, 26350),

Gene: Espinosa_38 Start: 28630, Stop: 26765, Start Num: 339
Candidate Starts for Espinosa_38:
(Start: 275 @28717 has 3 MA's), (Start: 277 @28714 has 1 MA's), (Start: 339 @28630 has 121 MA's), (Start: 342 @28621 has 5 MA's), (392, 28516), (398, 28507), (418, 28477), (419, 28474), (472, 28354), (476, 28342), (478, 28336), (518, 28231), (525, 28204), (582, 28063), (587, 28057), (588, 28054), (591, 28042), (600, 28015), (601, 28012), (612, 27997), (634, 27991), (637, 27985), (657, 27952), (725, 27823), (749, 27763), (855, 27448), (858, 27439), (859, 27436), (862, 27418), (876, 27376), (880, 27370), (884, 27361), (895, 27346), (912, 27289), (970, 27130), (982, 27100), (985, 27091), (1004, 27031), (1007, 27007), (1025, 26968), (1039, 26935), (1040, 26923), (1058, 26863),

Gene: Espresso_44 Start: 34640, Stop: 32814, Start Num: 254
Candidate Starts for Espresso_44:
(Start: 254 @34640 has 935 MA's), (391, 34427), (426, 34364), (436, 34334), (443, 34313), (449, 34307), (455, 34298), (504, 34181), (514, 34154), (591, 34061), (596, 34046), (639, 33962), (641, 33959), (680, 33893), (701, 33863), (711, 33833), (734, 33788), (755, 33749), (819, 33569), (830, 33539), (834, 33521), (836, 33518), (847, 33482), (862, 33416), (904, 33335), (905, 33332), (935, 33251), (1003, 33101), (1004, 33098), (1012, 33062), (1029, 33038), (1034, 33029), (1038, 33017), (1060, 32942), (1071, 32921),

Gene: Et2Brutus_44 Start: 30698, Stop: 28911, Start Num: 254
Candidate Starts for Et2Brutus_44:
(Start: 254 @30698 has 935 MA's), (386, 30494), (426, 30422), (436, 30392), (449, 30365), (593, 30113), (618, 30062), (666, 29981), (688, 29936), (690, 29933), (732, 29852), (759, 29795), (786, 29753), (798, 29708), (819, 29627), (836, 29576), (847, 29540), (862, 29474), (899, 29414), (902, 29402), (938, 29300), (946, 29276), (951, 29258), (985, 29195), (1000, 29168), (1003, 29159), (1007, 29135), (1060, 29000), (1065, 28988), (1071, 28979),

Gene: Etaye_62 Start: 55077, Stop: 53218, Start Num: 215
Candidate Starts for Etaye_62:
(Start: 198 @55101 has 1 MA's), (Start: 215 @55077 has 328 MA's), (Start: 245 @55053 has 14 MA's), (Start: 258 @55047 has 2 MA's), (Start: 288 @55005 has 1 MA's), (300, 54984), (360, 54870), (363, 54864), (382, 54834), (418, 54774), (425, 54753), (442, 54699), (454, 54687), (464, 54669), (469, 54657), (511, 54552), (567, 54495), (590, 54459), (594, 54447), (603, 54423), (609, 54411), (620, 54393), (630, 54375), (641, 54357), (666, 54318), (670, 54309), (671, 54306), (673, 54303), (813, 53946), (820, 53913), (827, 53892), (856, 53799), (859, 53790), (881, 53727), (904, 53691), (905, 53688), (910, 53673), (939, 53595), (944, 53583), (950, 53562), (970, 53523), (1007, 53433), (1018, 53415), (1021, 53409), (1029, 53394), (1039, 53370), (1041, 53355), (1042, 53352), (1044, 53340), (1054, 53316), (1073, 53268), (1084, 53244),

Gene: Etna_38 Start: 29066, Stop: 27201, Start Num: 339
Candidate Starts for Etna_38:
(Start: 339 @29066 has 121 MA's), (Start: 342 @29057 has 5 MA's), (471, 28793), (476, 28778), (478, 28772), (525, 28640), (540, 28586), (544, 28574), (582, 28499), (588, 28490), (591, 28478), (600, 28451), (601, 28448), (612, 28433), (634, 28427), (639, 28415), (680, 28346), (789, 28097), (855, 27884), (858, 27875), (859, 27872), (862, 27854), (876, 27812), (912, 27725), (970, 27566), (982, 27536), (1004, 27467), (1007, 27443), (1025, 27404), (1039, 27371), (1040, 27359),

Gene: EtoileNova_45 Start: 31601, Stop: 29763, Start Num: 254
Candidate Starts for EtoileNova_45:
(Start: 254 @31601 has 935 MA's), (289, 31550), (386, 31397), (426, 31325), (436, 31295), (449, 31268), (455, 31259), (514, 31115), (591, 31019), (611, 30971), (647, 30911), (702, 30824), (719,

30779), (732, 30758), (768, 30686), (787, 30644), (798, 30602), (819, 30521), (834, 30473), (847, 30434), (855, 30398), (862, 30368), (873, 30338), (905, 30257), (920, 30218), (929, 30194), (935, 30176), (936, 30173), (985, 30047), (1007, 29987), (1043, 29900), (1060, 29852), (1065, 29840), (1071, 29831),

Gene: Etta_38 Start: 28616, Stop: 26751, Start Num: 339
Candidate Starts for Etta_38:
(Start: 275 @28703 has 3 MA's), (Start: 339 @28616 has 121 MA's), (Start: 342 @28607 has 5 MA's), (392, 28502), (398, 28493), (418, 28463), (419, 28460), (472, 28340), (476, 28328), (478, 28322), (518, 28217), (525, 28190), (582, 28049), (587, 28043), (588, 28040), (591, 28028), (600, 28001), (601, 27998), (612, 27983), (634, 27977), (637, 27971), (657, 27938), (725, 27809), (749, 27749), (855, 27434), (858, 27425), (859, 27422), (862, 27404), (876, 27362), (880, 27356), (895, 27332), (912, 27275), (970, 27116), (982, 27086), (985, 27077), (1004, 27017), (1007, 26993), (1025, 26954), (1039, 26921), (1040, 26909), (1058, 26849),

Gene: Eugenia_60 Start: 54399, Stop: 52540, Start Num: 215
Candidate Starts for Eugenia_60:
(Start: 198 @54423 has 1 MA's), (Start: 215 @54399 has 328 MA's), (Start: 245 @54375 has 14 MA's), (Start: 258 @54369 has 2 MA's), (Start: 288 @54327 has 1 MA's), (300, 54306), (360, 54192), (363, 54186), (382, 54156), (418, 54096), (425, 54075), (442, 54021), (454, 54009), (464, 53991), (469, 53979), (511, 53874), (567, 53817), (590, 53781), (594, 53769), (605, 53742), (620, 53715), (630, 53697), (641, 53679), (666, 53640), (670, 53631), (671, 53628), (813, 53268), (820, 53235), (827, 53214), (856, 53121), (859, 53112), (881, 53049), (904, 53013), (905, 53010), (910, 52995), (939, 52917), (944, 52905), (950, 52884), (970, 52845), (1007, 52755), (1018, 52737), (1021, 52731), (1029, 52716), (1039, 52692), (1041, 52677), (1042, 52674), (1044, 52662), (1054, 52638), (1073, 52590), (1084, 52566),

Gene: Eula_43 Start: 29571, Stop: 31445, Start Num: 241
Candidate Starts for Eula_43:
(Start: 238 @29568 has 7 MA's), (Start: 241 @29571 has 65 MA's), (Start: 299 @29640 has 1 MA's), (315, 29661), (426, 29841), (455, 29907), (474, 29949), (647, 30243), (719, 30378), (766, 30477), (804, 30600), (819, 30660), (822, 30666), (836, 30711), (845, 30741), (853, 30777), (862, 30813), (903, 30906), (936, 30999), (967, 31077), (1003, 31149), (1012, 31188), (1037, 31230), (1040, 31248), (1060, 31308), (1071, 31329),

Gene: Euphoria_43 Start: 34128, Stop: 32302, Start Num: 254
Candidate Starts for Euphoria_43:
(Start: 254 @34128 has 935 MA's), (391, 33915), (400, 33900), (426, 33852), (436, 33822), (443, 33801), (449, 33795), (455, 33786), (504, 33669), (514, 33642), (591, 33549), (596, 33534), (609, 33501), (639, 33450), (641, 33447), (680, 33381), (701, 33351), (711, 33321), (734, 33276), (755, 33237), (819, 33057), (830, 33027), (834, 33009), (836, 33006), (847, 32970), (862, 32904), (904, 32823), (905, 32820), (935, 32739), (1003, 32589), (1004, 32586), (1012, 32550), (1029, 32526), (1034, 32517), (1038, 32505), (1041, 32487), (1043, 32478), (1060, 32430), (1071, 32409),

Gene: Euratis_35 Start: 26897, Stop: 28750, Start Num: 254
Candidate Starts for Euratis_35:
(Start: 254 @26897 has 935 MA's), (271, 26918), (305, 26978), (338, 27011), (386, 27098), (418, 27146), (436, 27200), (437, 27203), (443, 27221), (449, 27227), (473, 27275), (501, 27344), (513, 27377), (593, 27476), (618, 27533), (626, 27548), (639, 27575), (647, 27587), (658, 27605), (679, 27641), (705, 27683), (708, 27692), (727, 27734), (732, 27740), (761, 27800), (764, 27809), (804, 27938), (819, 27998), (834, 28049), (841, 28064), (853, 28121), (855, 28127), (856, 28130), (859, 28139), (862, 28157), (866, 28172), (874, 28202), (902, 28256), (936, 28352), (971, 28439), (996, 28481), (1007, 28526), (1012, 28541), (1021, 28550), (1035, 28577), (1041, 28604), (1060, 28661),

(1063, 28667), (1071, 28682), (1076, 28691),

Gene: Eurydice_46 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for Eurydice_46:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Evaa_50 Start: 46072, Stop: 44267, Start Num: 251
Candidate Starts for Evaa_50:
(223, 46111), (Start: 251 @46072 has 15 MA's), (280, 46036), (334, 45955), (338, 45949), (360, 45895), (388, 45853), (487, 45658), (495, 45631), (511, 45592), (567, 45535), (590, 45499), (603, 45463), (671, 45346), (796, 45055), (806, 45016), (813, 44992), (814, 44986), (820, 44959), (824, 44947), (854, 44854), (856, 44848), (859, 44839), (879, 44776), (904, 44740), (910, 44722), (939, 44644), (944, 44632), (950, 44611), (970, 44572), (996, 44527), (1004, 44503), (1021, 44458), (1039, 44419), (1041, 44404), (1054, 44365), (1084, 44293),

Gene: EvilGenius_47 Start: 33208, Stop: 31421, Start Num: 254
Candidate Starts for EvilGenius_47:
(Start: 254 @33208 has 935 MA's), (388, 33001), (391, 32995), (402, 32980), (413, 32965), (427, 32929), (436, 32902), (449, 32875), (463, 32854), (494, 32773), (514, 32722), (591, 32629), (609, 32581), (618, 32572), (626, 32557), (666, 32491), (732, 32362), (734, 32356), (819, 32137), (836, 32086), (846, 32053), (847, 32050), (862, 31984), (875, 31945), (899, 31924), (925, 31849), (929, 31837), (946, 31786), (975, 31723), (985, 31705), (1003, 31669), (1007, 31645), (1041, 31567), (1060, 31510), (1065, 31498), (1071, 31489),

Gene: Exile_36 Start: 30877, Stop: 32721, Start Num: 254
Candidate Starts for Exile_36:
(Start: 254 @30877 has 935 MA's), (419, 31123), (625, 31516), (647, 31558), (657, 31573), (666, 31585), (708, 31663), (719, 31690), (726, 31702), (732, 31711), (788, 31849), (819, 31969), (830, 31999), (862, 32122), (873, 32152), (903, 32215), (905, 32224), (1007, 32482), (1035, 32533), (1037, 32539), (1040, 32557), (1060, 32617),

Gene: Expelliarmus_42 Start: 30600, Stop: 28756, Start Num: 254
Candidate Starts for Expelliarmus_42:
(Start: 149 @30765 has 1 MA's), (Start: 254 @30600 has 935 MA's), (289, 30549), (371, 30426), (386, 30396), (413, 30357), (426, 30324), (436, 30294), (443, 30273), (449, 30267), (455, 30258), (494, 30165), (514, 30114), (591, 30018), (600, 29991), (606, 29973), (609, 29970), (618, 29961), (647, 29907), (666, 29880), (690, 29832), (719, 29775), (734, 29748), (759, 29697), (768, 29682), (815, 29535), (819, 29514), (830, 29484), (834, 29466), (836, 29463), (843, 29448), (847, 29427), (850, 29418), (855, 29391), (859, 29379), (862, 29361), (904, 29280), (908, 29268), (929, 29214), (941, 29178), (953, 29142), (971, 29109), (983, 29088), (985, 29082), (1004, 29043), (1007, 29022), (1018, 29004), (1060, 28887), (1065, 28875),

Gene: Exploradora_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for Exploradora_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365),

(880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: ExplosioNervosa_45 Start: 31573, Stop: 29780, Start Num: 254
Candidate Starts for ExplosioNervosa_45:
(Start: 254 @31573 has 935 MA's), (261, 31564), (289, 31522), (369, 31402), (371, 31399), (396, 31351), (427, 31291), (437, 31261), (441, 31249), (449, 31237), (514, 31084), (591, 30991), (666, 30853), (680, 30823), (759, 30664), (767, 30652), (785, 30625), (815, 30517), (819, 30496), (859, 30361), (862, 30343), (904, 30262), (920, 30220), (946, 30145), (983, 30070), (1003, 30028), (1041, 29926), (1060, 29869), (1065, 29857), (1071, 29848),

Gene: Eyeball_46 Start: 35014, Stop: 33227, Start Num: 254
Candidate Starts for Eyeball_46:
(Start: 254 @35014 has 935 MA's), (391, 34801), (400, 34786), (436, 34708), (443, 34687), (449, 34681), (455, 34672), (504, 34555), (514, 34528), (591, 34435), (596, 34420), (639, 34336), (641, 34333), (680, 34267), (701, 34237), (711, 34207), (734, 34162), (755, 34123), (819, 33943), (834, 33895), (847, 33856), (862, 33790), (902, 33718), (904, 33709), (935, 33625), (971, 33538), (1029, 33412), (1035, 33400), (1060, 33316), (1063, 33310),

Gene: Ezurina_39 Start: 29747, Stop: 27957, Start Num: 236
Candidate Starts for Ezurina_39:
(Start: 229 @29762 has 1 MA's), (Start: 236 @29747 has 5 MA's), (Start: 245 @29738 has 14 MA's), (328, 29615), (356, 29567), (437, 29429), (438, 29423), (467, 29375), (506, 29294), (509, 29288), (517, 29264), (591, 29195), (632, 29114), (647, 29087), (657, 29072), (692, 29009), (734, 28928), (736, 28922), (755, 28886), (774, 28850), (786, 28841), (815, 28736), (822, 28709), (847, 28628), (851, 28613), (856, 28589), (862, 28562), (875, 28523), (906, 28448), (932, 28379), (948, 28331), (956, 28310), (979, 28256), (984, 28241), (999, 28214), (1008, 28175), (1018, 28160), (1037, 28118), (1041, 28097), (1042, 28094), (1045, 28076), (1054, 28061),

Gene: FF47_43 Start: 34250, Stop: 31839, Start Num: 56
Candidate Starts for FF47_43:
(Start: 56 @34250 has 1 MA's), (61, 34241), (Start: 75 @34196 has 1 MA's), (Start: 82 @34184 has 1 MA's), (Start: 96 @34145 has 1 MA's), (165, 33986), (182, 33956), (213, 33926), (329, 33758), (392, 33638), (438, 33536), (476, 33455), (497, 33395), (522, 33329), (569, 33197), (593, 33149), (664, 33077), (668, 33068), (679, 33056), (733, 32987), (810, 32774), (823, 32720), (848, 32639), (855, 32606), (874, 32540), (876, 32534), (880, 32528), (883, 32522), (897, 32498), (905, 32465), (910, 32450), (912, 32441), (970, 32282), (974, 32270), (1049, 32042), (1058, 32015), (1081, 31946),

Gene: Fajezeel_47 Start: 35124, Stop: 33337, Start Num: 254
Candidate Starts for Fajezeel_47:
(Start: 254 @35124 has 935 MA's), (391, 34911), (400, 34896), (426, 34848), (436, 34818), (443, 34797), (449, 34791), (455, 34782), (504, 34665), (514, 34638), (591, 34545), (596, 34530), (609, 34497), (639, 34446), (641, 34443), (680, 34377), (701, 34347), (711, 34317), (734, 34272), (755, 34233), (819, 34053), (834, 34005), (847, 33966), (862, 33900), (902, 33828), (904, 33819), (935, 33735), (971, 33648), (1029, 33522), (1035, 33510), (1060, 33426), (1063, 33420),

Gene: Fameo_44 Start: 31472, Stop: 29685, Start Num: 254
Candidate Starts for Fameo_44:
(59, 31850), (126, 31661), (144, 31622), (Start: 254 @31472 has 935 MA's), (386, 31268), (388, 31265), (391, 31259), (402, 31244), (413, 31229), (426, 31196), (427, 31193), (436, 31166), (449, 31139), (463, 31118), (514, 30986), (591, 30893), (603, 30857), (609, 30845), (618, 30836), (626, 30821), (666, 30755), (708, 30674), (732, 30626), (734, 30620), (767, 30557), (819, 30401), (836, 30350), (846, 30317), (847, 30314), (862, 30248), (875, 30209), (899, 30188), (925, 30113), (929,

30101), (975, 29987), (985, 29969), (1000, 29942), (1003, 29933), (1007, 29909), (1041, 29831), (1060, 29774), (1065, 29762), (1071, 29753),

Gene: Fanaw_52 Start: 53739, Stop: 51916, Start Num: 208
Candidate Starts for Fanaw_52:
(Start: 190 @53757 has 4 MA's), (Start: 208 @53739 has 32 MA's), (Start: 258 @53715 has 2 MA's), (Start: 288 @53673 has 1 MA's), (300, 53652), (353, 53565), (415, 53460), (425, 53433), (430, 53418), (464, 53352), (477, 53322), (481, 53313), (487, 53310), (489, 53307), (567, 53187), (582, 53169), (590, 53151), (594, 53139), (605, 53112), (641, 53049), (666, 53010), (670, 53001), (671, 52998), (684, 52968), (706, 52932), (796, 52707), (797, 52704), (806, 52668), (813, 52644), (820, 52611), (854, 52503), (856, 52497), (859, 52488), (904, 52389), (905, 52386), (910, 52371), (920, 52347), (939, 52293), (944, 52281), (950, 52260), (953, 52251), (970, 52221), (985, 52191), (1000, 52164), (1007, 52131), (1021, 52107), (1039, 52068), (1042, 52050), (1044, 52038), (1054, 52014), (1070, 51972), (1073, 51966), (1084, 51942),

Gene: Fang_62 Start: 54292, Stop: 52433, Start Num: 215
Candidate Starts for Fang_62:
(Start: 198 @54316 has 1 MA's), (Start: 215 @54292 has 328 MA's), (Start: 245 @54268 has 14 MA's), (Start: 258 @54262 has 2 MA's), (Start: 288 @54220 has 1 MA's), (300, 54199), (360, 54085), (363, 54079), (382, 54049), (418, 53989), (425, 53968), (442, 53914), (454, 53902), (464, 53884), (469, 53872), (511, 53767), (567, 53710), (590, 53674), (594, 53662), (605, 53635), (620, 53608), (630, 53590), (641, 53572), (666, 53533), (670, 53524), (671, 53521), (783, 53263), (813, 53161), (820, 53128), (827, 53107), (856, 53014), (859, 53005), (881, 52942), (904, 52906), (905, 52903), (910, 52888), (939, 52810), (944, 52798), (950, 52777), (970, 52738), (1007, 52648), (1018, 52630), (1021, 52624), (1029, 52609), (1039, 52585), (1041, 52570), (1042, 52567), (1044, 52555), (1054, 52531), (1073, 52483), (1084, 52459),

Gene: Farber_48 Start: 31846, Stop: 30032, Start Num: 254
Candidate Starts for Farber_48:
(Start: 254 @31846 has 935 MA's), (284, 31807), (289, 31795), (386, 31642), (395, 31627), (426, 31570), (449, 31513), (455, 31504), (474, 31462), (494, 31411), (514, 31360), (568, 31306), (591, 31267), (609, 31219), (626, 31195), (647, 31156), (666, 31129), (680, 31099), (727, 31006), (734, 30994), (758, 30946), (767, 30931), (819, 30775), (836, 30724), (846, 30691), (847, 30688), (862, 30622), (875, 30583), (905, 30511), (920, 30472), (929, 30448), (935, 30430), (946, 30397), (956, 30370), (985, 30316), (1007, 30256), (1041, 30178), (1060, 30121), (1065, 30109), (1071, 30100),

Gene: FarmerDoug_38 Start: 28918, Stop: 27050, Start Num: 339
Candidate Starts for FarmerDoug_38:
(216, 29086), (Start: 246 @29041 has 3 MA's), (283, 28996), (Start: 339 @28918 has 121 MA's), (Start: 342 @28909 has 5 MA's), (469, 28651), (471, 28645), (476, 28630), (478, 28624), (525, 28492), (540, 28438), (544, 28426), (582, 28351), (588, 28342), (591, 28330), (600, 28303), (601, 28300), (612, 28285), (634, 28279), (639, 28267), (654, 28243), (855, 27736), (858, 27727), (859, 27724), (862, 27706), (876, 27664), (912, 27574), (970, 27415), (982, 27385), (1004, 27316), (1007, 27292), (1009, 27286), (1025, 27253), (1039, 27220), (1040, 27208),

Gene: Fascinus_41 Start: 33978, Stop: 32152, Start Num: 254
Candidate Starts for Fascinus_41:
(Start: 254 @33978 has 935 MA's), (391, 33765), (400, 33750), (426, 33702), (436, 33672), (443, 33651), (449, 33645), (455, 33636), (504, 33519), (514, 33492), (591, 33399), (596, 33384), (609, 33351), (639, 33300), (641, 33297), (680, 33231), (711, 33171), (734, 33126), (755, 33087), (819, 32907), (834, 32859), (847, 32820), (862, 32754), (875, 32715), (899, 32694), (904, 32673), (910, 32655), (935, 32589), (1003, 32439), (1004, 32436), (1012, 32400), (1029, 32376), (1034, 32367), (1038, 32355), (1043, 32328), (1060, 32280), (1071, 32259),

Gene: FatCactus_36 Start: 28343, Stop: 26556, Start Num: 254
Candidate Starts for FatCactus_36:
(Start: 254 @28343 has 935 MA's), (386, 28136), (388, 28133), (426, 28064), (449, 28007), (455, 27998), (494, 27905), (514, 27854), (591, 27761), (605, 27722), (606, 27716), (609, 27713), (618, 27704), (626, 27689), (658, 27632), (680, 27593), (696, 27569), (719, 27518), (727, 27503), (785, 27401), (801, 27341), (815, 27293), (819, 27272), (834, 27224), (846, 27188), (855, 27149), (862, 27119), (868, 27101), (904, 27038), (931, 26966), (946, 26921), (948, 26915), (985, 26840), (1000, 26813), (1012, 26765), (1051, 26675), (1060, 26645), (1065, 26633), (1071, 26624),

Gene: Fayely_45 Start: 31516, Stop: 29723, Start Num: 254
Candidate Starts for Fayely_45:
(Start: 254 @31516 has 935 MA's), (261, 31507), (289, 31465), (369, 31345), (371, 31342), (396, 31294), (427, 31234), (437, 31204), (441, 31192), (449, 31180), (514, 31027), (591, 30934), (666, 30796), (680, 30766), (759, 30607), (767, 30595), (785, 30568), (815, 30460), (819, 30439), (859, 30304), (862, 30286), (904, 30205), (920, 30163), (946, 30088), (983, 30013), (1003, 29971), (1041, 29869), (1060, 29812), (1065, 29800), (1071, 29791),

Gene: Faze9_56 Start: 52623, Stop: 50794, Start Num: 215
Candidate Starts for Faze9_56:
(Start: 215 @52623 has 328 MA's), (Start: 258 @52596 has 2 MA's), (Start: 282 @52566 has 7 MA's), (Start: 288 @52554 has 1 MA's), (Start: 304 @52527 has 2 MA's), (305, 52524), (314, 52515), (338, 52497), (388, 52401), (418, 52350), (426, 52326), (433, 52302), (496, 52164), (503, 52149), (506, 52140), (511, 52128), (567, 52071), (590, 52035), (594, 52023), (603, 51999), (652, 51915), (670, 51885), (671, 51882), (684, 51852), (753, 51708), (778, 51642), (796, 51591), (800, 51570), (806, 51552), (820, 51495), (844, 51438), (850, 51411), (856, 51381), (859, 51372), (879, 51306), (902, 51279), (904, 51270), (910, 51252), (920, 51228), (939, 51174), (944, 51162), (950, 51141), (985, 51072), (1007, 51012), (1018, 50994), (1035, 50961), (1039, 50949), (1041, 50934), (1042, 50931), (1044, 50919), (1054, 50895), (1055, 50892), (1073, 50844), (1075, 50841), (1084, 50820), (1091, 50799),

Gene: Feastonyeet_44 Start: 33868, Stop: 31490, Start Num: 58
Candidate Starts for Feastonyeet_44:
(Start: 58 @33868 has 15 MA's), (80, 33808), (99, 33766), (115, 33727), (150, 33637), (165, 33607), (176, 33586), (213, 33562), (270, 33484), (Start: 275 @33478 has 3 MA's), (Start: 277 @33475 has 1 MA's), (297, 33445), (307, 33427), (318, 33409), (341, 33370), (Start: 342 @33367 has 5 MA's), (367, 33310), (379, 33286), (392, 33271), (426, 33208), (434, 33184), (437, 33175), (438, 33169), (441, 33163), (459, 33130), (469, 33109), (476, 33088), (537, 32905), (569, 32830), (591, 32788), (668, 32701), (706, 32677), (716, 32653), (720, 32644), (730, 32623), (754, 32572), (755, 32569), (761, 32554), (773, 32533), (810, 32407), (823, 32359), (825, 32350), (841, 32308), (862, 32215), (874, 32179), (876, 32173), (880, 32167), (883, 32161), (905, 32104), (912, 32080), (945, 31975), (946, 31972), (986, 31879), (991, 31861), (1004, 31822), (1013, 31780), (1027, 31756), (1039, 31726), (1050, 31678), (1058, 31654), (1064, 31630), (1072, 31609), (1108, 31522), (1113, 31510),

Gene: FelixTres_53 Start: 47631, Stop: 45814, Start Num: 251
Candidate Starts for FelixTres_53:
(Start: 251 @47631 has 15 MA's), (Start: 258 @47622 has 2 MA's), (280, 47595), (287, 47583), (300, 47559), (305, 47550), (360, 47454), (388, 47412), (409, 47376), (437, 47301), (477, 47226), (511, 47148), (567, 47091), (590, 47055), (594, 47043), (599, 47028), (603, 47019), (658, 46926), (671, 46902), (679, 46884), (796, 46611), (806, 46572), (814, 46542), (820, 46515), (854, 46407), (856, 46401), (859, 46392), (902, 46302), (904, 46293), (905, 46290), (910, 46275), (939, 46197), (944, 46185), (945, 46179), (950, 46164), (974, 46116), (1000, 46068), (1007, 46035), (1021, 46011), (1039, 45972), (1041, 45957), (1054, 45912), (1084, 45840),

Gene: Fenn_46 Start: 36445, Stop: 34658, Start Num: 254
Candidate Starts for Fenn_46:
(Start: 254 @36445 has 935 MA's), (391, 36232), (400, 36217), (426, 36169), (436, 36139), (449, 36112), (455, 36103), (504, 35986), (514, 35959), (591, 35866), (596, 35851), (609, 35818), (639, 35767), (641, 35764), (680, 35698), (711, 35638), (734, 35593), (755, 35554), (819, 35374), (834, 35326), (847, 35287), (862, 35221), (902, 35149), (904, 35140), (935, 35056), (971, 34969), (1029, 34843), (1035, 34831), (1060, 34747), (1063, 34741),

Gene: Fernando_48 Start: 31852, Stop: 30038, Start Num: 254
Candidate Starts for Fernando_48:
(Start: 254 @31852 has 935 MA's), (284, 31813), (289, 31801), (386, 31648), (395, 31633), (426, 31576), (449, 31519), (455, 31510), (474, 31468), (494, 31417), (514, 31366), (591, 31273), (609, 31225), (618, 31216), (626, 31201), (647, 31162), (666, 31135), (680, 31105), (727, 31012), (758, 30952), (767, 30937), (819, 30781), (847, 30694), (862, 30628), (875, 30589), (905, 30517), (920, 30478), (929, 30454), (935, 30436), (946, 30403), (956, 30376), (985, 30322), (1007, 30262), (1041, 30184), (1060, 30127), (1065, 30115), (1071, 30106),

Gene: Fibonacci_44 Start: 30330, Stop: 28543, Start Num: 254
Candidate Starts for Fibonacci_44:
(Start: 254 @30330 has 935 MA's), (386, 30126), (426, 30054), (436, 30024), (449, 29997), (593, 29745), (618, 29694), (666, 29613), (688, 29568), (690, 29565), (732, 29484), (759, 29427), (786, 29385), (798, 29340), (819, 29259), (836, 29208), (847, 29172), (862, 29106), (899, 29046), (902, 29034), (938, 28932), (946, 28908), (951, 28890), (985, 28827), (1000, 28800), (1003, 28791), (1007, 28767), (1060, 28632), (1065, 28620), (1071, 28611),

Gene: Figueroism_39 Start: 28924, Stop: 27059, Start Num: 339
Candidate Starts for Figueroism_39:
(Start: 275 @29011 has 3 MA's), (Start: 277 @29008 has 1 MA's), (Start: 339 @28924 has 121 MA's), (Start: 342 @28915 has 5 MA's), (392, 28810), (398, 28801), (418, 28771), (419, 28768), (472, 28648), (476, 28636), (478, 28630), (518, 28525), (525, 28498), (582, 28357), (587, 28351), (588, 28348), (591, 28336), (600, 28309), (601, 28306), (612, 28291), (634, 28285), (637, 28279), (657, 28246), (725, 28117), (749, 28057), (855, 27742), (858, 27733), (859, 27730), (862, 27712), (876, 27670), (880, 27664), (884, 27655), (895, 27640), (912, 27583), (970, 27424), (982, 27394), (985, 27385), (1004, 27325), (1007, 27301), (1025, 27262), (1039, 27229), (1040, 27217), (1058, 27157),

Gene: Finalfrontier_43 Start: 30430, Stop: 32304, Start Num: 241
Candidate Starts for Finalfrontier_43:
(Start: 238 @30427 has 7 MA's), (Start: 241 @30430 has 65 MA's), (Start: 299 @30499 has 1 MA's), (315, 30520), (426, 30700), (455, 30766), (474, 30808), (647, 31102), (719, 31237), (766, 31336), (804, 31459), (819, 31519), (822, 31525), (836, 31570), (843, 31585), (845, 31600), (853, 31636), (862, 31672), (903, 31765), (936, 31858), (967, 31936), (1003, 32008), (1012, 32047), (1037, 32089), (1040, 32107), (1060, 32167), (1071, 32188),

Gene: Finny_38 Start: 28772, Stop: 26907, Start Num: 337
Candidate Starts for Finny_38:
(Start: 337 @28772 has 44 MA's), (381, 28673), (420, 28613), (438, 28562), (476, 28484), (478, 28478), (494, 28433), (495, 28430), (496, 28427), (511, 28388), (531, 28328), (582, 28205), (588, 28196), (591, 28184), (595, 28172), (601, 28154), (634, 28133), (639, 28121), (731, 27950), (796, 27782), (850, 27617), (858, 27581), (862, 27560), (876, 27518), (912, 27431), (925, 27386), (962, 27287), (982, 27242), (1004, 27173), (1007, 27149), (1022, 27116), (1058, 27005),

Gene: FiringLine_44 Start: 31266, Stop: 29479, Start Num: 254

Candidate Starts for FiringLine_44:
(114, 31521), (Start: 254 @31266 has 935 MA's), (386, 31062), (388, 31059), (391, 31053), (402, 31038), (413, 31023), (426, 30990), (427, 30987), (436, 30960), (449, 30933), (463, 30912), (474, 30882), (514, 30780), (591, 30687), (609, 30639), (618, 30630), (626, 30615), (666, 30549), (708, 30468), (732, 30420), (734, 30414), (767, 30351), (798, 30276), (819, 30195), (836, 30144), (846, 30111), (847, 30108), (862, 30042), (875, 30003), (899, 29982), (925, 29907), (931, 29889), (946, 29844), (956, 29817), (975, 29781), (983, 29769), (985, 29763), (1003, 29727), (1007, 29703), (1041, 29625), (1060, 29568), (1065, 29556), (1071, 29547),

Gene: First_0044 Start: 31142, Stop: 29355, Start Num: 254
Candidate Starts for First_0044:
(52, 31559), (Start: 254 @31142 has 935 MA's), (386, 30938), (388, 30935), (391, 30929), (402, 30914), (413, 30899), (426, 30866), (427, 30863), (436, 30836), (449, 30809), (463, 30788), (474, 30758), (514, 30656), (591, 30563), (594, 30554), (609, 30515), (618, 30506), (626, 30491), (666, 30425), (708, 30344), (732, 30296), (734, 30290), (767, 30227), (798, 30152), (819, 30071), (846, 29987), (847, 29984), (862, 29918), (875, 29879), (899, 29858), (925, 29783), (931, 29765), (935, 29753), (946, 29720), (956, 29693), (975, 29657), (985, 29639), (1003, 29603), (1007, 29579), (1037, 29522), (1041, 29501), (1060, 29444), (1065, 29432), (1071, 29423),

Gene: FiveHead_49 Start: 30580, Stop: 32442, Start Num: 254
Candidate Starts for FiveHead_49:
(Start: 254 @30580 has 935 MA's), (Start: 288 @30628 has 1 MA's), (391, 30793), (436, 30877), (470, 30943), (599, 31189), (647, 31279), (727, 31426), (732, 31432), (769, 31516), (819, 31690), (846, 31774), (853, 31807), (903, 31936), (905, 31945), (943, 32047), (1021, 32227), (1041, 32281), (1060, 32338),

Gene: Flake_61 Start: 54288, Stop: 52429, Start Num: 215
Candidate Starts for Flake_61:
(Start: 198 @54312 has 1 MA's), (Start: 215 @54288 has 328 MA's), (Start: 245 @54264 has 14 MA's), (Start: 258 @54258 has 2 MA's), (Start: 288 @54216 has 1 MA's), (300, 54195), (360, 54081), (363, 54075), (382, 54045), (418, 53985), (425, 53964), (442, 53910), (454, 53898), (464, 53880), (469, 53868), (511, 53763), (567, 53706), (590, 53670), (594, 53658), (605, 53631), (630, 53586), (666, 53529), (670, 53520), (671, 53517), (813, 53157), (820, 53124), (827, 53103), (856, 53010), (859, 53001), (881, 52938), (904, 52902), (905, 52899), (910, 52884), (939, 52806), (944, 52794), (950, 52773), (970, 52734), (1007, 52644), (1018, 52626), (1021, 52620), (1029, 52605), (1039, 52581), (1041, 52566), (1042, 52563), (1044, 52551), (1054, 52527), (1073, 52479), (1084, 52455),

Gene: FlameThrower_40 Start: 29788, Stop: 31659, Start Num: 241
Candidate Starts for FlameThrower_40:
(Start: 241 @29788 has 65 MA's), (Start: 299 @29857 has 1 MA's), (369, 29962), (373, 29971), (455, 30124), (501, 30220), (504, 30229), (549, 30274), (602, 30379), (624, 30415), (647, 30460), (657, 30475), (708, 30568), (819, 30874), (836, 30925), (843, 30940), (853, 30991), (862, 31027), (903, 31120), (929, 31192), (967, 31291), (1003, 31363), (1007, 31387), (1037, 31444), (1053, 31498), (1060, 31522), (1071, 31543),

Gene: Flare16_44 Start: 31360, Stop: 29573, Start Num: 254
Candidate Starts for Flare16_44:
(Start: 254 @31360 has 935 MA's), (386, 31156), (388, 31153), (391, 31147), (413, 31117), (426, 31084), (427, 31081), (436, 31054), (449, 31027), (474, 30976), (514, 30874), (591, 30781), (609, 30733), (618, 30724), (626, 30709), (666, 30643), (708, 30562), (732, 30514), (798, 30370), (819, 30289), (836, 30238), (846, 30205), (862, 30136), (875, 30097), (899, 30076), (904, 30055), (908, 30043), (983, 29863), (985, 29857), (1003, 29821), (1007, 29797), (1041, 29719), (1060, 29662), (1065, 29650),

Gene: Flaverint_45 Start: 30777, Stop: 28990, Start Num: 254
Candidate Starts for Flaverint_45:
(Start: 254 @30777 has 935 MA's), (386, 30573), (426, 30501), (436, 30471), (449, 30444), (593, 30192), (618, 30141), (666, 30060), (688, 30015), (759, 29874), (786, 29832), (798, 29787), (819, 29706), (836, 29655), (847, 29619), (862, 29553), (899, 29493), (902, 29481), (938, 29379), (946, 29355), (951, 29337), (985, 29274), (1000, 29247), (1003, 29238), (1007, 29214), (1060, 29079), (1065, 29067), (1071, 29058),

Gene: FleetyMac_63 Start: 54230, Stop: 52371, Start Num: 215
Candidate Starts for FleetyMac_63:
(Start: 198 @54254 has 1 MA's), (Start: 215 @54230 has 328 MA's), (Start: 245 @54206 has 14 MA's), (Start: 258 @54200 has 2 MA's), (Start: 288 @54158 has 1 MA's), (300, 54137), (360, 54023), (363, 54017), (382, 53987), (418, 53927), (425, 53906), (442, 53852), (454, 53840), (464, 53822), (469, 53810), (511, 53705), (567, 53648), (590, 53612), (594, 53600), (603, 53576), (609, 53564), (620, 53546), (630, 53528), (641, 53510), (666, 53471), (670, 53462), (671, 53459), (673, 53456), (813, 53099), (820, 53066), (827, 53045), (856, 52952), (859, 52943), (881, 52880), (904, 52844), (905, 52841), (910, 52826), (939, 52748), (944, 52736), (950, 52715), (970, 52676), (1007, 52586), (1018, 52568), (1021, 52562), (1029, 52547), (1039, 52523), (1041, 52508), (1042, 52505), (1044, 52493), (1054, 52469), (1073, 52421), (1084, 52397),

Gene: Floof_49 Start: 32023, Stop: 33888, Start Num: 253
Candidate Starts for Floof_49:
(Start: 253 @32023 has 33 MA's), (436, 32320), (501, 32464), (593, 32617), (616, 32668), (647, 32725), (727, 32872), (732, 32878), (759, 32935), (762, 32941), (798, 33055), (819, 33136), (841, 33199), (852, 33247), (853, 33253), (863, 33292), (923, 33436), (927, 33448), (932, 33463), (936, 33475), (970, 33559), (1018, 33667), (1039, 33712), (1060, 33784), (1105, 33883),

Gene: FloraSnap32_99 Start: 77347, Stop: 79143, Start Num: 265
Candidate Starts for FloraSnap32_99:
(Start: 265 @77347 has 10 MA's), (325, 77440), (334, 77443), (454, 77659), (467, 77686), (470, 77692), (504, 77761), (517, 77797), (632, 77944), (635, 77950), (647, 77971), (657, 77986), (755, 78175), (777, 78220), (790, 78253), (795, 78271), (801, 78298), (803, 78304), (815, 78343), (819, 78364), (822, 78370), (853, 78484), (874, 78568), (876, 78574), (884, 78586), (903, 78634), (906, 78646), (920, 78682), (932, 78715), (935, 78724), (950, 78769), (958, 78787), (996, 78871), (1003, 78892), (1008, 78919), (1018, 78934), (1035, 78967), (1040, 78991), (1045, 79015), (1060, 79051), (1075, 79078),

Gene: Florean_45 Start: 31569, Stop: 29743, Start Num: 254
Candidate Starts for Florean_45:
(Start: 254 @31569 has 935 MA's), (271, 31548), (289, 31518), (305, 31488), (413, 31326), (421, 31308), (449, 31236), (455, 31227), (505, 31107), (514, 31083), (591, 30990), (611, 30942), (626, 30921), (647, 30882), (719, 30750), (732, 30729), (755, 30684), (759, 30672), (815, 30519), (819, 30498), (855, 30375), (862, 30345), (875, 30306), (904, 30240), (905, 30237), (910, 30222), (920, 30198), (929, 30174), (1007, 29967), (1060, 29832), (1065, 29820), (1071, 29811),

Gene: Florence1_37 Start: 30018, Stop: 28174, Start Num: 254
Candidate Starts for Florence1_37:
(Start: 254 @30018 has 935 MA's), (289, 29967), (334, 29907), (371, 29844), (386, 29814), (388, 29811), (422, 29754), (426, 29742), (436, 29712), (449, 29685), (514, 29532), (591, 29436), (609, 29388), (659, 29304), (666, 29298), (706, 29226), (719, 29193), (727, 29178), (734, 29166), (783, 29067), (819, 28932), (830, 28902), (834, 28884), (836, 28881), (847, 28845), (850, 28836), (853, 28815), (856, 28806), (862, 28779), (863, 28776), (899, 28719), (904, 28698), (946, 28581), (971,

28527), (975, 28518), (985, 28500), (1018, 28422), (1040, 28365), (1053, 28329), (1060, 28305), (1065, 28293),

Gene: Florence4_38 Start: 30018, Stop: 28174, Start Num: 254
Candidate Starts for Florence4_38:
(Start: 254 @30018 has 935 MA's), (289, 29967), (334, 29907), (371, 29844), (386, 29814), (388, 29811), (422, 29754), (426, 29742), (436, 29712), (449, 29685), (514, 29532), (591, 29436), (609, 29388), (659, 29304), (666, 29298), (706, 29226), (719, 29193), (727, 29178), (734, 29166), (783, 29067), (819, 28932), (830, 28902), (834, 28884), (836, 28881), (847, 28845), (850, 28836), (853, 28815), (856, 28806), (862, 28779), (863, 28776), (899, 28719), (904, 28698), (946, 28581), (971, 28527), (975, 28518), (985, 28500), (1018, 28422), (1040, 28365), (1053, 28329), (1060, 28305), (1065, 28293),

Gene: FluffyNinja_62 Start: 54312, Stop: 52453, Start Num: 215
Candidate Starts for FluffyNinja_62:
(Start: 198 @54336 has 1 MA's), (Start: 215 @54312 has 328 MA's), (Start: 245 @54288 has 14 MA's), (Start: 258 @54282 has 2 MA's), (Start: 288 @54240 has 1 MA's), (300, 54219), (360, 54105), (363, 54099), (382, 54069), (418, 54009), (425, 53988), (442, 53934), (454, 53922), (464, 53904), (469, 53892), (511, 53787), (567, 53730), (590, 53694), (594, 53682), (603, 53658), (609, 53646), (620, 53628), (630, 53610), (641, 53592), (666, 53553), (670, 53544), (671, 53541), (673, 53538), (813, 53181), (820, 53148), (827, 53127), (856, 53034), (859, 53025), (881, 52962), (904, 52926), (905, 52923), (910, 52908), (939, 52830), (944, 52818), (950, 52797), (970, 52758), (1007, 52668), (1018, 52650), (1021, 52644), (1029, 52629), (1039, 52605), (1041, 52590), (1042, 52587), (1044, 52575), (1054, 52551), (1073, 52503), (1084, 52479),

Gene: Flutur_40 Start: 29934, Stop: 31799, Start Num: 254
Candidate Starts for Flutur_40:
(Start: 254 @29934 has 935 MA's), (Start: 288 @29982 has 1 MA's), (436, 30231), (479, 30321), (593, 30528), (596, 30537), (641, 30627), (647, 30636), (657, 30651), (681, 30696), (708, 30741), (732, 30789), (759, 30846), (788, 30927), (812, 31014), (819, 31047), (830, 31077), (847, 31134), (862, 31200), (872, 31224), (903, 31293), (929, 31365), (971, 31473), (1003, 31536), (1007, 31560), (1053, 31671), (1060, 31695), (1064, 31704),

Gene: Flux_45 Start: 31569, Stop: 29743, Start Num: 254
Candidate Starts for Flux_45:
(Start: 254 @31569 has 935 MA's), (271, 31548), (289, 31518), (305, 31488), (413, 31326), (421, 31308), (449, 31236), (455, 31227), (505, 31107), (514, 31083), (591, 30990), (611, 30942), (626, 30921), (647, 30882), (719, 30750), (732, 30729), (755, 30684), (759, 30672), (815, 30519), (819, 30498), (855, 30375), (862, 30345), (875, 30306), (904, 30240), (905, 30237), (910, 30222), (920, 30198), (929, 30174), (1007, 29967), (1060, 29832), (1065, 29820), (1071, 29811),

Gene: FlyCatcher_47 Start: 33412, Stop: 31577, Start Num: 254
Candidate Starts for FlyCatcher_47:
(Start: 254 @33412 has 935 MA's), (271, 33391), (334, 33301), (416, 33163), (443, 33085), (449, 33079), (514, 32926), (588, 32842), (591, 32830), (606, 32785), (611, 32782), (647, 32722), (678, 32671), (683, 32659), (732, 32569), (755, 32524), (787, 32455), (798, 32413), (815, 32353), (819, 32332), (834, 32284), (850, 32236), (855, 32209), (856, 32206), (862, 32179), (875, 32140), (905, 32071), (920, 32032), (935, 31990), (936, 31987), (946, 31957), (985, 31861), (1000, 31834), (1012, 31786), (1018, 31783), (1060, 31666), (1065, 31654), (1071, 31645),

Gene: ForDig_52 Start: 52484, Stop: 50643, Start Num: 210
Candidate Starts for ForDig_52:

(Start: 210 @52484 has 3 MA's), (280, 52427), (Start: 288 @52412 has 1 MA's), (334, 52346), (388, 52238), (418, 52187), (419, 52184), (426, 52163), (442, 52112), (444, 52106), (463, 52088), (481, 52046), (487, 52043), (496, 52013), (567, 51920), (590, 51884), (594, 51872), (620, 51818), (657, 51758), (670, 51734), (671, 51731), (706, 51665), (797, 51431), (800, 51413), (806, 51395), (820, 51338), (854, 51230), (856, 51224), (859, 51215), (879, 51152), (904, 51116), (905, 51113), (910, 51098), (939, 51020), (944, 51008), (950, 50987), (951, 50981), (970, 50948), (985, 50918), (996, 50903), (1003, 50882), (1007, 50858), (1021, 50834), (1039, 50795), (1040, 50783), (1041, 50780), (1042, 50777), (1044, 50765), (1054, 50741), (1084, 50669), (1091, 50648),

Gene: ForGetIt_38 Start: 30371, Stop: 28527, Start Num: 254
Candidate Starts for ForGetIt_38:
(Start: 254 @30371 has 935 MA's), (289, 30320), (334, 30260), (371, 30197), (386, 30167), (388, 30164), (422, 30107), (426, 30095), (436, 30065), (449, 30038), (494, 29936), (501, 29921), (514, 29885), (571, 29825), (591, 29789), (609, 29741), (659, 29657), (666, 29651), (706, 29579), (719, 29546), (727, 29531), (734, 29519), (783, 29420), (819, 29285), (830, 29255), (834, 29237), (836, 29234), (847, 29198), (850, 29189), (853, 29168), (856, 29159), (862, 29132), (863, 29129), (899, 29072), (904, 29051), (946, 28934), (971, 28880), (975, 28871), (985, 28853), (1018, 28775), (1040, 28718), (1053, 28682), (1060, 28658), (1065, 28646),

Gene: Forester_47 Start: 32956, Stop: 34821, Start Num: 253
Candidate Starts for Forester_47:
(1, 32014), (2, 32038), (164, 32830), (209, 32899), (Start: 253 @32956 has 33 MA's), (436, 33253), (501, 33397), (593, 33550), (666, 33685), (702, 33745), (727, 33805), (732, 33811), (759, 33868), (762, 33874), (819, 34069), (841, 34132), (853, 34186), (855, 34192), (923, 34369), (929, 34387), (932, 34396), (936, 34408), (970, 34492), (1018, 34600), (1039, 34645), (1060, 34717), (1096, 34795), (1105, 34816),

Gene: ForesterFrank_44 Start: 32372, Stop: 30585, Start Num: 254
Candidate Starts for ForesterFrank_44:
(Start: 254 @32372 has 935 MA's), (386, 32168), (388, 32165), (391, 32159), (402, 32144), (413, 32129), (426, 32096), (427, 32093), (436, 32066), (449, 32039), (463, 32018), (474, 31988), (514, 31886), (591, 31793), (609, 31745), (618, 31736), (626, 31721), (666, 31655), (708, 31574), (732, 31526), (819, 31301), (836, 31250), (846, 31217), (847, 31214), (862, 31148), (875, 31109), (899, 31088), (925, 31013), (929, 31001), (946, 30950), (956, 30923), (975, 30887), (1003, 30833), (1007, 30809), (1037, 30752), (1041, 30731), (1060, 30674), (1065, 30662), (1071, 30653), (1073, 30650),

Gene: Forsytheast_44 Start: 34479, Stop: 32653, Start Num: 254
Candidate Starts for Forsytheast_44:
(Start: 254 @34479 has 935 MA's), (391, 34266), (400, 34251), (436, 34173), (443, 34152), (449, 34146), (455, 34137), (504, 34020), (514, 33993), (591, 33900), (596, 33885), (603, 33864), (609, 33852), (639, 33801), (641, 33798), (680, 33732), (701, 33702), (711, 33672), (734, 33627), (755, 33588), (819, 33408), (834, 33360), (847, 33321), (862, 33255), (875, 33216), (899, 33195), (904, 33174), (910, 33156), (935, 33090), (1003, 32940), (1004, 32937), (1012, 32901), (1029, 32877), (1034, 32868), (1038, 32856), (1060, 32781), (1071, 32760),

Gene: Fortunato_54 Start: 54011, Stop: 52170, Start Num: 190
Candidate Starts for Fortunato_54:
(Start: 190 @54011 has 4 MA's), (Start: 208 @53993 has 32 MA's), (Start: 258 @53969 has 2 MA's), (280, 53942), (Start: 288 @53927 has 1 MA's), (300, 53906), (353, 53819), (415, 53714), (425, 53687), (430, 53672), (464, 53606), (477, 53576), (481, 53567), (487, 53564), (489, 53561), (567, 53441), (582, 53423), (590, 53405), (594, 53393), (605, 53366), (641, 53303), (666, 53264), (670, 53255), (671, 53252), (684, 53222), (706, 53186), (796, 52961), (797, 52958), (806, 52922), (820, 52865), (854, 52757), (856, 52751), (859, 52742), (904, 52643), (905, 52640), (910, 52625), (939, 52547),

(944, 52535), (950, 52514), (953, 52505), (970, 52475), (985, 52445), (1000, 52418), (1007, 52385), (1021, 52361), (1039, 52322), (1042, 52304), (1044, 52292), (1054, 52268), (1070, 52226), (1073, 52220), (1084, 52196),

Gene: Forza_174 Start: 99637, Stop: 97856, Start Num: 256
Candidate Starts for Forza_174:
(Start: 256 @99637 has 51 MA's), (289, 99592), (Start: 304 @99565 has 2 MA's), (369, 99472), (409, 99412), (411, 99409), (416, 99400), (425, 99376), (438, 99334), (439, 99331), (467, 99286), (491, 99244), (512, 99190), (591, 99106), (632, 99022), (647, 98995), (657, 98980), (740, 98821), (755, 98797), (761, 98782), (767, 98773), (801, 98686), (809, 98659), (810, 98656), (815, 98635), (819, 98614), (835, 98563), (859, 98479), (864, 98452), (873, 98419), (891, 98377), (932, 98266), (941, 98239), (954, 98203), (959, 98194), (960, 98191), (966, 98182), (1008, 98062), (1021, 98041), (1024, 98035), (1039, 98002), (1042, 97984), (1043, 97978), (1056, 97945), (1060, 97930), (1076, 97906), (1077, 97903), (1087, 97879),

Gene: Fozzie_61 Start: 54537, Stop: 52678, Start Num: 215
Candidate Starts for Fozzie_61:
(Start: 198 @54561 has 1 MA's), (Start: 215 @54537 has 328 MA's), (Start: 245 @54513 has 14 MA's), (Start: 258 @54507 has 2 MA's), (Start: 288 @54465 has 1 MA's), (300, 54444), (360, 54330), (363, 54324), (382, 54294), (418, 54234), (425, 54213), (442, 54159), (454, 54147), (464, 54129), (469, 54117), (511, 54012), (567, 53955), (590, 53919), (594, 53907), (603, 53883), (609, 53871), (620, 53853), (630, 53835), (641, 53817), (666, 53778), (670, 53769), (671, 53766), (673, 53763), (813, 53406), (820, 53373), (827, 53352), (856, 53259), (859, 53250), (881, 53187), (904, 53151), (905, 53148), (910, 53133), (939, 53055), (944, 53043), (950, 53022), (970, 52983), (1007, 52893), (1018, 52875), (1021, 52869), (1029, 52854), (1039, 52830), (1041, 52815), (1042, 52812), (1044, 52800), (1054, 52776), (1073, 52728), (1084, 52704),

Gene: Francis47_44 Start: 35450, Stop: 33624, Start Num: 254
Candidate Starts for Francis47_44:
(Start: 254 @35450 has 935 MA's), (391, 35237), (400, 35222), (436, 35144), (443, 35123), (449, 35117), (455, 35108), (504, 34991), (514, 34964), (591, 34871), (596, 34856), (609, 34823), (639, 34772), (641, 34769), (680, 34703), (701, 34673), (711, 34643), (734, 34598), (755, 34559), (819, 34379), (830, 34349), (834, 34331), (836, 34328), (847, 34292), (862, 34226), (904, 34145), (905, 34142), (935, 34061), (997, 33926), (1003, 33911), (1004, 33908), (1012, 33872), (1029, 33848), (1034, 33839), (1038, 33827), (1043, 33800), (1060, 33752), (1071, 33731),

Gene: Frankenweenie_74 Start: 49485, Stop: 47518, Start Num: 322
Candidate Starts for Frankenweenie_74:
(281, 49545), (Start: 322 @49485 has 13 MA's), (379, 49389), (424, 49317), (435, 49281), (438, 49269), (456, 49215), (476, 49167), (503, 49089), (519, 49041), (543, 48948), (548, 48936), (557, 48900), (566, 48885), (573, 48858), (588, 48831), (622, 48750), (645, 48705), (668, 48669), (692, 48618), (784, 48384), (792, 48357), (810, 48294), (826, 48234), (840, 48189), (856, 48123), (863, 48093), (867, 48072), (869, 48066), (939, 47904), (945, 47886), (980, 47832), (1021, 47715), (1028, 47703), (1033, 47694), (1038, 47682), (1041, 47664), (1058, 47616),

Gene: Frankicide_59 Start: 54077, Stop: 52218, Start Num: 215
Candidate Starts for Frankicide_59:
(Start: 198 @54101 has 1 MA's), (Start: 215 @54077 has 328 MA's), (Start: 245 @54053 has 14 MA's), (Start: 258 @54047 has 2 MA's), (Start: 288 @54005 has 1 MA's), (300, 53984), (360, 53870), (363, 53864), (382, 53834), (418, 53774), (425, 53753), (442, 53699), (454, 53687), (464, 53669), (469, 53657), (511, 53552), (567, 53495), (590, 53459), (594, 53447), (605, 53420), (609, 53411), (630, 53375), (666, 53318), (670, 53309), (671, 53306), (673, 53303), (813, 52946), (820, 52913), (827, 52892), (856, 52799), (859, 52790), (881, 52727), (904, 52691), (905, 52688), (910, 52673),

(939, 52595), (944, 52583), (950, 52562), (970, 52523), (1007, 52433), (1018, 52415), (1021, 52409), (1029, 52394), (1039, 52370), (1041, 52355), (1042, 52352), (1044, 52340), (1054, 52316), (1073, 52268), (1084, 52244),

Gene: Franklin22_41 Start: 28031, Stop: 29905, Start Num: 241
Candidate Starts for Franklin22_41:
(Start: 238 @28028 has 7 MA's), (Start: 241 @28031 has 65 MA's), (Start: 299 @28100 has 1 MA's), (386, 28238), (455, 28367), (464, 28382), (501, 28463), (647, 28703), (657, 28718), (675, 28748), (719, 28838), (782, 29012), (804, 29090), (819, 29150), (856, 29276), (862, 29303), (903, 29396), (929, 29468), (967, 29567), (969, 29570), (970, 29573), (1037, 29720), (1040, 29738), (1060, 29798), (1071, 29819), (1081, 29843), (1100, 29888),

Gene: Fred313_45 Start: 31127, Stop: 29289, Start Num: 254
Candidate Starts for Fred313_45:
(202, 31199), (Start: 254 @31127 has 935 MA's), (289, 31076), (386, 30923), (422, 30863), (426, 30851), (449, 30794), (455, 30785), (463, 30773), (505, 30665), (514, 30641), (591, 30545), (611, 30497), (647, 30437), (683, 30374), (719, 30305), (732, 30284), (767, 30215), (770, 30209), (787, 30170), (819, 30047), (847, 29960), (855, 29924), (862, 29894), (873, 29864), (905, 29783), (920, 29744), (929, 29720), (935, 29702), (985, 29573), (1007, 29513), (1060, 29378), (1065, 29366), (1071, 29357),

Gene: Frederick_54 Start: 53929, Stop: 52085, Start Num: 190
Candidate Starts for Frederick_54:
(Start: 190 @53929 has 4 MA's), (Start: 208 @53911 has 32 MA's), (Start: 258 @53884 has 2 MA's), (280, 53857), (Start: 288 @53842 has 1 MA's), (300, 53821), (353, 53734), (415, 53629), (425, 53602), (430, 53587), (464, 53521), (477, 53491), (481, 53482), (487, 53479), (489, 53476), (496, 53449), (511, 53413), (567, 53356), (582, 53338), (590, 53320), (594, 53308), (605, 53281), (641, 53218), (666, 53179), (670, 53170), (671, 53167), (684, 53137), (706, 53101), (796, 52876), (797, 52873), (806, 52837), (820, 52780), (854, 52672), (856, 52666), (859, 52657), (904, 52558), (905, 52555), (910, 52540), (939, 52462), (944, 52450), (950, 52429), (953, 52420), (970, 52390), (985, 52360), (1000, 52333), (1007, 52300), (1021, 52276), (1039, 52237), (1042, 52219), (1044, 52207), (1054, 52183), (1070, 52141), (1073, 52135), (1084, 52111),

Gene: FremontTroll_61 Start: 54644, Stop: 52785, Start Num: 215
Candidate Starts for FremontTroll_61:
(Start: 198 @54668 has 1 MA's), (Start: 215 @54644 has 328 MA's), (Start: 245 @54620 has 14 MA's), (Start: 258 @54614 has 2 MA's), (Start: 288 @54572 has 1 MA's), (300, 54551), (360, 54437), (363, 54431), (382, 54401), (418, 54341), (425, 54320), (442, 54266), (454, 54254), (464, 54236), (469, 54224), (511, 54119), (567, 54062), (590, 54026), (594, 54014), (605, 53987), (620, 53960), (630, 53942), (641, 53924), (666, 53885), (670, 53876), (671, 53873), (783, 53615), (813, 53513), (820, 53480), (827, 53459), (856, 53366), (859, 53357), (881, 53294), (904, 53258), (905, 53255), (910, 53240), (939, 53162), (944, 53150), (950, 53129), (970, 53090), (1007, 53000), (1018, 52982), (1021, 52976), (1029, 52961), (1039, 52937), (1041, 52922), (1042, 52919), (1044, 52907), (1054, 52883), (1073, 52835), (1084, 52811),

Gene: FrenchFry_57 Start: 52599, Stop: 50770, Start Num: 215
Candidate Starts for FrenchFry_57:
(Start: 215 @52599 has 328 MA's), (Start: 258 @52572 has 2 MA's), (Start: 282 @52542 has 7 MA's), (Start: 288 @52530 has 1 MA's), (Start: 304 @52503 has 2 MA's), (305, 52500), (314, 52491), (338, 52473), (388, 52377), (418, 52326), (426, 52302), (433, 52278), (496, 52140), (506, 52116), (511, 52104), (567, 52047), (590, 52011), (594, 51999), (603, 51975), (652, 51891), (670, 51861), (671, 51858), (684, 51828), (753, 51684), (778, 51618), (792, 51579), (796, 51567), (800, 51546), (806, 51528), (820, 51471), (850, 51387), (856, 51357), (859, 51348), (879, 51282), (902, 51255), (904,

51246), (910, 51228), (920, 51204), (939, 51150), (944, 51138), (950, 51117), (985, 51048), (1007, 50988), (1018, 50970), (1035, 50937), (1039, 50925), (1041, 50910), (1042, 50907), (1044, 50895), (1054, 50871), (1055, 50868), (1073, 50820), (1075, 50817), (1084, 50796), (1091, 50775),

Gene: Fresco_51 Start: 45981, Stop: 44164, Start Num: 251
Candidate Starts for Fresco_51:
(76, 46302), (87, 46278), (Start: 251 @45981 has 15 MA's), (280, 45945), (Start: 288 @45930 has 1 MA's), (305, 45900), (378, 45774), (437, 45651), (442, 45636), (469, 45594), (511, 45498), (590, 45405), (658, 45276), (671, 45252), (800, 44940), (806, 44922), (820, 44865), (856, 44751), (859, 44742), (881, 44679), (905, 44640), (910, 44625), (939, 44547), (944, 44535), (950, 44514), (953, 44505), (1000, 44418), (1008, 44382), (1012, 44370), (1036, 44331), (1039, 44322), (1041, 44307), (1054, 44262), (1073, 44214), (1084, 44190),

Gene: Freya_58 Start: 53738, Stop: 51879, Start Num: 215
Candidate Starts for Freya_58:
(Start: 198 @53762 has 1 MA's), (Start: 215 @53738 has 328 MA's), (Start: 245 @53714 has 14 MA's), (Start: 258 @53708 has 2 MA's), (Start: 288 @53666 has 1 MA's), (300, 53645), (360, 53531), (363, 53525), (382, 53495), (418, 53435), (425, 53414), (442, 53360), (454, 53348), (464, 53330), (469, 53318), (511, 53213), (567, 53156), (590, 53120), (594, 53108), (605, 53081), (620, 53054), (630, 53036), (641, 53018), (666, 52979), (670, 52970), (671, 52967), (783, 52709), (813, 52607), (820, 52574), (827, 52553), (856, 52460), (859, 52451), (881, 52388), (904, 52352), (905, 52349), (910, 52334), (939, 52256), (944, 52244), (950, 52223), (970, 52184), (1007, 52094), (1018, 52076), (1021, 52070), (1029, 52055), (1039, 52031), (1041, 52016), (1042, 52013), (1044, 52001), (1054, 51977), (1073, 51929), (1084, 51905),

Gene: FriarPreacher_60 Start: 54124, Stop: 52265, Start Num: 215
Candidate Starts for FriarPreacher_60:
(Start: 198 @54148 has 1 MA's), (Start: 215 @54124 has 328 MA's), (Start: 245 @54100 has 14 MA's), (Start: 258 @54094 has 2 MA's), (Start: 288 @54052 has 1 MA's), (300, 54031), (360, 53917), (363, 53911), (382, 53881), (418, 53821), (425, 53800), (442, 53746), (454, 53734), (464, 53716), (469, 53704), (511, 53599), (567, 53542), (590, 53506), (594, 53494), (603, 53470), (609, 53458), (620, 53440), (630, 53422), (641, 53404), (666, 53365), (670, 53356), (671, 53353), (673, 53350), (813, 52993), (820, 52960), (827, 52939), (856, 52846), (859, 52837), (881, 52774), (904, 52738), (905, 52735), (910, 52720), (939, 52642), (944, 52630), (950, 52609), (970, 52570), (1007, 52480), (1018, 52462), (1021, 52456), (1029, 52441), (1039, 52417), (1041, 52402), (1042, 52399), (1044, 52387), (1054, 52363), (1073, 52315), (1084, 52291),

Gene: Fribs8_39 Start: 31749, Stop: 29392, Start Num: 57
Candidate Starts for Fribs8_39:
(Start: 57 @31749 has 26 MA's), (63, 31734), (74, 31698), (131, 31563), (165, 31500), (Start: 210 @31458 has 3 MA's), (Start: 219 @31446 has 1 MA's), (292, 31344), (341, 31266), (367, 31206), (424, 31113), (434, 31083), (459, 31029), (476, 30987), (498, 30924), (541, 30789), (569, 30729), (581, 30711), (611, 30645), (664, 30609), (733, 30516), (754, 30471), (768, 30444), (774, 30432), (778, 30420), (816, 30279), (852, 30159), (859, 30135), (862, 30117), (864, 30108), (874, 30081), (876, 30075), (880, 30069), (883, 30063), (897, 30039), (905, 30006), (912, 29982), (925, 29937), (947, 29871), (991, 29763), (1009, 29694), (1027, 29658), (1049, 29583), (1050, 29580), (1058, 29556), (1081, 29487), (1108, 29424),

Gene: Fringe_64 Start: 54914, Stop: 53055, Start Num: 215
Candidate Starts for Fringe_64:
(Start: 198 @54938 has 1 MA's), (Start: 215 @54914 has 328 MA's), (Start: 245 @54890 has 14 MA's), (Start: 258 @54884 has 2 MA's), (Start: 288 @54842 has 1 MA's), (300, 54821), (360, 54707), (363, 54701), (382, 54671), (418, 54611), (425, 54590), (442, 54536), (454, 54524), (464, 54506),

(469, 54494), (511, 54389), (567, 54332), (590, 54296), (594, 54284), (603, 54260), (609, 54248), (620, 54230), (630, 54212), (641, 54194), (666, 54155), (670, 54146), (671, 54143), (673, 54140), (813, 53783), (820, 53750), (827, 53729), (856, 53636), (859, 53627), (881, 53564), (904, 53528), (905, 53525), (910, 53510), (939, 53432), (944, 53420), (950, 53399), (970, 53360), (1007, 53270), (1018, 53252), (1021, 53246), (1029, 53231), (1039, 53207), (1041, 53192), (1042, 53189), (1044, 53177), (1054, 53153), (1073, 53105), (1084, 53081),

Gene: Froghopper_43 Start: 34120, Stop: 32291, Start Num: 254
Candidate Starts for Froghopper_43:
(Start: 254 @34120 has 935 MA's), (391, 33907), (400, 33892), (426, 33844), (436, 33814), (443, 33793), (449, 33787), (455, 33778), (504, 33661), (514, 33634), (591, 33541), (596, 33526), (639, 33442), (641, 33439), (680, 33373), (701, 33343), (711, 33313), (734, 33268), (755, 33229), (819, 33049), (834, 33001), (850, 32953), (859, 32914), (862, 32896), (875, 32857), (899, 32836), (904, 32815), (909, 32800), (953, 32677), (1035, 32506), (1040, 32482), (1057, 32434), (1060, 32422), (1071, 32401), (1075, 32395), (1094, 32347), (1101, 32332),

Gene: FrostedClock_102 Start: 78647, Stop: 80443, Start Num: 265
Candidate Starts for FrostedClock_102:
(262, 78644), (Start: 265 @78647 has 10 MA's), (Start: 288 @78680 has 1 MA's), (338, 78749), (369, 78803), (437, 78935), (454, 78959), (467, 78986), (470, 78992), (504, 79061), (517, 79097), (632, 79244), (635, 79250), (647, 79271), (657, 79286), (755, 79475), (777, 79520), (790, 79553), (795, 79571), (803, 79604), (815, 79643), (819, 79664), (822, 79670), (853, 79784), (874, 79868), (876, 79874), (884, 79886), (903, 79934), (906, 79946), (920, 79982), (932, 80015), (935, 80024), (950, 80069), (958, 80087), (996, 80171), (1003, 80192), (1008, 80219), (1018, 80234), (1035, 80267), (1040, 80291), (1045, 80315), (1060, 80351), (1075, 80378),

Gene: Fudan_137 Start: 73963, Stop: 75999, Start Num: 282
Candidate Starts for Fudan_137:
(Start: 282 @73963 has 7 MA's), (325, 74029), (345, 74053), (369, 74104), (371, 74107), (376, 74119), (391, 74152), (428, 74221), (484, 74356), (495, 74392), (557, 74512), (583, 74566), (586, 74569), (602, 74620), (606, 74632), (647, 74701), (659, 74722), (685, 74770), (691, 74779), (821, 75157), (849, 75274), (852, 75292), (881, 75388), (901, 75424), (924, 75493), (927, 75502), (929, 75508), (979, 75646), (984, 75661), (989, 75676), (1012, 75760), (1013, 75763), (1039, 75835), (1060, 75907), (1077, 75952), (1080, 75961), (1082, 75967),

Gene: FugateOSU_61 Start: 55083, Stop: 53224, Start Num: 215
Candidate Starts for FugateOSU_61:
(Start: 198 @55107 has 1 MA's), (Start: 215 @55083 has 328 MA's), (Start: 245 @55059 has 14 MA's), (Start: 258 @55053 has 2 MA's), (Start: 288 @55011 has 1 MA's), (300, 54990), (360, 54876), (363, 54870), (382, 54840), (418, 54780), (425, 54759), (442, 54705), (454, 54693), (464, 54675), (469, 54663), (511, 54558), (567, 54501), (590, 54465), (594, 54453), (605, 54426), (620, 54399), (630, 54381), (641, 54363), (666, 54324), (670, 54315), (671, 54312), (783, 54054), (813, 53952), (820, 53919), (827, 53898), (856, 53805), (859, 53796), (881, 53733), (904, 53697), (905, 53694), (910, 53679), (939, 53601), (944, 53589), (950, 53568), (970, 53529), (1007, 53439), (1018, 53421), (1021, 53415), (1029, 53400), (1039, 53376), (1041, 53361), (1042, 53358), (1044, 53346), (1054, 53322), (1073, 53274), (1084, 53250),

Gene: Fulton_37 Start: 26991, Stop: 25126, Start Num: 337
Candidate Starts for Fulton_37:
(Start: 337 @26991 has 44 MA's), (341, 26985), (387, 26886), (392, 26877), (408, 26853), (418, 26838), (420, 26832), (438, 26781), (441, 26778), (478, 26697), (501, 26637), (531, 26547), (533, 26544), (569, 26445), (587, 26418), (588, 26415), (591, 26403), (601, 26373), (634, 26352), (654, 26316), (731, 26169), (774, 26067), (798, 25989), (855, 25809), (862, 25779), (883, 25725), (895,

25707), (912, 25650), (918, 25623), (933, 25581), (946, 25542), (982, 25461), (985, 25452), (1004, 25392), (1007, 25368), (1011, 25356), (1015, 25347), (1025, 25329), (1039, 25296), (1058, 25224),

Gene: Funsized_59 Start: 56200, Stop: 54350, Start Num: 215
Candidate Starts for Funsized_59:
(26, 56692), (41, 56611), (64, 56536), (77, 56497), (78, 56494), (200, 56221), (Start: 215 @56200 has 328 MA's), (234, 56191), (280, 56143), (287, 56131), (388, 55960), (426, 55885), (433, 55861), (464, 55807), (467, 55798), (469, 55795), (474, 55783), (477, 55777), (511, 55690), (567, 55633), (580, 55621), (590, 55597), (594, 55585), (597, 55576), (603, 55561), (605, 55558), (609, 55549), (658, 55462), (666, 55450), (671, 55438), (681, 55414), (684, 55408), (732, 55324), (765, 55228), (796, 55141), (797, 55138), (806, 55102), (814, 55072), (820, 55045), (827, 55024), (840, 54994), (854, 54937), (856, 54931), (859, 54922), (881, 54859), (904, 54823), (905, 54820), (910, 54805), (935, 54739), (939, 54727), (944, 54715), (950, 54694), (953, 54685), (958, 54676), (985, 54625), (1007, 54565), (1021, 54541), (1029, 54526), (1039, 54502), (1040, 54490), (1041, 54487), (1042, 54484), (1044, 54472), (1054, 54448), (1062, 54424), (1063, 54421), (1070, 54406), (1073, 54400), (1084, 54376),

Gene: Funston_44 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Funston_44:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Fushigi_43 Start: 32768, Stop: 30939, Start Num: 254
Candidate Starts for Fushigi_43:
(Start: 254 @32768 has 935 MA's), (391, 32555), (400, 32540), (436, 32462), (443, 32441), (449, 32435), (455, 32426), (504, 32309), (514, 32282), (591, 32189), (596, 32174), (609, 32141), (639, 32090), (641, 32087), (675, 32033), (680, 32021), (701, 31991), (711, 31961), (734, 31916), (755, 31877), (819, 31697), (834, 31649), (850, 31601), (859, 31562), (862, 31544), (875, 31505), (899, 31484), (904, 31463), (909, 31448), (953, 31325), (1035, 31154), (1040, 31130), (1057, 31082), (1060, 31070), (1071, 31049), (1075, 31043), (1094, 30995), (1101, 30980),

Gene: GMA2_66 Start: 70128, Stop: 68344, Start Num: 254
Candidate Starts for GMA2_66:
(Start: 254 @70128 has 935 MA's), (274, 70104), (338, 70014), (386, 69927), (411, 69897), (418, 69885), (438, 69822), (439, 69819), (467, 69774), (469, 69771), (470, 69768), (512, 69678), (517, 69663), (562, 69633), (591, 69594), (604, 69558), (632, 69510), (647, 69483), (657, 69468), (709, 69375), (740, 69309), (755, 69285), (815, 69126), (819, 69105), (861, 68958), (864, 68943), (872, 68913), (891, 68865), (892, 68862), (905, 68826), (923, 68781), (927, 68769), (932, 68754), (946, 68712), (960, 68679), (985, 68613), (1003, 68577), (1024, 68523), (1029, 68514), (1039, 68490), (1060, 68418), (1077, 68391), (1087, 68367),

Gene: GMonster_42 Start: 33424, Stop: 31598, Start Num: 254
Candidate Starts for GMonster_42:
(Start: 254 @33424 has 935 MA's), (391, 33211), (400, 33196), (426, 33148), (436, 33118), (443, 33097), (449, 33091), (455, 33082), (504, 32965), (514, 32938), (591, 32845), (596, 32830), (609, 32797), (639, 32746), (641, 32743), (680, 32677), (701, 32647), (711, 32617), (734, 32572), (755, 32533), (819, 32353), (834, 32305), (847, 32266), (862, 32200), (875, 32161), (899, 32140), (904, 32119), (910, 32101), (935, 32035), (1003, 31885), (1004, 31882), (1012, 31846), (1029, 31822), (1034, 31813), (1038, 31801), (1060, 31726), (1071, 31705),

Gene: GTE2_35 Start: 32210, Stop: 29823, Start Num: 45
Candidate Starts for GTE2_35:
(Start: 45 @32210 has 21 MA's), (80, 32147), (103, 32090), (152, 31967), (165, 31943), (Start: 277 @31811 has 1 MA's), (294, 31784), (367, 31646), (417, 31568), (434, 31520), (459, 31466), (461, 31463), (469, 31445), (476, 31424), (483, 31409), (494, 31373), (497, 31364), (498, 31361), (537, 31241), (562, 31181), (569, 31166), (611, 31082), (668, 31037), (684, 31013), (706, 31007), (716, 30983), (720, 30974), (753, 30905), (754, 30902), (755, 30899), (807, 30752), (825, 30683), (827, 30677), (841, 30641), (862, 30548), (864, 30539), (874, 30512), (876, 30506), (880, 30500), (883, 30494), (897, 30470), (905, 30437), (910, 30422), (912, 30413), (925, 30368), (945, 30308), (958, 30275), (1004, 30155), (1012, 30116), (1013, 30113), (1058, 29987), (1072, 29942), (1076, 29933), (1101, 29873),

Gene: Gachnar_45 Start: 34206, Stop: 32377, Start Num: 254
Candidate Starts for Gachnar_45:
(Start: 254 @34206 has 935 MA's), (391, 33993), (400, 33978), (436, 33900), (443, 33879), (449, 33873), (455, 33864), (504, 33747), (514, 33720), (591, 33627), (596, 33612), (639, 33528), (641, 33525), (680, 33459), (711, 33399), (734, 33354), (755, 33315), (819, 33135), (834, 33087), (850, 33039), (859, 33000), (862, 32982), (875, 32943), (899, 32922), (904, 32901), (909, 32886), (953, 32763), (1035, 32592), (1040, 32568), (1057, 32520), (1060, 32508), (1071, 32487), (1075, 32481), (1094, 32433), (1101, 32418),

Gene: Gack_40 Start: 28093, Stop: 29955, Start Num: 241
Candidate Starts for Gack_40:
(202, 28039), (Start: 241 @28093 has 65 MA's), (271, 28114), (Start: 299 @28162 has 1 MA's), (455, 28429), (464, 28444), (501, 28525), (647, 28765), (766, 29017), (804, 29140), (819, 29200), (836, 29251), (856, 29326), (862, 29353), (903, 29446), (967, 29617), (969, 29620), (970, 29623), (1004, 29692), (1037, 29770), (1060, 29848), (1071, 29869), (1081, 29893), (1100, 29938),

Gene: Gadjet_59 Start: 54012, Stop: 52195, Start Num: 256
Candidate Starts for Gadjet_59:
(137, 54195), (Start: 256 @54012 has 51 MA's), (280, 53982), (391, 53802), (437, 53697), (463, 53649), (467, 53637), (481, 53607), (489, 53601), (511, 53538), (567, 53481), (590, 53445), (609, 53397), (671, 53292), (718, 53196), (747, 53145), (796, 53001), (806, 52962), (814, 52932), (820, 52905), (824, 52893), (854, 52797), (856, 52791), (859, 52782), (861, 52770), (893, 52698), (904, 52668), (910, 52650), (915, 52641), (939, 52572), (944, 52560), (950, 52539), (985, 52470), (996, 52455), (1004, 52431), (1007, 52410), (1021, 52386), (1039, 52347), (1042, 52329), (1044, 52317), (1050, 52305), (1054, 52293), (1084, 52221),

Gene: Gadost_45 Start: 31574, Stop: 29748, Start Num: 254
Candidate Starts for Gadost_45:
(Start: 254 @31574 has 935 MA's), (271, 31553), (289, 31523), (305, 31493), (413, 31331), (421, 31313), (449, 31241), (455, 31232), (505, 31112), (514, 31088), (591, 30995), (611, 30947), (626, 30926), (647, 30887), (719, 30755), (732, 30734), (755, 30689), (759, 30677), (815, 30524), (819, 30503), (855, 30380), (862, 30350), (875, 30311), (904, 30245), (905, 30242), (910, 30227), (920, 30203), (929, 30179), (1007, 29972), (1060, 29837), (1065, 29825), (1071, 29816),

Gene: GaeCeo_39 Start: 29207, Stop: 27342, Start Num: 335
Candidate Starts for GaeCeo_39:
(Start: 335 @29207 has 20 MA's), (348, 29183), (419, 29051), (441, 28994), (469, 28940), (476, 28919), (478, 28913), (544, 28712), (588, 28628), (591, 28616), (601, 28586), (634, 28565), (639, 28553), (654, 28529), (680, 28484), (725, 28397), (746, 28352), (749, 28337), (789, 28235), (850, 28052), (859, 28013), (862, 27995), (876, 27953), (884, 27938), (912, 27866), (1004, 27608), (1007, 27584), (1022, 27551), (1058, 27440),

Gene: GageAP_45 Start: 34414, Stop: 32588, Start Num: 254
Candidate Starts for GageAP_45:
(Start: 254 @34414 has 935 MA's), (Start: 288 @34366 has 1 MA's), (391, 34201), (400, 34186), (436, 34108), (443, 34087), (449, 34081), (455, 34072), (504, 33955), (514, 33928), (591, 33835), (596, 33820), (639, 33736), (641, 33733), (680, 33667), (701, 33637), (711, 33607), (734, 33562), (755, 33523), (819, 33343), (830, 33313), (834, 33295), (836, 33292), (847, 33256), (862, 33190), (904, 33109), (905, 33106), (935, 33025), (1003, 32875), (1004, 32872), (1012, 32836), (1029, 32812), (1034, 32803), (1038, 32791), (1060, 32716), (1071, 32695),

Gene: Gail_49 Start: 33012, Stop: 31219, Start Num: 254
Candidate Starts for Gail_49:
(177, 33114), (Start: 254 @33012 has 935 MA's), (261, 33003), (Start: 285 @32970 has 6 MA's), (334, 32901), (386, 32808), (426, 32733), (427, 32730), (436, 32703), (449, 32676), (474, 32625), (505, 32547), (514, 32523), (591, 32430), (606, 32385), (666, 32292), (680, 32262), (755, 32115), (785, 32064), (798, 32016), (819, 31935), (843, 31869), (855, 31812), (862, 31782), (904, 31701), (946, 31584), (956, 31557), (1003, 31467), (1037, 31386), (1041, 31365), (1043, 31356), (1060, 31308), (1065, 31296), (1071, 31287), (1073, 31284),

Gene: GalaxyEater_37 Start: 33523, Stop: 31730, Start Num: 304
Candidate Starts for GalaxyEater_37:
(220, 33643), (226, 33631), (Start: 304 @33523 has 2 MA's), (368, 33421), (377, 33403), (465, 33217), (467, 33214), (480, 33196), (491, 33178), (508, 33151), (515, 33127), (558, 33088), (578, 33061), (585, 33046), (602, 32995), (605, 32989), (643, 32911), (650, 32902), (761, 32683), (770, 32662), (875, 32281), (921, 32197), (927, 32182), (929, 32176), (935, 32158), (973, 32068), (1012, 31963), (1035, 31921), (1037, 31915), (1039, 31909), (1045, 31873), (1058, 31846), (1060, 31837),

Gene: Gambol_39 Start: 27611, Stop: 29593, Start Num: 253
Candidate Starts for Gambol_39:
(Start: 253 @27611 has 33 MA's), (371, 27785), (415, 27848), (427, 27881), (463, 27956), (568, 28184), (647, 28358), (732, 28514), (788, 28652), (812, 28739), (819, 28772), (830, 28802), (847, 28859), (862, 28925), (903, 29018), (1007, 29285), (1021, 29309), (1060, 29420), (1107, 29528),

Gene: Gandalf20_46 Start: 35478, Stop: 33652, Start Num: 254
Candidate Starts for Gandalf20_46:
(Start: 254 @35478 has 935 MA's), (391, 35265), (426, 35202), (436, 35172), (443, 35151), (449, 35145), (455, 35136), (504, 35019), (514, 34992), (591, 34899), (596, 34884), (603, 34863), (609, 34851), (639, 34800), (641, 34797), (680, 34731), (701, 34701), (711, 34671), (734, 34626), (755, 34587), (819, 34407), (834, 34359), (847, 34320), (862, 34254), (875, 34215), (899, 34194), (904, 34173), (910, 34155), (935, 34089), (1003, 33939), (1004, 33936), (1012, 33900), (1029, 33876), (1034, 33867), (1038, 33855), (1043, 33828), (1060, 33780), (1071, 33759),

Gene: Garak_47 Start: 29791, Stop: 27950, Start Num: 254
Candidate Starts for Garak_47:
(Start: 254 @29791 has 935 MA's), (386, 29587), (426, 29512), (427, 29509), (436, 29482), (441, 29467), (449, 29455), (474, 29404), (510, 29314), (514, 29302), (591, 29209), (605, 29170), (618, 29152), (626, 29137), (666, 29071), (681, 29038), (683, 29035), (735, 28933), (767, 28873), (798, 28789), (819, 28708), (846, 28624), (847, 28621), (850, 28612), (855, 28585), (862, 28555), (899, 28495), (910, 28456), (1003, 28240), (1004, 28237), (1007, 28216), (1060, 28081), (1065, 28069), (1071, 28060), (1073, 28057), (1111, 27964),

Gene: GardenB_38 Start: 29033, Stop: 27168, Start Num: 339
Candidate Starts for GardenB_38:

(Start: 339 @29033 has 121 MA's), (Start: 342 @29024 has 5 MA's), (420, 28874), (471, 28760), (476, 28745), (478, 28739), (540, 28553), (544, 28541), (582, 28466), (588, 28457), (591, 28445), (600, 28418), (601, 28415), (612, 28400), (634, 28394), (637, 28388), (654, 28358), (680, 28313), (749, 28166), (789, 28064), (796, 28043), (855, 27851), (858, 27842), (859, 27839), (862, 27821), (876, 27779), (884, 27764), (912, 27692), (970, 27533), (982, 27503), (1004, 27434), (1007, 27410), (1025, 27371), (1039, 27338), (1040, 27326),

Gene: GardenState_48 Start: 31425, Stop: 33290, Start Num: 253
Candidate Starts for GardenState_48:
(Start: 253 @31425 has 33 MA's), (436, 31722), (479, 31812), (647, 32127), (708, 32232), (711, 32241), (732, 32280), (762, 32343), (819, 32538), (841, 32601), (853, 32655), (855, 32661), (863, 32694), (902, 32781), (927, 32850), (936, 32877), (1060, 33186),

Gene: Gareth_60 Start: 54536, Stop: 52677, Start Num: 215
Candidate Starts for Gareth_60:
(Start: 198 @54560 has 1 MA's), (Start: 215 @54536 has 328 MA's), (Start: 245 @54512 has 14 MA's), (Start: 258 @54506 has 2 MA's), (Start: 288 @54464 has 1 MA's), (300, 54443), (360, 54329), (363, 54323), (382, 54293), (418, 54233), (425, 54212), (442, 54158), (454, 54146), (464, 54128), (469, 54116), (511, 54011), (567, 53954), (590, 53918), (594, 53906), (605, 53879), (620, 53852), (630, 53834), (641, 53816), (666, 53777), (670, 53768), (671, 53765), (783, 53507), (813, 53405), (820, 53372), (827, 53351), (856, 53258), (859, 53249), (881, 53186), (904, 53150), (905, 53147), (910, 53132), (939, 53054), (944, 53042), (950, 53021), (970, 52982), (1007, 52892), (1018, 52874), (1021, 52868), (1029, 52853), (1039, 52829), (1041, 52814), (1042, 52811), (1044, 52799), (1054, 52775), (1073, 52727), (1084, 52703),

Gene: Garey24_38 Start: 28589, Stop: 26733, Start Num: 342
Candidate Starts for Garey24_38:
(Start: 275 @28685 has 3 MA's), (Start: 339 @28598 has 121 MA's), (Start: 342 @28589 has 5 MA's), (392, 28484), (398, 28475), (418, 28445), (419, 28442), (472, 28322), (476, 28310), (478, 28304), (518, 28199), (525, 28172), (582, 28031), (587, 28025), (588, 28022), (591, 28010), (600, 27983), (601, 27980), (612, 27965), (634, 27959), (637, 27953), (657, 27920), (725, 27791), (749, 27731), (855, 27416), (858, 27407), (859, 27404), (862, 27386), (876, 27344), (880, 27338), (884, 27329), (895, 27314), (912, 27257), (970, 27098), (982, 27068), (985, 27059), (1004, 26999), (1007, 26975), (1025, 26936), (1039, 26903), (1040, 26891), (1058, 26831),

Gene: Gargoyle_39 Start: 28930, Stop: 27074, Start Num: 342
Candidate Starts for Gargoyle_39:
(Start: 275 @29026 has 3 MA's), (Start: 277 @29023 has 1 MA's), (Start: 339 @28939 has 121 MA's), (Start: 342 @28930 has 5 MA's), (392, 28825), (398, 28816), (418, 28786), (419, 28783), (471, 28666), (476, 28651), (478, 28645), (518, 28540), (525, 28513), (582, 28372), (588, 28363), (591, 28351), (600, 28324), (601, 28321), (612, 28306), (634, 28300), (637, 28294), (657, 28261), (749, 28072), (773, 28018), (780, 27997), (855, 27757), (858, 27748), (859, 27745), (862, 27727), (876, 27685), (880, 27679), (895, 27655), (912, 27598), (970, 27439), (982, 27409), (985, 27400), (1004, 27340), (1007, 27316), (1025, 27277), (1039, 27244), (1040, 27232), (1058, 27172),

Gene: Garnacho_133 Start: 73578, Stop: 75614, Start Num: 282
Candidate Starts for Garnacho_133:
(Start: 282 @73578 has 7 MA's), (345, 73668), (369, 73719), (371, 73722), (376, 73734), (391, 73767), (428, 73836), (440, 73878), (467, 73932), (495, 74007), (506, 74034), (557, 74127), (583, 74181), (586, 74184), (602, 74235), (606, 74247), (647, 74316), (659, 74337), (685, 74385), (821, 74772), (849, 74889), (852, 74907), (898, 75027), (901, 75039), (920, 75099), (924, 75108), (927, 75117), (929, 75123), (974, 75243), (984, 75276), (989, 75291), (993, 75303), (1012, 75375), (1013, 75378), (1060, 75522), (1080, 75576), (1082, 75582),

Gene: GaugeLDP_43 Start: 31738, Stop: 29948, Start Num: 254
Candidate Starts for GaugeLDP_43:
(Start: 254 @31738 has 935 MA's), (386, 31534), (426, 31459), (427, 31456), (436, 31429), (441, 31414), (449, 31402), (510, 31261), (514, 31249), (591, 31156), (593, 31150), (609, 31108), (618, 31099), (626, 31084), (666, 31018), (708, 30937), (719, 30910), (732, 30889), (755, 30844), (787, 30787), (819, 30664), (846, 30580), (855, 30541), (862, 30511), (875, 30472), (904, 30430), (1003, 30196), (1041, 30094), (1060, 30037), (1065, 30025), (1071, 30016),

Gene: Gelo_38 Start: 28622, Stop: 26757, Start Num: 339
Candidate Starts for Gelo_38:
(Start: 275 @28709 has 3 MA's), (Start: 339 @28622 has 121 MA's), (Start: 342 @28613 has 5 MA's), (392, 28508), (398, 28499), (418, 28469), (419, 28466), (472, 28346), (476, 28334), (478, 28328), (518, 28223), (525, 28196), (582, 28055), (587, 28049), (588, 28046), (591, 28034), (600, 28007), (601, 28004), (612, 27989), (634, 27983), (637, 27977), (657, 27944), (725, 27815), (749, 27755), (855, 27440), (858, 27431), (859, 27428), (862, 27410), (876, 27368), (880, 27362), (895, 27338), (912, 27281), (970, 27122), (982, 27092), (985, 27083), (1004, 27023), (1007, 26999), (1025, 26960), (1039, 26927), (1040, 26915), (1058, 26855),

Gene: Gemma_47 Start: 31749, Stop: 29935, Start Num: 254
Candidate Starts for Gemma_47:
(Start: 254 @31749 has 935 MA's), (284, 31710), (289, 31698), (386, 31545), (395, 31530), (426, 31473), (449, 31416), (455, 31407), (474, 31365), (494, 31314), (514, 31263), (591, 31170), (609, 31122), (626, 31098), (647, 31059), (666, 31032), (680, 31002), (727, 30909), (734, 30897), (758, 30849), (767, 30834), (819, 30678), (836, 30627), (846, 30594), (847, 30591), (862, 30525), (875, 30486), (905, 30414), (920, 30375), (929, 30351), (935, 30333), (946, 30300), (985, 30219), (1007, 30159), (1018, 30141), (1041, 30081), (1043, 30072), (1060, 30024), (1065, 30012), (1071, 30003),

Gene: GeneCoco_61 Start: 54579, Stop: 52720, Start Num: 215
Candidate Starts for GeneCoco_61:
(Start: 198 @54603 has 1 MA's), (Start: 215 @54579 has 328 MA's), (Start: 245 @54555 has 14 MA's), (Start: 258 @54549 has 2 MA's), (Start: 288 @54507 has 1 MA's), (300, 54486), (360, 54372), (363, 54366), (382, 54336), (418, 54276), (425, 54255), (442, 54201), (454, 54189), (464, 54171), (469, 54159), (511, 54054), (567, 53997), (590, 53961), (594, 53949), (603, 53925), (609, 53913), (620, 53895), (630, 53877), (641, 53859), (666, 53820), (670, 53811), (671, 53808), (673, 53805), (783, 53550), (813, 53448), (820, 53415), (827, 53394), (856, 53301), (859, 53292), (881, 53229), (904, 53193), (905, 53190), (910, 53175), (939, 53097), (944, 53085), (950, 53064), (970, 53025), (1007, 52935), (1018, 52917), (1021, 52911), (1029, 52896), (1039, 52872), (1041, 52857), (1042, 52854), (1044, 52842), (1054, 52818), (1060, 52797), (1073, 52770), (1084, 52746), (1089, 52731),

Gene: George_38 Start: 30595, Stop: 28730, Start Num: 254
Candidate Starts for George_38:
(Start: 254 @30595 has 935 MA's), (289, 30544), (334, 30484), (371, 30421), (386, 30391), (388, 30388), (422, 30331), (426, 30319), (436, 30289), (449, 30262), (514, 30109), (591, 30013), (609, 29965), (659, 29881), (666, 29875), (706, 29803), (719, 29770), (727, 29755), (734, 29743), (783, 29644), (819, 29509), (830, 29479), (834, 29461), (843, 29443), (847, 29422), (850, 29413), (862, 29356), (875, 29317), (899, 29296), (904, 29275), (929, 29209), (946, 29158), (971, 29104), (975, 29095), (985, 29077), (1007, 29017), (1018, 28999), (1053, 28906), (1060, 28882), (1065, 28870), (1111, 28765),

Gene: Georgie2_45 Start: 31311, Stop: 29524, Start Num: 254
Candidate Starts for Georgie2_45:

(114, 31566), (Start: 254 @31311 has 935 MA's), (386, 31107), (388, 31104), (391, 31098), (402, 31083), (413, 31068), (426, 31035), (427, 31032), (436, 31005), (449, 30978), (463, 30957), (474, 30927), (514, 30825), (591, 30732), (609, 30684), (618, 30675), (626, 30660), (666, 30594), (708, 30513), (732, 30465), (734, 30459), (767, 30396), (798, 30321), (819, 30240), (836, 30189), (846, 30156), (847, 30153), (862, 30087), (875, 30048), (899, 30027), (925, 29952), (931, 29934), (946, 29889), (956, 29862), (975, 29826), (983, 29814), (985, 29808), (1003, 29772), (1007, 29748), (1041, 29670), (1060, 29613), (1065, 29601), (1071, 29592),

Gene: Gerri43_40 Start: 28660, Stop: 26870, Start Num: 236
Candidate Starts for Gerri43_40:
(194, 28720), (Start: 215 @28696 has 328 MA's), (Start: 229 @28675 has 1 MA's), (Start: 236 @28660 has 5 MA's), (Start: 245 @28651 has 14 MA's), (328, 28528), (356, 28480), (437, 28342), (438, 28336), (467, 28288), (506, 28207), (509, 28201), (517, 28177), (591, 28108), (632, 28027), (647, 28000), (657, 27985), (692, 27922), (721, 27865), (734, 27841), (736, 27835), (755, 27799), (774, 27763), (803, 27691), (815, 27649), (822, 27622), (851, 27526), (856, 27502), (862, 27475), (875, 27436), (906, 27361), (932, 27292), (948, 27244), (956, 27223), (979, 27169), (984, 27154), (1008, 27088), (1037, 27031), (1041, 27010), (1042, 27007), (1045, 26989), (1054, 26974),

Gene: Gershwin_38 Start: 28632, Stop: 26767, Start Num: 339
Candidate Starts for Gershwin_38:
(Start: 275 @28719 has 3 MA's), (Start: 339 @28632 has 121 MA's), (Start: 342 @28623 has 5 MA's), (392, 28518), (398, 28509), (418, 28479), (419, 28476), (472, 28356), (476, 28344), (478, 28338), (518, 28233), (525, 28206), (582, 28065), (587, 28059), (588, 28056), (591, 28044), (600, 28017), (601, 28014), (612, 27999), (634, 27993), (637, 27987), (657, 27954), (725, 27825), (749, 27765), (855, 27450), (858, 27441), (859, 27438), (862, 27420), (876, 27378), (880, 27372), (895, 27348), (912, 27291), (970, 27132), (982, 27102), (985, 27093), (1004, 27033), (1007, 27009), (1025, 26970), (1039, 26937), (1040, 26925), (1058, 26865),

Gene: Gervas_59 Start: 54101, Stop: 52284, Start Num: 256
Candidate Starts for Gervas_59:
(137, 54284), (Start: 256 @54101 has 51 MA's), (280, 54071), (391, 53891), (463, 53738), (467, 53726), (481, 53696), (489, 53690), (511, 53627), (513, 53621), (567, 53570), (590, 53534), (609, 53486), (671, 53381), (718, 53285), (747, 53234), (796, 53090), (806, 53051), (814, 53021), (820, 52994), (824, 52982), (854, 52886), (856, 52880), (859, 52871), (861, 52859), (893, 52787), (904, 52757), (910, 52739), (915, 52730), (939, 52661), (944, 52649), (950, 52628), (985, 52559), (996, 52544), (1004, 52520), (1007, 52499), (1021, 52475), (1039, 52436), (1042, 52418), (1044, 52406), (1050, 52394), (1054, 52382), (1070, 52340), (1084, 52310),

Gene: Ghoulboy_40 Start: 31108, Stop: 29243, Start Num: 254
Candidate Starts for Ghoulboy_40:
(Start: 254 @31108 has 935 MA's), (289, 31057), (334, 30997), (371, 30934), (386, 30904), (388, 30901), (422, 30844), (436, 30802), (449, 30775), (514, 30622), (591, 30526), (602, 30493), (609, 30478), (659, 30394), (666, 30388), (681, 30355), (727, 30268), (734, 30256), (755, 30217), (783, 30157), (819, 30022), (830, 29992), (834, 29974), (846, 29938), (847, 29935), (862, 29869), (875, 29830), (904, 29788), (910, 29770), (929, 29722), (931, 29716), (946, 29671), (971, 29617), (975, 29608), (985, 29590), (1018, 29512), (1040, 29455), (1053, 29419), (1060, 29395), (1065, 29383), (1119, 29251),

Gene: GiJojo_132 Start: 75350, Stop: 77386, Start Num: 282
Candidate Starts for GiJojo_132:
(163, 75179), (Start: 282 @75350 has 7 MA's), (325, 75416), (345, 75440), (371, 75494), (376, 75506), (391, 75539), (428, 75608), (492, 75770), (495, 75779), (557, 75899), (583, 75953), (586, 75956), (602, 76007), (606, 76019), (636, 76067), (647, 76088), (659, 76109), (685, 76157), (699, 76175),

(808, 76481), (821, 76544), (849, 76661), (852, 76679), (898, 76799), (901, 76811), (920, 76871), (924, 76880), (927, 76889), (979, 77033), (984, 77048), (989, 77063), (1012, 77147), (1013, 77150), (1023, 77168), (1060, 77294), (1082, 77354),

Gene: GiKK_48 Start: 33132, Stop: 30748, Start Num: 57
Candidate Starts for GiKK_48:
(Start: 57 @33132 has 26 MA's), (103, 33018), (115, 32988), (152, 32904), (165, 32880), (Start: 219 @32826 has 1 MA's), (294, 32721), (303, 32706), (333, 32658), (367, 32583), (371, 32577), (373, 32571), (376, 32565), (417, 32496), (426, 32472), (434, 32448), (461, 32391), (469, 32373), (476, 32352), (530, 32205), (569, 32091), (596, 32034), (603, 32013), (611, 32007), (716, 31914), (722, 31902), (754, 31830), (774, 31788), (778, 31776), (816, 31635), (823, 31611), (841, 31560), (862, 31467), (874, 31431), (876, 31425), (880, 31419), (883, 31413), (905, 31356), (910, 31341), (912, 31332), (970, 31173), (979, 31152), (991, 31113), (1004, 31074), (1006, 31053), (1013, 31032), (1020, 31020), (1032, 31002), (1046, 30939), (1049, 30933), (1058, 30906), (1064, 30882), (1072, 30861), (1108, 30774),

Gene: Gibbous_38 Start: 31347, Stop: 28987, Start Num: 57
Candidate Starts for Gibbous_38:
(44, 31371), (Start: 57 @31347 has 26 MA's), (63, 31332), (74, 31296), (152, 31125), (165, 31101), (Start: 342 @30864 has 5 MA's), (367, 30807), (392, 30768), (406, 30747), (434, 30681), (459, 30627), (469, 30606), (476, 30585), (541, 30387), (560, 30345), (569, 30327), (581, 30309), (598, 30264), (609, 30246), (611, 30243), (664, 30207), (733, 30114), (754, 30069), (768, 30042), (774, 30030), (778, 30018), (816, 29877), (841, 29808), (852, 29757), (859, 29733), (862, 29715), (864, 29706), (874, 29679), (876, 29673), (880, 29667), (883, 29661), (905, 29604), (912, 29580), (925, 29535), (926, 29532), (947, 29469), (991, 29361), (1009, 29292), (1013, 29280), (1027, 29256), (1049, 29181), (1050, 29178), (1058, 29154), (1064, 29130), (1072, 29109), (1081, 29085), (1101, 29040), (1108, 29022),

Gene: Gilberta_45 Start: 30767, Stop: 28980, Start Num: 254
Candidate Starts for Gilberta_45:
(Start: 254 @30767 has 935 MA's), (386, 30563), (426, 30491), (436, 30461), (449, 30434), (593, 30182), (618, 30131), (666, 30050), (688, 30005), (759, 29864), (786, 29822), (798, 29777), (819, 29696), (836, 29645), (847, 29609), (862, 29543), (899, 29483), (902, 29471), (938, 29369), (946, 29345), (951, 29327), (985, 29264), (1000, 29237), (1003, 29228), (1007, 29204), (1060, 29069), (1065, 29057), (1071, 29048),

Gene: GinPorsche_53 Start: 52983, Stop: 51160, Start Num: 208
Candidate Starts for GinPorsche_53:
(Start: 190 @53001 has 4 MA's), (Start: 208 @52983 has 32 MA's), (Start: 258 @52959 has 2 MA's), (280, 52932), (Start: 288 @52917 has 1 MA's), (300, 52896), (353, 52809), (415, 52704), (430, 52662), (464, 52596), (477, 52566), (481, 52557), (487, 52554), (489, 52551), (496, 52524), (567, 52431), (582, 52413), (590, 52395), (594, 52383), (599, 52368), (605, 52356), (670, 52245), (671, 52242), (684, 52212), (706, 52176), (796, 51951), (797, 51948), (806, 51912), (813, 51888), (820, 51855), (854, 51747), (856, 51741), (858, 51735), (859, 51732), (904, 51633), (905, 51630), (910, 51615), (939, 51537), (944, 51525), (950, 51504), (953, 51495), (970, 51465), (983, 51441), (1000, 51408), (1007, 51375), (1018, 51357), (1021, 51351), (1039, 51312), (1042, 51294), (1044, 51282), (1054, 51258), (1070, 51216), (1073, 51210), (1084, 51186),

Gene: GingkoMaracino_48 Start: 31739, Stop: 29925, Start Num: 254
Candidate Starts for GingkoMaracino_48:
(Start: 254 @31739 has 935 MA's), (284, 31700), (289, 31688), (386, 31535), (395, 31520), (426, 31463), (449, 31406), (455, 31397), (474, 31355), (494, 31304), (514, 31253), (591, 31160), (609, 31112), (618, 31103), (626, 31088), (647, 31049), (666, 31022), (680, 30992), (727, 30899), (734,

30887), (758, 30839), (767, 30824), (819, 30668), (834, 30620), (847, 30581), (862, 30515), (875, 30476), (905, 30404), (920, 30365), (929, 30341), (935, 30323), (946, 30290), (956, 30263), (985, 30209), (1007, 30149), (1041, 30071), (1060, 30014), (1065, 30002), (1071, 29993),

Gene: Giorgio_37 Start: 27527, Stop: 29509, Start Num: 253
Candidate Starts for Giorgio_37:
(Start: 253 @27527 has 33 MA's), (371, 27701), (386, 27731), (415, 27764), (427, 27797), (463, 27872), (473, 27899), (513, 28001), (568, 28100), (647, 28274), (666, 28301), (732, 28430), (788, 28568), (812, 28655), (819, 28688), (830, 28718), (847, 28775), (862, 28841), (903, 28934), (934, 29021), (1007, 29201), (1021, 29225), (1060, 29336), (1107, 29444),

Gene: Giraffe_61 Start: 54531, Stop: 52672, Start Num: 215
Candidate Starts for Giraffe_61:
(Start: 198 @54555 has 1 MA's), (Start: 215 @54531 has 328 MA's), (Start: 245 @54507 has 14 MA's), (Start: 258 @54501 has 2 MA's), (Start: 288 @54459 has 1 MA's), (300, 54438), (360, 54324), (363, 54318), (382, 54288), (418, 54228), (425, 54207), (442, 54153), (454, 54141), (464, 54123), (469, 54111), (511, 54006), (567, 53949), (590, 53913), (594, 53901), (605, 53874), (620, 53847), (630, 53829), (641, 53811), (666, 53772), (670, 53763), (671, 53760), (783, 53502), (813, 53400), (820, 53367), (827, 53346), (856, 53253), (859, 53244), (881, 53181), (904, 53145), (905, 53142), (910, 53127), (939, 53049), (944, 53037), (950, 53016), (970, 52977), (1007, 52887), (1018, 52869), (1021, 52863), (1029, 52848), (1039, 52824), (1041, 52809), (1042, 52806), (1044, 52794), (1054, 52770), (1073, 52722), (1084, 52698),

Gene: Giroux_47 Start: 31554, Stop: 29716, Start Num: 254
Candidate Starts for Giroux_47:
(Start: 254 @31554 has 935 MA's), (289, 31503), (338, 31437), (386, 31350), (422, 31290), (426, 31278), (449, 31221), (455, 31212), (505, 31092), (514, 31068), (591, 30972), (611, 30924), (647, 30864), (683, 30801), (719, 30732), (732, 30711), (768, 30639), (787, 30597), (798, 30555), (819, 30474), (834, 30426), (855, 30351), (862, 30321), (873, 30291), (905, 30210), (920, 30171), (929, 30147), (935, 30129), (985, 30000), (1007, 29940), (1060, 29805), (1065, 29793), (1071, 29784),

Gene: Gladiator_45 Start: 29628, Stop: 27787, Start Num: 254
Candidate Starts for Gladiator_45:
(Start: 254 @29628 has 935 MA's), (386, 29424), (426, 29349), (427, 29346), (436, 29319), (441, 29304), (449, 29292), (474, 29241), (510, 29151), (514, 29139), (591, 29046), (605, 29007), (618, 28989), (626, 28974), (666, 28908), (681, 28875), (683, 28872), (735, 28770), (767, 28710), (798, 28626), (819, 28545), (846, 28461), (847, 28458), (850, 28449), (855, 28422), (859, 28410), (862, 28392), (899, 28332), (910, 28293), (1003, 28077), (1004, 28074), (1007, 28053), (1060, 27918), (1065, 27906), (1071, 27897), (1073, 27894), (1111, 27801),

Gene: Glamour_37 Start: 28723, Stop: 26858, Start Num: 337
Candidate Starts for Glamour_37:
(Start: 337 @28723 has 44 MA's), (355, 28678), (381, 28624), (420, 28564), (438, 28513), (476, 28435), (478, 28429), (494, 28384), (495, 28381), (496, 28378), (511, 28339), (531, 28279), (582, 28156), (588, 28147), (591, 28135), (595, 28123), (601, 28105), (634, 28084), (639, 28072), (731, 27901), (796, 27733), (850, 27568), (858, 27532), (862, 27511), (876, 27469), (912, 27382), (925, 27337), (962, 27238), (982, 27193), (985, 27184), (1004, 27124), (1007, 27100), (1022, 27067), (1058, 26956),

Gene: Glass_57 Start: 52601, Stop: 50772, Start Num: 215
Candidate Starts for Glass_57:
(Start: 215 @52601 has 328 MA's), (Start: 258 @52574 has 2 MA's), (Start: 282 @52544 has 7 MA's), (Start: 288 @52532 has 1 MA's), (Start: 304 @52505 has 2 MA's), (305, 52502), (314, 52493), (338,

52475), (388, 52379), (418, 52328), (426, 52304), (496, 52142), (506, 52118), (511, 52106), (567, 52049), (590, 52013), (594, 52001), (603, 51977), (652, 51893), (670, 51863), (671, 51860), (684, 51830), (753, 51686), (778, 51620), (792, 51581), (796, 51569), (800, 51548), (806, 51530), (820, 51473), (844, 51416), (850, 51389), (856, 51359), (859, 51350), (879, 51284), (902, 51257), (904, 51248), (910, 51230), (920, 51206), (939, 51152), (944, 51140), (950, 51119), (985, 51050), (1007, 50990), (1018, 50972), (1035, 50939), (1039, 50927), (1041, 50912), (1042, 50909), (1044, 50897), (1054, 50873), (1055, 50870), (1073, 50822), (1075, 50819), (1084, 50798), (1091, 50777),

Gene: GlenHope_59 Start: 53675, Stop: 51858, Start Num: 256
Candidate Starts for GlenHope_59:
(Start: 256 @53675 has 51 MA's), (280, 53645), (391, 53465), (463, 53312), (467, 53300), (481, 53270), (489, 53264), (511, 53201), (513, 53195), (567, 53144), (588, 53117), (590, 53108), (609, 53060), (671, 52955), (718, 52859), (747, 52808), (796, 52664), (806, 52625), (814, 52595), (820, 52568), (824, 52556), (854, 52460), (856, 52454), (859, 52445), (861, 52433), (893, 52361), (904, 52331), (910, 52313), (915, 52304), (939, 52235), (944, 52223), (950, 52202), (985, 52133), (996, 52118), (1004, 52094), (1007, 52073), (1018, 52055), (1021, 52049), (1037, 52016), (1039, 52010), (1042, 51992), (1044, 51980), (1050, 51968), (1054, 51956), (1070, 51914), (1084, 51884),

Gene: Glubnar_59 Start: 53584, Stop: 51764, Start Num: 254
Candidate Starts for Glubnar_59:
(137, 53764), (Start: 254 @53584 has 935 MA's), (280, 53551), (391, 53371), (463, 53218), (467, 53206), (481, 53176), (489, 53170), (511, 53107), (513, 53101), (567, 53050), (590, 53014), (609, 52966), (671, 52861), (718, 52765), (747, 52714), (796, 52570), (806, 52531), (814, 52501), (820, 52474), (824, 52462), (854, 52366), (856, 52360), (859, 52351), (861, 52339), (893, 52267), (904, 52237), (910, 52219), (915, 52210), (939, 52141), (944, 52129), (950, 52108), (985, 52039), (996, 52024), (1004, 52000), (1007, 51979), (1018, 51961), (1021, 51955), (1037, 51922), (1039, 51916), (1042, 51898), (1044, 51886), (1050, 51874), (1054, 51862), (1070, 51820), (1084, 51790),

Gene: Godines_58 Start: 52884, Stop: 51055, Start Num: 215
Candidate Starts for Godines_58:
(Start: 215 @52884 has 328 MA's), (Start: 258 @52857 has 2 MA's), (Start: 288 @52815 has 1 MA's), (Start: 304 @52788 has 2 MA's), (305, 52785), (314, 52776), (338, 52758), (388, 52662), (418, 52611), (426, 52587), (433, 52563), (496, 52425), (506, 52401), (511, 52389), (567, 52332), (590, 52296), (594, 52284), (603, 52260), (652, 52176), (670, 52146), (671, 52143), (684, 52113), (753, 51969), (778, 51903), (792, 51864), (796, 51852), (800, 51831), (806, 51813), (820, 51756), (844, 51699), (850, 51672), (856, 51642), (859, 51633), (879, 51567), (902, 51540), (904, 51531), (910, 51513), (920, 51489), (939, 51435), (944, 51423), (950, 51402), (985, 51333), (1007, 51273), (1018, 51255), (1035, 51222), (1039, 51210), (1041, 51195), (1042, 51192), (1044, 51180), (1054, 51156), (1055, 51153), (1073, 51105), (1075, 51102), (1084, 51081), (1091, 51060),

Gene: GodonK_188 Start: 97693, Stop: 95903, Start Num: 254
Candidate Starts for GodonK_188:
(Start: 254 @97693 has 935 MA's), (305, 97615), (325, 97588), (328, 97585), (378, 97507), (411, 97462), (416, 97453), (437, 97393), (438, 97387), (441, 97381), (467, 97339), (494, 97288), (512, 97243), (568, 97192), (593, 97153), (604, 97123), (610, 97114), (632, 97075), (647, 97048), (657, 97033), (693, 96967), (755, 96850), (788, 96790), (796, 96763), (798, 96751), (810, 96709), (819, 96667), (830, 96637), (846, 96580), (847, 96577), (891, 96427), (892, 96424), (903, 96397), (932, 96316), (954, 96253), (960, 96241), (966, 96232), (1008, 96112), (1024, 96085), (1035, 96064), (1039, 96052), (1060, 95977), (1075, 95956), (1087, 95926),

Gene: GoingMerry_39 Start: 28944, Stop: 27079, Start Num: 339
Candidate Starts for GoingMerry_39:

(Start: 275 @29031 has 3 MA's), (Start: 277 @29028 has 1 MA's), (Start: 339 @28944 has 121 MA's), (Start: 342 @28935 has 5 MA's), (392, 28830), (398, 28821), (418, 28791), (419, 28788), (472, 28668), (476, 28656), (478, 28650), (518, 28545), (525, 28518), (582, 28377), (588, 28368), (591, 28356), (600, 28329), (601, 28326), (612, 28311), (634, 28305), (637, 28299), (657, 28266), (749, 28077), (855, 27762), (858, 27753), (859, 27750), (862, 27732), (876, 27690), (880, 27684), (895, 27660), (912, 27603), (970, 27444), (982, 27414), (985, 27405), (1004, 27345), (1007, 27321), (1025, 27282), (1039, 27249), (1040, 27237), (1058, 27177),

Gene: GoldHunter_44 Start: 32554, Stop: 30161, Start Num: 45
Candidate Starts for GoldHunter_44:
(Start: 45 @32554 has 21 MA's), (59, 32548), (Start: 75 @32500 has 1 MA's), (93, 32458), (103, 32434), (152, 32308), (165, 32284), (213, 32239), (247, 32188), (260, 32173), (Start: 277 @32152 has 1 MA's), (307, 32104), (326, 32071), (333, 32062), (367, 31987), (373, 31975), (417, 31906), (429, 31873), (434, 31858), (459, 31804), (461, 31801), (469, 31783), (476, 31762), (497, 31702), (537, 31579), (539, 31573), (569, 31504), (591, 31462), (668, 31375), (684, 31351), (706, 31345), (716, 31321), (720, 31312), (727, 31297), (733, 31285), (753, 31243), (754, 31240), (755, 31237), (807, 31090), (825, 31021), (827, 31015), (841, 30979), (862, 30886), (874, 30850), (876, 30844), (880, 30838), (883, 30832), (905, 30775), (912, 30751), (925, 30706), (1058, 30325), (1072, 30280), (1101, 30211),

Gene: Golden_37 Start: 28582, Stop: 26732, Start Num: 335
Candidate Starts for Golden_37:
(233, 28723), (301, 28633), (Start: 335 @28582 has 20 MA's), (381, 28483), (398, 28459), (419, 28426), (469, 28315), (476, 28294), (478, 28288), (494, 28243), (496, 28237), (554, 28081), (588, 28018), (591, 28006), (601, 27976), (654, 27919), (789, 27625), (855, 27415), (858, 27406), (859, 27403), (862, 27385), (876, 27343), (912, 27256), (1004, 26998), (1007, 26974), (1008, 26971), (1022, 26941), (1058, 26830),

Gene: GoldenEssence_85 Start: 72236, Stop: 74038, Start Num: 265
Candidate Starts for GoldenEssence_85:
(Start: 265 @72236 has 10 MA's), (Start: 304 @72299 has 2 MA's), (315, 72311), (379, 72422), (418, 72476), (454, 72557), (467, 72584), (470, 72590), (504, 72659), (517, 72695), (591, 72764), (632, 72842), (647, 72869), (657, 72884), (755, 73073), (777, 73118), (787, 73142), (790, 73151), (795, 73169), (803, 73202), (815, 73241), (819, 73262), (822, 73268), (853, 73382), (874, 73466), (876, 73472), (884, 73484), (903, 73532), (906, 73544), (920, 73580), (932, 73613), (935, 73622), (950, 73667), (958, 73685), (996, 73769), (1003, 73790), (1008, 73817), (1040, 73889), (1045, 73913), (1060, 73949), (1075, 73976),

Gene: Gollum_36 Start: 28113, Stop: 26329, Start Num: 254
Candidate Starts for Gollum_36:
(Start: 254 @28113 has 935 MA's), (407, 27879), (422, 27849), (425, 27840), (426, 27837), (441, 27792), (449, 27780), (474, 27729), (514, 27627), (548, 27606), (591, 27534), (606, 27489), (609, 27486), (636, 27444), (638, 27438), (647, 27423), (666, 27396), (719, 27291), (725, 27282), (734, 27264), (735, 27261), (755, 27225), (787, 27168), (819, 27045), (834, 26997), (862, 26892), (863, 26889), (899, 26832), (904, 26811), (923, 26763), (948, 26688), (983, 26619), (1003, 26577), (1007, 26553), (1041, 26475), (1060, 26418), (1065, 26406), (1071, 26397), (1085, 26367), (1091, 26349),

Gene: Gompeii16_44 Start: 35183, Stop: 33354, Start Num: 254
Candidate Starts for Gompeii16_44:
(Start: 254 @35183 has 935 MA's), (391, 34970), (400, 34955), (426, 34907), (436, 34877), (439, 34865), (443, 34856), (449, 34850), (455, 34841), (504, 34724), (514, 34697), (591, 34604), (596, 34589), (603, 34568), (609, 34556), (639, 34505), (641, 34502), (680, 34436), (701, 34406), (711, 34376), (734, 34331), (755, 34292), (819, 34112), (834, 34064), (850, 34016), (859, 33977), (862,

33959), (875, 33920), (899, 33899), (904, 33878), (909, 33863), (953, 33740), (1035, 33569), (1040, 33545), (1057, 33497), (1060, 33485), (1071, 33464), (1075, 33458), (1094, 33410), (1101, 33395),

Gene: GoneGirl_39 Start: 29026, Stop: 27161, Start Num: 339
Candidate Starts for GoneGirl_39:
(Start: 339 @29026 has 121 MA's), (Start: 342 @29017 has 5 MA's), (420, 28867), (471, 28753), (476, 28738), (478, 28732), (540, 28546), (544, 28534), (582, 28459), (588, 28450), (591, 28438), (600, 28411), (601, 28408), (612, 28393), (654, 28351), (680, 28306), (749, 28159), (789, 28057), (796, 28036), (855, 27844), (858, 27835), (859, 27832), (862, 27814), (876, 27772), (884, 27757), (912, 27685), (970, 27526), (982, 27496), (1004, 27427), (1007, 27403), (1025, 27364), (1039, 27331), (1040, 27319),

Gene: Goose_44 Start: 30924, Stop: 29089, Start Num: 254
Candidate Starts for Goose_44:
(Start: 254 @30924 has 935 MA's), (289, 30873), (386, 30720), (400, 30696), (422, 30660), (426, 30648), (443, 30597), (449, 30591), (455, 30582), (491, 30498), (505, 30462), (510, 30450), (513, 30441), (514, 30438), (591, 30345), (611, 30297), (647, 30237), (666, 30210), (678, 30186), (718, 30108), (719, 30105), (732, 30084), (734, 30078), (768, 30012), (787, 29970), (819, 29847), (834, 29799), (855, 29724), (862, 29694), (875, 29655), (905, 29583), (920, 29544), (929, 29520), (931, 29514), (935, 29502), (977, 29394), (1007, 29313), (1021, 29289), (1043, 29226), (1060, 29178), (1065, 29166), (1071, 29157),

Gene: Gophee_62 Start: 54522, Stop: 52663, Start Num: 215
Candidate Starts for Gophee_62:
(Start: 198 @54546 has 1 MA's), (Start: 215 @54522 has 328 MA's), (Start: 245 @54498 has 14 MA's), (Start: 258 @54492 has 2 MA's), (Start: 288 @54450 has 1 MA's), (300, 54429), (360, 54315), (363, 54309), (382, 54279), (418, 54219), (425, 54198), (442, 54144), (454, 54132), (464, 54114), (469, 54102), (511, 53997), (567, 53940), (590, 53904), (594, 53892), (603, 53868), (609, 53856), (620, 53838), (630, 53820), (641, 53802), (666, 53763), (670, 53754), (671, 53751), (673, 53748), (813, 53391), (820, 53358), (827, 53337), (856, 53244), (859, 53235), (881, 53172), (904, 53136), (905, 53133), (910, 53118), (939, 53040), (944, 53028), (950, 53007), (970, 52968), (1007, 52878), (1018, 52860), (1021, 52854), (1029, 52839), (1039, 52815), (1041, 52800), (1042, 52797), (1044, 52785), (1054, 52761), (1060, 52740), (1073, 52713), (1084, 52689),

Gene: Gorgeous_54 Start: 36486, Stop: 34318, Start Num: 218
Candidate Starts for Gorgeous_54:
(Start: 215 @36489 has 328 MA's), (Start: 218 @36486 has 14 MA's), (Start: 256 @36432 has 51 MA's), (309, 36348), (389, 36195), (394, 36186), (420, 36141), (447, 36063), (451, 36054), (460, 36039), (466, 36024), (468, 36021), (491, 35964), (523, 35871), (538, 35829), (625, 35634), (630, 35622), (634, 35616), (647, 35592), (659, 35571), (671, 35550), (679, 35535), (681, 35529), (713, 35466), (735, 35415), (763, 35328), (785, 35268), (798, 35220), (828, 35118), (830, 35112), (838, 35085), (839, 35082), (846, 35061), (856, 35019), (858, 35013), (863, 34989), (876, 34947), (877, 34944), (888, 34917), (901, 34884), (903, 34872), (916, 34836), (925, 34812), (927, 34806), (929, 34800), (947, 34746), (970, 34698), (971, 34695), (996, 34635), (1003, 34611), (1009, 34581), (1036, 34527), (1057, 34458), (1060, 34446), (1076, 34407),

Gene: Graduation_48 Start: 36333, Stop: 34516, Start Num: 254
Candidate Starts for Graduation_48:
(Start: 254 @36333 has 935 MA's), (391, 36120), (400, 36105), (436, 36027), (443, 36006), (449, 36000), (455, 35991), (504, 35874), (514, 35847), (591, 35754), (596, 35739), (609, 35706), (639, 35655), (641, 35652), (680, 35586), (701, 35556), (711, 35526), (734, 35481), (755, 35442), (819, 35262), (834, 35214), (847, 35175), (862, 35109), (875, 35070), (899, 35049), (904, 35028), (910, 35010), (935, 34944), (1003, 34794), (1004, 34791), (1012, 34755), (1029, 34731), (1034, 34722),

(1038, 34710), (1060, 34635), (1071, 34614),

Gene: Grand2040_60 Start: 54525, Stop: 52666, Start Num: 215
Candidate Starts for Grand2040_60:
(Start: 198 @54549 has 1 MA's), (Start: 215 @54525 has 328 MA's), (Start: 245 @54501 has 14 MA's), (Start: 258 @54495 has 2 MA's), (Start: 288 @54453 has 1 MA's), (300, 54432), (360, 54318), (363, 54312), (382, 54282), (418, 54222), (425, 54201), (442, 54147), (454, 54135), (464, 54117), (469, 54105), (511, 54000), (567, 53943), (590, 53907), (594, 53895), (603, 53871), (609, 53859), (620, 53841), (630, 53823), (641, 53805), (666, 53766), (670, 53757), (671, 53754), (673, 53751), (783, 53496), (813, 53394), (820, 53361), (827, 53340), (856, 53247), (859, 53238), (881, 53175), (904, 53139), (905, 53136), (910, 53121), (939, 53043), (944, 53031), (950, 53010), (970, 52971), (1007, 52881), (1018, 52863), (1021, 52857), (1029, 52842), (1039, 52818), (1041, 52803), (1042, 52800), (1044, 52788), (1054, 52764), (1060, 52743), (1073, 52716), (1084, 52692),

Gene: Gratitude_44 Start: 31601, Stop: 29814, Start Num: 254
Candidate Starts for Gratitude_44:
(Start: 254 @31601 has 935 MA's), (386, 31397), (388, 31394), (391, 31388), (413, 31358), (426, 31325), (427, 31322), (436, 31295), (449, 31268), (474, 31217), (514, 31115), (591, 31022), (609, 30974), (618, 30965), (626, 30950), (666, 30884), (708, 30803), (732, 30755), (798, 30611), (819, 30530), (836, 30479), (846, 30446), (862, 30377), (875, 30338), (899, 30317), (904, 30296), (908, 30284), (983, 30104), (985, 30098), (1003, 30062), (1007, 30038), (1041, 29960), (1060, 29903), (1065, 29891),

Gene: GrecoEtereo_45 Start: 34806, Stop: 32980, Start Num: 254
Candidate Starts for GrecoEtereo_45:
(Start: 254 @34806 has 935 MA's), (391, 34593), (400, 34578), (426, 34530), (436, 34500), (443, 34479), (449, 34473), (455, 34464), (504, 34347), (514, 34320), (591, 34227), (596, 34212), (609, 34179), (639, 34128), (641, 34125), (680, 34059), (701, 34029), (711, 33999), (734, 33954), (755, 33915), (819, 33735), (834, 33687), (847, 33648), (862, 33582), (875, 33543), (899, 33522), (904, 33501), (910, 33483), (935, 33417), (1003, 33267), (1004, 33264), (1012, 33228), (1029, 33204), (1034, 33195), (1038, 33183), (1060, 33108), (1071, 33087),

Gene: GreedyLawyer_45 Start: 29627, Stop: 27786, Start Num: 254
Candidate Starts for GreedyLawyer_45:
(Start: 254 @29627 has 935 MA's), (386, 29423), (426, 29348), (427, 29345), (436, 29318), (441, 29303), (449, 29291), (474, 29240), (510, 29150), (514, 29138), (591, 29045), (605, 29006), (618, 28988), (626, 28973), (666, 28907), (681, 28874), (683, 28871), (735, 28769), (767, 28709), (798, 28625), (819, 28544), (846, 28460), (847, 28457), (850, 28448), (855, 28421), (862, 28391), (899, 28331), (910, 28292), (1003, 28076), (1004, 28073), (1007, 28052), (1060, 27917), (1065, 27905), (1071, 27896), (1073, 27893), (1111, 27800),

Gene: GreenChile_62 Start: 54059, Stop: 52200, Start Num: 215
Candidate Starts for GreenChile_62:
(Start: 198 @54083 has 1 MA's), (Start: 215 @54059 has 328 MA's), (Start: 245 @54035 has 14 MA's), (Start: 258 @54029 has 2 MA's), (Start: 288 @53987 has 1 MA's), (300, 53966), (360, 53852), (363, 53846), (382, 53816), (418, 53756), (425, 53735), (442, 53681), (454, 53669), (464, 53651), (469, 53639), (511, 53534), (567, 53477), (590, 53441), (594, 53429), (605, 53402), (609, 53393), (630, 53357), (666, 53300), (670, 53291), (671, 53288), (673, 53285), (813, 52928), (820, 52895), (827, 52874), (856, 52781), (859, 52772), (881, 52709), (904, 52673), (905, 52670), (910, 52655), (939, 52577), (944, 52565), (950, 52544), (970, 52505), (1007, 52415), (1018, 52397), (1021, 52391), (1029, 52376), (1039, 52352), (1041, 52337), (1042, 52334), (1044, 52322), (1054, 52298), (1073, 52250), (1084, 52226),

Gene: GreenIvy_37 Start: 27580, Stop: 25715, Start Num: 337
Candidate Starts for GreenIvy_37:
(Start: 337 @27580 has 44 MA's), (341, 27574), (387, 27475), (392, 27466), (408, 27442), (418, 27427), (420, 27421), (438, 27370), (441, 27367), (478, 27286), (531, 27136), (533, 27133), (569, 27034), (587, 27007), (588, 27004), (591, 26992), (601, 26962), (634, 26941), (654, 26905), (731, 26758), (798, 26578), (855, 26398), (862, 26368), (883, 26314), (895, 26296), (912, 26239), (918, 26212), (933, 26170), (982, 26050), (985, 26041), (1004, 25981), (1007, 25957), (1011, 25945), (1015, 25936), (1025, 25918), (1039, 25885), (1058, 25813),

Gene: Greg_47 Start: 35124, Stop: 33337, Start Num: 254
Candidate Starts for Greg_47:
(Start: 254 @35124 has 935 MA's), (391, 34911), (400, 34896), (426, 34848), (436, 34818), (443, 34797), (449, 34791), (455, 34782), (504, 34665), (514, 34638), (591, 34545), (596, 34530), (609, 34497), (639, 34446), (641, 34443), (680, 34377), (701, 34347), (711, 34317), (734, 34272), (755, 34233), (819, 34053), (834, 34005), (847, 33966), (862, 33900), (902, 33828), (904, 33819), (935, 33735), (971, 33648), (1029, 33522), (1035, 33510), (1060, 33426), (1063, 33420),

Gene: Gretchen_48 Start: 32640, Stop: 34505, Start Num: 253
Candidate Starts for Gretchen_48:
(164, 32514), (209, 32583), (Start: 253 @32640 has 33 MA's), (436, 32937), (501, 33081), (593, 33234), (647, 33342), (666, 33369), (702, 33429), (727, 33489), (732, 33495), (759, 33552), (762, 33558), (798, 33672), (819, 33753), (841, 33816), (853, 33870), (855, 33876), (923, 34053), (929, 34071), (932, 34080), (936, 34092), (970, 34176), (1018, 34284), (1039, 34329), (1060, 34401), (1096, 34479), (1105, 34500),

Gene: Greys_39 Start: 28932, Stop: 27067, Start Num: 339
Candidate Starts for Greys_39:
(Start: 275 @29019 has 3 MA's), (Start: 277 @29016 has 1 MA's), (Start: 339 @28932 has 121 MA's), (Start: 342 @28923 has 5 MA's), (392, 28818), (398, 28809), (418, 28779), (419, 28776), (472, 28656), (476, 28644), (478, 28638), (518, 28533), (525, 28506), (582, 28365), (588, 28356), (591, 28344), (600, 28317), (601, 28314), (612, 28299), (634, 28293), (637, 28287), (657, 28254), (749, 28065), (855, 27750), (858, 27741), (859, 27738), (862, 27720), (876, 27678), (880, 27672), (895, 27648), (912, 27591), (970, 27432), (982, 27402), (985, 27393), (1004, 27333), (1007, 27309), (1025, 27270), (1039, 27237), (1040, 27225), (1058, 27165),

Gene: Grif_48 Start: 31927, Stop: 30113, Start Num: 254
Candidate Starts for Grif_48:
(Start: 254 @31927 has 935 MA's), (284, 31888), (289, 31876), (386, 31723), (395, 31708), (426, 31651), (449, 31594), (455, 31585), (474, 31543), (494, 31492), (514, 31441), (591, 31348), (609, 31300), (618, 31291), (626, 31276), (647, 31237), (666, 31210), (680, 31180), (727, 31087), (734, 31075), (758, 31027), (767, 31012), (819, 30856), (847, 30769), (859, 30721), (862, 30703), (875, 30664), (905, 30592), (920, 30553), (929, 30529), (935, 30511), (946, 30478), (956, 30451), (985, 30397), (1007, 30337), (1041, 30259), (1060, 30202), (1065, 30190), (1071, 30181),

Gene: GrimEater_37 Start: 28029, Stop: 29894, Start Num: 254
Candidate Starts for GrimEater_37:
(Start: 254 @28029 has 935 MA's), (426, 28296), (436, 28326), (593, 28623), (641, 28722), (657, 28746), (708, 28836), (732, 28884), (819, 29142), (860, 29286), (862, 29295), (927, 29454), (932, 29469), (971, 29568), (1004, 29634), (1007, 29655), (1018, 29673), (1060, 29790),

Gene: GroundGoblin_45 Start: 35499, Stop: 33673, Start Num: 254
Candidate Starts for GroundGoblin_45:

(Start: 254 @35499 has 935 MA's), (391, 35286), (400, 35271), (436, 35193), (443, 35172), (449, 35166), (455, 35157), (504, 35040), (514, 35013), (591, 34920), (596, 34905), (639, 34821), (641, 34818), (680, 34752), (711, 34692), (734, 34647), (755, 34608), (819, 34428), (834, 34380), (847, 34341), (862, 34275), (875, 34236), (899, 34215), (904, 34194), (910, 34176), (935, 34110), (1000, 33969), (1003, 33960), (1004, 33957), (1012, 33921), (1029, 33897), (1034, 33888), (1038, 33876), (1060, 33801), (1071, 33780),

Gene: Groundhog_41 Start: 30507, Stop: 28663, Start Num: 254
Candidate Starts for Groundhog_41:
(Start: 149 @30672 has 1 MA's), (Start: 254 @30507 has 935 MA's), (289, 30456), (371, 30333), (386, 30303), (413, 30264), (426, 30231), (436, 30201), (443, 30180), (449, 30174), (455, 30165), (474, 30123), (494, 30072), (513, 30024), (514, 30021), (591, 29925), (600, 29898), (606, 29880), (609, 29877), (618, 29868), (647, 29814), (666, 29787), (690, 29739), (719, 29682), (734, 29655), (759, 29604), (768, 29589), (815, 29442), (819, 29421), (830, 29391), (834, 29373), (836, 29370), (843, 29355), (847, 29334), (850, 29325), (855, 29298), (859, 29286), (862, 29268), (904, 29187), (908, 29175), (929, 29121), (941, 29085), (971, 29016), (983, 28995), (985, 28989), (1004, 28950), (1007, 28929), (1018, 28911), (1060, 28794), (1065, 28782),

Gene: Groupthink_49 Start: 31753, Stop: 29939, Start Num: 254
Candidate Starts for Groupthink_49:
(Start: 254 @31753 has 935 MA's), (284, 31714), (289, 31702), (386, 31549), (395, 31534), (426, 31477), (449, 31420), (455, 31411), (474, 31369), (494, 31318), (514, 31267), (591, 31174), (609, 31126), (626, 31102), (647, 31063), (666, 31036), (680, 31006), (727, 30913), (734, 30901), (758, 30853), (767, 30838), (819, 30682), (836, 30631), (846, 30598), (847, 30595), (862, 30529), (875, 30490), (905, 30418), (920, 30379), (929, 30355), (935, 30337), (946, 30304), (985, 30223), (1007, 30163), (1018, 30145), (1041, 30085), (1043, 30076), (1060, 30028), (1065, 30016), (1071, 30007),

Gene: Grub_48 Start: 31845, Stop: 30031, Start Num: 254
Candidate Starts for Grub_48:
(Start: 254 @31845 has 935 MA's), (284, 31806), (289, 31794), (386, 31641), (395, 31626), (426, 31569), (449, 31512), (455, 31503), (474, 31461), (494, 31410), (514, 31359), (591, 31266), (609, 31218), (618, 31209), (626, 31194), (647, 31155), (666, 31128), (680, 31098), (727, 31005), (734, 30993), (758, 30945), (767, 30930), (819, 30774), (847, 30687), (862, 30621), (875, 30582), (905, 30510), (920, 30471), (929, 30447), (935, 30429), (946, 30396), (956, 30369), (985, 30315), (1007, 30255), (1041, 30177), (1060, 30120), (1065, 30108), (1071, 30099),

Gene: Grum1_48 Start: 31852, Stop: 30038, Start Num: 254
Candidate Starts for Grum1_48:
(Start: 254 @31852 has 935 MA's), (284, 31813), (289, 31801), (386, 31648), (395, 31633), (426, 31576), (449, 31519), (455, 31510), (474, 31468), (494, 31417), (514, 31366), (591, 31273), (609, 31225), (618, 31216), (626, 31201), (647, 31162), (666, 31135), (680, 31105), (727, 31012), (767, 30937), (819, 30781), (847, 30694), (862, 30628), (875, 30589), (905, 30517), (920, 30478), (929, 30454), (935, 30436), (946, 30403), (956, 30376), (985, 30322), (1007, 30262), (1041, 30184), (1060, 30127), (1065, 30115), (1071, 30106),

Gene: Gruunaga_45 Start: 29627, Stop: 27786, Start Num: 254
Candidate Starts for Gruunaga_45:
(Start: 229 @29657 has 1 MA's), (Start: 254 @29627 has 935 MA's), (386, 29423), (426, 29348), (427, 29345), (436, 29318), (441, 29303), (449, 29291), (474, 29240), (510, 29150), (514, 29138), (591, 29045), (605, 29006), (618, 28988), (626, 28973), (666, 28907), (681, 28874), (683, 28871), (735, 28769), (767, 28709), (798, 28625), (819, 28544), (846, 28460), (847, 28457), (850, 28448), (855, 28421), (859, 28409), (862, 28391), (899, 28331), (910, 28292), (1003, 28076), (1004, 28073), (1007, 28052), (1060, 27917), (1065, 27905), (1071, 27896), (1073, 27893), (1111, 27800),

Gene: GtownJaz_48 Start: 31854, Stop: 30040, Start Num: 254
Candidate Starts for GtownJaz_48:
(Start: 254 @31854 has 935 MA's), (284, 31815), (289, 31803), (386, 31650), (395, 31635), (426, 31578), (449, 31521), (455, 31512), (474, 31470), (494, 31419), (514, 31368), (591, 31275), (609, 31227), (618, 31218), (626, 31203), (647, 31164), (666, 31137), (680, 31107), (727, 31014), (734, 31002), (758, 30954), (767, 30939), (819, 30783), (847, 30696), (859, 30648), (862, 30630), (875, 30591), (905, 30519), (920, 30480), (929, 30456), (935, 30438), (946, 30405), (956, 30378), (985, 30324), (1007, 30264), (1041, 30186), (1060, 30129), (1065, 30117), (1071, 30108),

Gene: Gubbabump_38 Start: 28612, Stop: 26747, Start Num: 339
Candidate Starts for Gubbabump_38:
(Start: 275 @28699 has 3 MA's), (Start: 277 @28696 has 1 MA's), (Start: 339 @28612 has 121 MA's), (Start: 342 @28603 has 5 MA's), (392, 28498), (398, 28489), (418, 28459), (419, 28456), (472, 28336), (476, 28324), (478, 28318), (518, 28213), (525, 28186), (582, 28045), (587, 28039), (588, 28036), (591, 28024), (600, 27997), (601, 27994), (612, 27979), (634, 27973), (637, 27967), (657, 27934), (725, 27805), (749, 27745), (855, 27430), (858, 27421), (859, 27418), (862, 27400), (876, 27358), (880, 27352), (884, 27343), (895, 27328), (912, 27271), (970, 27112), (982, 27082), (985, 27073), (1004, 27013), (1007, 26989), (1025, 26950), (1039, 26917), (1040, 26905), (1058, 26845),

Gene: Guetzie_37 Start: 28567, Stop: 26717, Start Num: 335
Candidate Starts for Guetzie_37:
(233, 28708), (301, 28618), (Start: 335 @28567 has 20 MA's), (381, 28468), (398, 28444), (419, 28411), (469, 28300), (476, 28279), (478, 28273), (494, 28228), (496, 28222), (554, 28066), (588, 28003), (591, 27991), (601, 27961), (654, 27904), (789, 27610), (855, 27400), (858, 27391), (859, 27388), (862, 27370), (876, 27328), (912, 27241), (1004, 26983), (1007, 26959), (1008, 26956), (1022, 26926), (1058, 26815),

Gene: Gumpizza_37 Start: 27483, Stop: 29465, Start Num: 253
Candidate Starts for Gumpizza_37:
(Start: 253 @27483 has 33 MA's), (371, 27657), (386, 27687), (415, 27720), (427, 27753), (463, 27828), (473, 27855), (513, 27957), (568, 28056), (647, 28230), (666, 28257), (732, 28386), (788, 28524), (812, 28611), (819, 28644), (830, 28674), (847, 28731), (862, 28797), (903, 28890), (934, 28977), (1007, 29157), (1021, 29181), (1060, 29292), (1107, 29400),

Gene: GurgleFerb_36 Start: 31888, Stop: 30143, Start Num: 285
Candidate Starts for GurgleFerb_36:
(267, 31915), (Start: 285 @31888 has 6 MA's), (287, 31885), (Start: 304 @31852 has 2 MA's), (308, 31846), (361, 31753), (383, 31720), (401, 31693), (465, 31558), (558, 31429), (561, 31423), (578, 31399), (585, 31384), (594, 31357), (605, 31327), (650, 31246), (656, 31237), (684, 31177), (698, 31156), (761, 31042), (768, 31024), (875, 30646), (885, 30628), (921, 30562), (927, 30547), (1012, 30328), (1035, 30286), (1060, 30202), (1074, 30169),

Gene: Gustav_47 Start: 36228, Stop: 33886, Start Num: 11
Candidate Starts for Gustav_47:
(5, 36366), (Start: 11 @36228 has 3 MA's), (29, 36123), (32, 36099), (Start: 45 @36045 has 21 MA's), (53, 36018), (Start: 56 @36006 has 1 MA's), (69, 35973), (79, 35946), (95, 35904), (104, 35886), (113, 35862), (123, 35823), (129, 35808), (138, 35784), (186, 35772), (305, 35610), (340, 35577), (347, 35562), (433, 35388), (442, 35361), (444, 35355), (474, 35310), (489, 35289), (509, 35232), (511, 35226), (514, 35217), (548, 35199), (550, 35193), (590, 35136), (648, 35022), (652, 35016), (654, 35013), (671, 34983), (684, 34953), (747, 34833), (790, 34707), (796, 34689), (803, 34659), (806, 34650), (820, 34593), (844, 34536), (850, 34512), (854, 34488), (856, 34482), (881, 34410), (902, 34383), (904, 34374), (905, 34371), (910, 34356), (920, 34332), (929, 34308), (939, 34278), (944,

34266), (950, 34245), (982, 34185), (995, 34152), (1000, 34137), (1021, 34080), (1041, 34026), (1042, 34023), (1050, 33999), (1054, 33987), (1073, 33936), (1084, 33912),

Gene: Gwendoluna_47 Start: 36544, Stop: 34718, Start Num: 254
Candidate Starts for Gwendoluna_47:
(Start: 254 @36544 has 935 MA's), (391, 36331), (400, 36316), (426, 36268), (436, 36238), (443, 36217), (449, 36211), (455, 36202), (504, 36085), (514, 36058), (591, 35965), (596, 35950), (609, 35917), (639, 35866), (641, 35863), (680, 35797), (701, 35767), (711, 35737), (734, 35692), (755, 35653), (819, 35473), (834, 35425), (847, 35386), (862, 35320), (875, 35281), (899, 35260), (904, 35239), (910, 35221), (935, 35155), (1003, 35005), (1004, 35002), (1012, 34966), (1029, 34942), (1034, 34933), (1038, 34921), (1060, 34846), (1071, 34825),

Gene: Gwennie1_60 Start: 54324, Stop: 52465, Start Num: 215
Candidate Starts for Gwennie1_60:
(Start: 198 @54348 has 1 MA's), (Start: 215 @54324 has 328 MA's), (Start: 245 @54300 has 14 MA's), (Start: 258 @54294 has 2 MA's), (Start: 288 @54252 has 1 MA's), (300, 54231), (360, 54117), (363, 54111), (382, 54081), (418, 54021), (425, 54000), (442, 53946), (454, 53934), (464, 53916), (469, 53904), (511, 53799), (567, 53742), (590, 53706), (594, 53694), (605, 53667), (630, 53622), (666, 53565), (670, 53556), (671, 53553), (813, 53193), (820, 53160), (827, 53139), (856, 53046), (859, 53037), (881, 52974), (904, 52938), (905, 52935), (910, 52920), (939, 52842), (944, 52830), (950, 52809), (970, 52770), (1007, 52680), (1018, 52662), (1021, 52656), (1029, 52641), (1039, 52617), (1041, 52602), (1042, 52599), (1044, 52587), (1054, 52563), (1073, 52515), (1084, 52491),

Gene: Gwennie_47 Start: 31856, Stop: 30042, Start Num: 254
Candidate Starts for Gwennie_47:
(Start: 254 @31856 has 935 MA's), (284, 31817), (289, 31805), (386, 31652), (395, 31637), (426, 31580), (449, 31523), (455, 31514), (474, 31472), (494, 31421), (514, 31370), (591, 31277), (609, 31229), (618, 31220), (626, 31205), (647, 31166), (666, 31139), (680, 31109), (727, 31016), (758, 30956), (767, 30941), (819, 30785), (847, 30698), (862, 30632), (875, 30593), (905, 30521), (920, 30482), (929, 30458), (935, 30440), (946, 30407), (956, 30380), (985, 30326), (1007, 30266), (1041, 30188), (1060, 30131), (1065, 30119), (1071, 30110),

Gene: Gwilliam_61 Start: 54930, Stop: 53071, Start Num: 215
Candidate Starts for Gwilliam_61:
(Start: 198 @54954 has 1 MA's), (Start: 215 @54930 has 328 MA's), (Start: 245 @54906 has 14 MA's), (Start: 258 @54900 has 2 MA's), (Start: 288 @54858 has 1 MA's), (300, 54837), (360, 54723), (363, 54717), (382, 54687), (418, 54627), (425, 54606), (442, 54552), (454, 54540), (464, 54522), (469, 54510), (511, 54405), (567, 54348), (590, 54312), (594, 54300), (605, 54273), (620, 54246), (630, 54228), (641, 54210), (666, 54171), (670, 54162), (671, 54159), (813, 53799), (820, 53766), (827, 53745), (856, 53652), (859, 53643), (881, 53580), (904, 53544), (905, 53541), (910, 53526), (939, 53448), (944, 53436), (950, 53415), (970, 53376), (1007, 53286), (1018, 53268), (1021, 53262), (1029, 53247), (1039, 53223), (1041, 53208), (1042, 53205), (1044, 53193), (1054, 53169), (1073, 53121), (1084, 53097),

Gene: Gyarad_0059 Start: 53612, Stop: 51753, Start Num: 215
Candidate Starts for Gyarad_0059:
(Start: 198 @53636 has 1 MA's), (Start: 215 @53612 has 328 MA's), (Start: 245 @53588 has 14 MA's), (Start: 258 @53582 has 2 MA's), (Start: 288 @53540 has 1 MA's), (300, 53519), (360, 53405), (363, 53399), (382, 53369), (418, 53309), (425, 53288), (442, 53234), (454, 53222), (464, 53204), (469, 53192), (511, 53087), (567, 53030), (590, 52994), (594, 52982), (605, 52955), (609, 52946), (630, 52910), (666, 52853), (670, 52844), (671, 52841), (673, 52838), (813, 52481), (820, 52448), (827, 52427), (856, 52334), (859, 52325), (881, 52262), (904, 52226), (905, 52223), (910, 52208), (939, 52130), (944, 52118), (950, 52097), (970, 52058), (1007, 51968), (1018, 51950), (1021, 51944),

(1029, 51929), (1039, 51905), (1041, 51890), (1042, 51887), (1044, 51875), (1054, 51851), (1073, 51803), (1084, 51779),

Gene: Gyzlar_41 Start: 32798, Stop: 30972, Start Num: 254
Candidate Starts for Gyzlar_41:
(Start: 254 @32798 has 935 MA's), (391, 32585), (400, 32570), (426, 32522), (436, 32492), (443, 32471), (449, 32465), (455, 32456), (504, 32339), (514, 32312), (591, 32219), (596, 32204), (609, 32171), (639, 32120), (641, 32117), (680, 32051), (701, 32021), (711, 31991), (734, 31946), (755, 31907), (819, 31727), (834, 31679), (847, 31640), (862, 31574), (875, 31535), (899, 31514), (904, 31493), (910, 31475), (935, 31409), (1003, 31259), (1004, 31256), (1012, 31220), (1029, 31196), (1034, 31187), (1038, 31175), (1043, 31148), (1060, 31100), (1071, 31079),

Gene: HINdeR_41 Start: 32902, Stop: 31064, Start Num: 254
Candidate Starts for HINdeR_41:
(Start: 254 @32902 has 935 MA's), (271, 32881), (334, 32791), (371, 32728), (391, 32689), (416, 32653), (449, 32569), (463, 32548), (494, 32467), (510, 32428), (514, 32416), (588, 32332), (591, 32320), (600, 32293), (606, 32275), (611, 32272), (626, 32251), (647, 32212), (704, 32119), (718, 32083), (719, 32080), (732, 32059), (768, 31987), (778, 31966), (819, 31822), (834, 31774), (843, 31756), (850, 31726), (859, 31687), (862, 31669), (875, 31630), (904, 31561), (905, 31558), (920, 31519), (935, 31477), (936, 31474), (946, 31444), (983, 31354), (985, 31348), (1007, 31288), (1018, 31270), (1035, 31237), (1041, 31210), (1060, 31153), (1065, 31141), (1071, 31132),

Gene: HSavage_59 Start: 54056, Stop: 52197, Start Num: 215
Candidate Starts for HSavage_59:
(Start: 198 @54080 has 1 MA's), (Start: 215 @54056 has 328 MA's), (Start: 245 @54032 has 14 MA's), (Start: 258 @54026 has 2 MA's), (Start: 288 @53984 has 1 MA's), (300, 53963), (360, 53849), (363, 53843), (382, 53813), (418, 53753), (425, 53732), (442, 53678), (454, 53666), (464, 53648), (469, 53636), (511, 53531), (567, 53474), (590, 53438), (594, 53426), (605, 53399), (630, 53354), (666, 53297), (670, 53288), (671, 53285), (673, 53282), (783, 53027), (813, 52925), (820, 52892), (827, 52871), (856, 52778), (859, 52769), (881, 52706), (904, 52670), (905, 52667), (910, 52652), (939, 52574), (944, 52562), (950, 52541), (970, 52502), (1007, 52412), (1018, 52394), (1021, 52388), (1029, 52373), (1039, 52349), (1041, 52334), (1042, 52331), (1044, 52319), (1054, 52295), (1073, 52247), (1084, 52223),

Gene: Haimas_59 Start: 53973, Stop: 52114, Start Num: 215
Candidate Starts for Haimas_59:
(Start: 198 @53997 has 1 MA's), (Start: 215 @53973 has 328 MA's), (Start: 245 @53949 has 14 MA's), (Start: 258 @53943 has 2 MA's), (Start: 288 @53901 has 1 MA's), (300, 53880), (360, 53766), (363, 53760), (382, 53730), (418, 53670), (425, 53649), (442, 53595), (454, 53583), (464, 53565), (469, 53553), (511, 53448), (567, 53391), (590, 53355), (594, 53343), (605, 53316), (620, 53289), (630, 53271), (641, 53253), (666, 53214), (670, 53205), (671, 53202), (673, 53199), (783, 52944), (813, 52842), (820, 52809), (827, 52788), (856, 52695), (859, 52686), (881, 52623), (904, 52587), (905, 52584), (910, 52569), (939, 52491), (944, 52479), (950, 52458), (970, 52419), (1007, 52329), (1018, 52311), (1021, 52305), (1029, 52290), (1039, 52266), (1041, 52251), (1042, 52248), (1044, 52236), (1054, 52212), (1073, 52164), (1084, 52140),

Gene: HairyMan_35 Start: 28016, Stop: 26154, Start Num: 335
Candidate Starts for HairyMan_35:
(Start: 335 @28016 has 20 MA's), (441, 27803), (476, 27728), (478, 27722), (511, 27632), (521, 27602), (539, 27539), (551, 27503), (582, 27446), (588, 27437), (591, 27425), (601, 27395), (634, 27374), (680, 27293), (725, 27212), (731, 27197), (746, 27167), (775, 27092), (788, 27053), (791, 27041), (859, 26825), (862, 26807), (876, 26765), (912, 26678), (970, 26519), (1007, 26396), (1011, 26384), (1022, 26363), (1025, 26357), (1032, 26348), (1039, 26324), (1058, 26252),

Gene: Haleema_59 Start: 54071, Stop: 52212, Start Num: 215
Candidate Starts for Haleema_59:
(Start: 198 @54095 has 1 MA's), (Start: 215 @54071 has 328 MA's), (Start: 245 @54047 has 14 MA's), (Start: 258 @54041 has 2 MA's), (Start: 288 @53999 has 1 MA's), (300, 53978), (360, 53864), (363, 53858), (382, 53828), (418, 53768), (425, 53747), (442, 53693), (454, 53681), (464, 53663), (469, 53651), (511, 53546), (567, 53489), (590, 53453), (594, 53441), (603, 53417), (609, 53405), (620, 53387), (630, 53369), (641, 53351), (666, 53312), (670, 53303), (671, 53300), (673, 53297), (813, 52940), (820, 52907), (827, 52886), (856, 52793), (859, 52784), (881, 52721), (904, 52685), (905, 52682), (910, 52667), (939, 52589), (944, 52577), (950, 52556), (970, 52517), (1007, 52427), (1018, 52409), (1021, 52403), (1029, 52388), (1039, 52364), (1041, 52349), (1042, 52346), (1044, 52334), (1054, 52310), (1073, 52262), (1084, 52238),

Gene: Halfpint_57 Start: 53415, Stop: 51598, Start Num: 256
Candidate Starts for Halfpint_57:
(137, 53598), (Start: 256 @53415 has 51 MA's), (280, 53385), (391, 53205), (463, 53052), (467, 53040), (481, 53010), (489, 53004), (511, 52941), (513, 52935), (567, 52884), (590, 52848), (609, 52800), (671, 52695), (718, 52599), (747, 52548), (796, 52404), (806, 52365), (814, 52335), (820, 52308), (824, 52296), (854, 52200), (856, 52194), (859, 52185), (861, 52173), (893, 52101), (904, 52071), (910, 52053), (915, 52044), (939, 51975), (944, 51963), (950, 51942), (985, 51873), (996, 51858), (1004, 51834), (1007, 51813), (1018, 51795), (1021, 51789), (1039, 51750), (1042, 51732), (1044, 51720), (1054, 51696), (1070, 51654), (1084, 51624),

Gene: Hally898_52 Start: 52998, Stop: 51175, Start Num: 208
Candidate Starts for Hally898_52:
(Start: 190 @53016 has 4 MA's), (Start: 208 @52998 has 32 MA's), (Start: 258 @52974 has 2 MA's), (280, 52947), (Start: 288 @52932 has 1 MA's), (300, 52911), (353, 52824), (415, 52719), (430, 52677), (464, 52611), (477, 52581), (481, 52572), (487, 52569), (489, 52566), (496, 52539), (567, 52446), (582, 52428), (590, 52410), (594, 52398), (599, 52383), (605, 52371), (670, 52260), (671, 52257), (684, 52227), (706, 52191), (796, 51966), (797, 51963), (806, 51927), (813, 51903), (820, 51870), (854, 51762), (856, 51756), (858, 51750), (859, 51747), (904, 51648), (905, 51645), (910, 51630), (939, 51552), (944, 51540), (950, 51519), (953, 51510), (970, 51480), (983, 51456), (1000, 51423), (1007, 51390), (1018, 51372), (1021, 51366), (1039, 51327), (1042, 51309), (1044, 51297), (1054, 51273), (1070, 51231), (1073, 51225), (1084, 51201),

Gene: Halsey_38 Start: 27738, Stop: 29720, Start Num: 253
Candidate Starts for Halsey_38:
(Start: 253 @27738 has 33 MA's), (371, 27912), (386, 27942), (415, 27975), (427, 28008), (463, 28083), (473, 28110), (568, 28311), (647, 28485), (732, 28641), (788, 28779), (812, 28866), (819, 28899), (830, 28929), (847, 28986), (862, 29052), (903, 29145), (1007, 29412), (1021, 29436), (1060, 29547),

Gene: HamSlice_44 Start: 31568, Stop: 29742, Start Num: 254
Candidate Starts for HamSlice_44:
(Start: 254 @31568 has 935 MA's), (271, 31547), (289, 31517), (305, 31487), (413, 31325), (421, 31307), (449, 31235), (455, 31226), (505, 31106), (514, 31082), (591, 30989), (611, 30941), (626, 30920), (647, 30881), (719, 30749), (732, 30728), (755, 30683), (759, 30671), (815, 30518), (819, 30497), (855, 30374), (862, 30344), (875, 30305), (904, 30239), (905, 30236), (910, 30221), (920, 30197), (929, 30173), (1007, 29966), (1060, 29831), (1065, 29819), (1071, 29810),

Gene: Hami1_39 Start: 29239, Stop: 27413, Start Num: 254
Candidate Starts for Hami1_39:

(Start: 254 @29239 has 935 MA's), (391, 29026), (400, 29011), (426, 28963), (436, 28933), (443, 28912), (449, 28906), (455, 28897), (504, 28780), (514, 28753), (591, 28660), (596, 28645), (609, 28612), (639, 28561), (641, 28558), (680, 28492), (701, 28462), (711, 28432), (734, 28387), (755, 28348), (819, 28168), (830, 28138), (834, 28120), (847, 28081), (862, 28015), (904, 27934), (905, 27931), (935, 27850), (1003, 27700), (1004, 27697), (1012, 27661), (1029, 27637), (1034, 27628), (1038, 27616), (1060, 27541), (1071, 27520),

Gene: Hamish_59 Start: 53967, Stop: 52108, Start Num: 215
Candidate Starts for Hamish_59:
(Start: 198 @53991 has 1 MA's), (Start: 215 @53967 has 328 MA's), (Start: 245 @53943 has 14 MA's), (Start: 258 @53937 has 2 MA's), (Start: 288 @53895 has 1 MA's), (300, 53874), (360, 53760), (363, 53754), (382, 53724), (418, 53664), (425, 53643), (442, 53589), (454, 53577), (464, 53559), (469, 53547), (511, 53442), (567, 53385), (590, 53349), (594, 53337), (605, 53310), (620, 53283), (630, 53265), (641, 53247), (666, 53208), (670, 53199), (671, 53196), (673, 53193), (783, 52938), (813, 52836), (820, 52803), (827, 52782), (856, 52689), (859, 52680), (881, 52617), (904, 52581), (905, 52578), (910, 52563), (939, 52485), (944, 52473), (950, 52452), (970, 52413), (1007, 52323), (1018, 52305), (1021, 52299), (1029, 52284), (1039, 52260), (1041, 52245), (1042, 52242), (1044, 52230), (1054, 52206), (1073, 52158), (1084, 52134),

Gene: Hamlet_38 Start: 29064, Stop: 27199, Start Num: 339
Candidate Starts for Hamlet_38:
(Start: 339 @29064 has 121 MA's), (Start: 342 @29055 has 5 MA's), (471, 28791), (476, 28776), (478, 28770), (525, 28638), (540, 28584), (582, 28497), (588, 28488), (591, 28476), (600, 28449), (601, 28446), (612, 28431), (634, 28425), (654, 28389), (680, 28344), (749, 28197), (789, 28095), (855, 27882), (859, 27870), (862, 27852), (876, 27810), (897, 27780), (912, 27723), (970, 27564), (982, 27534), (1004, 27465), (1007, 27441), (1025, 27402), (1040, 27357),

Gene: Hammer_47 Start: 29790, Stop: 27991, Start Num: 254
Candidate Starts for Hammer_47:
(Start: 254 @29790 has 935 MA's), (386, 29586), (391, 29577), (426, 29511), (427, 29508), (436, 29481), (441, 29466), (449, 29454), (474, 29403), (510, 29313), (514, 29301), (591, 29208), (609, 29160), (618, 29151), (717, 28968), (792, 28818), (819, 28713), (836, 28656), (847, 28620), (850, 28611), (855, 28584), (862, 28554), (875, 28515), (899, 28494), (908, 28461), (910, 28455), (946, 28356), (975, 28293), (1003, 28239), (1007, 28215), (1037, 28158), (1060, 28080), (1065, 28068), (1071, 28059), (1073, 28056),

Gene: HanShotFirst_43 Start: 33831, Stop: 32005, Start Num: 254
Candidate Starts for HanShotFirst_43:
(Start: 254 @33831 has 935 MA's), (391, 33618), (400, 33603), (426, 33555), (436, 33525), (443, 33504), (449, 33498), (455, 33489), (504, 33372), (514, 33345), (591, 33252), (596, 33237), (609, 33204), (639, 33153), (641, 33150), (680, 33084), (701, 33054), (711, 33024), (734, 32979), (755, 32940), (819, 32760), (834, 32712), (847, 32673), (862, 32607), (875, 32568), (899, 32547), (904, 32526), (910, 32508), (935, 32442), (1003, 32292), (1004, 32289), (1012, 32253), (1029, 32229), (1034, 32220), (1038, 32208), (1060, 32133), (1071, 32112),

Gene: HanSolo_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for HanSolo_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080),

(1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: Hangman_53 Start: 54053, Stop: 52230, Start Num: 208
Candidate Starts for Hangman_53:
(Start: 190 @54071 has 4 MA's), (Start: 208 @54053 has 32 MA's), (Start: 258 @54029 has 2 MA's), (280, 54002), (Start: 288 @53987 has 1 MA's), (300, 53966), (353, 53879), (415, 53774), (425, 53747), (430, 53732), (464, 53666), (477, 53636), (481, 53627), (487, 53624), (489, 53621), (496, 53594), (567, 53501), (582, 53483), (590, 53465), (594, 53453), (605, 53426), (641, 53363), (666, 53324), (670, 53315), (671, 53312), (684, 53282), (706, 53246), (796, 53021), (797, 53018), (806, 52982), (813, 52958), (820, 52925), (854, 52817), (856, 52811), (859, 52802), (904, 52703), (905, 52700), (910, 52685), (939, 52607), (944, 52595), (950, 52574), (953, 52565), (970, 52535), (1000, 52478), (1007, 52445), (1021, 52421), (1039, 52382), (1042, 52364), (1044, 52352), (1054, 52328), (1070, 52286), (1073, 52280), (1084, 52256),

Gene: HankSprout_39 Start: 28499, Stop: 26634, Start Num: 339
Candidate Starts for HankSprout_39:
(Start: 275 @28586 has 3 MA's), (Start: 277 @28583 has 1 MA's), (Start: 339 @28499 has 121 MA's), (Start: 342 @28490 has 5 MA's), (392, 28385), (398, 28376), (418, 28346), (419, 28343), (472, 28223), (476, 28211), (478, 28205), (518, 28100), (525, 28073), (582, 27932), (587, 27926), (588, 27923), (591, 27911), (600, 27884), (601, 27881), (612, 27866), (634, 27860), (637, 27854), (657, 27821), (725, 27692), (749, 27632), (855, 27317), (858, 27308), (859, 27305), (862, 27287), (876, 27245), (880, 27239), (884, 27230), (895, 27215), (912, 27158), (970, 26999), (982, 26969), (985, 26960), (1004, 26900), (1007, 26876), (1025, 26837), (1039, 26804), (1040, 26792), (1058, 26732),

Gene: Hanray_43 Start: 31494, Stop: 29701, Start Num: 254
Candidate Starts for Hanray_43:
(Start: 254 @31494 has 935 MA's), (261, 31485), (289, 31443), (369, 31323), (371, 31320), (396, 31272), (427, 31212), (437, 31182), (441, 31170), (449, 31158), (514, 31005), (591, 30912), (666, 30774), (680, 30744), (759, 30585), (767, 30573), (785, 30546), (815, 30438), (819, 30417), (859, 30282), (862, 30264), (904, 30183), (920, 30141), (946, 30066), (983, 29991), (1003, 29949), (1041, 29847), (1060, 29790), (1065, 29778), (1071, 29769),

Gene: Happabalu_61 Start: 55107, Stop: 53248, Start Num: 215
Candidate Starts for Happabalu_61:
(Start: 198 @55131 has 1 MA's), (Start: 215 @55107 has 328 MA's), (Start: 245 @55083 has 14 MA's), (Start: 258 @55077 has 2 MA's), (Start: 288 @55035 has 1 MA's), (300, 55014), (360, 54900), (363, 54894), (382, 54864), (418, 54804), (425, 54783), (442, 54729), (454, 54717), (464, 54699), (469, 54687), (511, 54582), (567, 54525), (590, 54489), (594, 54477), (605, 54450), (630, 54405), (666, 54348), (670, 54339), (671, 54336), (813, 53976), (820, 53943), (827, 53922), (856, 53829), (859, 53820), (881, 53757), (904, 53721), (905, 53718), (910, 53703), (939, 53625), (944, 53613), (950, 53592), (970, 53553), (1007, 53463), (1018, 53445), (1021, 53439), (1029, 53424), (1039, 53400), (1041, 53385), (1042, 53382), (1044, 53370), (1054, 53346), (1073, 53298), (1084, 53274),

Gene: Happiness_44 Start: 31575, Stop: 29749, Start Num: 254
Candidate Starts for Happiness_44:
(Start: 254 @31575 has 935 MA's), (271, 31554), (289, 31524), (305, 31494), (413, 31332), (421, 31314), (449, 31242), (455, 31233), (505, 31113), (514, 31089), (591, 30996), (611, 30948), (626, 30927), (647, 30888), (719, 30756), (732, 30735), (755, 30690), (759, 30678), (815, 30525), (819, 30504), (855, 30381), (862, 30351), (875, 30312), (904, 30246), (905, 30243), (910, 30228), (920, 30204), (929, 30180), (1007, 29973), (1060, 29838), (1065, 29826), (1071, 29817),

Gene: Harlequin_36 Start: 28118, Stop: 26334, Start Num: 254
Candidate Starts for Harlequin_36:

(Start: 254 @28118 has 935 MA's), (407, 27884), (422, 27854), (425, 27845), (426, 27842), (441, 27797), (449, 27785), (474, 27734), (514, 27632), (548, 27611), (591, 27539), (609, 27491), (647, 27428), (666, 27401), (719, 27296), (734, 27269), (755, 27230), (819, 27050), (834, 27002), (862, 26897), (863, 26894), (899, 26837), (904, 26816), (948, 26693), (983, 26624), (1003, 26582), (1007, 26558), (1041, 26480), (1060, 26423), (1065, 26411), (1091, 26354),

Gene: HarryHoudini_45 Start: 31805, Stop: 30018, Start Num: 254
Candidate Starts for HarryHoudini_45:
(Start: 254 @31805 has 935 MA's), (386, 31601), (388, 31598), (391, 31592), (413, 31562), (426, 31529), (427, 31526), (436, 31499), (449, 31472), (463, 31451), (474, 31421), (514, 31319), (591, 31226), (609, 31178), (618, 31169), (626, 31154), (666, 31088), (708, 31007), (732, 30959), (798, 30815), (819, 30734), (836, 30683), (846, 30650), (862, 30581), (875, 30542), (899, 30521), (904, 30500), (908, 30488), (983, 30308), (985, 30302), (1003, 30266), (1007, 30242), (1041, 30164), (1060, 30107), (1065, 30095),

Gene: HarryOW_43 Start: 33978, Stop: 32152, Start Num: 254
Candidate Starts for HarryOW_43:
(Start: 254 @33978 has 935 MA's), (391, 33765), (400, 33750), (426, 33702), (436, 33672), (443, 33651), (449, 33645), (455, 33636), (504, 33519), (514, 33492), (591, 33399), (596, 33384), (609, 33351), (639, 33300), (641, 33297), (680, 33231), (701, 33201), (711, 33171), (734, 33126), (755, 33087), (819, 32907), (834, 32859), (847, 32820), (862, 32754), (875, 32715), (899, 32694), (904, 32673), (910, 32655), (935, 32589), (1003, 32439), (1004, 32436), (1012, 32400), (1029, 32376), (1034, 32367), (1038, 32355), (1060, 32280), (1071, 32259),

Gene: Hartsy_61 Start: 54405, Stop: 52546, Start Num: 215
Candidate Starts for Hartsy_61:
(Start: 198 @54429 has 1 MA's), (Start: 215 @54405 has 328 MA's), (Start: 245 @54381 has 14 MA's), (Start: 258 @54375 has 2 MA's), (Start: 288 @54333 has 1 MA's), (300, 54312), (360, 54198), (363, 54192), (382, 54162), (418, 54102), (425, 54081), (442, 54027), (454, 54015), (464, 53997), (469, 53985), (511, 53880), (567, 53823), (590, 53787), (594, 53775), (603, 53751), (609, 53739), (620, 53721), (630, 53703), (641, 53685), (666, 53646), (670, 53637), (671, 53634), (673, 53631), (813, 53274), (820, 53241), (827, 53220), (856, 53127), (859, 53118), (881, 53055), (904, 53019), (905, 53016), (910, 53001), (939, 52923), (944, 52911), (950, 52890), (970, 52851), (1007, 52761), (1018, 52743), (1021, 52737), (1029, 52722), (1039, 52698), (1041, 52683), (1042, 52680), (1044, 52668), (1054, 52644), (1073, 52596), (1084, 52572),

Gene: Harvey_59 Start: 54060, Stop: 52201, Start Num: 215
Candidate Starts for Harvey_59:
(Start: 198 @54084 has 1 MA's), (Start: 215 @54060 has 328 MA's), (Start: 245 @54036 has 14 MA's), (Start: 258 @54030 has 2 MA's), (Start: 288 @53988 has 1 MA's), (300, 53967), (360, 53853), (363, 53847), (382, 53817), (418, 53757), (425, 53736), (442, 53682), (454, 53670), (464, 53652), (469, 53640), (511, 53535), (567, 53478), (590, 53442), (594, 53430), (605, 53403), (620, 53376), (630, 53358), (641, 53340), (666, 53301), (670, 53292), (671, 53289), (783, 53031), (813, 52929), (820, 52896), (827, 52875), (856, 52782), (859, 52773), (881, 52710), (905, 52671), (910, 52656), (939, 52578), (944, 52566), (950, 52545), (970, 52506), (1007, 52416), (1018, 52398), (1021, 52392), (1029, 52377), (1039, 52353), (1041, 52338), (1042, 52335), (1044, 52323), (1054, 52299), (1073, 52251), (1084, 52227),

Gene: HarveySr_57 Start: 53268, Stop: 51448, Start Num: 254
Candidate Starts for HarveySr_57:
(137, 53448), (Start: 254 @53268 has 935 MA's), (280, 53235), (391, 53055), (437, 52950), (463, 52902), (467, 52890), (481, 52860), (489, 52854), (511, 52791), (513, 52785), (567, 52734), (588, 52707), (590, 52698), (609, 52650), (671, 52545), (718, 52449), (747, 52398), (796, 52254), (806,

52215), (814, 52185), (820, 52158), (824, 52146), (854, 52050), (856, 52044), (859, 52035), (861, 52023), (893, 51951), (904, 51921), (910, 51903), (915, 51894), (939, 51825), (944, 51813), (950, 51792), (985, 51723), (996, 51708), (1004, 51684), (1018, 51645), (1021, 51639), (1037, 51606), (1039, 51600), (1042, 51582), (1044, 51570), (1050, 51558), (1054, 51546), (1084, 51474),

Gene: HashRod_49 Start: 31884, Stop: 30070, Start Num: 254
Candidate Starts for HashRod_49:
(Start: 254 @31884 has 935 MA's), (284, 31845), (289, 31833), (386, 31680), (395, 31665), (426, 31608), (449, 31551), (455, 31542), (474, 31500), (494, 31449), (514, 31398), (568, 31344), (591, 31305), (609, 31257), (626, 31233), (647, 31194), (666, 31167), (680, 31137), (727, 31044), (734, 31032), (758, 30984), (767, 30969), (819, 30813), (836, 30762), (846, 30729), (847, 30726), (862, 30660), (875, 30621), (905, 30549), (920, 30510), (929, 30486), (935, 30468), (946, 30435), (985, 30354), (1007, 30294), (1043, 30207), (1060, 30159), (1065, 30147), (1071, 30138), (1073, 30135),

Gene: Hashim76_61 Start: 54527, Stop: 52683, Start Num: 236
Candidate Starts for Hashim76_61:
(Start: 236 @54527 has 5 MA's), (Start: 288 @54470 has 1 MA's), (Start: 304 @54443 has 2 MA's), (363, 54341), (418, 54254), (426, 54230), (435, 54200), (442, 54179), (463, 54155), (469, 54140), (477, 54122), (511, 54035), (590, 53942), (594, 53930), (609, 53894), (671, 53789), (747, 53642), (775, 53558), (777, 53552), (796, 53492), (797, 53489), (806, 53453), (813, 53429), (820, 53396), (854, 53288), (856, 53282), (859, 53273), (904, 53159), (910, 53141), (939, 53063), (944, 53051), (950, 53030), (985, 52961), (996, 52946), (1007, 52901), (1021, 52877), (1039, 52838), (1041, 52823), (1044, 52808), (1054, 52784), (1070, 52739), (1084, 52709),

Gene: Hasitha_37 Start: 27003, Stop: 25138, Start Num: 337
Candidate Starts for Hasitha_37:
(Start: 337 @27003 has 44 MA's), (341, 26997), (387, 26898), (392, 26889), (408, 26865), (418, 26850), (420, 26844), (438, 26793), (441, 26790), (478, 26709), (501, 26649), (531, 26559), (533, 26556), (569, 26457), (587, 26430), (588, 26427), (591, 26415), (601, 26385), (634, 26364), (654, 26328), (731, 26181), (774, 26079), (798, 26001), (855, 25821), (862, 25791), (883, 25737), (895, 25719), (912, 25662), (918, 25635), (933, 25593), (946, 25554), (982, 25473), (985, 25464), (1004, 25404), (1007, 25380), (1011, 25368), (1015, 25359), (1025, 25341), (1039, 25308), (1058, 25236),

Gene: HaveUMetTed_49 Start: 31735, Stop: 29921, Start Num: 254
Candidate Starts for HaveUMetTed_49:
(Start: 254 @31735 has 935 MA's), (284, 31696), (289, 31684), (386, 31531), (395, 31516), (426, 31459), (449, 31402), (455, 31393), (474, 31351), (494, 31300), (514, 31249), (591, 31156), (609, 31108), (626, 31084), (647, 31045), (666, 31018), (680, 30988), (727, 30895), (734, 30883), (758, 30835), (767, 30820), (819, 30664), (836, 30613), (846, 30580), (847, 30577), (862, 30511), (875, 30472), (905, 30400), (920, 30361), (929, 30337), (935, 30319), (946, 30286), (985, 30205), (1007, 30145), (1018, 30127), (1041, 30067), (1043, 30058), (1060, 30010), (1065, 29998), (1071, 29989),

Gene: HavenFinLeoSun_40 Start: 29283, Stop: 27415, Start Num: 339
Candidate Starts for HavenFinLeoSun_40:
(Start: 275 @29370 has 3 MA's), (Start: 277 @29367 has 1 MA's), (Start: 339 @29283 has 121 MA's), (Start: 342 @29274 has 5 MA's), (418, 29130), (419, 29127), (469, 29016), (472, 29007), (476, 28995), (478, 28989), (518, 28884), (544, 28791), (588, 28707), (591, 28695), (601, 28665), (612, 28650), (634, 28644), (639, 28632), (725, 28476), (731, 28461), (749, 28416), (855, 28101), (862, 28071), (876, 28029), (905, 27963), (912, 27939), (925, 27894), (970, 27780), (1004, 27681), (1007, 27657), (1009, 27651), (1025, 27618), (1040, 27573),

Gene: Heath_52 Start: 53664, Stop: 51841, Start Num: 208
Candidate Starts for Heath_52:

(Start: 190 @53682 has 4 MA's), (Start: 208 @53664 has 32 MA's), (Start: 258 @53640 has 2 MA's), (280, 53613), (Start: 288 @53598 has 1 MA's), (300, 53577), (353, 53490), (415, 53385), (430, 53343), (464, 53277), (477, 53247), (481, 53238), (487, 53235), (489, 53232), (567, 53112), (582, 53094), (590, 53076), (594, 53064), (599, 53049), (605, 53037), (670, 52926), (671, 52923), (684, 52893), (706, 52857), (796, 52632), (797, 52629), (806, 52593), (813, 52569), (820, 52536), (854, 52428), (856, 52422), (859, 52413), (904, 52314), (905, 52311), (910, 52296), (939, 52218), (944, 52206), (950, 52185), (953, 52176), (970, 52146), (1000, 52089), (1007, 52056), (1018, 52038), (1021, 52032), (1039, 51993), (1042, 51975), (1044, 51963), (1054, 51939), (1070, 51897), (1073, 51891), (1084, 51867),

Gene: Heathcliff_58 Start: 53642, Stop: 51825, Start Num: 256
Candidate Starts for Heathcliff_58:
(137, 53825), (Start: 256 @53642 has 51 MA's), (280, 53612), (391, 53432), (463, 53279), (467, 53267), (481, 53237), (489, 53231), (511, 53168), (513, 53162), (567, 53111), (590, 53075), (609, 53027), (671, 52922), (718, 52826), (747, 52775), (796, 52631), (806, 52592), (814, 52562), (820, 52535), (824, 52523), (854, 52427), (856, 52421), (859, 52412), (861, 52400), (893, 52328), (904, 52298), (910, 52280), (915, 52271), (939, 52202), (944, 52190), (950, 52169), (985, 52100), (996, 52085), (1004, 52061), (1007, 52040), (1021, 52016), (1039, 51977), (1042, 51959), (1044, 51947), (1050, 51935), (1054, 51923), (1070, 51881), (1084, 51851),

Gene: Heathen_45 Start: 31183, Stop: 29345, Start Num: 254
Candidate Starts for Heathen_45:
(202, 31255), (Start: 254 @31183 has 935 MA's), (289, 31132), (386, 30979), (422, 30919), (426, 30907), (449, 30850), (455, 30841), (463, 30829), (505, 30721), (514, 30697), (591, 30601), (611, 30553), (647, 30493), (683, 30430), (719, 30361), (732, 30340), (767, 30271), (770, 30265), (787, 30226), (819, 30103), (847, 30016), (855, 29980), (862, 29950), (873, 29920), (905, 29839), (920, 29800), (929, 29776), (935, 29758), (985, 29629), (1007, 29569), (1060, 29434), (1065, 29422), (1071, 29413),

Gene: Heather_37 Start: 27927, Stop: 29858, Start Num: 254
Candidate Starts for Heather_37:
(Start: 254 @27927 has 935 MA's), (271, 27948), (305, 28008), (386, 28137), (418, 28185), (421, 28194), (436, 28239), (577, 28476), (588, 28497), (593, 28515), (618, 28572), (626, 28587), (639, 28614), (647, 28626), (648, 28629), (658, 28644), (732, 28779), (755, 28824), (804, 28977), (819, 29037), (834, 29085), (841, 29100), (847, 29124), (853, 29154), (860, 29181), (862, 29190), (873, 29220), (884, 29244), (932, 29364), (971, 29463), (1000, 29517), (1007, 29550), (1008, 29553), (1012, 29565), (1018, 29568), (1021, 29574), (1035, 29601), (1060, 29685), (1065, 29697), (1094, 29760),

Gene: Hedgerow_57 Start: 52616, Stop: 50787, Start Num: 215
Candidate Starts for Hedgerow_57:
(Start: 215 @52616 has 328 MA's), (Start: 258 @52589 has 2 MA's), (Start: 282 @52559 has 7 MA's), (Start: 288 @52547 has 1 MA's), (Start: 304 @52520 has 2 MA's), (305, 52517), (314, 52508), (338, 52490), (388, 52394), (418, 52343), (426, 52319), (496, 52157), (506, 52133), (511, 52121), (567, 52064), (590, 52028), (594, 52016), (603, 51992), (652, 51908), (670, 51878), (671, 51875), (684, 51845), (753, 51701), (778, 51635), (792, 51596), (796, 51584), (800, 51563), (806, 51545), (820, 51488), (844, 51431), (850, 51404), (856, 51374), (859, 51365), (879, 51299), (902, 51272), (904, 51263), (910, 51245), (920, 51221), (939, 51167), (944, 51155), (950, 51134), (985, 51065), (1007, 51005), (1018, 50987), (1035, 50954), (1039, 50942), (1041, 50927), (1042, 50924), (1044, 50912), (1054, 50888), (1055, 50885), (1073, 50837), (1075, 50834), (1084, 50813), (1091, 50792),

Gene: Heffalump_43 Start: 31940, Stop: 30153, Start Num: 254
Candidate Starts for Heffalump_43:

(59, 32318), (126, 32129), (144, 32090), (Start: 254 @31940 has 935 MA's), (386, 31736), (388, 31733), (391, 31727), (402, 31712), (413, 31697), (426, 31664), (427, 31661), (436, 31634), (449, 31607), (463, 31586), (514, 31454), (591, 31361), (603, 31325), (609, 31313), (618, 31304), (626, 31289), (666, 31223), (708, 31142), (732, 31094), (734, 31088), (767, 31025), (819, 30869), (836, 30818), (846, 30785), (847, 30782), (862, 30716), (875, 30677), (899, 30656), (925, 30581), (929, 30569), (975, 30455), (985, 30437), (1000, 30410), (1003, 30401), (1007, 30377), (1041, 30299), (1060, 30242), (1065, 30230), (1071, 30221),

Gene: Hekos_59 Start: 53602, Stop: 51743, Start Num: 215
Candidate Starts for Hekos_59:
(Start: 198 @53626 has 1 MA's), (Start: 215 @53602 has 328 MA's), (Start: 245 @53578 has 14 MA's), (Start: 258 @53572 has 2 MA's), (Start: 288 @53530 has 1 MA's), (300, 53509), (360, 53395), (363, 53389), (382, 53359), (418, 53299), (425, 53278), (442, 53224), (454, 53212), (464, 53194), (469, 53182), (511, 53077), (567, 53020), (590, 52984), (594, 52972), (605, 52945), (630, 52900), (666, 52843), (670, 52834), (671, 52831), (813, 52471), (820, 52438), (827, 52417), (856, 52324), (859, 52315), (881, 52252), (904, 52216), (905, 52213), (910, 52198), (939, 52120), (944, 52108), (950, 52087), (970, 52048), (1007, 51958), (1018, 51940), (1021, 51934), (1029, 51919), (1039, 51895), (1041, 51880), (1042, 51877), (1044, 51865), (1054, 51841), (1073, 51793), (1084, 51769),

Gene: HelDan_45 Start: 31435, Stop: 29597, Start Num: 254
Candidate Starts for HelDan_45:
(202, 31507), (Start: 254 @31435 has 935 MA's), (289, 31384), (386, 31231), (422, 31171), (426, 31159), (449, 31102), (455, 31093), (463, 31081), (505, 30973), (514, 30949), (591, 30853), (611, 30805), (647, 30745), (683, 30682), (719, 30613), (732, 30592), (767, 30523), (770, 30517), (787, 30478), (819, 30355), (847, 30268), (855, 30232), (862, 30202), (873, 30172), (905, 30091), (920, 30052), (929, 30028), (935, 30010), (985, 29881), (1007, 29821), (1060, 29686), (1065, 29674), (1071, 29665),

Gene: Held_60 Start: 54034, Stop: 52175, Start Num: 215
Candidate Starts for Held_60:
(Start: 198 @54058 has 1 MA's), (Start: 215 @54034 has 328 MA's), (Start: 245 @54010 has 14 MA's), (Start: 258 @54004 has 2 MA's), (Start: 288 @53962 has 1 MA's), (300, 53941), (360, 53827), (363, 53821), (382, 53791), (418, 53731), (425, 53710), (442, 53656), (454, 53644), (464, 53626), (469, 53614), (511, 53509), (567, 53452), (590, 53416), (594, 53404), (605, 53377), (630, 53332), (666, 53275), (670, 53266), (671, 53263), (813, 52903), (820, 52870), (827, 52849), (856, 52756), (859, 52747), (881, 52684), (904, 52648), (905, 52645), (910, 52630), (939, 52552), (944, 52540), (950, 52519), (970, 52480), (1007, 52390), (1018, 52372), (1021, 52366), (1029, 52351), (1039, 52327), (1041, 52312), (1042, 52309), (1044, 52297), (1054, 52273), (1073, 52225), (1084, 52201),

Gene: Heliosoles_47 Start: 31756, Stop: 29942, Start Num: 254
Candidate Starts for Heliosoles_47:
(Start: 254 @31756 has 935 MA's), (284, 31717), (289, 31705), (386, 31552), (395, 31537), (426, 31480), (449, 31423), (455, 31414), (474, 31372), (494, 31321), (514, 31270), (591, 31177), (609, 31129), (626, 31105), (647, 31066), (666, 31039), (680, 31009), (727, 30916), (734, 30904), (758, 30856), (767, 30841), (819, 30685), (836, 30634), (846, 30601), (847, 30598), (862, 30532), (875, 30493), (905, 30421), (920, 30382), (929, 30358), (935, 30340), (946, 30307), (985, 30226), (1007, 30166), (1018, 30148), (1041, 30088), (1043, 30079), (1060, 30031), (1065, 30019), (1071, 30010),

Gene: Helmet_47 Start: 29791, Stop: 27950, Start Num: 254
Candidate Starts for Helmet_47:
(Start: 254 @29791 has 935 MA's), (386, 29587), (426, 29512), (427, 29509), (436, 29482), (441, 29467), (449, 29455), (474, 29404), (510, 29314), (514, 29302), (591, 29209), (605, 29170), (618, 29152), (626, 29137), (666, 29071), (681, 29038), (683, 29035), (735, 28933), (767, 28873), (798,

28789), (819, 28708), (846, 28624), (847, 28621), (850, 28612), (855, 28585), (862, 28555), (899, 28495), (910, 28456), (1003, 28240), (1004, 28237), (1007, 28216), (1060, 28081), (1065, 28069), (1071, 28060), (1073, 28057), (1111, 27964),

Gene: Hendrix_88 Start: 57216, Stop: 59255, Start Num: 250
Candidate Starts for Hendrix_88:
(Start: 250 @57216 has 5 MA's), (292, 57273), (326, 57330), (Start: 342 @57357 has 5 MA's), (361, 57408), (422, 57528), (434, 57564), (444, 57594), (509, 57762), (544, 57876), (560, 57915), (592, 57972), (595, 57981), (601, 57999), (683, 58107), (692, 58122), (695, 58128), (714, 58161), (729, 58194), (745, 58239), (773, 58311), (806, 58416), (807, 58419), (842, 58488), (855, 58545), (862, 58575), (912, 58710), (933, 58779), (946, 58818), (970, 58869), (979, 58890), (1000, 58956), (1004, 58968), (1006, 58989), (1007, 58992), (1009, 58998), (1017, 59016), (1030, 59043), (1039, 59070), (1042, 59088), (1058, 59142), (1065, 59172), (1081, 59214), (1098, 59250),

Gene: HenryJackson_60 Start: 54560, Stop: 52701, Start Num: 215
Candidate Starts for HenryJackson_60:
(Start: 198 @54584 has 1 MA's), (Start: 215 @54560 has 328 MA's), (Start: 245 @54536 has 14 MA's), (Start: 258 @54530 has 2 MA's), (Start: 288 @54488 has 1 MA's), (300, 54467), (360, 54353), (363, 54347), (382, 54317), (418, 54257), (425, 54236), (442, 54182), (454, 54170), (464, 54152), (469, 54140), (511, 54035), (567, 53978), (590, 53942), (594, 53930), (605, 53903), (620, 53876), (630, 53858), (641, 53840), (666, 53801), (670, 53792), (671, 53789), (783, 53531), (813, 53429), (820, 53396), (827, 53375), (856, 53282), (859, 53273), (881, 53210), (904, 53174), (905, 53171), (910, 53156), (939, 53078), (944, 53066), (950, 53045), (970, 53006), (1007, 52916), (1018, 52898), (1021, 52892), (1029, 52877), (1039, 52853), (1041, 52838), (1042, 52835), (1044, 52823), (1054, 52799), (1060, 52778), (1073, 52751), (1084, 52727),

Gene: Herbertwm_42 Start: 30692, Stop: 28857, Start Num: 254
Candidate Starts for Herbertwm_42:
(Start: 254 @30692 has 935 MA's), (386, 30488), (388, 30485), (427, 30410), (436, 30383), (441, 30368), (449, 30356), (463, 30335), (514, 30203), (591, 30110), (618, 30053), (712, 29882), (798, 29693), (819, 29612), (836, 29561), (847, 29525), (855, 29489), (862, 29459), (875, 29420), (899, 29399), (904, 29378), (946, 29261), (956, 29234), (975, 29198), (985, 29180), (1003, 29144), (1004, 29141), (1007, 29120), (1041, 29042), (1060, 28985), (1071, 28964), (1113, 28865),

Gene: Hercules11_48 Start: 31861, Stop: 30047, Start Num: 254
Candidate Starts for Hercules11_48:
(Start: 254 @31861 has 935 MA's), (284, 31822), (289, 31810), (386, 31657), (395, 31642), (426, 31585), (449, 31528), (455, 31519), (474, 31477), (494, 31426), (514, 31375), (591, 31282), (609, 31234), (618, 31225), (626, 31210), (647, 31171), (666, 31144), (680, 31114), (727, 31021), (758, 30961), (767, 30946), (819, 30790), (847, 30703), (862, 30637), (875, 30598), (905, 30526), (920, 30487), (929, 30463), (935, 30445), (946, 30412), (956, 30385), (985, 30331), (1007, 30271), (1041, 30193), (1060, 30136), (1065, 30124), (1071, 30115),

Gene: HerculesXL_37 Start: 27313, Stop: 25415, Start Num: 335
Candidate Starts for HerculesXL_37:
(18, 28051), (19, 28045), (73, 27790), (301, 27364), (Start: 335 @27313 has 20 MA's), (362, 27250), (392, 27199), (418, 27160), (438, 27103), (469, 27046), (472, 27037), (476, 27025), (478, 27019), (496, 26968), (511, 26929), (533, 26866), (544, 26821), (582, 26746), (588, 26737), (591, 26725), (601, 26695), (634, 26674), (639, 26662), (654, 26638), (733, 26488), (817, 26227), (850, 26125), (853, 26104), (862, 26068), (874, 26032), (876, 26026), (912, 25939), (918, 25912), (970, 25780), (985, 25741), (991, 25720), (1004, 25681), (1007, 25657), (1009, 25651), (1022, 25624), (1058, 25513),

Gene: Hermia_46 Start: 35549, Stop: 33723, Start Num: 254
Candidate Starts for Hermia_46:
(Start: 254 @35549 has 935 MA's), (391, 35336), (400, 35321), (436, 35243), (443, 35222), (449, 35216), (455, 35207), (504, 35090), (514, 35063), (591, 34970), (596, 34955), (639, 34871), (641, 34868), (680, 34802), (711, 34742), (734, 34697), (755, 34658), (819, 34478), (834, 34430), (847, 34391), (862, 34325), (875, 34286), (899, 34265), (904, 34244), (910, 34226), (935, 34160), (1000, 34019), (1003, 34010), (1004, 34007), (1012, 33971), (1029, 33947), (1034, 33938), (1038, 33926), (1060, 33851), (1071, 33830),

Gene: HermioneGrange_44 Start: 34683, Stop: 32854, Start Num: 254
Candidate Starts for HermioneGrange_44:
(Start: 254 @34683 has 935 MA's), (391, 34470), (400, 34455), (426, 34407), (436, 34377), (443, 34356), (449, 34350), (455, 34341), (504, 34224), (514, 34197), (591, 34104), (596, 34089), (639, 34005), (641, 34002), (680, 33936), (701, 33906), (711, 33876), (734, 33831), (755, 33792), (819, 33612), (834, 33564), (850, 33516), (859, 33477), (862, 33459), (875, 33420), (899, 33399), (904, 33378), (953, 33240), (1035, 33069), (1040, 33045), (1052, 33012), (1057, 32997), (1060, 32985), (1071, 32964), (1075, 32958), (1094, 32910), (1101, 32895),

Gene: Hertubise_60 Start: 54326, Stop: 52467, Start Num: 215
Candidate Starts for Hertubise_60:
(Start: 198 @54350 has 1 MA's), (Start: 215 @54326 has 328 MA's), (Start: 245 @54302 has 14 MA's), (Start: 258 @54296 has 2 MA's), (Start: 288 @54254 has 1 MA's), (300, 54233), (360, 54119), (363, 54113), (382, 54083), (418, 54023), (425, 54002), (442, 53948), (454, 53936), (464, 53918), (469, 53906), (511, 53801), (567, 53744), (590, 53708), (594, 53696), (605, 53669), (620, 53642), (630, 53624), (641, 53606), (666, 53567), (670, 53558), (671, 53555), (783, 53297), (813, 53195), (820, 53162), (827, 53141), (856, 53048), (859, 53039), (881, 52976), (904, 52940), (905, 52937), (910, 52922), (939, 52844), (944, 52832), (950, 52811), (970, 52772), (1007, 52682), (1018, 52664), (1021, 52658), (1029, 52643), (1039, 52619), (1041, 52604), (1042, 52601), (1044, 52589), (1054, 52565), (1073, 52517), (1084, 52493),

Gene: Hetaeria_60 Start: 54265, Stop: 52406, Start Num: 215
Candidate Starts for Hetaeria_60:
(Start: 198 @54289 has 1 MA's), (Start: 215 @54265 has 328 MA's), (Start: 245 @54241 has 14 MA's), (Start: 258 @54235 has 2 MA's), (Start: 288 @54193 has 1 MA's), (300, 54172), (360, 54058), (363, 54052), (382, 54022), (418, 53962), (425, 53941), (442, 53887), (454, 53875), (464, 53857), (469, 53845), (511, 53740), (567, 53683), (590, 53647), (594, 53635), (603, 53611), (609, 53599), (620, 53581), (630, 53563), (641, 53545), (666, 53506), (670, 53497), (671, 53494), (673, 53491), (813, 53134), (820, 53101), (827, 53080), (856, 52987), (859, 52978), (881, 52915), (904, 52879), (905, 52876), (910, 52861), (939, 52783), (944, 52771), (950, 52750), (970, 52711), (1007, 52621), (1018, 52603), (1021, 52597), (1029, 52582), (1039, 52558), (1041, 52543), (1042, 52540), (1044, 52528), (1054, 52504), (1073, 52456), (1084, 52432),

Gene: Hexamo_45 Start: 29412, Stop: 27571, Start Num: 254
Candidate Starts for Hexamo_45:
(Start: 229 @29442 has 1 MA's), (Start: 254 @29412 has 935 MA's), (386, 29208), (426, 29133), (427, 29130), (436, 29103), (441, 29088), (449, 29076), (474, 29025), (510, 28935), (514, 28923), (591, 28830), (605, 28791), (618, 28773), (626, 28758), (666, 28692), (681, 28659), (683, 28656), (735, 28554), (767, 28494), (798, 28410), (819, 28329), (846, 28245), (847, 28242), (850, 28233), (855, 28206), (862, 28176), (899, 28116), (910, 28077), (1003, 27861), (1004, 27858), (1007, 27837), (1060, 27702), (1065, 27690), (1071, 27681), (1073, 27678), (1111, 27585),

Gene: Hexbug_51 Start: 35224, Stop: 32828, Start Num: 57
Candidate Starts for Hexbug_51:

(28, 35353), (30, 35344), (Start: 57 @35224 has 26 MA's), (112, 35092), (115, 35080), (129, 35035), (165, 34972), (176, 34951), (Start: 219 @34918 has 1 MA's), (260, 34861), (294, 34813), (303, 34798), (333, 34750), (367, 34675), (371, 34669), (373, 34663), (376, 34657), (417, 34588), (426, 34564), (434, 34540), (469, 34465), (476, 34444), (493, 34396), (497, 34384), (515, 34339), (567, 34183), (569, 34177), (668, 34048), (716, 34000), (722, 33988), (754, 33916), (774, 33874), (807, 33763), (816, 33721), (823, 33697), (825, 33688), (841, 33646), (862, 33553), (874, 33517), (876, 33511), (880, 33505), (883, 33499), (905, 33442), (912, 33418), (915, 33400), (947, 33307), (979, 33238), (991, 33199), (1004, 33160), (1006, 33139), (1020, 33106), (1032, 33088), (1058, 32992), (1064, 32968), (1079, 32929), (1108, 32860),

Gene: Heylee_57 Start: 36664, Stop: 34496, Start Num: 218
Candidate Starts for Heylee_57:
(Start: 215 @36667 has 328 MA's), (Start: 218 @36664 has 14 MA's), (Start: 256 @36610 has 51 MA's), (309, 36526), (389, 36373), (394, 36364), (420, 36319), (447, 36241), (451, 36232), (460, 36217), (466, 36202), (468, 36199), (491, 36142), (523, 36049), (538, 36007), (625, 35812), (630, 35800), (634, 35794), (647, 35770), (659, 35749), (671, 35728), (679, 35713), (681, 35707), (713, 35644), (735, 35593), (763, 35506), (785, 35446), (798, 35398), (828, 35296), (830, 35290), (838, 35263), (839, 35260), (846, 35239), (856, 35197), (858, 35191), (863, 35167), (876, 35125), (877, 35122), (888, 35095), (901, 35062), (903, 35050), (916, 35014), (925, 34990), (927, 34984), (929, 34978), (947, 34924), (970, 34876), (971, 34873), (996, 34813), (1003, 34789), (1009, 34759), (1036, 34705), (1039, 34696), (1057, 34636), (1060, 34624), (1076, 34585),

Gene: HighStump_62 Start: 54537, Stop: 52678, Start Num: 215
Candidate Starts for HighStump_62:
(Start: 198 @54561 has 1 MA's), (Start: 215 @54537 has 328 MA's), (Start: 245 @54513 has 14 MA's), (Start: 258 @54507 has 2 MA's), (Start: 288 @54465 has 1 MA's), (300, 54444), (360, 54330), (363, 54324), (382, 54294), (418, 54234), (425, 54213), (442, 54159), (454, 54147), (464, 54129), (511, 54012), (567, 53955), (590, 53919), (594, 53907), (605, 53880), (620, 53853), (630, 53835), (641, 53817), (666, 53778), (670, 53769), (671, 53766), (813, 53406), (820, 53373), (827, 53352), (856, 53259), (859, 53250), (881, 53187), (905, 53148), (910, 53133), (939, 53055), (944, 53043), (950, 53022), (970, 52983), (1004, 52914), (1007, 52893), (1018, 52875), (1021, 52869), (1029, 52854), (1039, 52830), (1041, 52815), (1042, 52812), (1044, 52800), (1054, 52776), (1073, 52728), (1084, 52704),

Gene: HippoHollow_44 Start: 32838, Stop: 31045, Start Num: 254
Candidate Starts for HippoHollow_44:
(Start: 254 @32838 has 935 MA's), (388, 32631), (391, 32625), (402, 32610), (413, 32595), (427, 32559), (436, 32532), (449, 32505), (463, 32484), (514, 32352), (591, 32259), (609, 32211), (618, 32202), (626, 32187), (666, 32121), (708, 32040), (732, 31992), (734, 31986), (755, 31947), (819, 31767), (830, 31737), (836, 31710), (846, 31677), (847, 31674), (862, 31608), (875, 31569), (899, 31548), (902, 31536), (904, 31527), (908, 31515), (983, 31335), (985, 31329), (1003, 31293), (1007, 31269), (1041, 31191), (1060, 31134), (1065, 31122), (1071, 31113),

Gene: HippoPololi_40 Start: 31759, Stop: 29405, Start Num: 56
Candidate Starts for HippoPololi_40:
(42, 31786), (Start: 56 @31759 has 1 MA's), (63, 31744), (74, 31708), (165, 31513), (323, 31306), (Start: 342 @31276 has 5 MA's), (367, 31219), (392, 31183), (403, 31168), (424, 31126), (426, 31120), (434, 31096), (459, 31042), (476, 31000), (541, 30802), (560, 30760), (569, 30742), (664, 30622), (733, 30529), (736, 30520), (754, 30484), (774, 30445), (778, 30433), (816, 30292), (830, 30250), (862, 30130), (874, 30094), (876, 30088), (880, 30082), (883, 30076), (897, 30052), (905, 30019), (912, 29995), (925, 29950), (947, 29884), (991, 29776), (1009, 29707), (1013, 29695), (1027, 29671), (1050, 29593), (1054, 29581), (1058, 29569), (1064, 29545), (1072, 29524), (1081, 29500), (1101, 29455), (1108, 29437),

Gene: Hiro_36 Start: 28373, Stop: 26589, Start Num: 254
Candidate Starts for Hiro_36:
(Start: 254 @28373 has 935 MA's), (407, 28139), (422, 28109), (425, 28100), (426, 28097), (441, 28052), (449, 28040), (455, 28031), (474, 27989), (514, 27887), (548, 27866), (591, 27794), (606, 27749), (609, 27746), (636, 27704), (638, 27698), (647, 27683), (666, 27656), (719, 27551), (734, 27524), (755, 27485), (819, 27305), (834, 27257), (862, 27152), (863, 27149), (899, 27092), (904, 27071), (923, 27023), (948, 26948), (983, 26879), (1003, 26837), (1007, 26813), (1041, 26735), (1060, 26678), (1065, 26666), (1091, 26609),

Gene: Hocus_60 Start: 54021, Stop: 52162, Start Num: 215
Candidate Starts for Hocus_60:
(Start: 198 @54045 has 1 MA's), (Start: 215 @54021 has 328 MA's), (Start: 245 @53997 has 14 MA's), (Start: 258 @53991 has 2 MA's), (Start: 288 @53949 has 1 MA's), (300, 53928), (360, 53814), (363, 53808), (382, 53778), (418, 53718), (425, 53697), (442, 53643), (454, 53631), (464, 53613), (469, 53601), (511, 53496), (567, 53439), (590, 53403), (594, 53391), (605, 53364), (630, 53319), (666, 53262), (670, 53253), (671, 53250), (813, 52890), (820, 52857), (827, 52836), (856, 52743), (859, 52734), (881, 52671), (904, 52635), (905, 52632), (910, 52617), (939, 52539), (944, 52527), (950, 52506), (970, 52467), (1007, 52377), (1018, 52359), (1021, 52353), (1029, 52338), (1039, 52314), (1041, 52299), (1042, 52296), (1044, 52284), (1054, 52260), (1073, 52212), (1084, 52188),

Gene: HogWash_62 Start: 55099, Stop: 53240, Start Num: 215
Candidate Starts for HogWash_62:
(Start: 198 @55123 has 1 MA's), (Start: 215 @55099 has 328 MA's), (Start: 245 @55075 has 14 MA's), (Start: 258 @55069 has 2 MA's), (Start: 288 @55027 has 1 MA's), (300, 55006), (360, 54892), (363, 54886), (382, 54856), (418, 54796), (425, 54775), (442, 54721), (454, 54709), (464, 54691), (469, 54679), (511, 54574), (567, 54517), (590, 54481), (594, 54469), (603, 54445), (609, 54433), (620, 54415), (630, 54397), (641, 54379), (666, 54340), (670, 54331), (671, 54328), (673, 54325), (813, 53968), (820, 53935), (827, 53914), (856, 53821), (859, 53812), (881, 53749), (904, 53713), (905, 53710), (910, 53695), (939, 53617), (944, 53605), (950, 53584), (970, 53545), (1007, 53455), (1018, 53437), (1021, 53431), (1029, 53416), (1039, 53392), (1041, 53377), (1042, 53374), (1044, 53362), (1054, 53338), (1073, 53290), (1084, 53266),

Gene: Holeinone_57 Start: 52455, Stop: 50626, Start Num: 215
Candidate Starts for Holeinone_57:
(Start: 215 @52455 has 328 MA's), (Start: 258 @52428 has 2 MA's), (Start: 282 @52398 has 7 MA's), (Start: 288 @52386 has 1 MA's), (Start: 304 @52359 has 2 MA's), (305, 52356), (314, 52347), (338, 52329), (388, 52233), (418, 52182), (426, 52158), (496, 51996), (503, 51981), (506, 51972), (511, 51960), (567, 51903), (590, 51867), (594, 51855), (603, 51831), (652, 51747), (670, 51717), (671, 51714), (684, 51684), (753, 51540), (778, 51474), (796, 51423), (800, 51402), (806, 51384), (820, 51327), (850, 51243), (856, 51213), (859, 51204), (879, 51138), (902, 51111), (904, 51102), (910, 51084), (920, 51060), (939, 51006), (944, 50994), (950, 50973), (985, 50904), (1007, 50844), (1018, 50826), (1035, 50793), (1039, 50781), (1041, 50766), (1042, 50763), (1044, 50751), (1054, 50727), (1055, 50724), (1073, 50676), (1075, 50673), (1084, 50652), (1091, 50631),

Gene: Holex_44 Start: 31507, Stop: 29714, Start Num: 254
Candidate Starts for Holex_44:
(Start: 254 @31507 has 935 MA's), (261, 31498), (289, 31456), (369, 31336), (371, 31333), (396, 31285), (427, 31225), (437, 31195), (441, 31183), (449, 31171), (514, 31018), (591, 30925), (666, 30787), (680, 30757), (759, 30598), (767, 30586), (785, 30559), (815, 30451), (819, 30430), (859, 30295), (862, 30277), (904, 30196), (920, 30154), (946, 30079), (983, 30004), (1003, 29962), (1041, 29860), (1060, 29803), (1065, 29791), (1071, 29782),

Gene: Holli_44 Start: 31360, Stop: 29534, Start Num: 254
Candidate Starts for Holli_44:
(Start: 254 @31360 has 935 MA's), (271, 31339), (289, 31309), (305, 31279), (413, 31117), (421, 31099), (449, 31027), (455, 31018), (505, 30898), (514, 30874), (591, 30781), (611, 30733), (626, 30712), (647, 30673), (719, 30541), (732, 30520), (755, 30475), (759, 30463), (815, 30310), (819, 30289), (855, 30166), (862, 30136), (875, 30097), (904, 30031), (905, 30028), (910, 30013), (920, 29989), (929, 29965), (1007, 29758), (1060, 29623), (1065, 29611), (1071, 29602),

Gene: Homines_37 Start: 30760, Stop: 28934, Start Num: 254
Candidate Starts for Homines_37:
(Start: 254 @30760 has 935 MA's), (391, 30547), (400, 30532), (426, 30484), (436, 30454), (443, 30433), (449, 30427), (455, 30418), (504, 30301), (514, 30274), (591, 30181), (596, 30166), (609, 30133), (639, 30082), (641, 30079), (680, 30013), (701, 29983), (711, 29953), (734, 29908), (755, 29869), (819, 29689), (830, 29659), (834, 29641), (836, 29638), (847, 29602), (862, 29536), (904, 29455), (905, 29452), (935, 29371), (1003, 29221), (1004, 29218), (1012, 29182), (1029, 29158), (1034, 29149), (1038, 29137), (1060, 29062), (1071, 29041),

Gene: Honk_44 Start: 28246, Stop: 30111, Start Num: 253
Candidate Starts for Honk_44:
(Start: 253 @28246 has 33 MA's), (Start: 288 @28294 has 1 MA's), (332, 28354), (386, 28450), (443, 28567), (593, 28840), (609, 28882), (647, 28948), (711, 29062), (732, 29101), (762, 29164), (797, 29269), (798, 29278), (819, 29359), (836, 29410), (853, 29476), (855, 29482), (863, 29515), (927, 29671), (936, 29698), (971, 29785), (1029, 29911), (1034, 29920), (1039, 29935), (1060, 30007), (1067, 30022), (1076, 30037),

Gene: Hookmount_44 Start: 31598, Stop: 29760, Start Num: 254
Candidate Starts for Hookmount_44:
(Start: 254 @31598 has 935 MA's), (289, 31547), (386, 31394), (426, 31322), (436, 31292), (449, 31265), (455, 31256), (514, 31112), (591, 31016), (611, 30968), (647, 30908), (702, 30821), (719, 30776), (732, 30755), (768, 30683), (787, 30641), (798, 30599), (819, 30518), (834, 30470), (847, 30431), (855, 30395), (862, 30365), (873, 30335), (905, 30254), (920, 30215), (929, 30191), (935, 30173), (936, 30170), (985, 30044), (1007, 29984), (1043, 29897), (1060, 29849), (1065, 29837), (1071, 29828),

Gene: Hoot_45 Start: 29605, Stop: 27764, Start Num: 254
Candidate Starts for Hoot_45:
(Start: 254 @29605 has 935 MA's), (386, 29401), (426, 29326), (427, 29323), (436, 29296), (441, 29281), (449, 29269), (474, 29218), (510, 29128), (514, 29116), (591, 29023), (605, 28984), (618, 28966), (626, 28951), (666, 28885), (681, 28852), (683, 28849), (735, 28747), (767, 28687), (798, 28603), (819, 28522), (846, 28438), (847, 28435), (850, 28426), (855, 28399), (862, 28369), (899, 28309), (910, 28270), (1003, 28054), (1004, 28051), (1007, 28030), (1060, 27895), (1065, 27883), (1071, 27874), (1073, 27871), (1111, 27778),

Gene: Hope4ever_46 Start: 35139, Stop: 33313, Start Num: 254
Candidate Starts for Hope4ever_46:
(Start: 254 @35139 has 935 MA's), (391, 34926), (426, 34863), (436, 34833), (443, 34812), (449, 34806), (455, 34797), (504, 34680), (514, 34653), (591, 34560), (596, 34545), (639, 34461), (641, 34458), (680, 34392), (701, 34362), (711, 34332), (734, 34287), (755, 34248), (819, 34068), (834, 34020), (847, 33981), (862, 33915), (875, 33876), (899, 33855), (904, 33834), (910, 33816), (935, 33750), (1003, 33600), (1004, 33597), (1012, 33561), (1029, 33537), (1034, 33528), (1038, 33516), (1060, 33441), (1071, 33420),

Gene: Horchata_59 Start: 54056, Stop: 52197, Start Num: 215

Candidate Starts for Horchata_59:
(Start: 198 @54080 has 1 MA's), (Start: 215 @54056 has 328 MA's), (Start: 245 @54032 has 14 MA's), (Start: 258 @54026 has 2 MA's), (Start: 288 @53984 has 1 MA's), (300, 53963), (360, 53849), (363, 53843), (382, 53813), (418, 53753), (425, 53732), (442, 53678), (454, 53666), (464, 53648), (469, 53636), (511, 53531), (567, 53474), (590, 53438), (594, 53426), (605, 53399), (609, 53390), (630, 53354), (666, 53297), (670, 53288), (671, 53285), (673, 53282), (813, 52925), (820, 52892), (827, 52871), (856, 52778), (859, 52769), (881, 52706), (904, 52670), (905, 52667), (910, 52652), (939, 52574), (944, 52562), (950, 52541), (970, 52502), (1007, 52412), (1018, 52394), (1021, 52388), (1029, 52373), (1039, 52349), (1041, 52334), (1042, 52331), (1044, 52319), (1054, 52295), (1073, 52247), (1084, 52223),

Gene: Horseradish_45 Start: 32448, Stop: 30058, Start Num: 45
Candidate Starts for Horseradish_45:
(Start: 45 @32448 has 21 MA's), (80, 32385), (87, 32367), (93, 32352), (115, 32298), (118, 32286), (124, 32265), (139, 32232), (152, 32205), (165, 32181), (201, 32154), (Start: 277 @32049 has 1 MA's), (307, 32001), (367, 31884), (417, 31803), (427, 31776), (434, 31755), (459, 31701), (461, 31698), (469, 31680), (476, 31659), (497, 31599), (569, 31401), (591, 31359), (668, 31272), (684, 31248), (706, 31242), (730, 31188), (733, 31182), (753, 31140), (754, 31137), (755, 31134), (807, 30987), (816, 30945), (825, 30918), (841, 30876), (862, 30783), (874, 30747), (876, 30741), (880, 30735), (883, 30729), (897, 30705), (905, 30672), (912, 30648), (925, 30603), (945, 30543), (1004, 30390), (1058, 30222), (1072, 30177), (1076, 30168), (1079, 30159),

Gene: HortumSL17_45 Start: 31483, Stop: 29690, Start Num: 254
Candidate Starts for HortumSL17_45:
(Start: 254 @31483 has 935 MA's), (261, 31474), (289, 31432), (369, 31312), (371, 31309), (396, 31261), (427, 31201), (437, 31171), (441, 31159), (449, 31147), (514, 30994), (591, 30901), (666, 30763), (680, 30733), (759, 30574), (767, 30562), (785, 30535), (815, 30427), (819, 30406), (859, 30271), (862, 30253), (904, 30172), (920, 30130), (946, 30055), (983, 29980), (1003, 29938), (1041, 29836), (1060, 29779), (1065, 29767), (1071, 29758),

Gene: Hosp_050 Start: 50681, Stop: 48840, Start Num: 210
Candidate Starts for Hosp_050:
(85, 50945), (91, 50930), (Start: 210 @50681 has 3 MA's), (280, 50624), (Start: 288 @50609 has 1 MA's), (388, 50435), (418, 50384), (419, 50381), (426, 50360), (442, 50309), (444, 50303), (463, 50285), (481, 50243), (487, 50240), (496, 50210), (567, 50117), (590, 50081), (594, 50069), (657, 49955), (670, 49931), (671, 49928), (775, 49697), (797, 49628), (800, 49610), (806, 49592), (820, 49535), (854, 49427), (856, 49421), (859, 49412), (879, 49349), (904, 49313), (905, 49310), (910, 49295), (939, 49217), (944, 49205), (950, 49184), (951, 49178), (970, 49145), (985, 49115), (996, 49100), (1003, 49079), (1007, 49055), (1021, 49031), (1039, 48992), (1040, 48980), (1041, 48977), (1042, 48974), (1044, 48962), (1054, 48938), (1084, 48866), (1091, 48845),

Gene: Houdini22_45 Start: 31574, Stop: 29748, Start Num: 254
Candidate Starts for Houdini22_45:
(Start: 254 @31574 has 935 MA's), (271, 31553), (289, 31523), (305, 31493), (413, 31331), (421, 31313), (449, 31241), (455, 31232), (505, 31112), (514, 31088), (591, 30995), (611, 30947), (626, 30926), (647, 30887), (719, 30755), (732, 30734), (755, 30689), (759, 30677), (815, 30524), (819, 30503), (855, 30380), (862, 30350), (875, 30311), (904, 30245), (905, 30242), (910, 30227), (920, 30203), (929, 30179), (1007, 29972), (1060, 29837), (1065, 29825), (1071, 29816),

Gene: HuhtaEnerson15_39 Start: 30586, Stop: 28721, Start Num: 254
Candidate Starts for HuhtaEnerson15_39:
(Start: 254 @30586 has 935 MA's), (289, 30535), (334, 30475), (371, 30412), (386, 30382), (388, 30379), (422, 30322), (426, 30310), (436, 30280), (449, 30253), (514, 30100), (591, 30004), (609,

29956), (659, 29872), (666, 29866), (706, 29794), (719, 29761), (727, 29746), (734, 29734), (783, 29635), (819, 29500), (830, 29470), (834, 29452), (843, 29434), (847, 29413), (850, 29404), (862, 29347), (875, 29308), (904, 29266), (910, 29248), (929, 29200), (946, 29149), (971, 29095), (975, 29086), (985, 29068), (1007, 29008), (1018, 28990), (1053, 28897), (1060, 28873), (1065, 28861), (1111, 28756),

Gene: HungryHenry_38 Start: 28624, Stop: 26759, Start Num: 339
Candidate Starts for HungryHenry_38:
(Start: 275 @28711 has 3 MA's), (Start: 277 @28708 has 1 MA's), (Start: 339 @28624 has 121 MA's), (Start: 342 @28615 has 5 MA's), (392, 28510), (398, 28501), (418, 28471), (419, 28468), (472, 28348), (476, 28336), (478, 28330), (518, 28225), (525, 28198), (582, 28057), (587, 28051), (588, 28048), (591, 28036), (600, 28009), (601, 28006), (612, 27991), (634, 27985), (637, 27979), (657, 27946), (725, 27817), (749, 27757), (855, 27442), (858, 27433), (859, 27430), (862, 27412), (876, 27370), (880, 27364), (884, 27355), (895, 27340), (912, 27283), (970, 27124), (982, 27094), (985, 27085), (1004, 27025), (1007, 27001), (1025, 26962), (1039, 26929), (1040, 26917), (1058, 26857),

Gene: Hutc2_44 Start: 30330, Stop: 28543, Start Num: 254
Candidate Starts for Hutc2_44:
(Start: 254 @30330 has 935 MA's), (386, 30126), (426, 30054), (436, 30024), (449, 29997), (593, 29745), (618, 29694), (666, 29613), (688, 29568), (690, 29565), (732, 29484), (759, 29427), (786, 29385), (798, 29340), (819, 29259), (836, 29208), (847, 29172), (862, 29106), (899, 29046), (902, 29034), (938, 28932), (946, 28908), (951, 28890), (985, 28827), (1000, 28800), (1003, 28791), (1007, 28767), (1060, 28632), (1065, 28620), (1071, 28611),

Gene: Huwbert_71 Start: 43958, Stop: 46630, Start Num: 36
Candidate Starts for Huwbert_71:
(Start: 36 @43958 has 2 MA's), (61, 44048), (62, 44051), (63, 44054), (86, 44114), (129, 44231), (213, 44360), (Start: 337 @44537 has 44 MA's), (Start: 342 @44549 has 5 MA's), (359, 44594), (366, 44609), (379, 44636), (429, 44735), (438, 44765), (459, 44804), (476, 44846), (496, 44903), (503, 44918), (529, 44972), (569, 45083), (633, 45224), (702, 45353), (720, 45398), (722, 45401), (730, 45419), (750, 45476), (774, 45536), (793, 45596), (848, 45791), (862, 45854), (887, 45917), (912, 45992), (937, 46073), (947, 46103), (982, 46181), (991, 46211), (1004, 46250), (1008, 46277), (1011, 46286), (1039, 46352), (1058, 46424), (1060, 46433), (1069, 46463), (1117, 46589), (1120, 46607),

Gene: Huxley_44 Start: 31631, Stop: 29805, Start Num: 254
Candidate Starts for Huxley_44:
(Start: 254 @31631 has 935 MA's), (271, 31610), (289, 31580), (305, 31550), (413, 31388), (421, 31370), (449, 31298), (455, 31289), (505, 31169), (514, 31145), (591, 31052), (611, 31004), (626, 30983), (647, 30944), (719, 30812), (732, 30791), (755, 30746), (759, 30734), (815, 30581), (819, 30560), (855, 30437), (862, 30407), (875, 30368), (904, 30302), (905, 30299), (910, 30284), (920, 30260), (929, 30236), (1007, 30029), (1060, 29894), (1065, 29882), (1071, 29873),

Gene: Hydro_53 Start: 54045, Stop: 52222, Start Num: 208
Candidate Starts for Hydro_53:
(Start: 190 @54063 has 4 MA's), (Start: 208 @54045 has 32 MA's), (Start: 258 @54021 has 2 MA's), (280, 53994), (Start: 288 @53979 has 1 MA's), (300, 53958), (353, 53871), (415, 53766), (430, 53724), (464, 53658), (477, 53628), (481, 53619), (487, 53616), (489, 53613), (567, 53493), (582, 53475), (590, 53457), (594, 53445), (599, 53430), (605, 53418), (670, 53307), (671, 53304), (684, 53274), (706, 53238), (796, 53013), (797, 53010), (806, 52974), (813, 52950), (820, 52917), (854, 52809), (856, 52803), (859, 52794), (904, 52695), (905, 52692), (910, 52677), (939, 52599), (944, 52587), (950, 52566), (953, 52557), (970, 52527), (1000, 52470), (1007, 52437), (1018, 52419), (1021, 52413), (1039, 52374), (1042, 52356), (1044, 52344), (1054, 52320), (1070, 52278), (1073, 52272), (1084, 52248),

Gene: IAmGroot_48 Start: 31892, Stop: 33757, Start Num: 253
Candidate Starts for IAmGroot_48:
(Start: 253 @31892 has 33 MA's), (436, 32189), (479, 32279), (647, 32594), (708, 32699), (711, 32708), (732, 32747), (762, 32810), (819, 33005), (841, 33068), (853, 33122), (855, 33128), (863, 33161), (902, 33248), (927, 33317), (936, 33344), (1060, 33653),

Gene: ICleared_45 Start: 31599, Stop: 29773, Start Num: 254
Candidate Starts for ICleared_45:
(Start: 254 @31599 has 935 MA's), (271, 31578), (289, 31548), (305, 31518), (413, 31356), (421, 31338), (449, 31266), (455, 31257), (505, 31137), (514, 31113), (591, 31020), (611, 30972), (626, 30951), (647, 30912), (719, 30780), (732, 30759), (755, 30714), (759, 30702), (815, 30549), (819, 30528), (855, 30405), (862, 30375), (875, 30336), (904, 30270), (905, 30267), (920, 30228), (929, 30204), (1007, 29997), (1060, 29862), (1065, 29850), (1071, 29841),

Gene: ILeeKay_49 Start: 35713, Stop: 33884, Start Num: 254
Candidate Starts for ILeeKay_49:
(Start: 254 @35713 has 935 MA's), (391, 35500), (400, 35485), (436, 35407), (443, 35386), (449, 35380), (455, 35371), (504, 35254), (514, 35227), (591, 35134), (596, 35119), (609, 35086), (639, 35035), (641, 35032), (675, 34978), (680, 34966), (701, 34936), (711, 34906), (734, 34861), (755, 34822), (819, 34642), (834, 34594), (850, 34546), (859, 34507), (862, 34489), (875, 34450), (899, 34429), (904, 34408), (909, 34393), (953, 34270), (1035, 34099), (1040, 34075), (1057, 34027), (1060, 34015), (1071, 33994), (1075, 33988), (1094, 33940), (1101, 33925),

Gene: IUFootball_42 Start: 31379, Stop: 33223, Start Num: 254
Candidate Starts for IUFootball_42:
(Start: 161 @31253 has 1 MA's), (164, 31256), (Start: 254 @31379 has 935 MA's), (436, 31676), (593, 31952), (642, 32054), (657, 32075), (732, 32213), (762, 32276), (819, 32471), (822, 32477), (830, 32501), (847, 32558), (860, 32615), (862, 32624), (910, 32741), (929, 32789), (999, 32948), (1003, 32960), (1037, 33041), (1060, 33119), (1081, 33164),

Gene: Ibantik_18 Start: 8692, Stop: 6680, Start Num: 256
Candidate Starts for Ibantik_18:
(Start: 256 @8692 has 51 MA's), (391, 8473), (413, 8443), (495, 8248), (501, 8236), (514, 8200), (520, 8179), (535, 8122), (591, 7954), (639, 7849), (647, 7837), (673, 7795), (783, 7585), (819, 7450), (852, 7336), (854, 7327), (862, 7294), (875, 7228), (929, 7105), (1000, 6946), (1035, 6862), (1037, 6856), (1039, 6850), (1042, 6832), (1053, 6802), (1060, 6778),

Gene: Icarian_45 Start: 30940, Stop: 32814, Start Num: 241
Candidate Starts for Icarian_45:
(Start: 241 @30940 has 65 MA's), (Start: 299 @31009 has 1 MA's), (315, 31030), (426, 31210), (455, 31276), (464, 31291), (474, 31318), (647, 31612), (766, 31846), (803, 31966), (804, 31969), (819, 32029), (822, 32035), (836, 32080), (843, 32095), (845, 32110), (853, 32146), (862, 32182), (903, 32275), (936, 32368), (967, 32446), (969, 32449), (1003, 32518), (1007, 32542), (1012, 32557), (1037, 32599), (1040, 32617), (1060, 32677), (1071, 32698),

Gene: Iceman_45 Start: 31856, Stop: 30030, Start Num: 254
Candidate Starts for Iceman_45:
(Start: 254 @31856 has 935 MA's), (271, 31835), (289, 31805), (305, 31775), (413, 31613), (421, 31595), (449, 31523), (455, 31514), (505, 31394), (514, 31370), (591, 31277), (611, 31229), (626, 31208), (647, 31169), (719, 31037), (732, 31016), (755, 30971), (759, 30959), (815, 30806), (819, 30785), (855, 30662), (862, 30632), (875, 30593), (904, 30527), (905, 30524), (910, 30509), (920, 30485), (929, 30461), (1007, 30254), (1060, 30119), (1065, 30107), (1071, 30098),

Gene: Ichabod_46 Start: 34837, Stop: 33011, Start Num: 254
Candidate Starts for Ichabod_46:
(Start: 254 @34837 has 935 MA's), (391, 34624), (426, 34561), (436, 34531), (443, 34510), (449, 34504), (455, 34495), (504, 34378), (514, 34351), (591, 34258), (596, 34243), (609, 34210), (639, 34159), (641, 34156), (680, 34090), (701, 34060), (711, 34030), (734, 33985), (755, 33946), (819, 33766), (834, 33718), (847, 33679), (862, 33613), (875, 33574), (899, 33553), (904, 33532), (910, 33514), (935, 33448), (1003, 33298), (1004, 33295), (1029, 33235), (1034, 33226), (1038, 33214), (1060, 33139), (1071, 33118),

Gene: Ichor_55 Start: 36879, Stop: 34711, Start Num: 218
Candidate Starts for Ichor_55:
(Start: 215 @36882 has 328 MA's), (Start: 218 @36879 has 14 MA's), (Start: 256 @36825 has 51 MA's), (309, 36741), (389, 36588), (394, 36579), (420, 36534), (447, 36456), (451, 36447), (460, 36432), (466, 36417), (468, 36414), (491, 36357), (523, 36264), (538, 36222), (625, 36027), (630, 36015), (634, 36009), (647, 35985), (659, 35964), (671, 35943), (679, 35928), (681, 35922), (713, 35859), (735, 35808), (763, 35721), (785, 35661), (798, 35613), (828, 35511), (830, 35505), (838, 35478), (839, 35475), (846, 35454), (856, 35412), (858, 35406), (863, 35382), (876, 35340), (877, 35337), (888, 35310), (901, 35277), (903, 35265), (916, 35229), (925, 35205), (927, 35199), (929, 35193), (947, 35139), (970, 35091), (971, 35088), (996, 35028), (1003, 35004), (1009, 34974), (1036, 34920), (1057, 34851), (1060, 34839), (1076, 34800),

Gene: Idleandcovert_46 Start: 31555, Stop: 29717, Start Num: 254
Candidate Starts for Idleandcovert_46:
(Start: 254 @31555 has 935 MA's), (289, 31504), (338, 31438), (386, 31351), (422, 31291), (426, 31279), (449, 31222), (455, 31213), (505, 31093), (514, 31069), (591, 30973), (611, 30925), (647, 30865), (683, 30802), (719, 30733), (732, 30712), (768, 30640), (787, 30598), (798, 30556), (819, 30475), (834, 30427), (855, 30352), (862, 30322), (873, 30292), (905, 30211), (920, 30172), (929, 30148), (935, 30130), (985, 30001), (1007, 29941), (1060, 29806), (1065, 29794), (1071, 29785),

Gene: IgnatiusPatJac_44 Start: 34736, Stop: 32907, Start Num: 254
Candidate Starts for IgnatiusPatJac_44:
(Start: 254 @34736 has 935 MA's), (391, 34523), (426, 34460), (436, 34430), (443, 34409), (449, 34403), (455, 34394), (504, 34277), (514, 34250), (591, 34157), (596, 34142), (609, 34109), (639, 34058), (641, 34055), (680, 33989), (711, 33929), (734, 33884), (755, 33845), (819, 33665), (834, 33617), (850, 33569), (859, 33530), (862, 33512), (875, 33473), (899, 33452), (904, 33431), (909, 33416), (953, 33293), (1035, 33122), (1040, 33098), (1057, 33050), (1060, 33038), (1071, 33017), (1075, 33011), (1094, 32963), (1101, 32948),

Gene: Ilzat_38 Start: 28635, Stop: 26770, Start Num: 339
Candidate Starts for Ilzat_38:
(Start: 275 @28722 has 3 MA's), (Start: 277 @28719 has 1 MA's), (Start: 339 @28635 has 121 MA's), (Start: 342 @28626 has 5 MA's), (392, 28521), (398, 28512), (418, 28482), (419, 28479), (472, 28359), (476, 28347), (478, 28341), (518, 28236), (525, 28209), (582, 28068), (587, 28062), (588, 28059), (591, 28047), (600, 28020), (601, 28017), (612, 28002), (634, 27996), (637, 27990), (657, 27957), (725, 27828), (749, 27768), (855, 27453), (858, 27444), (859, 27441), (862, 27423), (876, 27381), (880, 27375), (884, 27366), (895, 27351), (912, 27294), (970, 27135), (982, 27105), (985, 27096), (1004, 27036), (1007, 27012), (1025, 26973), (1039, 26940), (1040, 26928), (1058, 26868),

Gene: ImtiyazSitla_62 Start: 54257, Stop: 52398, Start Num: 215
Candidate Starts for ImtiyazSitla_62:
(Start: 198 @54281 has 1 MA's), (Start: 215 @54257 has 328 MA's), (Start: 245 @54233 has 14 MA's), (Start: 258 @54227 has 2 MA's), (Start: 288 @54185 has 1 MA's), (300, 54164), (360, 54050),

(363, 54044), (382, 54014), (418, 53954), (425, 53933), (442, 53879), (454, 53867), (464, 53849), (469, 53837), (511, 53732), (567, 53675), (590, 53639), (594, 53627), (603, 53603), (609, 53591), (620, 53573), (630, 53555), (641, 53537), (666, 53498), (670, 53489), (671, 53486), (673, 53483), (783, 53228), (813, 53126), (820, 53093), (827, 53072), (856, 52979), (859, 52970), (881, 52907), (904, 52871), (905, 52868), (910, 52853), (939, 52775), (944, 52763), (950, 52742), (970, 52703), (1007, 52613), (1018, 52595), (1021, 52589), (1029, 52574), (1039, 52550), (1041, 52535), (1042, 52532), (1044, 52520), (1054, 52496), (1060, 52475), (1073, 52448), (1084, 52424),

Gene: Imvubu_52 Start: 51848, Stop: 49983, Start Num: 203
Candidate Starts for Imvubu_52:
(116, 52028), (Start: 190 @51866 has 4 MA's), (191, 51863), (Start: 203 @51848 has 1 MA's), (Start: 258 @51803 has 2 MA's), (280, 51776), (305, 51731), (426, 51518), (467, 51431), (511, 51323), (567, 51266), (590, 51230), (594, 51218), (603, 51194), (605, 51191), (609, 51182), (613, 51176), (671, 51071), (684, 51041), (706, 51005), (708, 50999), (797, 50771), (820, 50678), (856, 50564), (859, 50555), (881, 50492), (904, 50456), (905, 50453), (910, 50438), (939, 50360), (944, 50348), (950, 50327), (953, 50318), (964, 50300), (985, 50258), (996, 50243), (1007, 50198), (1021, 50174), (1029, 50159), (1039, 50135), (1040, 50123), (1041, 50120), (1042, 50117), (1044, 50105), (1050, 50093), (1054, 50081), (1062, 50057), (1084, 50009),

Gene: Inchworm_62 Start: 54408, Stop: 52549, Start Num: 215
Candidate Starts for Inchworm_62:
(Start: 198 @54432 has 1 MA's), (Start: 215 @54408 has 328 MA's), (Start: 245 @54384 has 14 MA's), (Start: 258 @54378 has 2 MA's), (Start: 288 @54336 has 1 MA's), (300, 54315), (360, 54201), (363, 54195), (382, 54165), (418, 54105), (425, 54084), (442, 54030), (454, 54018), (464, 54000), (469, 53988), (511, 53883), (567, 53826), (590, 53790), (594, 53778), (605, 53751), (620, 53724), (630, 53706), (641, 53688), (666, 53649), (670, 53640), (671, 53637), (673, 53634), (813, 53277), (820, 53244), (827, 53223), (856, 53130), (859, 53121), (881, 53058), (904, 53022), (905, 53019), (910, 53004), (939, 52926), (944, 52914), (950, 52893), (970, 52854), (1007, 52764), (1018, 52746), (1021, 52740), (1029, 52725), (1039, 52701), (1041, 52686), (1042, 52683), (1044, 52671), (1054, 52647), (1073, 52599), (1084, 52575),

Gene: Indlovu_55 Start: 54200, Stop: 52356, Start Num: 210
Candidate Starts for Indlovu_55:
(Start: 210 @54200 has 3 MA's), (300, 54098), (382, 53960), (426, 53876), (481, 53759), (487, 53756), (511, 53690), (567, 53633), (590, 53597), (594, 53585), (603, 53561), (670, 53447), (671, 53444), (673, 53441), (706, 53378), (775, 53213), (778, 53204), (806, 53108), (820, 53051), (840, 53000), (856, 52937), (859, 52928), (879, 52865), (910, 52811), (920, 52787), (939, 52733), (944, 52721), (950, 52700), (953, 52691), (958, 52682), (983, 52637), (985, 52631), (996, 52616), (1007, 52571), (1018, 52553), (1021, 52547), (1039, 52508), (1040, 52496), (1041, 52493), (1042, 52490), (1050, 52466), (1054, 52454), (1084, 52382),

Gene: Indra_48 Start: 29792, Stop: 27951, Start Num: 254
Candidate Starts for Indra_48:
(Start: 254 @29792 has 935 MA's), (386, 29588), (426, 29513), (427, 29510), (436, 29483), (441, 29468), (449, 29456), (474, 29405), (510, 29315), (514, 29303), (591, 29210), (605, 29171), (618, 29153), (626, 29138), (666, 29072), (681, 29039), (683, 29036), (735, 28934), (767, 28874), (798, 28790), (819, 28709), (846, 28625), (847, 28622), (850, 28613), (855, 28586), (862, 28556), (899, 28496), (910, 28457), (1003, 28241), (1004, 28238), (1007, 28217), (1060, 28082), (1065, 28070), (1071, 28061), (1073, 28058), (1111, 27965),

Gene: IndyLu_42 Start: 29805, Stop: 31679, Start Num: 241
Candidate Starts for IndyLu_42:

(Start: 241 @29805 has 65 MA's), (Start: 299 @29874 has 1 MA's), (315, 29895), (455, 30141), (464, 30156), (501, 30237), (647, 30477), (766, 30711), (803, 30831), (804, 30834), (819, 30894), (843, 30960), (845, 30975), (853, 31011), (862, 31047), (903, 31140), (967, 31311), (969, 31314), (1003, 31383), (1012, 31422), (1037, 31464), (1040, 31482), (1060, 31542), (1071, 31563),

Gene: Insomnia_45 Start: 30835, Stop: 29048, Start Num: 254
Candidate Starts for Insomnia_45:
(Start: 254 @30835 has 935 MA's), (386, 30631), (426, 30559), (436, 30529), (449, 30502), (593, 30250), (618, 30199), (666, 30118), (688, 30073), (732, 29989), (759, 29932), (786, 29890), (798, 29845), (819, 29764), (836, 29713), (847, 29677), (862, 29611), (899, 29551), (902, 29539), (938, 29437), (946, 29413), (951, 29395), (985, 29332), (1000, 29305), (1003, 29296), (1007, 29272), (1060, 29137), (1065, 29125), (1071, 29116),

Gene: Inventa_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for Inventa_39:
(Start: 275 @29017 has 3 MA's), (Start: 277 @29014 has 1 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (749, 28063), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (884, 27661), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: Inverness_59 Start: 54064, Stop: 52205, Start Num: 215
Candidate Starts for Inverness_59:
(Start: 198 @54088 has 1 MA's), (Start: 215 @54064 has 328 MA's), (Start: 245 @54040 has 14 MA's), (Start: 258 @54034 has 2 MA's), (Start: 288 @53992 has 1 MA's), (300, 53971), (360, 53857), (363, 53851), (382, 53821), (418, 53761), (425, 53740), (442, 53686), (454, 53674), (464, 53656), (469, 53644), (511, 53539), (567, 53482), (590, 53446), (594, 53434), (603, 53410), (609, 53398), (620, 53380), (630, 53362), (641, 53344), (666, 53305), (670, 53296), (671, 53293), (673, 53290), (813, 52933), (820, 52900), (827, 52879), (856, 52786), (859, 52777), (881, 52714), (905, 52675), (910, 52660), (939, 52582), (944, 52570), (950, 52549), (970, 52510), (1007, 52420), (1018, 52402), (1021, 52396), (1029, 52381), (1039, 52357), (1041, 52342), (1042, 52339), (1044, 52327), (1054, 52303), (1073, 52255), (1084, 52231),

Gene: Inyanga_42 Start: 33573, Stop: 31747, Start Num: 254
Candidate Starts for Inyanga_42:
(Start: 254 @33573 has 935 MA's), (391, 33360), (400, 33345), (426, 33297), (436, 33267), (443, 33246), (449, 33240), (455, 33231), (504, 33114), (514, 33087), (591, 32994), (596, 32979), (639, 32895), (641, 32892), (680, 32826), (701, 32796), (711, 32766), (734, 32721), (755, 32682), (819, 32502), (830, 32472), (834, 32454), (847, 32415), (862, 32349), (904, 32268), (905, 32265), (935, 32184), (1003, 32034), (1004, 32031), (1012, 31995), (1029, 31971), (1038, 31950), (1060, 31875), (1071, 31854),

Gene: Ioannes_39 Start: 28925, Stop: 27069, Start Num: 342
Candidate Starts for Ioannes_39:
(Start: 275 @29021 has 3 MA's), (Start: 277 @29018 has 1 MA's), (Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (472, 28658), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (587, 28361), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (725, 28127), (749, 28067), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (884, 27665), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: Iqorha_42 Start: 33572, Stop: 31746, Start Num: 254
Candidate Starts for Iqorha_42:
(Start: 254 @33572 has 935 MA's), (391, 33359), (400, 33344), (426, 33296), (436, 33266), (443, 33245), (449, 33239), (455, 33230), (504, 33113), (514, 33086), (591, 32993), (596, 32978), (639, 32894), (641, 32891), (680, 32825), (701, 32795), (711, 32765), (734, 32720), (755, 32681), (819, 32501), (830, 32471), (834, 32453), (847, 32414), (862, 32348), (904, 32267), (905, 32264), (935, 32183), (1003, 32033), (1004, 32030), (1012, 31994), (1029, 31970), (1038, 31949), (1060, 31874), (1071, 31853),

Gene: Iracema64_46 Start: 31834, Stop: 30008, Start Num: 254
Candidate Starts for Iracema64_46:
(Start: 254 @31834 has 935 MA's), (271, 31813), (289, 31783), (305, 31753), (413, 31591), (421, 31573), (449, 31501), (455, 31492), (505, 31372), (514, 31348), (591, 31255), (611, 31207), (626, 31186), (647, 31147), (719, 31015), (732, 30994), (755, 30949), (759, 30937), (815, 30784), (819, 30763), (855, 30640), (862, 30610), (875, 30571), (904, 30505), (905, 30502), (910, 30487), (920, 30463), (929, 30439), (1007, 30232), (1060, 30097), (1065, 30085), (1071, 30076),

Gene: Iridessa_61 Start: 53981, Stop: 52122, Start Num: 215
Candidate Starts for Iridessa_61:
(Start: 198 @54005 has 1 MA's), (Start: 215 @53981 has 328 MA's), (Start: 245 @53957 has 14 MA's), (Start: 258 @53951 has 2 MA's), (Start: 288 @53909 has 1 MA's), (300, 53888), (360, 53774), (363, 53768), (382, 53738), (418, 53678), (425, 53657), (442, 53603), (454, 53591), (464, 53573), (469, 53561), (511, 53456), (567, 53399), (590, 53363), (594, 53351), (603, 53327), (609, 53315), (620, 53297), (630, 53279), (641, 53261), (666, 53222), (670, 53213), (671, 53210), (673, 53207), (813, 52850), (820, 52817), (827, 52796), (856, 52703), (859, 52694), (881, 52631), (904, 52595), (905, 52592), (910, 52577), (939, 52499), (944, 52487), (950, 52466), (970, 52427), (1007, 52337), (1018, 52319), (1021, 52313), (1029, 52298), (1039, 52274), (1041, 52259), (1042, 52256), (1044, 52244), (1054, 52220), (1073, 52172), (1084, 52148),

Gene: Iridoclysis_61 Start: 54348, Stop: 52489, Start Num: 215
Candidate Starts for Iridoclysis_61:
(Start: 198 @54372 has 1 MA's), (Start: 215 @54348 has 328 MA's), (Start: 245 @54324 has 14 MA's), (Start: 258 @54318 has 2 MA's), (Start: 288 @54276 has 1 MA's), (300, 54255), (360, 54141), (363, 54135), (382, 54105), (418, 54045), (425, 54024), (442, 53970), (454, 53958), (464, 53940), (469, 53928), (511, 53823), (567, 53766), (590, 53730), (594, 53718), (605, 53691), (620, 53664), (630, 53646), (641, 53628), (666, 53589), (670, 53580), (671, 53577), (783, 53319), (813, 53217), (820, 53184), (827, 53163), (856, 53070), (859, 53061), (881, 52998), (904, 52962), (905, 52959), (910, 52944), (939, 52866), (944, 52854), (950, 52833), (970, 52794), (1007, 52704), (1018, 52686), (1021, 52680), (1029, 52665), (1039, 52641), (1041, 52626), (1042, 52623), (1044, 52611), (1054, 52587), (1073, 52539), (1084, 52515),

Gene: IronMan_44 Start: 32460, Stop: 30670, Start Num: 254
Candidate Starts for IronMan_44:
(Start: 254 @32460 has 935 MA's), (386, 32256), (391, 32247), (427, 32178), (436, 32151), (449, 32124), (514, 31971), (591, 31878), (609, 31830), (618, 31821), (626, 31806), (666, 31740), (681, 31707), (725, 31623), (767, 31542), (786, 31512), (819, 31386), (830, 31356), (836, 31335), (855, 31263), (859, 31251), (862, 31233), (875, 31194), (899, 31173), (904, 31152), (908, 31140), (975, 30972), (1003, 30918), (1007, 30894), (1037, 30837), (1041, 30816), (1060, 30759), (1065, 30747), (1071, 30738),

Gene: IsaacEli_62 Start: 54547, Stop: 52688, Start Num: 215
Candidate Starts for IsaacEli_62:

(Start: 198 @54571 has 1 MA's), (Start: 215 @54547 has 328 MA's), (Start: 245 @54523 has 14 MA's), (Start: 258 @54517 has 2 MA's), (Start: 288 @54475 has 1 MA's), (300, 54454), (360, 54340), (363, 54334), (382, 54304), (418, 54244), (425, 54223), (442, 54169), (454, 54157), (464, 54139), (469, 54127), (511, 54022), (567, 53965), (590, 53929), (594, 53917), (597, 53908), (605, 53890), (620, 53863), (630, 53845), (641, 53827), (666, 53788), (670, 53779), (671, 53776), (673, 53773), (783, 53518), (813, 53416), (820, 53383), (827, 53362), (856, 53269), (859, 53260), (881, 53197), (904, 53161), (905, 53158), (910, 53143), (939, 53065), (944, 53053), (950, 53032), (970, 52993), (1007, 52903), (1018, 52885), (1021, 52879), (1029, 52864), (1039, 52840), (1041, 52825), (1042, 52822), (1044, 52810), (1054, 52786), (1073, 52738), (1084, 52714),

Gene: Isca_44 Start: 30978, Stop: 29140, Start Num: 254
Candidate Starts for Isca_44:
(202, 31050), (Start: 254 @30978 has 935 MA's), (289, 30927), (386, 30774), (413, 30735), (426, 30702), (449, 30645), (455, 30636), (463, 30624), (505, 30516), (514, 30492), (591, 30396), (611, 30348), (647, 30288), (719, 30156), (732, 30135), (770, 30060), (787, 30021), (798, 29979), (819, 29898), (847, 29811), (855, 29775), (862, 29745), (905, 29634), (920, 29595), (929, 29571), (935, 29553), (936, 29550), (983, 29430), (985, 29424), (1007, 29364), (1060, 29229), (1065, 29217), (1071, 29208),

Gene: Isiphiwo_43 Start: 29164, Stop: 27323, Start Num: 254
Candidate Starts for Isiphiwo_43:
(Start: 254 @29164 has 935 MA's), (386, 28960), (426, 28885), (427, 28882), (436, 28855), (441, 28840), (449, 28828), (474, 28777), (510, 28687), (514, 28675), (591, 28582), (605, 28543), (618, 28525), (626, 28510), (666, 28444), (681, 28411), (683, 28408), (735, 28306), (767, 28246), (798, 28162), (819, 28081), (846, 27997), (847, 27994), (850, 27985), (855, 27958), (862, 27928), (899, 27868), (910, 27829), (920, 27805), (1003, 27613), (1004, 27610), (1007, 27589), (1060, 27454), (1065, 27442), (1071, 27433), (1073, 27430), (1111, 27337),

Gene: Iter_41 Start: 29603, Stop: 31468, Start Num: 254
Candidate Starts for Iter_41:
(Start: 254 @29603 has 935 MA's), (Start: 288 @29651 has 1 MA's), (391, 29816), (436, 29900), (479, 29990), (593, 30197), (596, 30206), (641, 30296), (647, 30305), (657, 30320), (732, 30458), (788, 30596), (819, 30716), (830, 30746), (847, 30803), (862, 30869), (903, 30962), (929, 31034), (1060, 31364), (1064, 31373),

Gene: ItsyBitsy1_57 Start: 52478, Stop: 50649, Start Num: 215
Candidate Starts for ItsyBitsy1_57:
(Start: 215 @52478 has 328 MA's), (Start: 258 @52451 has 2 MA's), (Start: 282 @52421 has 7 MA's), (Start: 288 @52409 has 1 MA's), (Start: 304 @52382 has 2 MA's), (305, 52379), (314, 52370), (338, 52352), (388, 52256), (418, 52205), (426, 52181), (433, 52157), (496, 52019), (506, 51995), (511, 51983), (567, 51926), (590, 51890), (594, 51878), (603, 51854), (652, 51770), (670, 51740), (671, 51737), (684, 51707), (753, 51563), (778, 51497), (796, 51446), (800, 51425), (806, 51407), (820, 51350), (850, 51266), (859, 51227), (879, 51161), (902, 51134), (904, 51125), (910, 51107), (920, 51083), (939, 51029), (944, 51017), (950, 50996), (985, 50927), (1007, 50867), (1018, 50849), (1035, 50816), (1039, 50804), (1041, 50789), (1042, 50786), (1044, 50774), (1054, 50750), (1055, 50747), (1073, 50699), (1075, 50696), (1084, 50675), (1091, 50654),

Gene: IttyBittyPiggy_41 Start: 29144, Stop: 31009, Start Num: 254
Candidate Starts for IttyBittyPiggy_41:
(Start: 254 @29144 has 935 MA's), (Start: 288 @29192 has 1 MA's), (491, 29561), (593, 29738), (647, 29846), (657, 29861), (732, 29999), (788, 30137), (819, 30257), (847, 30344), (862, 30410), (903, 30503), (1060, 30905), (1064, 30914),

Gene: Iwokeuplikedis_47 Start: 31404, Stop: 29578, Start Num: 254
Candidate Starts for Iwokeuplikedis_47:
(Start: 254 @31404 has 935 MA's), (386, 31200), (391, 31191), (402, 31176), (413, 31161), (427, 31125), (436, 31098), (449, 31071), (463, 31050), (514, 30918), (591, 30825), (618, 30768), (626, 30753), (666, 30687), (708, 30606), (732, 30558), (734, 30552), (768, 30486), (798, 30414), (819, 30333), (836, 30282), (846, 30249), (847, 30246), (862, 30180), (875, 30141), (899, 30120), (925, 30045), (931, 30027), (946, 29982), (956, 29955), (975, 29919), (1003, 29865), (1007, 29841), (1037, 29784), (1041, 29763), (1060, 29706), (1065, 29694), (1073, 29682), (1111, 29589),

Gene: Ixel_38 Start: 27481, Stop: 25580, Start Num: 337
Candidate Starts for Ixel_38:
(Start: 337 @27481 has 44 MA's), (418, 27328), (419, 27325), (420, 27322), (438, 27271), (469, 27214), (472, 27205), (476, 27193), (478, 27187), (491, 27151), (511, 27097), (582, 26911), (588, 26902), (591, 26890), (601, 26860), (634, 26839), (639, 26827), (654, 26803), (733, 26653), (773, 26557), (817, 26392), (850, 26290), (862, 26233), (874, 26197), (876, 26191), (912, 26104), (925, 26059), (970, 25945), (991, 25885), (1004, 25846), (1007, 25822), (1009, 25816), (1022, 25789), (1058, 25678),

Gene: JAMaL_53 Start: 54192, Stop: 52339, Start Num: 185
Candidate Starts for JAMaL_53:
(175, 54210), (Start: 185 @54192 has 2 MA's), (Start: 258 @54138 has 2 MA's), (280, 54111), (Start: 288 @54096 has 1 MA's), (338, 54024), (340, 54018), (372, 53955), (382, 53937), (388, 53928), (413, 53886), (418, 53877), (419, 53874), (426, 53853), (455, 53787), (477, 53745), (481, 53736), (487, 53733), (496, 53703), (567, 53610), (582, 53592), (590, 53574), (594, 53562), (603, 53538), (605, 53535), (670, 53424), (671, 53421), (673, 53418), (684, 53391), (706, 53355), (796, 53130), (797, 53127), (806, 53091), (814, 53061), (815, 53058), (820, 53034), (854, 52926), (856, 52920), (859, 52911), (904, 52812), (905, 52809), (910, 52794), (939, 52716), (944, 52704), (950, 52683), (953, 52674), (970, 52644), (985, 52614), (1000, 52587), (1007, 52554), (1021, 52530), (1039, 52491), (1041, 52476), (1042, 52473), (1044, 52461), (1054, 52437), (1070, 52395), (1073, 52389), (1084, 52365),

Gene: JC27_45 Start: 34894, Stop: 33068, Start Num: 254
Candidate Starts for JC27_45:
(Start: 254 @34894 has 935 MA's), (391, 34681), (436, 34588), (443, 34567), (449, 34561), (455, 34552), (504, 34435), (514, 34408), (591, 34315), (596, 34300), (609, 34267), (639, 34216), (641, 34213), (680, 34147), (701, 34117), (711, 34087), (734, 34042), (755, 34003), (819, 33823), (834, 33775), (847, 33736), (862, 33670), (875, 33631), (899, 33610), (904, 33589), (910, 33571), (935, 33505), (1003, 33355), (1004, 33352), (1012, 33316), (1029, 33292), (1034, 33283), (1038, 33271), (1043, 33244), (1060, 33196), (1071, 33175),

Gene: JDog_59 Start: 54563, Stop: 52704, Start Num: 215
Candidate Starts for JDog_59:
(Start: 198 @54587 has 1 MA's), (Start: 215 @54563 has 328 MA's), (Start: 245 @54539 has 14 MA's), (Start: 258 @54533 has 2 MA's), (Start: 288 @54491 has 1 MA's), (300, 54470), (360, 54356), (363, 54350), (382, 54320), (418, 54260), (425, 54239), (442, 54185), (454, 54173), (464, 54155), (469, 54143), (511, 54038), (567, 53981), (590, 53945), (594, 53933), (603, 53909), (609, 53897), (620, 53879), (630, 53861), (641, 53843), (666, 53804), (670, 53795), (671, 53792), (783, 53534), (813, 53432), (820, 53399), (827, 53378), (856, 53285), (859, 53276), (881, 53213), (904, 53177), (905, 53174), (910, 53159), (939, 53081), (944, 53069), (950, 53048), (970, 53009), (1007, 52919), (1018, 52901), (1021, 52895), (1029, 52880), (1039, 52856), (1041, 52841), (1042, 52838), (1044, 52826), (1054, 52802), (1073, 52754), (1084, 52730),

Gene: JF2_45 Start: 30729, Stop: 28891, Start Num: 254

Candidate Starts for JF2_45:
(202, 30801), (Start: 254 @30729 has 935 MA's), (289, 30678), (386, 30525), (413, 30486), (426, 30453), (449, 30396), (455, 30387), (463, 30375), (505, 30267), (514, 30243), (591, 30147), (611, 30099), (647, 30039), (719, 29907), (732, 29886), (767, 29817), (787, 29772), (798, 29730), (819, 29649), (847, 29562), (855, 29526), (862, 29496), (905, 29385), (920, 29346), (929, 29322), (935, 29304), (983, 29181), (985, 29175), (1007, 29115), (1059, 28983), (1060, 28980), (1065, 28968), (1071, 28959),

Gene: JF4_45 Start: 30729, Stop: 28891, Start Num: 254
Candidate Starts for JF4_45:
(202, 30801), (Start: 254 @30729 has 935 MA's), (289, 30678), (386, 30525), (413, 30486), (426, 30453), (449, 30396), (455, 30387), (463, 30375), (505, 30267), (514, 30243), (591, 30147), (611, 30099), (647, 30039), (719, 29907), (732, 29886), (767, 29817), (787, 29772), (798, 29730), (819, 29649), (847, 29562), (855, 29526), (862, 29496), (905, 29385), (920, 29346), (929, 29322), (935, 29304), (983, 29181), (985, 29175), (1007, 29115), (1059, 28983), (1060, 28980), (1065, 28968), (1071, 28959),

Gene: JHC117_48 Start: 31851, Stop: 30037, Start Num: 254
Candidate Starts for JHC117_48:
(Start: 254 @31851 has 935 MA's), (284, 31812), (289, 31800), (386, 31647), (395, 31632), (426, 31575), (449, 31518), (455, 31509), (474, 31467), (494, 31416), (514, 31365), (591, 31272), (609, 31224), (618, 31215), (626, 31200), (647, 31161), (666, 31134), (680, 31104), (727, 31011), (758, 30951), (767, 30936), (819, 30780), (847, 30693), (862, 30627), (875, 30588), (905, 30516), (920, 30477), (929, 30453), (935, 30435), (946, 30402), (956, 30375), (985, 30321), (1007, 30261), (1041, 30183), (1060, 30126), (1065, 30114), (1071, 30105),

Gene: JSwag_46 Start: 29679, Stop: 27889, Start Num: 254
Candidate Starts for JSwag_46:
(Start: 254 @29679 has 935 MA's), (371, 29505), (426, 29400), (427, 29397), (436, 29370), (449, 29343), (474, 29292), (514, 29190), (591, 29097), (606, 29052), (609, 29049), (618, 29040), (708, 28878), (719, 28851), (732, 28830), (734, 28824), (788, 28725), (798, 28686), (813, 28635), (819, 28605), (836, 28554), (846, 28521), (853, 28488), (855, 28482), (862, 28452), (899, 28392), (904, 28371), (920, 28329), (930, 28302), (935, 28287), (971, 28200), (1003, 28137), (1004, 28134), (1060, 27978), (1065, 27966), (1073, 27954),

Gene: Jaan_45 Start: 32749, Stop: 30959, Start Num: 254
Candidate Starts for Jaan_45:
(Start: 254 @32749 has 935 MA's), (386, 32545), (391, 32536), (427, 32467), (436, 32440), (449, 32413), (514, 32260), (591, 32167), (609, 32119), (618, 32110), (626, 32095), (666, 32029), (681, 31996), (725, 31912), (767, 31831), (786, 31801), (819, 31675), (836, 31624), (855, 31552), (862, 31522), (875, 31483), (899, 31462), (904, 31441), (908, 31429), (975, 31261), (1003, 31207), (1007, 31183), (1037, 31126), (1041, 31105), (1060, 31048), (1065, 31036), (1071, 31027),

Gene: Jabb_43 Start: 29585, Stop: 31459, Start Num: 241
Candidate Starts for Jabb_43:
(Start: 238 @29582 has 7 MA's), (Start: 241 @29585 has 65 MA's), (Start: 299 @29654 has 1 MA's), (315, 29675), (426, 29855), (455, 29921), (474, 29963), (647, 30257), (719, 30392), (766, 30491), (804, 30614), (819, 30674), (822, 30680), (836, 30725), (845, 30755), (853, 30791), (862, 30827), (903, 30920), (936, 31013), (967, 31091), (1003, 31163), (1012, 31202), (1037, 31244), (1040, 31262), (1060, 31322), (1071, 31343),

Gene: Jabiru_39 Start: 30201, Stop: 28336, Start Num: 254
Candidate Starts for Jabiru_39:

(Start: 254 @30201 has 935 MA's), (334, 30090), (386, 29997), (388, 29994), (426, 29925), (436, 29895), (449, 29868), (455, 29859), (494, 29766), (501, 29751), (514, 29715), (571, 29655), (591, 29619), (609, 29571), (625, 29550), (626, 29547), (659, 29487), (706, 29409), (727, 29361), (734, 29349), (758, 29301), (783, 29250), (819, 29115), (834, 29067), (843, 29049), (847, 29028), (850, 29019), (856, 28989), (862, 28962), (863, 28959), (904, 28881), (910, 28863), (929, 28815), (946, 28764), (971, 28710), (975, 28701), (985, 28683), (1018, 28605), (1060, 28488), (1065, 28476), (1111, 28371),

Gene: Jabith_45 Start: 30836, Stop: 29049, Start Num: 254
Candidate Starts for Jabith_45:
(Start: 254 @30836 has 935 MA's), (386, 30632), (426, 30560), (436, 30530), (449, 30503), (593, 30251), (618, 30200), (666, 30119), (688, 30074), (690, 30071), (732, 29990), (759, 29933), (786, 29891), (798, 29846), (819, 29765), (836, 29714), (847, 29678), (862, 29612), (899, 29552), (938, 29438), (946, 29414), (951, 29396), (985, 29333), (1000, 29306), (1003, 29297), (1007, 29273), (1060, 29138), (1065, 29126), (1071, 29117),

Gene: JacAttac_62 Start: 54010, Stop: 52151, Start Num: 215
Candidate Starts for JacAttac_62:
(Start: 198 @54034 has 1 MA's), (Start: 215 @54010 has 328 MA's), (Start: 245 @53986 has 14 MA's), (Start: 258 @53980 has 2 MA's), (Start: 288 @53938 has 1 MA's), (300, 53917), (360, 53803), (363, 53797), (382, 53767), (418, 53707), (425, 53686), (442, 53632), (454, 53620), (464, 53602), (469, 53590), (511, 53485), (567, 53428), (590, 53392), (594, 53380), (603, 53356), (609, 53344), (620, 53326), (630, 53308), (641, 53290), (666, 53251), (670, 53242), (671, 53239), (673, 53236), (813, 52879), (820, 52846), (827, 52825), (856, 52732), (859, 52723), (881, 52660), (904, 52624), (905, 52621), (910, 52606), (939, 52528), (944, 52516), (950, 52495), (970, 52456), (1007, 52366), (1018, 52348), (1021, 52342), (1029, 52327), (1039, 52303), (1041, 52288), (1042, 52285), (1044, 52273), (1054, 52249), (1073, 52201), (1084, 52177),

Gene: JackSparrow_46 Start: 35167, Stop: 33338, Start Num: 254
Candidate Starts for JackSparrow_46:
(Start: 254 @35167 has 935 MA's), (391, 34954), (436, 34861), (443, 34840), (449, 34834), (455, 34825), (504, 34708), (514, 34681), (591, 34588), (596, 34573), (609, 34540), (639, 34489), (641, 34486), (680, 34420), (701, 34390), (711, 34360), (734, 34315), (755, 34276), (819, 34096), (834, 34048), (850, 34000), (859, 33961), (862, 33943), (875, 33904), (899, 33883), (904, 33862), (909, 33847), (953, 33724), (1035, 33553), (1040, 33529), (1057, 33481), (1060, 33469), (1071, 33448), (1075, 33442), (1094, 33394), (1101, 33379),

Gene: Jackstina_54 Start: 53566, Stop: 51749, Start Num: 256
Candidate Starts for Jackstina_54:
(Start: 256 @53566 has 51 MA's), (280, 53536), (391, 53356), (463, 53203), (467, 53191), (481, 53161), (489, 53155), (511, 53092), (513, 53086), (567, 53035), (590, 52999), (609, 52951), (671, 52846), (718, 52750), (747, 52699), (796, 52555), (806, 52516), (814, 52486), (820, 52459), (824, 52447), (854, 52351), (856, 52345), (859, 52336), (861, 52324), (893, 52252), (904, 52222), (910, 52204), (915, 52195), (939, 52126), (944, 52114), (950, 52093), (985, 52024), (996, 52009), (1004, 51985), (1007, 51964), (1021, 51940), (1039, 51901), (1042, 51883), (1044, 51871), (1050, 51859), (1054, 51847), (1070, 51805), (1084, 51775),

Gene: JacoRen57_40 Start: 35060, Stop: 32673, Start Num: 75
Candidate Starts for JacoRen57_40:
(49, 35138), (Start: 57 @35114 has 26 MA's), (Start: 67 @35084 has 1 MA's), (Start: 75 @35060 has 1 MA's), (Start: 96 @35009 has 1 MA's), (100, 35003), (143, 34895), (150, 34880), (165, 34850), (182, 34823), (213, 34793), (Start: 250 @34739 has 5 MA's), (260, 34727), (268, 34718), (358, 34562), (437, 34406), (491, 34277), (497, 34259), (534, 34154), (537, 34136), (541, 34121), (569, 34061), (655,

33944), (668, 33932), (679, 33920), (736, 33842), (768, 33773), (810, 33638), (848, 33503), (853, 33476), (855, 33470), (864, 33431), (874, 33404), (876, 33398), (880, 33392), (883, 33386), (905, 33329), (912, 33305), (993, 33083), (1046, 32912), (1058, 32879), (1072, 32834), (1081, 32810), (1122, 32684),

Gene: Jaek_55 Start: 36879, Stop: 34711, Start Num: 218
Candidate Starts for Jaek_55:
(Start: 215 @36882 has 328 MA's), (Start: 218 @36879 has 14 MA's), (Start: 256 @36825 has 51 MA's), (309, 36741), (389, 36588), (394, 36579), (420, 36534), (447, 36456), (451, 36447), (460, 36432), (466, 36417), (468, 36414), (491, 36357), (523, 36264), (538, 36222), (625, 36027), (630, 36015), (634, 36009), (647, 35985), (659, 35964), (671, 35943), (679, 35928), (681, 35922), (713, 35859), (735, 35808), (763, 35721), (785, 35661), (798, 35613), (828, 35511), (830, 35505), (838, 35478), (839, 35475), (846, 35454), (856, 35412), (858, 35406), (863, 35382), (876, 35340), (877, 35337), (888, 35310), (901, 35277), (903, 35265), (916, 35229), (925, 35205), (927, 35199), (929, 35193), (947, 35139), (970, 35091), (971, 35088), (996, 35028), (1003, 35004), (1009, 34974), (1036, 34920), (1057, 34851), (1060, 34839), (1076, 34800),

Gene: JaguarMi_55 Start: 55103, Stop: 53277, Start Num: 208
Candidate Starts for JaguarMi_55:
(Start: 190 @55121 has 4 MA's), (Start: 208 @55103 has 32 MA's), (Start: 258 @55076 has 2 MA's), (280, 55049), (Start: 288 @55034 has 1 MA's), (300, 55013), (353, 54926), (360, 54908), (415, 54821), (425, 54794), (430, 54779), (464, 54713), (477, 54683), (481, 54674), (487, 54671), (489, 54668), (496, 54641), (567, 54548), (582, 54530), (590, 54512), (594, 54500), (605, 54473), (641, 54410), (666, 54371), (670, 54362), (671, 54359), (684, 54329), (706, 54293), (796, 54068), (797, 54065), (806, 54029), (813, 54005), (820, 53972), (854, 53864), (856, 53858), (859, 53849), (904, 53750), (905, 53747), (910, 53732), (939, 53654), (944, 53642), (950, 53621), (953, 53612), (970, 53582), (985, 53552), (1000, 53525), (1007, 53492), (1018, 53474), (1021, 53468), (1039, 53429), (1042, 53411), (1044, 53399), (1054, 53375), (1070, 53333), (1073, 53327), (1084, 53303),

Gene: JakeO_61 Start: 54286, Stop: 52427, Start Num: 215
Candidate Starts for JakeO_61:
(Start: 198 @54310 has 1 MA's), (Start: 215 @54286 has 328 MA's), (Start: 245 @54262 has 14 MA's), (Start: 258 @54256 has 2 MA's), (Start: 288 @54214 has 1 MA's), (300, 54193), (360, 54079), (363, 54073), (382, 54043), (418, 53983), (425, 53962), (442, 53908), (454, 53896), (464, 53878), (469, 53866), (511, 53761), (567, 53704), (590, 53668), (594, 53656), (603, 53632), (609, 53620), (620, 53602), (630, 53584), (641, 53566), (666, 53527), (670, 53518), (671, 53515), (673, 53512), (813, 53155), (820, 53122), (827, 53101), (856, 53008), (859, 52999), (881, 52936), (904, 52900), (905, 52897), (910, 52882), (939, 52804), (944, 52792), (950, 52771), (970, 52732), (1007, 52642), (1018, 52624), (1021, 52618), (1029, 52603), (1039, 52579), (1041, 52564), (1042, 52561), (1044, 52549), (1054, 52525), (1060, 52504), (1073, 52477), (1084, 52453), (1089, 52438),

Gene: Jamzy_48 Start: 33115, Stop: 30731, Start Num: 57
Candidate Starts for Jamzy_48:
(Start: 57 @33115 has 26 MA's), (103, 33001), (115, 32971), (152, 32887), (165, 32863), (Start: 219 @32809 has 1 MA's), (294, 32704), (303, 32689), (333, 32641), (367, 32566), (371, 32560), (373, 32554), (376, 32548), (417, 32479), (426, 32455), (434, 32431), (461, 32374), (469, 32356), (476, 32335), (530, 32188), (569, 32074), (596, 32017), (603, 31996), (611, 31990), (716, 31897), (722, 31885), (754, 31813), (778, 31759), (816, 31618), (823, 31594), (841, 31543), (862, 31450), (874, 31414), (876, 31408), (880, 31402), (883, 31396), (905, 31339), (912, 31315), (970, 31156), (979, 31135), (991, 31096), (1004, 31057), (1006, 31036), (1013, 31015), (1020, 31003), (1032, 30985), (1046, 30922), (1049, 30916), (1058, 30889), (1064, 30865), (1072, 30844), (1108, 30757),

Gene: Janeemi_43 Start: 31325, Stop: 33190, Start Num: 254

Candidate Starts for Janeemi_43:
(Start: 254 @31325 has 935 MA's), (Start: 288 @31373 has 1 MA's), (386, 31529), (436, 31622), (443, 31643), (479, 31712), (596, 31928), (641, 32018), (647, 32027), (657, 32042), (666, 32054), (708, 32132), (732, 32180), (759, 32237), (788, 32318), (819, 32438), (847, 32525), (862, 32591), (903, 32684), (929, 32756), (971, 32864), (996, 32906), (1007, 32951), (1057, 33074), (1060, 33086), (1064, 33095), (1099, 33173),

Gene: JangoPhett_60 Start: 54351, Stop: 52492, Start Num: 215
Candidate Starts for JangoPhett_60:
(Start: 198 @54375 has 1 MA's), (Start: 215 @54351 has 328 MA's), (Start: 245 @54327 has 14 MA's), (Start: 258 @54321 has 2 MA's), (Start: 288 @54279 has 1 MA's), (300, 54258), (360, 54144), (363, 54138), (382, 54108), (418, 54048), (425, 54027), (442, 53973), (454, 53961), (464, 53943), (469, 53931), (511, 53826), (567, 53769), (590, 53733), (594, 53721), (603, 53697), (609, 53685), (620, 53667), (630, 53649), (641, 53631), (666, 53592), (670, 53583), (671, 53580), (673, 53577), (813, 53220), (820, 53187), (827, 53166), (856, 53073), (859, 53064), (881, 53001), (904, 52965), (905, 52962), (910, 52947), (939, 52869), (944, 52857), (950, 52836), (970, 52797), (1007, 52707), (1018, 52689), (1021, 52683), (1029, 52668), (1039, 52644), (1041, 52629), (1042, 52626), (1044, 52614), (1054, 52590), (1073, 52542), (1084, 52518),

Gene: Jankie_38 Start: 28206, Stop: 30071, Start Num: 254
Candidate Starts for Jankie_38:
(Start: 254 @28206 has 935 MA's), (426, 28473), (436, 28503), (593, 28800), (641, 28899), (657, 28923), (708, 29013), (732, 29061), (819, 29319), (860, 29463), (862, 29472), (927, 29631), (932, 29646), (971, 29745), (1007, 29832), (1018, 29850), (1060, 29967),

Gene: Janus167_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for Janus167_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: Jasmine_38 Start: 33398, Stop: 31653, Start Num: 285
Candidate Starts for Jasmine_38:
(267, 33425), (Start: 285 @33398 has 6 MA's), (287, 33395), (Start: 304 @33362 has 2 MA's), (308, 33356), (361, 33263), (383, 33230), (401, 33203), (465, 33068), (558, 32939), (561, 32933), (578, 32909), (585, 32894), (594, 32867), (605, 32837), (650, 32756), (684, 32687), (698, 32666), (761, 32552), (768, 32534), (855, 32231), (875, 32156), (885, 32138), (921, 32072), (1012, 31838), (1035, 31796), (1060, 31712), (1074, 31679),

Gene: JasmineDragon_45 Start: 30557, Stop: 32419, Start Num: 254
Candidate Starts for JasmineDragon_45:
(175, 30458), (186, 30476), (Start: 254 @30557 has 935 MA's), (Start: 288 @30605 has 1 MA's), (388, 30764), (391, 30770), (443, 30875), (470, 30920), (587, 31127), (647, 31256), (708, 31361), (732, 31409), (769, 31493), (819, 31667), (846, 31751), (853, 31784), (856, 31793), (872, 31844), (903, 31913), (943, 32024), (971, 32093), (974, 32099), (1021, 32204), (1060, 32315),

Gene: JasonD_41 Start: 29572, Stop: 27620, Start Num: 277
Candidate Starts for JasonD_41:

(Start: 275 @29575 has 3 MA's), (Start: 277 @29572 has 1 MA's), (Start: 339 @29488 has 121 MA's), (Start: 342 @29479 has 5 MA's), (419, 29332), (472, 29212), (476, 29200), (478, 29194), (582, 28921), (588, 28912), (591, 28900), (601, 28870), (612, 28855), (634, 28849), (637, 28843), (680, 28768), (788, 28522), (855, 28306), (858, 28297), (859, 28294), (862, 28276), (876, 28234), (912, 28144), (925, 28099), (970, 27985), (985, 27946), (1004, 27886), (1007, 27862), (1009, 27856), (1025, 27823), (1039, 27790), (1040, 27778),

Gene: Jasper_46 Start: 34284, Stop: 32455, Start Num: 254
Candidate Starts for Jasper_46:
(Start: 254 @34284 has 935 MA's), (391, 34071), (400, 34056), (426, 34008), (436, 33978), (443, 33957), (449, 33951), (455, 33942), (504, 33825), (514, 33798), (591, 33705), (596, 33690), (603, 33669), (609, 33657), (639, 33606), (641, 33603), (680, 33537), (701, 33507), (711, 33477), (734, 33432), (755, 33393), (819, 33213), (834, 33165), (850, 33117), (859, 33078), (862, 33060), (875, 33021), (899, 33000), (904, 32979), (909, 32964), (953, 32841), (1035, 32670), (1040, 32646), (1057, 32598), (1060, 32586), (1071, 32565), (1075, 32559), (1094, 32511), (1101, 32496),

Gene: JasperRussell_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for JasperRussell_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: Jaykayelowell_43 Start: 31563, Stop: 29737, Start Num: 254
Candidate Starts for Jaykayelowell_43:
(Start: 254 @31563 has 935 MA's), (271, 31542), (289, 31512), (305, 31482), (413, 31320), (421, 31302), (449, 31230), (455, 31221), (505, 31101), (514, 31077), (591, 30984), (611, 30936), (626, 30915), (647, 30876), (719, 30744), (732, 30723), (755, 30678), (759, 30666), (815, 30513), (819, 30492), (855, 30369), (862, 30339), (875, 30300), (904, 30234), (905, 30231), (910, 30216), (920, 30192), (929, 30168), (1007, 29961), (1060, 29826), (1065, 29814), (1071, 29805),

Gene: Jeeves_50 Start: 31954, Stop: 30161, Start Num: 254
Candidate Starts for Jeeves_50:
(Start: 254 @31954 has 935 MA's), (261, 31945), (334, 31843), (386, 31750), (426, 31675), (427, 31672), (449, 31618), (505, 31489), (514, 31465), (591, 31372), (606, 31327), (666, 31234), (680, 31204), (755, 31057), (785, 31006), (798, 30958), (819, 30877), (843, 30811), (855, 30754), (862, 30724), (899, 30664), (904, 30643), (946, 30526), (956, 30499), (1000, 30418), (1003, 30409), (1037, 30328), (1041, 30307), (1043, 30298), (1060, 30250), (1065, 30238), (1071, 30229), (1073, 30226),

Gene: Jeffabunny_45 Start: 29478, Stop: 27607, Start Num: 229
Candidate Starts for Jeffabunny_45:
(Start: 229 @29478 has 1 MA's), (Start: 254 @29448 has 935 MA's), (386, 29244), (426, 29169), (427, 29166), (436, 29139), (441, 29124), (449, 29112), (474, 29061), (510, 28971), (514, 28959), (591, 28866), (605, 28827), (618, 28809), (626, 28794), (666, 28728), (681, 28695), (683, 28692), (735, 28590), (767, 28530), (798, 28446), (819, 28365), (846, 28281), (847, 28278), (850, 28269), (855, 28242), (862, 28212), (899, 28152), (910, 28113), (1003, 27897), (1004, 27894), (1007, 27873), (1060, 27738), (1065, 27726), (1071, 27717), (1073, 27714), (1111, 27621),

Gene: JellyBelly_49 Start: 45345, Stop: 43528, Start Num: 251
Candidate Starts for JellyBelly_49:

(108, 45618), (117, 45585), (Start: 251 @45345 has 15 MA's), (280, 45309), (287, 45297), (Start: 288 @45294 has 1 MA's), (305, 45264), (378, 45138), (409, 45090), (437, 45015), (469, 44958), (503, 44883), (511, 44862), (590, 44769), (658, 44640), (671, 44616), (706, 44550), (719, 44517), (796, 44325), (800, 44304), (806, 44286), (820, 44229), (856, 44115), (859, 44106), (905, 44004), (910, 43989), (939, 43911), (944, 43899), (950, 43878), (953, 43869), (983, 43815), (1000, 43782), (1007, 43749), (1008, 43746), (1029, 43710), (1039, 43686), (1054, 43626), (1084, 43554),

Gene: Jemerald_40 Start: 29369, Stop: 27471, Start Num: 337
Candidate Starts for Jemerald_40:
(Start: 337 @29369 has 44 MA's), (408, 29231), (418, 29216), (420, 29210), (438, 29159), (469, 29102), (476, 29081), (478, 29075), (495, 29027), (496, 29024), (531, 28925), (544, 28877), (582, 28802), (588, 28793), (591, 28781), (601, 28751), (634, 28730), (641, 28715), (680, 28649), (749, 28502), (775, 28442), (780, 28427), (789, 28400), (853, 28160), (862, 28124), (876, 28082), (895, 28052), (912, 27995), (962, 27851), (970, 27836), (985, 27797), (991, 27776), (1007, 27713), (1022, 27680), (1040, 27629), (1042, 27623), (1058, 27569),

Gene: JenCasNa_49 Start: 31852, Stop: 30038, Start Num: 254
Candidate Starts for JenCasNa_49:
(Start: 254 @31852 has 935 MA's), (284, 31813), (289, 31801), (386, 31648), (395, 31633), (426, 31576), (449, 31519), (455, 31510), (474, 31468), (494, 31417), (514, 31366), (591, 31273), (609, 31225), (618, 31216), (626, 31201), (647, 31162), (666, 31135), (680, 31105), (727, 31012), (758, 30952), (767, 30937), (819, 30781), (847, 30694), (862, 30628), (875, 30589), (905, 30517), (920, 30478), (929, 30454), (935, 30436), (946, 30403), (956, 30376), (985, 30322), (1007, 30262), (1041, 30184), (1060, 30127), (1065, 30115), (1071, 30106),

Gene: Jenos_42 Start: 30134, Stop: 28266, Start Num: 339
Candidate Starts for Jenos_42:
(324, 30149), (Start: 339 @30134 has 121 MA's), (Start: 342 @30125 has 5 MA's), (418, 29981), (419, 29978), (469, 29867), (472, 29858), (476, 29846), (478, 29840), (518, 29735), (544, 29642), (582, 29567), (588, 29558), (591, 29546), (600, 29519), (601, 29516), (612, 29501), (634, 29495), (637, 29489), (725, 29327), (855, 28952), (858, 28943), (859, 28940), (862, 28922), (876, 28880), (912, 28790), (918, 28763), (970, 28631), (985, 28592), (1004, 28532), (1007, 28508), (1025, 28469), (1039, 28436), (1040, 28424),

Gene: JeppNRM_49 Start: 31754, Stop: 29940, Start Num: 254
Candidate Starts for JeppNRM_49:
(Start: 254 @31754 has 935 MA's), (284, 31715), (289, 31703), (386, 31550), (395, 31535), (426, 31478), (449, 31421), (455, 31412), (474, 31370), (494, 31319), (514, 31268), (591, 31175), (609, 31127), (626, 31103), (647, 31064), (666, 31037), (680, 31007), (726, 30917), (727, 30914), (734, 30902), (758, 30854), (767, 30839), (819, 30683), (836, 30632), (846, 30599), (847, 30596), (862, 30530), (875, 30491), (905, 30419), (920, 30380), (929, 30356), (935, 30338), (946, 30305), (985, 30224), (1007, 30164), (1018, 30146), (1041, 30086), (1043, 30077), (1060, 30029), (1065, 30017), (1071, 30008),

Gene: Jerbirus_39 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for Jerbirus_39:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: JeriBeth_38 Start: 28482, Stop: 26617, Start Num: 339
Candidate Starts for JeriBeth_38:
(Start: 275 @28569 has 3 MA's), (Start: 277 @28566 has 1 MA's), (Start: 339 @28482 has 121 MA's), (Start: 342 @28473 has 5 MA's), (392, 28368), (398, 28359), (418, 28329), (419, 28326), (472, 28206), (476, 28194), (478, 28188), (518, 28083), (525, 28056), (582, 27915), (587, 27909), (588, 27906), (591, 27894), (600, 27867), (601, 27864), (612, 27849), (634, 27843), (637, 27837), (657, 27804), (725, 27675), (749, 27615), (855, 27300), (858, 27291), (859, 27288), (862, 27270), (876, 27228), (880, 27222), (884, 27213), (895, 27198), (912, 27141), (970, 26982), (982, 26952), (985, 26943), (1004, 26883), (1007, 26859), (1025, 26820), (1039, 26787), (1040, 26775), (1058, 26715),

Gene: Jerm_46 Start: 31734, Stop: 29947, Start Num: 254
Candidate Starts for Jerm_46:
(Start: 178 @31821 has 1 MA's), (Start: 254 @31734 has 935 MA's), (388, 31527), (391, 31521), (402, 31506), (413, 31491), (427, 31455), (436, 31428), (449, 31401), (463, 31380), (514, 31248), (591, 31155), (609, 31107), (618, 31098), (626, 31083), (666, 31017), (708, 30936), (732, 30888), (734, 30882), (767, 30819), (819, 30663), (836, 30612), (846, 30579), (847, 30576), (862, 30510), (875, 30471), (899, 30450), (925, 30375), (929, 30363), (946, 30312), (975, 30249), (985, 30231), (1003, 30195), (1007, 30171), (1041, 30093), (1060, 30036), (1065, 30024), (1071, 30015),

Gene: Jerm2_45 Start: 34938, Stop: 33109, Start Num: 254
Candidate Starts for Jerm2_45:
(Start: 254 @34938 has 935 MA's), (391, 34725), (400, 34710), (426, 34662), (436, 34632), (443, 34611), (449, 34605), (455, 34596), (504, 34479), (514, 34452), (591, 34359), (596, 34344), (639, 34260), (641, 34257), (680, 34191), (701, 34161), (711, 34131), (734, 34086), (755, 34047), (819, 33867), (834, 33819), (850, 33771), (859, 33732), (862, 33714), (875, 33675), (899, 33654), (904, 33633), (953, 33495), (1035, 33324), (1040, 33300), (1052, 33267), (1057, 33252), (1060, 33240), (1071, 33219), (1075, 33213), (1094, 33165), (1101, 33150),

Gene: Jesabah_62 Start: 55148, Stop: 53289, Start Num: 215
Candidate Starts for Jesabah_62:
(Start: 198 @55172 has 1 MA's), (Start: 215 @55148 has 328 MA's), (Start: 245 @55124 has 14 MA's), (Start: 258 @55118 has 2 MA's), (Start: 288 @55076 has 1 MA's), (300, 55055), (360, 54941), (363, 54935), (382, 54905), (418, 54845), (425, 54824), (442, 54770), (454, 54758), (464, 54740), (469, 54728), (511, 54623), (567, 54566), (590, 54530), (594, 54518), (605, 54491), (620, 54464), (630, 54446), (641, 54428), (666, 54389), (670, 54380), (671, 54377), (783, 54119), (813, 54017), (820, 53984), (827, 53963), (856, 53870), (859, 53861), (881, 53798), (904, 53762), (905, 53759), (910, 53744), (939, 53666), (944, 53654), (950, 53633), (970, 53594), (1007, 53504), (1018, 53486), (1021, 53480), (1029, 53465), (1039, 53441), (1041, 53426), (1042, 53423), (1044, 53411), (1054, 53387), (1073, 53339), (1084, 53315),

Gene: Jester_36 Start: 28049, Stop: 26265, Start Num: 254
Candidate Starts for Jester_36:
(Start: 254 @28049 has 935 MA's), (407, 27815), (422, 27785), (425, 27776), (426, 27773), (441, 27728), (449, 27716), (474, 27665), (514, 27563), (548, 27542), (591, 27470), (609, 27422), (647, 27359), (666, 27332), (719, 27227), (734, 27200), (755, 27161), (819, 26981), (834, 26933), (862, 26828), (863, 26825), (899, 26768), (904, 26747), (948, 26624), (983, 26555), (1003, 26513), (1007, 26489), (1041, 26411), (1060, 26354), (1065, 26342), (1091, 26285),

Gene: JetBlade_45 Start: 31564, Stop: 29738, Start Num: 254
Candidate Starts for JetBlade_45:
(Start: 254 @31564 has 935 MA's), (271, 31543), (289, 31513), (305, 31483), (413, 31321), (421, 31303), (449, 31231), (455, 31222), (505, 31102), (514, 31078), (591, 30985), (611, 30937), (626,

30916), (647, 30877), (719, 30745), (732, 30724), (755, 30679), (759, 30667), (815, 30514), (819, 30493), (855, 30370), (862, 30340), (875, 30301), (904, 30235), (905, 30232), (910, 30217), (920, 30193), (929, 30169), (1007, 29962), (1018, 29944), (1060, 29827), (1065, 29815), (1071, 29806),

Gene: JewelBug_47 Start: 29796, Stop: 27955, Start Num: 254
Candidate Starts for JewelBug_47:
(Start: 254 @29796 has 935 MA's), (386, 29592), (426, 29517), (427, 29514), (436, 29487), (441, 29472), (449, 29460), (474, 29409), (510, 29319), (514, 29307), (591, 29214), (605, 29175), (618, 29157), (626, 29142), (666, 29076), (681, 29043), (683, 29040), (735, 28938), (767, 28878), (798, 28794), (819, 28713), (846, 28629), (847, 28626), (850, 28617), (855, 28590), (862, 28560), (899, 28500), (910, 28461), (1003, 28245), (1004, 28242), (1007, 28221), (1060, 28086), (1065, 28074), (1071, 28065), (1073, 28062), (1111, 27969),

Gene: Jiawan_43 Start: 31526, Stop: 29733, Start Num: 254
Candidate Starts for Jiawan_43:
(Start: 254 @31526 has 935 MA's), (261, 31517), (289, 31475), (369, 31355), (371, 31352), (396, 31304), (427, 31244), (437, 31214), (441, 31202), (449, 31190), (514, 31037), (591, 30944), (666, 30806), (680, 30776), (759, 30617), (767, 30605), (785, 30578), (815, 30470), (819, 30449), (859, 30314), (862, 30296), (904, 30215), (920, 30173), (946, 30098), (983, 30023), (1003, 29981), (1041, 29879), (1060, 29822), (1065, 29810), (1071, 29801),

Gene: Jillium_60 Start: 54555, Stop: 52696, Start Num: 215
Candidate Starts for Jillium_60:
(Start: 198 @54579 has 1 MA's), (Start: 215 @54555 has 328 MA's), (Start: 245 @54531 has 14 MA's), (Start: 258 @54525 has 2 MA's), (Start: 288 @54483 has 1 MA's), (300, 54462), (360, 54348), (363, 54342), (382, 54312), (418, 54252), (425, 54231), (442, 54177), (454, 54165), (464, 54147), (469, 54135), (511, 54030), (567, 53973), (590, 53937), (594, 53925), (603, 53901), (609, 53889), (620, 53871), (630, 53853), (641, 53835), (666, 53796), (670, 53787), (671, 53784), (673, 53781), (813, 53424), (820, 53391), (827, 53370), (856, 53277), (859, 53268), (881, 53205), (904, 53169), (905, 53166), (910, 53151), (939, 53073), (944, 53061), (950, 53040), (970, 53001), (1007, 52911), (1018, 52893), (1021, 52887), (1029, 52872), (1039, 52848), (1041, 52833), (1042, 52830), (1044, 52818), (1054, 52794), (1073, 52746), (1084, 52722),

Gene: Jiminy_61 Start: 54122, Stop: 52263, Start Num: 215
Candidate Starts for Jiminy_61:
(Start: 198 @54146 has 1 MA's), (Start: 215 @54122 has 328 MA's), (Start: 245 @54098 has 14 MA's), (Start: 258 @54092 has 2 MA's), (Start: 288 @54050 has 1 MA's), (300, 54029), (360, 53915), (363, 53909), (382, 53879), (418, 53819), (425, 53798), (442, 53744), (454, 53732), (464, 53714), (469, 53702), (511, 53597), (567, 53540), (590, 53504), (594, 53492), (603, 53468), (609, 53456), (620, 53438), (630, 53420), (641, 53402), (666, 53363), (670, 53354), (671, 53351), (673, 53348), (783, 53093), (813, 52991), (820, 52958), (827, 52937), (856, 52844), (859, 52835), (881, 52772), (904, 52736), (905, 52733), (910, 52718), (939, 52640), (944, 52628), (950, 52607), (970, 52568), (1007, 52478), (1018, 52460), (1021, 52454), (1029, 52439), (1039, 52415), (1041, 52400), (1042, 52397), (1044, 52385), (1054, 52361), (1060, 52340), (1073, 52313), (1084, 52289), (1089, 52274),

Gene: Jingles_37 Start: 28487, Stop: 26637, Start Num: 335
Candidate Starts for Jingles_37:
(Start: 335 @28487 has 20 MA's), (398, 28364), (419, 28331), (469, 28220), (476, 28199), (478, 28193), (483, 28184), (496, 28142), (554, 27986), (582, 27932), (587, 27926), (588, 27923), (591, 27911), (601, 27881), (654, 27824), (731, 27677), (789, 27530), (855, 27320), (859, 27308), (862, 27290), (876, 27248), (884, 27233), (912, 27161), (982, 26972), (985, 26963), (1004, 26903), (1007, 26879), (1015, 26858), (1022, 26846), (1058, 26735),

Gene: Jiraiya_61 Start: 54320, Stop: 52461, Start Num: 215
Candidate Starts for Jiraiya_61:
(Start: 198 @54344 has 1 MA's), (Start: 215 @54320 has 328 MA's), (Start: 245 @54296 has 14 MA's), (Start: 258 @54290 has 2 MA's), (Start: 288 @54248 has 1 MA's), (300, 54227), (360, 54113), (363, 54107), (382, 54077), (418, 54017), (425, 53996), (442, 53942), (454, 53930), (464, 53912), (469, 53900), (511, 53795), (567, 53738), (590, 53702), (594, 53690), (605, 53663), (630, 53618), (666, 53561), (670, 53552), (671, 53549), (813, 53189), (820, 53156), (827, 53135), (856, 53042), (859, 53033), (881, 52970), (904, 52934), (905, 52931), (910, 52916), (939, 52838), (944, 52826), (950, 52805), (970, 52766), (1007, 52676), (1018, 52658), (1021, 52652), (1029, 52637), (1039, 52613), (1041, 52598), (1042, 52595), (1044, 52583), (1054, 52559), (1073, 52511), (1084, 52487), (1089, 52472),

Gene: Jobu08_47 Start: 31685, Stop: 29871, Start Num: 254
Candidate Starts for Jobu08_47:
(Start: 254 @31685 has 935 MA's), (284, 31646), (289, 31634), (386, 31481), (395, 31466), (426, 31409), (449, 31352), (455, 31343), (474, 31301), (494, 31250), (514, 31199), (591, 31106), (609, 31058), (618, 31049), (626, 31034), (647, 30995), (666, 30968), (680, 30938), (727, 30845), (734, 30833), (758, 30785), (767, 30770), (819, 30614), (847, 30527), (862, 30461), (875, 30422), (905, 30350), (920, 30311), (929, 30287), (935, 30269), (946, 30236), (956, 30209), (985, 30155), (1007, 30095), (1041, 30017), (1060, 29960), (1065, 29948), (1071, 29939),

Gene: Joemato_41 Start: 29704, Stop: 31569, Start Num: 254
Candidate Starts for Joemato_41:
(Start: 149 @29560 has 1 MA's), (Start: 161 @29587 has 1 MA's), (164, 29590), (179, 29617), (Start: 254 @29704 has 935 MA's), (Start: 288 @29752 has 1 MA's), (436, 30001), (463, 30049), (479, 30091), (593, 30298), (596, 30307), (641, 30397), (647, 30406), (657, 30421), (681, 30466), (708, 30511), (732, 30559), (759, 30616), (788, 30697), (812, 30784), (819, 30817), (830, 30847), (847, 30904), (862, 30970), (903, 31063), (929, 31135), (971, 31243), (1003, 31306), (1007, 31330), (1053, 31441), (1060, 31465), (1064, 31474),

Gene: JohnDoe_41 Start: 29700, Stop: 31565, Start Num: 254
Candidate Starts for JohnDoe_41:
(Start: 254 @29700 has 935 MA's), (Start: 288 @29748 has 1 MA's), (436, 29997), (463, 30045), (479, 30087), (593, 30294), (596, 30303), (641, 30393), (647, 30402), (657, 30417), (681, 30462), (708, 30507), (732, 30555), (759, 30612), (788, 30693), (812, 30780), (819, 30813), (830, 30843), (847, 30900), (862, 30966), (872, 30990), (903, 31059), (929, 31131), (971, 31239), (1003, 31302), (1007, 31326), (1053, 31437), (1059, 31458), (1060, 31461), (1064, 31470), (1081, 31506),

Gene: JohnThicc_48 Start: 30580, Stop: 32442, Start Num: 254
Candidate Starts for JohnThicc_48:
(Start: 254 @30580 has 935 MA's), (Start: 288 @30628 has 1 MA's), (391, 30793), (436, 30877), (470, 30943), (599, 31189), (647, 31279), (727, 31426), (732, 31432), (769, 31516), (819, 31690), (846, 31774), (853, 31807), (903, 31936), (905, 31945), (943, 32047), (1021, 32227), (1041, 32281), (1060, 32338),

Gene: Johnathan_41 Start: 28861, Stop: 30735, Start Num: 241
Candidate Starts for Johnathan_41:
(Start: 238 @28858 has 7 MA's), (Start: 241 @28861 has 65 MA's), (Start: 299 @28930 has 1 MA's), (315, 28951), (455, 29197), (474, 29239), (602, 29452), (647, 29533), (766, 29767), (804, 29890), (819, 29950), (822, 29956), (836, 30001), (843, 30016), (845, 30031), (853, 30067), (862, 30103), (903, 30196), (936, 30289), (967, 30367), (1003, 30439), (1012, 30478), (1037, 30520), (1040, 30538), (1053, 30574), (1060, 30598), (1071, 30619),

Gene: Jolie1_052 Start: 52581, Stop: 50743, Start Num: 210
Candidate Starts for Jolie1_052:
(68, 52887), (85, 52845), (91, 52830), (Start: 210 @52581 has 3 MA's), (280, 52524), (Start: 288 @52509 has 1 MA's), (334, 52443), (Start: 336 @52440 has 4 MA's), (418, 52287), (419, 52284), (426, 52263), (442, 52212), (444, 52206), (463, 52188), (481, 52146), (487, 52143), (496, 52113), (567, 52020), (590, 51984), (594, 51972), (620, 51918), (657, 51858), (670, 51834), (671, 51831), (706, 51765), (797, 51531), (800, 51513), (806, 51495), (820, 51438), (854, 51330), (856, 51324), (859, 51315), (879, 51252), (904, 51216), (905, 51213), (910, 51198), (939, 51120), (944, 51108), (950, 51087), (951, 51081), (970, 51048), (985, 51018), (996, 51003), (1003, 50982), (1007, 50958), (1021, 50934), (1039, 50895), (1040, 50883), (1041, 50880), (1042, 50877), (1044, 50865), (1054, 50841), (1084, 50769), (1091, 50748),

Gene: JoongJeon_44 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for JoongJeon_44:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Jordennis_45 Start: 29635, Stop: 27794, Start Num: 254
Candidate Starts for Jordennis_45:
(Start: 254 @29635 has 935 MA's), (386, 29431), (426, 29356), (427, 29353), (436, 29326), (441, 29311), (449, 29299), (474, 29248), (510, 29158), (514, 29146), (591, 29053), (605, 29014), (618, 28996), (626, 28981), (666, 28915), (681, 28882), (683, 28879), (735, 28777), (767, 28717), (798, 28633), (819, 28552), (846, 28468), (847, 28465), (850, 28456), (855, 28429), (859, 28417), (862, 28399), (899, 28339), (910, 28300), (1003, 28084), (1004, 28081), (1007, 28060), (1060, 27925), (1065, 27913), (1071, 27904), (1073, 27901), (1111, 27808),

Gene: Jorgensen_45 Start: 34588, Stop: 32762, Start Num: 254
Candidate Starts for Jorgensen_45:
(Start: 254 @34588 has 935 MA's), (391, 34375), (400, 34360), (426, 34312), (436, 34282), (443, 34261), (449, 34255), (455, 34246), (504, 34129), (514, 34102), (591, 34009), (596, 33994), (639, 33910), (641, 33907), (680, 33841), (701, 33811), (711, 33781), (734, 33736), (755, 33697), (819, 33517), (830, 33487), (834, 33469), (847, 33430), (862, 33364), (904, 33283), (905, 33280), (935, 33199), (1003, 33049), (1004, 33046), (1012, 33010), (1029, 32986), (1034, 32977), (1038, 32965), (1060, 32890), (1071, 32869),

Gene: Joselito_45 Start: 30776, Stop: 28989, Start Num: 254
Candidate Starts for Joselito_45:
(Start: 254 @30776 has 935 MA's), (386, 30572), (426, 30500), (436, 30470), (449, 30443), (593, 30191), (618, 30140), (666, 30059), (688, 30014), (759, 29873), (786, 29831), (798, 29786), (819, 29705), (836, 29654), (847, 29618), (862, 29552), (899, 29492), (902, 29480), (938, 29378), (946, 29354), (951, 29336), (985, 29273), (1000, 29246), (1003, 29237), (1007, 29213), (1060, 29078), (1065, 29066), (1071, 29057),

Gene: JoshKayV_46 Start: 31792, Stop: 30005, Start Num: 254
Candidate Starts for JoshKayV_46:
(Start: 254 @31792 has 935 MA's), (388, 31585), (391, 31579), (402, 31564), (413, 31549), (427, 31513), (436, 31486), (449, 31459), (463, 31438), (514, 31306), (591, 31213), (609, 31165), (618, 31156), (626, 31141), (666, 31075), (708, 30994), (732, 30946), (734, 30940), (767, 30877), (819, 30721), (846, 30637), (847, 30634), (862, 30568), (875, 30529), (899, 30508), (925, 30433), (929, 30421), (956, 30343), (975, 30307), (985, 30289), (1003, 30253), (1007, 30229), (1041, 30151), (1060,

30094), (1065, 30082), (1071, 30073),

Gene: Journey13_40 Start: 30167, Stop: 28380, Start Num: 254
Candidate Starts for Journey13_40:
(Start: 254 @30167 has 935 MA's), (386, 29963), (388, 29960), (391, 29954), (413, 29924), (422, 29903), (425, 29894), (426, 29891), (436, 29861), (449, 29834), (463, 29813), (512, 29687), (514, 29681), (591, 29588), (594, 29579), (609, 29540), (626, 29516), (666, 29450), (719, 29342), (732, 29321), (819, 29096), (836, 29045), (850, 29000), (855, 28973), (862, 28943), (875, 28904), (899, 28883), (925, 28808), (931, 28790), (946, 28745), (956, 28718), (975, 28682), (985, 28664), (1003, 28628), (1007, 28604), (1060, 28469), (1065, 28457), (1071, 28448),

Gene: Jovita_43 Start: 29600, Stop: 31474, Start Num: 241
Candidate Starts for Jovita_43:
(Start: 238 @29597 has 7 MA's), (Start: 241 @29600 has 65 MA's), (Start: 299 @29669 has 1 MA's), (315, 29690), (426, 29870), (474, 29978), (647, 30272), (719, 30407), (766, 30506), (804, 30629), (819, 30689), (822, 30695), (836, 30740), (843, 30755), (845, 30770), (853, 30806), (862, 30842), (903, 30935), (936, 31028), (967, 31106), (969, 31109), (1003, 31178), (1004, 31181), (1012, 31217), (1037, 31259), (1040, 31277), (1060, 31337), (1071, 31358),

Gene: Jovo_38 Start: 30627, Stop: 28783, Start Num: 254
Candidate Starts for Jovo_38:
(Start: 254 @30627 has 935 MA's), (289, 30576), (334, 30516), (371, 30453), (386, 30423), (388, 30420), (422, 30363), (426, 30351), (436, 30321), (449, 30294), (494, 30192), (501, 30177), (514, 30141), (571, 30081), (591, 30045), (609, 29997), (659, 29913), (666, 29907), (706, 29835), (719, 29802), (727, 29787), (734, 29775), (783, 29676), (819, 29541), (830, 29511), (834, 29493), (836, 29490), (847, 29454), (850, 29445), (853, 29424), (856, 29415), (862, 29388), (863, 29385), (899, 29328), (904, 29307), (946, 29190), (971, 29136), (975, 29127), (985, 29109), (1018, 29031), (1040, 28974), (1053, 28938), (1060, 28914), (1065, 28902),

Gene: JoyceMaria_53 Start: 53933, Stop: 52110, Start Num: 208
Candidate Starts for JoyceMaria_53:
(Start: 190 @53951 has 4 MA's), (Start: 208 @53933 has 32 MA's), (Start: 258 @53909 has 2 MA's), (280, 53882), (Start: 288 @53867 has 1 MA's), (300, 53846), (353, 53759), (415, 53654), (425, 53627), (430, 53612), (464, 53546), (477, 53516), (481, 53507), (487, 53504), (489, 53501), (496, 53474), (567, 53381), (582, 53363), (590, 53345), (594, 53333), (605, 53306), (641, 53243), (666, 53204), (670, 53195), (671, 53192), (684, 53162), (706, 53126), (796, 52901), (797, 52898), (806, 52862), (813, 52838), (820, 52805), (854, 52697), (856, 52691), (859, 52682), (904, 52583), (905, 52580), (910, 52565), (939, 52487), (944, 52475), (950, 52454), (953, 52445), (970, 52415), (1000, 52358), (1007, 52325), (1021, 52301), (1039, 52262), (1042, 52244), (1044, 52232), (1054, 52208), (1070, 52166), (1073, 52160), (1084, 52136),

Gene: Jsquared_43 Start: 30314, Stop: 28527, Start Num: 253
Candidate Starts for Jsquared_43:
(156, 30455), (Start: 253 @30314 has 33 MA's), (386, 30110), (388, 30107), (391, 30101), (402, 30086), (413, 30071), (425, 30041), (426, 30038), (436, 30008), (449, 29981), (463, 29960), (474, 29930), (514, 29828), (591, 29735), (609, 29687), (618, 29678), (626, 29663), (666, 29597), (708, 29516), (732, 29468), (755, 29423), (819, 29243), (834, 29195), (836, 29192), (847, 29156), (862, 29090), (875, 29051), (899, 29030), (925, 28955), (931, 28937), (946, 28892), (956, 28865), (975, 28829), (985, 28811), (1003, 28775), (1007, 28751), (1060, 28616), (1065, 28604), (1071, 28595), (1073, 28592),

Gene: Jstan_41 Start: 30355, Stop: 32220, Start Num: 254
Candidate Starts for Jstan_41:

(Start: 254 @30355 has 935 MA's), (Start: 288 @30403 has 1 MA's), (411, 30586), (415, 30592), (436, 30652), (443, 30673), (479, 30742), (596, 30958), (641, 31048), (647, 31057), (657, 31072), (681, 31117), (732, 31210), (788, 31348), (819, 31468), (830, 31498), (847, 31555), (860, 31612), (862, 31621), (872, 31645), (903, 31714), (929, 31786), (932, 31795), (971, 31894), (1003, 31957), (1060, 32116), (1064, 32125),

Gene: Juanyo_37 Start: 28491, Stop: 26590, Start Num: 337
Candidate Starts for Juanyo_37:
(Start: 337 @28491 has 44 MA's), (381, 28392), (398, 28368), (408, 28353), (418, 28338), (420, 28332), (430, 28305), (438, 28281), (465, 28230), (476, 28203), (478, 28197), (496, 28146), (511, 28107), (531, 28047), (554, 27978), (582, 27921), (588, 27912), (591, 27900), (601, 27870), (654, 27813), (731, 27666), (791, 27510), (862, 27243), (876, 27201), (895, 27171), (902, 27150), (912, 27114), (982, 26925), (985, 26916), (1004, 26856), (1007, 26832), (1011, 26820), (1022, 26799), (1025, 26793), (1058, 26688),

Gene: Juicer_40 Start: 29369, Stop: 27471, Start Num: 337
Candidate Starts for Juicer_40:
(Start: 337 @29369 has 44 MA's), (408, 29231), (418, 29216), (420, 29210), (438, 29159), (469, 29102), (476, 29081), (478, 29075), (495, 29027), (496, 29024), (531, 28925), (544, 28877), (582, 28802), (588, 28793), (591, 28781), (601, 28751), (634, 28730), (641, 28715), (680, 28649), (749, 28502), (775, 28442), (780, 28427), (789, 28400), (853, 28160), (862, 28124), (876, 28082), (895, 28052), (912, 27995), (962, 27851), (970, 27836), (985, 27797), (991, 27776), (1007, 27713), (1022, 27680), (1040, 27629), (1042, 27623), (1058, 27569),

Gene: JuliaChild_45 Start: 34674, Stop: 32845, Start Num: 254
Candidate Starts for JuliaChild_45:
(Start: 254 @34674 has 935 MA's), (391, 34461), (400, 34446), (426, 34398), (436, 34368), (443, 34347), (449, 34341), (455, 34332), (504, 34215), (514, 34188), (591, 34095), (596, 34080), (603, 34059), (639, 33996), (641, 33993), (680, 33927), (701, 33897), (711, 33867), (734, 33822), (755, 33783), (819, 33603), (834, 33555), (850, 33507), (859, 33468), (862, 33450), (875, 33411), (899, 33390), (904, 33369), (909, 33354), (953, 33231), (1035, 33060), (1040, 33036), (1057, 32988), (1060, 32976), (1071, 32955), (1075, 32949), (1094, 32901), (1101, 32886),

Gene: JuneStar_42 Start: 31105, Stop: 33111, Start Num: 149
Candidate Starts for JuneStar_42:
(133, 31072), (Start: 149 @31105 has 1 MA's), (Start: 161 @31132 has 1 MA's), (164, 31135), (179, 31162), (Start: 254 @31246 has 935 MA's), (Start: 288 @31294 has 1 MA's), (436, 31543), (479, 31633), (491, 31663), (593, 31840), (596, 31849), (647, 31948), (657, 31963), (666, 31975), (732, 32101), (788, 32239), (819, 32359), (847, 32446), (862, 32512), (903, 32605), (1007, 32872), (1035, 32923), (1060, 33007),

Gene: JustBecause_62 Start: 44100, Stop: 42133, Start Num: 322
Candidate Starts for JustBecause_62:
(Start: 322 @44100 has 13 MA's), (371, 44022), (379, 44004), (381, 44001), (424, 43932), (456, 43830), (476, 43782), (503, 43704), (519, 43656), (548, 43551), (559, 43512), (566, 43500), (573, 43473), (590, 43437), (622, 43365), (645, 43320), (705, 43209), (734, 43137), (784, 42999), (792, 42972), (800, 42939), (810, 42909), (826, 42849), (840, 42804), (856, 42738), (863, 42708), (867, 42687), (869, 42681), (939, 42519), (945, 42501), (946, 42498), (1003, 42378), (1021, 42330), (1028, 42318), (1033, 42309), (1038, 42297), (1041, 42279), (1043, 42270), (1048, 42255), (1058, 42231),

Gene: KADY_48 Start: 31884, Stop: 30070, Start Num: 254
Candidate Starts for KADY_48:

(Start: 254 @31884 has 935 MA's), (284, 31845), (289, 31833), (386, 31680), (395, 31665), (426, 31608), (449, 31551), (455, 31542), (474, 31500), (494, 31449), (514, 31398), (568, 31344), (591, 31305), (609, 31257), (626, 31233), (647, 31194), (666, 31167), (680, 31137), (727, 31044), (734, 31032), (758, 30984), (767, 30969), (819, 30813), (836, 30762), (846, 30729), (847, 30726), (862, 30660), (875, 30621), (905, 30549), (920, 30510), (929, 30486), (935, 30468), (946, 30435), (985, 30354), (1007, 30294), (1043, 30207), (1060, 30159), (1065, 30147), (1071, 30138), (1073, 30135),

Gene: KBG_46 Start: 35895, Stop: 34069, Start Num: 254
Candidate Starts for KBG_46:
(Start: 254 @35895 has 935 MA's), (391, 35682), (400, 35667), (426, 35619), (436, 35589), (439, 35577), (443, 35568), (449, 35562), (455, 35553), (504, 35436), (514, 35409), (591, 35316), (596, 35301), (609, 35268), (639, 35217), (641, 35214), (680, 35148), (701, 35118), (711, 35088), (734, 35043), (755, 35004), (819, 34824), (830, 34794), (834, 34776), (836, 34773), (847, 34737), (862, 34671), (904, 34590), (905, 34587), (935, 34506), (1003, 34356), (1004, 34353), (1012, 34317), (1029, 34293), (1034, 34284), (1038, 34272), (1043, 34245), (1060, 34197), (1071, 34176),

Gene: KFPoly_44 Start: 31564, Stop: 29738, Start Num: 254
Candidate Starts for KFPoly_44:
(Start: 254 @31564 has 935 MA's), (271, 31543), (289, 31513), (305, 31483), (413, 31321), (421, 31303), (449, 31231), (455, 31222), (505, 31102), (514, 31078), (591, 30985), (611, 30937), (626, 30916), (647, 30877), (719, 30745), (732, 30724), (755, 30679), (759, 30667), (815, 30514), (819, 30493), (855, 30370), (862, 30340), (875, 30301), (904, 30235), (905, 30232), (910, 30217), (920, 30193), (929, 30169), (1007, 29962), (1060, 29827), (1065, 29815), (1071, 29806),

Gene: KLucky39_59 Start: 53611, Stop: 51752, Start Num: 215
Candidate Starts for KLucky39_59:
(Start: 198 @53635 has 1 MA's), (Start: 215 @53611 has 328 MA's), (Start: 245 @53587 has 14 MA's), (Start: 258 @53581 has 2 MA's), (Start: 288 @53539 has 1 MA's), (300, 53518), (360, 53404), (363, 53398), (382, 53368), (418, 53308), (425, 53287), (442, 53233), (454, 53221), (464, 53203), (469, 53191), (511, 53086), (567, 53029), (590, 52993), (594, 52981), (605, 52954), (620, 52927), (630, 52909), (641, 52891), (666, 52852), (670, 52843), (671, 52840), (783, 52582), (813, 52480), (820, 52447), (827, 52426), (856, 52333), (859, 52324), (881, 52261), (904, 52225), (905, 52222), (910, 52207), (939, 52129), (944, 52117), (950, 52096), (970, 52057), (1007, 51967), (1018, 51949), (1021, 51943), (1029, 51928), (1039, 51904), (1041, 51889), (1042, 51886), (1044, 51874), (1054, 51850), (1073, 51802), (1084, 51778),

Gene: KSSJEB_43 Start: 34167, Stop: 32338, Start Num: 254
Candidate Starts for KSSJEB_43:
(Start: 254 @34167 has 935 MA's), (391, 33954), (400, 33939), (426, 33891), (436, 33861), (443, 33840), (449, 33834), (455, 33825), (504, 33708), (514, 33681), (591, 33588), (596, 33573), (609, 33540), (639, 33489), (641, 33486), (680, 33420), (711, 33360), (734, 33315), (755, 33276), (819, 33096), (834, 33048), (850, 33000), (859, 32961), (862, 32943), (875, 32904), (899, 32883), (904, 32862), (909, 32847), (953, 32724), (1035, 32553), (1040, 32529), (1057, 32481), (1060, 32469), (1071, 32448), (1075, 32442), (1094, 32394), (1101, 32379),

Gene: KSunshine22_93 Start: 75419, Stop: 77137, Start Num: 315
Candidate Starts for KSunshine22_93:
(Start: 265 @75344 has 10 MA's), (Start: 288 @75377 has 1 MA's), (Start: 299 @75398 has 1 MA's), (Start: 304 @75407 has 2 MA's), (315, 75419), (454, 75656), (467, 75683), (470, 75689), (513, 75782), (562, 75824), (632, 75941), (647, 75968), (651, 75974), (657, 75983), (686, 76037), (703, 76061), (755, 76169), (763, 76190), (778, 76217), (795, 76265), (803, 76298), (815, 76337), (819, 76358), (822, 76364), (853, 76481), (875, 76568), (903, 76631), (906, 76643), (920, 76679), (932, 76712), (950, 76766), (958, 76784), (996, 76868), (1003, 76889), (1008, 76916), (1035, 76964), (1037, 76970),

(1040, 76988), (1043, 77000), (1045, 77012), (1048, 77015), (1060, 77048), (1075, 77075), (1085, 77099),

Gene: Kachowdy_45 Start: 31435, Stop: 29597, Start Num: 254
Candidate Starts for Kachowdy_45:
(202, 31507), (Start: 254 @31435 has 935 MA's), (289, 31384), (386, 31231), (422, 31171), (426, 31159), (449, 31102), (455, 31093), (463, 31081), (505, 30973), (514, 30949), (591, 30853), (611, 30805), (647, 30745), (683, 30682), (719, 30613), (732, 30592), (767, 30523), (770, 30517), (787, 30478), (819, 30355), (847, 30268), (855, 30232), (862, 30202), (873, 30172), (905, 30091), (920, 30052), (929, 30028), (935, 30010), (985, 29881), (1007, 29821), (1060, 29686), (1065, 29674), (1071, 29665),

Gene: Kahve_60 Start: 54557, Stop: 52698, Start Num: 215
Candidate Starts for Kahve_60:
(Start: 198 @54581 has 1 MA's), (Start: 215 @54557 has 328 MA's), (Start: 245 @54533 has 14 MA's), (Start: 258 @54527 has 2 MA's), (Start: 288 @54485 has 1 MA's), (300, 54464), (360, 54350), (363, 54344), (382, 54314), (418, 54254), (425, 54233), (442, 54179), (454, 54167), (464, 54149), (469, 54137), (511, 54032), (567, 53975), (590, 53939), (594, 53927), (605, 53900), (620, 53873), (630, 53855), (641, 53837), (666, 53798), (670, 53789), (671, 53786), (783, 53528), (813, 53426), (820, 53393), (827, 53372), (856, 53279), (859, 53270), (881, 53207), (904, 53171), (905, 53168), (910, 53153), (939, 53075), (944, 53063), (950, 53042), (970, 53003), (1007, 52913), (1018, 52895), (1021, 52889), (1029, 52874), (1039, 52850), (1041, 52835), (1042, 52832), (1044, 52820), (1054, 52796), (1060, 52775), (1073, 52748), (1084, 52724),

Gene: Kailash_61 Start: 54637, Stop: 52778, Start Num: 215
Candidate Starts for Kailash_61:
(Start: 198 @54661 has 1 MA's), (Start: 215 @54637 has 328 MA's), (Start: 245 @54613 has 14 MA's), (Start: 258 @54607 has 2 MA's), (Start: 288 @54565 has 1 MA's), (300, 54544), (360, 54430), (363, 54424), (382, 54394), (418, 54334), (425, 54313), (442, 54259), (454, 54247), (464, 54229), (469, 54217), (511, 54112), (567, 54055), (590, 54019), (594, 54007), (603, 53983), (609, 53971), (620, 53953), (630, 53935), (641, 53917), (666, 53878), (670, 53869), (671, 53866), (673, 53863), (813, 53506), (820, 53473), (827, 53452), (856, 53359), (859, 53350), (881, 53287), (904, 53251), (905, 53248), (910, 53233), (939, 53155), (944, 53143), (950, 53122), (970, 53083), (1007, 52993), (1018, 52975), (1021, 52969), (1029, 52954), (1039, 52930), (1041, 52915), (1042, 52912), (1044, 52900), (1054, 52876), (1073, 52828), (1084, 52804),

Gene: Kalb97_49 Start: 31752, Stop: 29938, Start Num: 254
Candidate Starts for Kalb97_49:
(Start: 254 @31752 has 935 MA's), (284, 31713), (289, 31701), (386, 31548), (395, 31533), (426, 31476), (449, 31419), (455, 31410), (474, 31368), (494, 31317), (514, 31266), (591, 31173), (609, 31125), (626, 31101), (647, 31062), (666, 31035), (680, 31005), (727, 30912), (734, 30900), (758, 30852), (767, 30837), (819, 30681), (836, 30630), (846, 30597), (847, 30594), (862, 30528), (875, 30489), (905, 30417), (920, 30378), (929, 30354), (935, 30336), (946, 30303), (985, 30222), (1007, 30162), (1018, 30144), (1041, 30084), (1043, 30075), (1060, 30027), (1065, 30015), (1071, 30006),

Gene: Kale_38 Start: 28634, Stop: 26769, Start Num: 339
Candidate Starts for Kale_38:
(Start: 275 @28721 has 3 MA's), (Start: 339 @28634 has 121 MA's), (Start: 342 @28625 has 5 MA's), (392, 28520), (398, 28511), (418, 28481), (419, 28478), (472, 28358), (476, 28346), (478, 28340), (518, 28235), (525, 28208), (582, 28067), (587, 28061), (588, 28058), (591, 28046), (600, 28019), (601, 28016), (612, 28001), (634, 27995), (637, 27989), (657, 27956), (749, 27767), (855, 27452), (858, 27443), (859, 27440), (862, 27422), (876, 27380), (880, 27374), (895, 27350), (912, 27293), (970, 27134), (982, 27104), (985, 27095), (1004, 27035), (1007, 27011), (1025, 26972), (1039, 26939),

(1040, 26927), (1058, 26867),

Gene: Kaleb_57 Start: 52637, Stop: 50808, Start Num: 215
Candidate Starts for Kaleb_57:
(Start: 215 @52637 has 328 MA's), (Start: 258 @52610 has 2 MA's), (Start: 282 @52580 has 7 MA's), (Start: 288 @52568 has 1 MA's), (Start: 304 @52541 has 2 MA's), (305, 52538), (314, 52529), (338, 52511), (388, 52415), (418, 52364), (426, 52340), (496, 52178), (506, 52154), (511, 52142), (567, 52085), (590, 52049), (594, 52037), (603, 52013), (652, 51929), (670, 51899), (671, 51896), (684, 51866), (753, 51722), (778, 51656), (796, 51605), (800, 51584), (806, 51566), (820, 51509), (850, 51425), (856, 51395), (859, 51386), (879, 51320), (902, 51293), (904, 51284), (907, 51275), (910, 51266), (920, 51242), (939, 51188), (944, 51176), (950, 51155), (985, 51086), (1007, 51026), (1018, 51008), (1035, 50975), (1039, 50963), (1041, 50948), (1042, 50945), (1044, 50933), (1054, 50909), (1055, 50906), (1073, 50858), (1075, 50855), (1084, 50834), (1091, 50813),

Gene: Kalimba_38 Start: 27589, Stop: 29571, Start Num: 253
Candidate Starts for Kalimba_38:
(Start: 253 @27589 has 33 MA's), (371, 27763), (415, 27826), (427, 27859), (463, 27934), (568, 28162), (647, 28336), (732, 28492), (788, 28630), (812, 28717), (819, 28750), (830, 28780), (847, 28837), (862, 28903), (903, 28996), (1007, 29263), (1021, 29287), (1060, 29398), (1107, 29506),

Gene: Kalnoky_49 Start: 31750, Stop: 29936, Start Num: 254
Candidate Starts for Kalnoky_49:
(Start: 254 @31750 has 935 MA's), (284, 31711), (289, 31699), (386, 31546), (395, 31531), (426, 31474), (449, 31417), (455, 31408), (474, 31366), (494, 31315), (514, 31264), (591, 31171), (609, 31123), (626, 31099), (647, 31060), (666, 31033), (680, 31003), (727, 30910), (734, 30898), (758, 30850), (767, 30835), (819, 30679), (836, 30628), (846, 30595), (847, 30592), (862, 30526), (875, 30487), (905, 30415), (920, 30376), (929, 30352), (935, 30334), (946, 30301), (985, 30220), (1007, 30160), (1018, 30142), (1041, 30082), (1043, 30073), (1060, 30025), (1065, 30013), (1071, 30004),

Gene: Kalpine_44 Start: 31973, Stop: 30186, Start Num: 254
Candidate Starts for Kalpine_44:
(Start: 254 @31973 has 935 MA's), (388, 31766), (391, 31760), (413, 31730), (425, 31700), (427, 31694), (436, 31667), (449, 31640), (463, 31619), (474, 31589), (514, 31487), (591, 31394), (609, 31346), (618, 31337), (626, 31322), (666, 31256), (708, 31175), (732, 31127), (801, 30971), (819, 30902), (836, 30851), (846, 30818), (847, 30815), (862, 30749), (875, 30710), (899, 30689), (925, 30614), (929, 30602), (931, 30596), (975, 30488), (1003, 30434), (1007, 30410), (1037, 30353), (1041, 30332), (1060, 30275), (1065, 30263),

Gene: Kamdara_40 Start: 29926, Stop: 31797, Start Num: 241
Candidate Starts for Kamdara_40:
(Start: 241 @29926 has 65 MA's), (373, 30109), (395, 30148), (415, 30166), (439, 30238), (455, 30262), (463, 30274), (464, 30277), (501, 30358), (621, 30550), (647, 30598), (702, 30688), (766, 30829), (804, 30952), (819, 31012), (843, 31078), (845, 31093), (853, 31129), (856, 31138), (862, 31165), (903, 31258), (936, 31351), (967, 31429), (1003, 31501), (1012, 31540), (1037, 31582), (1053, 31636), (1060, 31660), (1071, 31681), (1081, 31705),

Gene: Kamiyu_58 Start: 53644, Stop: 51827, Start Num: 256
Candidate Starts for Kamiyu_58:
(137, 53827), (Start: 256 @53644 has 51 MA's), (280, 53614), (391, 53434), (463, 53281), (467, 53269), (481, 53239), (489, 53233), (511, 53170), (513, 53164), (567, 53113), (590, 53077), (609, 53029), (671, 52924), (718, 52828), (747, 52777), (796, 52633), (806, 52594), (814, 52564), (820, 52537), (824, 52525), (854, 52429), (856, 52423), (859, 52414), (861, 52402), (893, 52330), (904, 52300), (910, 52282), (915, 52273), (939, 52204), (944, 52192), (950, 52171), (985, 52102), (996,

52087), (1004, 52063), (1007, 52042), (1021, 52018), (1039, 51979), (1042, 51961), (1044, 51949), (1050, 51937), (1054, 51925), (1070, 51883), (1084, 51853),

Gene: Kampy_45 Start: 31572, Stop: 29746, Start Num: 254
Candidate Starts for Kampy_45:
(Start: 254 @31572 has 935 MA's), (271, 31551), (289, 31521), (305, 31491), (413, 31329), (421, 31311), (449, 31239), (455, 31230), (505, 31110), (514, 31086), (591, 30993), (611, 30945), (626, 30924), (647, 30885), (719, 30753), (732, 30732), (755, 30687), (759, 30675), (815, 30522), (819, 30501), (855, 30378), (862, 30348), (875, 30309), (904, 30243), (905, 30240), (910, 30225), (920, 30201), (929, 30177), (1007, 29970), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: Kanely_45 Start: 34951, Stop: 33125, Start Num: 254
Candidate Starts for Kanely_45:
(Start: 254 @34951 has 935 MA's), (391, 34738), (426, 34675), (436, 34645), (443, 34624), (449, 34618), (455, 34609), (504, 34492), (514, 34465), (591, 34372), (596, 34357), (639, 34273), (641, 34270), (680, 34204), (701, 34174), (711, 34144), (734, 34099), (755, 34060), (819, 33880), (834, 33832), (847, 33793), (862, 33727), (875, 33688), (899, 33667), (904, 33646), (910, 33628), (935, 33562), (1003, 33412), (1004, 33409), (1012, 33373), (1029, 33349), (1034, 33340), (1038, 33328), (1060, 33253), (1071, 33232),

Gene: KannH_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for KannH_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: KarasumaRum_58 Start: 54598, Stop: 52751, Start Num: 199
Candidate Starts for KarasumaRum_58:
(22, 55093), (23, 55087), (31, 55036), (35, 55018), (46, 54961), (97, 54817), (155, 54664), (199, 54598), (257, 54550), (280, 54523), (313, 54472), (338, 54451), (360, 54397), (390, 54352), (419, 54301), (464, 54202), (487, 54160), (498, 54124), (511, 54094), (590, 54001), (594, 53989), (603, 53965), (609, 53953), (620, 53935), (658, 53872), (671, 53848), (725, 53743), (774, 53620), (797, 53554), (800, 53536), (814, 53488), (820, 53461), (854, 53353), (856, 53347), (859, 53338), (863, 53317), (893, 53254), (905, 53221), (910, 53206), (933, 53146), (939, 53128), (944, 53116), (950, 53095), (953, 53086), (955, 53083), (962, 53071), (1007, 52966), (1018, 52948), (1021, 52942), (1039, 52903), (1041, 52888), (1042, 52885), (1050, 52861), (1054, 52849), (1055, 52846), (1075, 52798), (1084, 52777),

Gene: Karn_61 Start: 54282, Stop: 52423, Start Num: 215
Candidate Starts for Karn_61:
(Start: 198 @54306 has 1 MA's), (Start: 215 @54282 has 328 MA's), (Start: 245 @54258 has 14 MA's), (Start: 258 @54252 has 2 MA's), (Start: 288 @54210 has 1 MA's), (300, 54189), (360, 54075), (363, 54069), (382, 54039), (418, 53979), (425, 53958), (442, 53904), (454, 53892), (464, 53874), (469, 53862), (511, 53757), (567, 53700), (590, 53664), (594, 53652), (603, 53628), (609, 53616), (620, 53598), (630, 53580), (641, 53562), (666, 53523), (670, 53514), (671, 53511), (673, 53508), (813, 53151), (820, 53118), (827, 53097), (856, 53004), (859, 52995), (881, 52932), (904, 52896), (905, 52893), (910, 52878), (939, 52800), (944, 52788), (950, 52767), (970, 52728), (1007, 52638), (1018, 52620), (1021, 52614), (1029, 52599), (1039, 52575), (1041, 52560), (1042, 52557), (1044, 52545), (1054, 52521), (1060, 52500), (1073, 52473), (1084, 52449), (1089, 52434),

Gene: KatChan_40 Start: 28364, Stop: 26472, Start Num: 337
Candidate Starts for KatChan_40:
(272, 28454), (Start: 337 @28364 has 44 MA's), (Start: 342 @28355 has 5 MA's), (366, 28298), (381, 28268), (408, 28229), (418, 28214), (420, 28208), (427, 28190), (438, 28157), (476, 28079), (478, 28073), (496, 28022), (511, 27983), (544, 27872), (588, 27788), (591, 27776), (601, 27746), (612, 27731), (634, 27725), (637, 27719), (639, 27713), (642, 27707), (791, 27392), (845, 27197), (862, 27125), (876, 27083), (895, 27053), (902, 27032), (912, 26996), (934, 26924), (982, 26807), (985, 26798), (1004, 26738), (1007, 26714), (1011, 26702), (1032, 26666), (1058, 26570),

Gene: Katalie136_44 Start: 31522, Stop: 29693, Start Num: 254
Candidate Starts for Katalie136_44:
(Start: 254 @31522 has 935 MA's), (289, 31471), (305, 31441), (413, 31279), (421, 31261), (426, 31246), (449, 31189), (455, 31180), (505, 31060), (514, 31036), (562, 30994), (591, 30943), (611, 30895), (626, 30874), (647, 30835), (675, 30790), (678, 30784), (719, 30703), (732, 30682), (755, 30637), (815, 30472), (819, 30451), (862, 30298), (875, 30259), (905, 30187), (910, 30172), (920, 30148), (927, 30130), (929, 30124), (931, 30118), (1007, 29917), (1060, 29782), (1065, 29770), (1071, 29761),

Gene: Kate33_43 Start: 29550, Stop: 31424, Start Num: 241
Candidate Starts for Kate33_43:
(Start: 238 @29547 has 7 MA's), (Start: 241 @29550 has 65 MA's), (Start: 299 @29619 has 1 MA's), (315, 29640), (455, 29886), (501, 29982), (591, 30108), (647, 30222), (766, 30456), (803, 30576), (804, 30579), (819, 30639), (822, 30645), (836, 30690), (843, 30705), (845, 30720), (853, 30756), (862, 30792), (903, 30885), (967, 31056), (969, 31059), (1003, 31128), (1012, 31167), (1037, 31209), (1040, 31227), (1053, 31263), (1060, 31287), (1071, 31308),

Gene: KatherineG_48 Start: 30182, Stop: 28392, Start Num: 254
Candidate Starts for KatherineG_48:
(Start: 254 @30182 has 935 MA's), (371, 30008), (426, 29903), (427, 29900), (436, 29873), (449, 29846), (474, 29795), (514, 29693), (591, 29600), (606, 29555), (609, 29552), (618, 29543), (708, 29381), (719, 29354), (732, 29333), (734, 29327), (788, 29228), (798, 29189), (813, 29138), (819, 29108), (836, 29057), (846, 29024), (853, 28991), (855, 28985), (862, 28955), (899, 28895), (904, 28874), (920, 28832), (930, 28805), (935, 28790), (971, 28703), (1003, 28640), (1004, 28637), (1060, 28481), (1065, 28469), (1073, 28457),

Gene: Katniss_61 Start: 53995, Stop: 52136, Start Num: 215
Candidate Starts for Katniss_61:
(Start: 198 @54019 has 1 MA's), (Start: 215 @53995 has 328 MA's), (Start: 245 @53971 has 14 MA's), (Start: 258 @53965 has 2 MA's), (Start: 288 @53923 has 1 MA's), (300, 53902), (360, 53788), (363, 53782), (382, 53752), (418, 53692), (425, 53671), (442, 53617), (454, 53605), (464, 53587), (469, 53575), (511, 53470), (567, 53413), (590, 53377), (594, 53365), (605, 53338), (620, 53311), (630, 53293), (641, 53275), (666, 53236), (670, 53227), (671, 53224), (673, 53221), (783, 52966), (813, 52864), (820, 52831), (827, 52810), (856, 52717), (859, 52708), (881, 52645), (904, 52609), (905, 52606), (910, 52591), (939, 52513), (944, 52501), (950, 52480), (970, 52441), (1007, 52351), (1018, 52333), (1021, 52327), (1029, 52312), (1039, 52288), (1041, 52273), (1042, 52270), (1044, 52258), (1054, 52234), (1073, 52186), (1084, 52162),

Gene: Katzastrophic_41 Start: 29917, Stop: 31788, Start Num: 241
Candidate Starts for Katzastrophic_41:
(Start: 241 @29917 has 65 MA's), (Start: 299 @29986 has 1 MA's), (369, 30091), (373, 30100), (455, 30253), (501, 30349), (504, 30358), (647, 30589), (657, 30604), (708, 30697), (755, 30787), (819, 31003), (836, 31054), (843, 31069), (853, 31120), (862, 31156), (903, 31249), (929, 31321), (967,

31420), (1003, 31492), (1007, 31516), (1037, 31573), (1053, 31627), (1060, 31651), (1071, 31672),

Gene: Kauala_37 Start: 28473, Stop: 26623, Start Num: 335
Candidate Starts for Kauala_37:
(Start: 335 @28473 has 20 MA's), (379, 28377), (398, 28350), (419, 28317), (469, 28206), (476, 28185), (478, 28179), (483, 28170), (494, 28134), (496, 28128), (554, 27972), (582, 27918), (588, 27909), (591, 27897), (601, 27867), (654, 27810), (731, 27663), (789, 27516), (855, 27306), (859, 27294), (862, 27276), (876, 27234), (884, 27219), (912, 27147), (982, 26958), (985, 26949), (1004, 26889), (1007, 26865), (1015, 26844), (1022, 26832), (1058, 26721),

Gene: Kavo_36 Start: 27151, Stop: 25253, Start Num: 335
Candidate Starts for Kavo_36:
(18, 27889), (19, 27883), (73, 27628), (301, 27202), (Start: 335 @27151 has 20 MA's), (362, 27088), (392, 27037), (418, 26998), (438, 26941), (469, 26884), (472, 26875), (476, 26863), (478, 26857), (496, 26806), (511, 26767), (533, 26704), (544, 26659), (582, 26584), (588, 26575), (591, 26563), (601, 26533), (634, 26512), (639, 26500), (654, 26476), (733, 26326), (817, 26065), (850, 25963), (853, 25942), (862, 25906), (874, 25870), (876, 25864), (912, 25777), (918, 25750), (970, 25618), (985, 25579), (991, 25558), (1004, 25519), (1007, 25495), (1009, 25489), (1022, 25462), (1058, 25351),

Gene: KayGee_46 Start: 34208, Stop: 31833, Start Num: 58
Candidate Starts for KayGee_46:
(Start: 58 @34208 has 15 MA's), (80, 34148), (99, 34106), (115, 34067), (165, 33947), (176, 33926), (213, 33902), (270, 33824), (Start: 275 @33818 has 3 MA's), (Start: 277 @33815 has 1 MA's), (297, 33785), (307, 33767), (318, 33749), (341, 33710), (Start: 342 @33707 has 5 MA's), (367, 33650), (379, 33626), (392, 33611), (426, 33548), (434, 33524), (437, 33515), (438, 33509), (441, 33503), (459, 33470), (469, 33449), (476, 33428), (537, 33245), (569, 33170), (591, 33128), (706, 33017), (716, 32993), (730, 32963), (754, 32912), (755, 32909), (761, 32894), (773, 32873), (823, 32699), (825, 32690), (836, 32660), (862, 32555), (874, 32519), (876, 32513), (880, 32507), (883, 32501), (905, 32444), (912, 32420), (945, 32315), (946, 32312), (986, 32219), (991, 32201), (1004, 32162), (1013, 32120), (1027, 32096), (1039, 32066), (1050, 32018), (1058, 31994), (1072, 31949), (1108, 31862),

Gene: KayaCho_51 Start: 52386, Stop: 50545, Start Num: 210
Candidate Starts for KayaCho_51:
(135, 52506), (Start: 210 @52386 has 3 MA's), (280, 52329), (Start: 288 @52314 has 1 MA's), (388, 52140), (413, 52098), (418, 52089), (419, 52086), (426, 52065), (442, 52014), (444, 52008), (463, 51990), (477, 51957), (481, 51948), (487, 51945), (489, 51942), (496, 51915), (567, 51822), (590, 51786), (594, 51774), (670, 51636), (671, 51633), (715, 51543), (775, 51402), (792, 51348), (797, 51333), (800, 51315), (806, 51297), (813, 51273), (820, 51240), (854, 51132), (856, 51126), (859, 51117), (879, 51054), (894, 51039), (902, 51027), (904, 51018), (910, 51000), (917, 50985), (939, 50922), (944, 50910), (950, 50889), (951, 50883), (970, 50850), (985, 50820), (996, 50805), (1007, 50760), (1018, 50742), (1021, 50736), (1039, 50697), (1040, 50685), (1041, 50682), (1042, 50679), (1044, 50667), (1054, 50643), (1084, 50571),

Gene: Kaylissa_42 Start: 30090, Stop: 31955, Start Num: 254
Candidate Starts for Kaylissa_42:
(Start: 254 @30090 has 935 MA's), (Start: 288 @30138 has 1 MA's), (349, 30228), (352, 30234), (436, 30387), (463, 30435), (479, 30477), (593, 30684), (596, 30693), (641, 30783), (647, 30792), (657, 30807), (681, 30852), (708, 30897), (732, 30945), (759, 31002), (788, 31083), (812, 31170), (819, 31203), (830, 31233), (847, 31290), (862, 31356), (872, 31380), (903, 31449), (929, 31521), (971, 31629), (1003, 31692), (1007, 31716), (1053, 31827), (1060, 31851), (1064, 31860),

Gene: Kazan_46 Start: 29633, Stop: 27792, Start Num: 254

Candidate Starts for Kazan_46:
(Start: 254 @29633 has 935 MA's), (386, 29429), (426, 29354), (427, 29351), (436, 29324), (441, 29309), (449, 29297), (474, 29246), (510, 29156), (514, 29144), (591, 29051), (605, 29012), (618, 28994), (626, 28979), (666, 28913), (681, 28880), (683, 28877), (735, 28775), (767, 28715), (798, 28631), (819, 28550), (846, 28466), (847, 28463), (850, 28454), (855, 28427), (862, 28397), (899, 28337), (910, 28298), (1003, 28082), (1004, 28079), (1007, 28058), (1060, 27923), (1065, 27911), (1071, 27902), (1073, 27899), (1111, 27806),

Gene: KeAlii_40 Start: 29667, Stop: 31577, Start Num: 254
Candidate Starts for KeAlii_40:
(110, 29409), (181, 29580), (Start: 254 @29667 has 935 MA's), (Start: 288 @29715 has 1 MA's), (411, 29898), (436, 29964), (479, 30054), (556, 30213), (593, 30306), (596, 30315), (647, 30414), (657, 30429), (681, 30474), (708, 30519), (732, 30567), (788, 30705), (802, 30759), (819, 30825), (841, 30888), (860, 30969), (862, 30978), (903, 31071), (971, 31251), (1007, 31338), (1060, 31473), (1064, 31482), (1071, 31494),

Gene: Keitherie_62 Start: 54618, Stop: 52759, Start Num: 215
Candidate Starts for Keitherie_62:
(Start: 198 @54642 has 1 MA's), (Start: 215 @54618 has 328 MA's), (Start: 245 @54594 has 14 MA's), (Start: 258 @54588 has 2 MA's), (Start: 288 @54546 has 1 MA's), (300, 54525), (360, 54411), (363, 54405), (382, 54375), (418, 54315), (425, 54294), (442, 54240), (454, 54228), (464, 54210), (469, 54198), (511, 54093), (567, 54036), (590, 54000), (594, 53988), (603, 53964), (609, 53952), (620, 53934), (630, 53916), (641, 53898), (666, 53859), (670, 53850), (671, 53847), (673, 53844), (813, 53487), (820, 53454), (827, 53433), (856, 53340), (859, 53331), (881, 53268), (904, 53232), (905, 53229), (910, 53214), (939, 53136), (944, 53124), (950, 53103), (970, 53064), (1007, 52974), (1018, 52956), (1021, 52950), (1029, 52935), (1039, 52911), (1041, 52896), (1042, 52893), (1044, 52881), (1054, 52857), (1073, 52809), (1084, 52785),

Gene: KekoraPapaka_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for KekoraPapaka_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Kela_63 Start: 43965, Stop: 41998, Start Num: 322
Candidate Starts for Kela_63:
(Start: 322 @43965 has 13 MA's), (371, 43887), (379, 43869), (381, 43866), (424, 43797), (456, 43695), (476, 43647), (503, 43569), (519, 43521), (548, 43416), (559, 43377), (566, 43365), (573, 43338), (590, 43302), (622, 43230), (645, 43185), (705, 43074), (734, 43002), (743, 42975), (784, 42864), (792, 42837), (800, 42804), (810, 42774), (826, 42714), (840, 42669), (856, 42603), (863, 42573), (867, 42552), (869, 42546), (939, 42384), (945, 42366), (946, 42363), (1003, 42243), (1021, 42195), (1028, 42183), (1033, 42174), (1038, 42162), (1041, 42144), (1043, 42135), (1048, 42120), (1058, 42096),

Gene: KellyGreen_39 Start: 28613, Stop: 26748, Start Num: 339
Candidate Starts for KellyGreen_39:
(Start: 275 @28700 has 3 MA's), (Start: 339 @28613 has 121 MA's), (Start: 342 @28604 has 5 MA's), (392, 28499), (398, 28490), (418, 28460), (419, 28457), (472, 28337), (476, 28325), (478, 28319), (518, 28214), (525, 28187), (582, 28046), (587, 28040), (588, 28037), (591, 28025), (600, 27998), (601, 27995), (612, 27980), (634, 27974), (637, 27968), (657, 27935), (725, 27806), (749, 27746), (855, 27431), (858, 27422), (859, 27419), (862, 27401), (876, 27359), (880, 27353), (895, 27329),

(912, 27272), (970, 27113), (982, 27083), (985, 27074), (1004, 27014), (1007, 26990), (1025, 26951), (1039, 26918), (1040, 26906), (1058, 26846),

Gene: Kenmech_48 Start: 35912, Stop: 34083, Start Num: 254
Candidate Starts for Kenmech_48:
(Start: 254 @35912 has 935 MA's), (391, 35699), (426, 35636), (436, 35606), (443, 35585), (449, 35579), (455, 35570), (504, 35453), (514, 35426), (591, 35333), (596, 35318), (639, 35234), (641, 35231), (680, 35165), (701, 35135), (711, 35105), (734, 35060), (755, 35021), (819, 34841), (834, 34793), (850, 34745), (859, 34706), (862, 34688), (875, 34649), (899, 34628), (904, 34607), (909, 34592), (953, 34469), (1035, 34298), (1040, 34274), (1057, 34226), (1060, 34214), (1071, 34193), (1075, 34187), (1094, 34139), (1101, 34124),

Gene: Kenzers_43 Start: 29644, Stop: 31518, Start Num: 241
Candidate Starts for Kenzers_43:
(Start: 238 @29641 has 7 MA's), (Start: 241 @29644 has 65 MA's), (Start: 299 @29713 has 1 MA's), (315, 29734), (386, 29851), (426, 29914), (455, 29980), (474, 30022), (647, 30316), (766, 30550), (804, 30673), (819, 30733), (822, 30739), (836, 30784), (845, 30814), (853, 30850), (862, 30886), (903, 30979), (936, 31072), (967, 31150), (1003, 31222), (1012, 31261), (1037, 31303), (1040, 31321), (1060, 31381), (1071, 31402),

Gene: Kerberos_47 Start: 31153, Stop: 29330, Start Num: 254
Candidate Starts for Kerberos_47:
(Start: 254 @31153 has 935 MA's), (386, 30949), (400, 30925), (413, 30907), (421, 30889), (426, 30874), (427, 30871), (436, 30844), (449, 30817), (474, 30766), (514, 30664), (591, 30571), (609, 30523), (618, 30514), (625, 30502), (626, 30499), (666, 30433), (701, 30373), (755, 30259), (767, 30235), (786, 30196), (819, 30070), (836, 30019), (847, 29983), (862, 29917), (875, 29878), (905, 29809), (920, 29770), (936, 29725), (946, 29695), (975, 29632), (983, 29620), (985, 29614), (1007, 29554), (1060, 29419), (1065, 29407), (1071, 29398),

Gene: Keziacharles14_44 Start: 32157, Stop: 30364, Start Num: 253
Candidate Starts for Keziacharles14_44:
(180, 32262), (Start: 253 @32157 has 33 MA's), (261, 32148), (349, 32019), (369, 31986), (386, 31953), (413, 31911), (426, 31878), (427, 31875), (441, 31833), (449, 31821), (474, 31770), (514, 31668), (515, 31665), (591, 31575), (603, 31539), (680, 31407), (759, 31248), (785, 31209), (787, 31203), (819, 31080), (850, 30984), (853, 30963), (862, 30927), (904, 30846), (946, 30729), (953, 30708), (975, 30666), (1003, 30612), (1041, 30510), (1060, 30453), (1065, 30441), (1071, 30432),

Gene: Khan1_61 Start: 54513, Stop: 52654, Start Num: 215
Candidate Starts for Khan1_61:
(Start: 198 @54537 has 1 MA's), (Start: 215 @54513 has 328 MA's), (Start: 245 @54489 has 14 MA's), (Start: 258 @54483 has 2 MA's), (Start: 288 @54441 has 1 MA's), (300, 54420), (360, 54306), (363, 54300), (382, 54270), (418, 54210), (425, 54189), (442, 54135), (454, 54123), (464, 54105), (469, 54093), (511, 53988), (567, 53931), (590, 53895), (594, 53883), (603, 53859), (609, 53847), (620, 53829), (630, 53811), (641, 53793), (666, 53754), (670, 53745), (671, 53742), (673, 53739), (783, 53484), (813, 53382), (820, 53349), (827, 53328), (856, 53235), (859, 53226), (881, 53163), (904, 53127), (905, 53124), (910, 53109), (939, 53031), (944, 53019), (950, 52998), (970, 52959), (1007, 52869), (1018, 52851), (1021, 52845), (1029, 52830), (1039, 52806), (1041, 52791), (1042, 52788), (1044, 52776), (1054, 52752), (1060, 52731), (1073, 52704), (1084, 52680),

Gene: Kheth_57 Start: 52520, Stop: 50691, Start Num: 215
Candidate Starts for Kheth_57:
(Start: 215 @52520 has 328 MA's), (Start: 258 @52493 has 2 MA's), (Start: 282 @52463 has 7 MA's), (Start: 288 @52451 has 1 MA's), (Start: 304 @52424 has 2 MA's), (305, 52421), (314, 52412), (338,

52394), (388, 52298), (418, 52247), (426, 52223), (433, 52199), (496, 52061), (506, 52037), (511, 52025), (567, 51968), (590, 51932), (594, 51920), (603, 51896), (652, 51812), (670, 51782), (671, 51779), (684, 51749), (753, 51605), (778, 51539), (792, 51500), (796, 51488), (800, 51467), (806, 51449), (820, 51392), (850, 51308), (856, 51278), (859, 51269), (879, 51203), (902, 51176), (904, 51167), (910, 51149), (920, 51125), (939, 51071), (944, 51059), (950, 51038), (985, 50969), (1007, 50909), (1018, 50891), (1035, 50858), (1039, 50846), (1041, 50831), (1042, 50828), (1044, 50816), (1054, 50792), (1055, 50789), (1073, 50741), (1075, 50738), (1084, 50717), (1091, 50696),

Gene: Kieran_40 Start: 29929, Stop: 31800, Start Num: 241
Candidate Starts for Kieran_40:
(Start: 241 @29929 has 65 MA's), (373, 30112), (395, 30151), (415, 30169), (455, 30265), (463, 30277), (464, 30280), (501, 30361), (621, 30553), (647, 30601), (702, 30691), (766, 30832), (804, 30955), (819, 31015), (843, 31081), (845, 31096), (853, 31132), (856, 31141), (862, 31168), (903, 31261), (967, 31432), (1003, 31504), (1012, 31543), (1037, 31585), (1053, 31639), (1060, 31663), (1071, 31684), (1081, 31708),

Gene: KikiBouba_46 Start: 35358, Stop: 33532, Start Num: 254
Candidate Starts for KikiBouba_46:
(Start: 254 @35358 has 935 MA's), (391, 35145), (400, 35130), (436, 35052), (443, 35031), (449, 35025), (455, 35016), (504, 34899), (514, 34872), (591, 34779), (596, 34764), (639, 34680), (641, 34677), (680, 34611), (711, 34551), (734, 34506), (755, 34467), (819, 34287), (834, 34239), (847, 34200), (862, 34134), (875, 34095), (899, 34074), (904, 34053), (910, 34035), (935, 33969), (1000, 33828), (1003, 33819), (1004, 33816), (1012, 33780), (1029, 33756), (1034, 33747), (1038, 33735), (1060, 33660), (1071, 33639),

Gene: Kikipoo_62 Start: 54547, Stop: 52688, Start Num: 215
Candidate Starts for Kikipoo_62:
(Start: 198 @54571 has 1 MA's), (Start: 215 @54547 has 328 MA's), (Start: 245 @54523 has 14 MA's), (Start: 258 @54517 has 2 MA's), (Start: 288 @54475 has 1 MA's), (300, 54454), (360, 54340), (363, 54334), (382, 54304), (418, 54244), (425, 54223), (442, 54169), (454, 54157), (464, 54139), (469, 54127), (511, 54022), (567, 53965), (590, 53929), (594, 53917), (597, 53908), (605, 53890), (620, 53863), (630, 53845), (641, 53827), (666, 53788), (670, 53779), (671, 53776), (673, 53773), (783, 53518), (813, 53416), (820, 53383), (827, 53362), (856, 53269), (859, 53260), (881, 53197), (904, 53161), (905, 53158), (910, 53143), (939, 53065), (944, 53053), (950, 53032), (970, 52993), (1007, 52903), (1018, 52885), (1021, 52879), (1029, 52864), (1039, 52840), (1041, 52825), (1042, 52822), (1044, 52810), (1054, 52786), (1073, 52738), (1084, 52714),

Gene: Killigrew_44 Start: 34598, Stop: 32769, Start Num: 254
Candidate Starts for Killigrew_44:
(Start: 254 @34598 has 935 MA's), (391, 34385), (400, 34370), (426, 34322), (436, 34292), (443, 34271), (449, 34265), (455, 34256), (504, 34139), (514, 34112), (591, 34019), (596, 34004), (639, 33920), (641, 33917), (680, 33851), (701, 33821), (711, 33791), (734, 33746), (755, 33707), (819, 33527), (834, 33479), (850, 33431), (859, 33392), (862, 33374), (875, 33335), (899, 33314), (904, 33293), (909, 33278), (953, 33155), (1035, 32984), (1040, 32960), (1057, 32912), (1060, 32900), (1071, 32879), (1075, 32873), (1094, 32825), (1101, 32810),

Gene: KimJongPhill_80 Start: 57331, Stop: 59844, Start Num: 48
Candidate Starts for KimJongPhill_80:
(Start: 27 @57226 has 1 MA's), (34, 57268), (40, 57298), (Start: 48 @57331 has 1 MA's), (94, 57460), (Start: 96 @57466 has 1 MA's), (101, 57475), (134, 57571), (143, 57589), (228, 57733), (Start: 253 @57766 has 33 MA's), (Start: 277 @57796 has 1 MA's), (333, 57892), (Start: 342 @57910 has 5 MA's), (367, 57979), (459, 58159), (465, 58174), (476, 58201), (503, 58273), (526, 58321), (569, 58438), (668, 58567), (754, 58753), (755, 58756), (768, 58780), (778, 58804), (803, 58891), (848,

59047), (852, 59068), (862, 59110), (874, 59146), (876, 59152), (880, 59158), (883, 59164), (912, 59245), (958, 59383), (970, 59404), (1006, 59524), (1012, 59542), (1027, 59569), (1046, 59638), (1049, 59644), (1053, 59656), (1058, 59671), (1068, 59704), (1095, 59770),

Gene: Kimba_45 Start: 30739, Stop: 28952, Start Num: 254
Candidate Starts for Kimba_45:
(Start: 254 @30739 has 935 MA's), (386, 30535), (426, 30463), (436, 30433), (449, 30406), (593, 30154), (618, 30103), (666, 30022), (688, 29977), (690, 29974), (732, 29893), (759, 29836), (786, 29794), (798, 29749), (819, 29668), (836, 29617), (847, 29581), (862, 29515), (899, 29455), (902, 29443), (938, 29341), (946, 29317), (951, 29299), (985, 29236), (1000, 29209), (1003, 29200), (1007, 29176), (1060, 29041), (1065, 29029), (1071, 29020),

Gene: Kimbrough_61 Start: 54598, Stop: 52739, Start Num: 215
Candidate Starts for Kimbrough_61:
(Start: 198 @54622 has 1 MA's), (Start: 215 @54598 has 328 MA's), (Start: 245 @54574 has 14 MA's), (Start: 258 @54568 has 2 MA's), (Start: 288 @54526 has 1 MA's), (300, 54505), (360, 54391), (363, 54385), (382, 54355), (418, 54295), (425, 54274), (442, 54220), (454, 54208), (464, 54190), (469, 54178), (511, 54073), (567, 54016), (590, 53980), (594, 53968), (603, 53944), (609, 53932), (620, 53914), (630, 53896), (641, 53878), (666, 53839), (670, 53830), (671, 53827), (673, 53824), (813, 53467), (820, 53434), (827, 53413), (856, 53320), (859, 53311), (881, 53248), (904, 53212), (905, 53209), (910, 53194), (939, 53116), (944, 53104), (950, 53083), (970, 53044), (1007, 52954), (1018, 52936), (1021, 52930), (1029, 52915), (1039, 52891), (1041, 52876), (1042, 52873), (1044, 52861), (1054, 52837), (1073, 52789), (1084, 52765),

Gene: Kimona_43 Start: 29598, Stop: 27742, Start Num: 254
Candidate Starts for Kimona_43:
(Start: 254 @29598 has 935 MA's), (386, 29394), (436, 29292), (443, 29271), (449, 29265), (455, 29256), (510, 29124), (514, 29112), (591, 29016), (647, 28905), (666, 28878), (719, 28773), (732, 28752), (755, 28707), (782, 28638), (798, 28581), (819, 28500), (862, 28347), (875, 28308), (905, 28236), (910, 28221), (920, 28197), (935, 28155), (946, 28122), (1060, 27831), (1065, 27819), (1071, 27810),

Gene: KingCyrus_47 Start: 33203, Stop: 31416, Start Num: 254
Candidate Starts for KingCyrus_47:
(Start: 208 @33239 has 32 MA's), (Start: 254 @33203 has 935 MA's), (388, 32996), (391, 32990), (402, 32975), (413, 32960), (427, 32924), (436, 32897), (449, 32870), (463, 32849), (514, 32717), (591, 32624), (609, 32576), (618, 32567), (626, 32552), (666, 32486), (708, 32405), (732, 32357), (755, 32312), (767, 32288), (819, 32132), (836, 32081), (846, 32048), (847, 32045), (862, 31979), (875, 31940), (899, 31919), (925, 31844), (929, 31832), (946, 31781), (975, 31718), (985, 31700), (1003, 31664), (1041, 31562), (1060, 31505), (1065, 31493), (1071, 31484),

Gene: KingJulien_38 Start: 29054, Stop: 27189, Start Num: 339
Candidate Starts for KingJulien_38:
(Start: 339 @29054 has 121 MA's), (Start: 342 @29045 has 5 MA's), (471, 28781), (476, 28766), (478, 28760), (525, 28628), (540, 28574), (544, 28562), (582, 28487), (588, 28478), (591, 28466), (600, 28439), (601, 28436), (612, 28421), (634, 28415), (639, 28403), (680, 28334), (789, 28085), (855, 27872), (858, 27863), (859, 27860), (862, 27842), (876, 27800), (912, 27713), (970, 27554), (982, 27524), (1004, 27455), (1007, 27431), (1025, 27392), (1039, 27359), (1040, 27347),

Gene: KingTut_53 Start: 50762, Stop: 48903, Start Num: 215
Candidate Starts for KingTut_53:
(Start: 198 @50786 has 1 MA's), (Start: 215 @50762 has 328 MA's), (Start: 245 @50738 has 14 MA's), (Start: 258 @50732 has 2 MA's), (Start: 288 @50690 has 1 MA's), (300, 50669), (360, 50555),

(363, 50549), (382, 50519), (418, 50459), (425, 50438), (442, 50384), (454, 50372), (464, 50354), (469, 50342), (511, 50237), (567, 50180), (590, 50144), (594, 50132), (605, 50105), (620, 50078), (630, 50060), (641, 50042), (666, 50003), (670, 49994), (671, 49991), (783, 49733), (813, 49631), (820, 49598), (827, 49577), (856, 49484), (859, 49475), (881, 49412), (904, 49376), (905, 49373), (910, 49358), (939, 49280), (944, 49268), (950, 49247), (970, 49208), (1007, 49118), (1018, 49100), (1021, 49094), (1029, 49079), (1039, 49055), (1041, 49040), (1042, 49037), (1044, 49025), (1054, 49001), (1073, 48953), (1084, 48929),

Gene: KingVeVeVe_59 Start: 53565, Stop: 51706, Start Num: 215
Candidate Starts for KingVeVeVe_59:
(Start: 198 @53589 has 1 MA's), (Start: 215 @53565 has 328 MA's), (Start: 245 @53541 has 14 MA's), (Start: 258 @53535 has 2 MA's), (280, 53508), (Start: 288 @53493 has 1 MA's), (300, 53472), (360, 53358), (363, 53352), (382, 53322), (418, 53262), (425, 53241), (442, 53187), (454, 53175), (464, 53157), (469, 53145), (511, 53040), (567, 52983), (590, 52947), (594, 52935), (605, 52908), (609, 52899), (630, 52863), (666, 52806), (670, 52797), (671, 52794), (673, 52791), (813, 52434), (820, 52401), (827, 52380), (856, 52287), (859, 52278), (881, 52215), (904, 52179), (905, 52176), (910, 52161), (939, 52083), (944, 52071), (950, 52050), (970, 52011), (1007, 51921), (1018, 51903), (1021, 51897), (1029, 51882), (1039, 51858), (1041, 51843), (1042, 51840), (1044, 51828), (1054, 51804), (1073, 51756), (1084, 51732),

Gene: Kingmustik0402_45 Start: 31559, Stop: 29733, Start Num: 254
Candidate Starts for Kingmustik0402_45:
(Start: 254 @31559 has 935 MA's), (271, 31538), (289, 31508), (305, 31478), (413, 31316), (421, 31298), (449, 31226), (455, 31217), (505, 31097), (514, 31073), (591, 30980), (611, 30932), (626, 30911), (647, 30872), (719, 30740), (732, 30719), (755, 30674), (759, 30662), (815, 30509), (819, 30488), (855, 30365), (862, 30335), (875, 30296), (904, 30230), (905, 30227), (910, 30212), (920, 30188), (929, 30164), (1007, 29957), (1060, 29822), (1065, 29810), (1071, 29801),

Gene: Kinmap_43 Start: 30677, Stop: 28872, Start Num: 254
Candidate Starts for Kinmap_43:
(Start: 254 @30677 has 935 MA's), (413, 30431), (426, 30398), (427, 30395), (436, 30368), (449, 30341), (455, 30332), (514, 30188), (591, 30095), (609, 30047), (792, 29699), (801, 29663), (819, 29594), (836, 29537), (855, 29465), (862, 29435), (904, 29354), (946, 29237), (1003, 29120), (1060, 28961), (1065, 28949), (1071, 28940),

Gene: Kipper29_45 Start: 29646, Stop: 27805, Start Num: 254
Candidate Starts for Kipper29_45:
(Start: 254 @29646 has 935 MA's), (386, 29442), (426, 29367), (427, 29364), (436, 29337), (441, 29322), (449, 29310), (474, 29259), (510, 29169), (514, 29157), (591, 29064), (605, 29025), (618, 29007), (626, 28992), (666, 28926), (681, 28893), (683, 28890), (735, 28788), (767, 28728), (798, 28644), (819, 28563), (846, 28479), (847, 28476), (850, 28467), (855, 28440), (862, 28410), (899, 28350), (910, 28311), (1003, 28095), (1004, 28092), (1007, 28071), (1060, 27936), (1065, 27924), (1071, 27915), (1073, 27912), (1111, 27819),

Gene: KittenMittens_41 Start: 30386, Stop: 28554, Start Num: 254
Candidate Starts for KittenMittens_41:
(Start: 254 @30386 has 935 MA's), (289, 30335), (338, 30269), (386, 30182), (391, 30173), (422, 30122), (426, 30110), (449, 30053), (488, 29972), (491, 29960), (494, 29951), (505, 29924), (514, 29900), (591, 29807), (605, 29768), (647, 29699), (666, 29672), (734, 29540), (819, 29312), (843, 29246), (855, 29189), (862, 29159), (875, 29120), (905, 29048), (910, 29033), (920, 29009), (935, 28967), (946, 28934), (1007, 28778), (1021, 28754), (1043, 28691), (1060, 28643), (1065, 28631), (1071, 28622),

Gene: KlimbOn_60 Start: 54056, Stop: 52197, Start Num: 215
Candidate Starts for KlimbOn_60:
(Start: 198 @54080 has 1 MA's), (Start: 215 @54056 has 328 MA's), (Start: 245 @54032 has 14 MA's), (Start: 258 @54026 has 2 MA's), (Start: 288 @53984 has 1 MA's), (300, 53963), (360, 53849), (363, 53843), (382, 53813), (418, 53753), (425, 53732), (442, 53678), (454, 53666), (464, 53648), (469, 53636), (511, 53531), (567, 53474), (590, 53438), (594, 53426), (603, 53402), (609, 53390), (620, 53372), (630, 53354), (641, 53336), (666, 53297), (670, 53288), (671, 53285), (673, 53282), (783, 53027), (813, 52925), (820, 52892), (827, 52871), (856, 52778), (859, 52769), (881, 52706), (904, 52670), (905, 52667), (910, 52652), (939, 52574), (944, 52562), (950, 52541), (970, 52502), (1007, 52412), (1018, 52394), (1021, 52388), (1029, 52373), (1039, 52349), (1041, 52334), (1042, 52331), (1044, 52319), (1054, 52295), (1073, 52247), (1084, 52223),

Gene: Klimt_38 Start: 28614, Stop: 26749, Start Num: 339
Candidate Starts for Klimt_38:
(Start: 275 @28701 has 3 MA's), (Start: 339 @28614 has 121 MA's), (Start: 342 @28605 has 5 MA's), (392, 28500), (398, 28491), (418, 28461), (419, 28458), (472, 28338), (476, 28326), (478, 28320), (518, 28215), (525, 28188), (582, 28047), (587, 28041), (588, 28038), (591, 28026), (600, 27999), (601, 27996), (612, 27981), (634, 27975), (637, 27969), (657, 27936), (725, 27807), (749, 27747), (855, 27432), (858, 27423), (859, 27420), (862, 27402), (876, 27360), (880, 27354), (895, 27330), (912, 27273), (970, 27114), (982, 27084), (985, 27075), (1004, 27015), (1007, 26991), (1025, 26952), (1039, 26919), (1040, 26907), (1058, 26847),

Gene: Klodlith_43 Start: 30725, Stop: 28932, Start Num: 254
Candidate Starts for Klodlith_43:
(Start: 254 @30725 has 935 MA's), (261, 30716), (369, 30554), (371, 30551), (386, 30521), (415, 30476), (427, 30443), (436, 30416), (441, 30401), (449, 30389), (474, 30338), (505, 30260), (514, 30236), (591, 30143), (599, 30119), (606, 30098), (680, 29975), (759, 29816), (761, 29813), (785, 29777), (787, 29771), (819, 29648), (843, 29582), (859, 29513), (862, 29495), (899, 29435), (904, 29414), (946, 29297), (983, 29222), (1003, 29180), (1041, 29078), (1060, 29021), (1065, 29009), (1071, 29000),

Gene: Kloppinator_61 Start: 54207, Stop: 52348, Start Num: 215
Candidate Starts for Kloppinator_61:
(Start: 198 @54231 has 1 MA's), (Start: 215 @54207 has 328 MA's), (Start: 245 @54183 has 14 MA's), (Start: 258 @54177 has 2 MA's), (Start: 288 @54135 has 1 MA's), (300, 54114), (360, 54000), (363, 53994), (382, 53964), (418, 53904), (425, 53883), (442, 53829), (454, 53817), (464, 53799), (467, 53790), (469, 53787), (511, 53682), (567, 53625), (590, 53589), (594, 53577), (603, 53553), (609, 53541), (620, 53523), (630, 53505), (641, 53487), (666, 53448), (670, 53439), (671, 53436), (673, 53433), (813, 53076), (820, 53043), (827, 53022), (856, 52929), (859, 52920), (881, 52857), (904, 52821), (905, 52818), (910, 52803), (939, 52725), (944, 52713), (950, 52692), (970, 52653), (1007, 52563), (1018, 52545), (1021, 52539), (1029, 52524), (1039, 52500), (1041, 52485), (1042, 52482), (1044, 52470), (1054, 52446), (1073, 52398), (1084, 52374),

Gene: Knocker_59 Start: 55993, Stop: 54140, Start Num: 215
Candidate Starts for Knocker_59:
(Start: 215 @55993 has 328 MA's), (280, 55936), (305, 55891), (315, 55879), (316, 55876), (334, 55855), (388, 55750), (467, 55588), (469, 55585), (477, 55567), (511, 55480), (567, 55423), (580, 55411), (590, 55387), (594, 55375), (609, 55339), (613, 55333), (658, 55252), (670, 55231), (671, 55228), (681, 55204), (684, 55198), (732, 55114), (744, 55084), (765, 55018), (783, 54970), (790, 54949), (797, 54928), (806, 54892), (814, 54862), (820, 54835), (827, 54814), (854, 54727), (856, 54721), (859, 54712), (881, 54649), (904, 54613), (905, 54610), (906, 54607), (910, 54595), (920, 54571), (939, 54517), (944, 54505), (950, 54484), (953, 54475), (985, 54415), (1004, 54376), (1018, 54337), (1021, 54331), (1039, 54292), (1040, 54280), (1041, 54277), (1042, 54274), (1050, 54250),

(1054, 54238), (1062, 54214), (1073, 54190), (1075, 54187), (1084, 54166), (1091, 54145),

Gene: Knox_39 Start: 28934, Stop: 27069, Start Num: 339
Candidate Starts for Knox_39:
(Start: 275 @29021 has 3 MA's), (Start: 277 @29018 has 1 MA's), (Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (471, 28661), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (749, 28067), (773, 28013), (780, 27992), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: Koan_43 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Koan_43:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Koduck_45 Start: 30337, Stop: 28550, Start Num: 253
Candidate Starts for Koduck_45:
(Start: 253 @30337 has 33 MA's), (388, 30130), (391, 30124), (402, 30109), (413, 30094), (425, 30064), (426, 30061), (436, 30031), (449, 30004), (463, 29983), (474, 29953), (514, 29851), (591, 29758), (606, 29713), (609, 29710), (618, 29701), (626, 29686), (666, 29620), (681, 29587), (708, 29539), (732, 29491), (819, 29266), (836, 29215), (846, 29182), (847, 29179), (862, 29113), (875, 29074), (899, 29053), (925, 28978), (931, 28960), (946, 28915), (956, 28888), (975, 28852), (985, 28834), (1003, 28798), (1007, 28774), (1037, 28717), (1060, 28639), (1065, 28627), (1071, 28618),

Gene: Koji_37 Start: 28666, Stop: 26816, Start Num: 335
Candidate Starts for Koji_37:
(Start: 335 @28666 has 20 MA's), (398, 28543), (419, 28510), (469, 28399), (476, 28378), (478, 28372), (483, 28363), (496, 28321), (554, 28165), (582, 28111), (587, 28105), (588, 28102), (591, 28090), (601, 28060), (654, 28003), (757, 27787), (789, 27709), (855, 27499), (859, 27487), (862, 27469), (876, 27427), (912, 27340), (982, 27151), (985, 27142), (1004, 27082), (1007, 27058), (1015, 27037), (1022, 27025), (1058, 26914),

Gene: Koko_47 Start: 30329, Stop: 28530, Start Num: 254
Candidate Starts for Koko_47:
(Start: 254 @30329 has 935 MA's), (386, 30125), (391, 30116), (426, 30050), (427, 30047), (436, 30020), (441, 30005), (449, 29993), (474, 29942), (510, 29852), (514, 29840), (591, 29747), (609, 29699), (618, 29690), (717, 29507), (792, 29357), (819, 29252), (836, 29195), (847, 29159), (850, 29150), (855, 29123), (862, 29093), (875, 29054), (899, 29033), (908, 29000), (910, 28994), (946, 28895), (975, 28832), (1003, 28778), (1007, 28754), (1037, 28697), (1060, 28619), (1065, 28607), (1071, 28598), (1073, 28595),

Gene: Kolhan_57 Start: 52487, Stop: 50658, Start Num: 215
Candidate Starts for Kolhan_57:
(Start: 215 @52487 has 328 MA's), (Start: 258 @52460 has 2 MA's), (Start: 282 @52430 has 7 MA's), (Start: 288 @52418 has 1 MA's), (Start: 304 @52391 has 2 MA's), (305, 52388), (314, 52379), (338, 52361), (388, 52265), (418, 52214), (426, 52190), (433, 52166), (496, 52028), (506, 52004), (511, 51992), (567, 51935), (590, 51899), (594, 51887), (603, 51863), (652, 51779), (670, 51749), (671, 51746), (684, 51716), (753, 51572), (778, 51506), (796, 51455), (800, 51434), (806, 51416), (820,

51359), (850, 51275), (856, 51245), (859, 51236), (879, 51170), (902, 51143), (904, 51134), (910, 51116), (920, 51092), (939, 51038), (944, 51026), (950, 51005), (985, 50936), (1007, 50876), (1018, 50858), (1035, 50825), (1039, 50813), (1041, 50798), (1042, 50795), (1044, 50783), (1054, 50759), (1055, 50756), (1073, 50708), (1075, 50705), (1084, 50684), (1091, 50663),

Gene: Koreni_44 Start: 31251, Stop: 29425, Start Num: 254
Candidate Starts for Koreni_44:
(Start: 254 @31251 has 935 MA's), (271, 31230), (289, 31200), (305, 31170), (413, 31008), (421, 30990), (449, 30918), (455, 30909), (505, 30789), (514, 30765), (591, 30672), (611, 30624), (626, 30603), (647, 30564), (719, 30432), (732, 30411), (755, 30366), (759, 30354), (815, 30201), (819, 30180), (855, 30057), (862, 30027), (875, 29988), (904, 29922), (905, 29919), (910, 29904), (920, 29880), (929, 29856), (1007, 29649), (1060, 29514), (1065, 29502), (1071, 29493),

Gene: Kouch_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for Kouch_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: Kradal_67 Start: 46750, Stop: 44786, Start Num: 322
Candidate Starts for Kradal_67:
(Start: 322 @46750 has 13 MA's), (379, 46654), (435, 46546), (438, 46534), (456, 46480), (490, 46396), (532, 46261), (559, 46162), (566, 46150), (573, 46123), (581, 46108), (645, 45970), (692, 45883), (734, 45787), (774, 45679), (775, 45676), (785, 45649), (793, 45622), (800, 45592), (810, 45562), (840, 45457), (865, 45349), (867, 45340), (869, 45334), (933, 45190), (939, 45172), (945, 45154), (980, 45100), (1021, 44983), (1028, 44971), (1033, 44962), (1038, 44950), (1041, 44932), (1048, 44908), (1058, 44884), (1064, 44866),

Gene: Kratark_45 Start: 31709, Stop: 29883, Start Num: 254
Candidate Starts for Kratark_45:
(Start: 254 @31709 has 935 MA's), (271, 31688), (289, 31658), (305, 31628), (413, 31466), (421, 31448), (449, 31376), (455, 31367), (505, 31247), (514, 31223), (591, 31130), (611, 31082), (647, 31022), (719, 30890), (732, 30869), (755, 30824), (759, 30812), (815, 30659), (819, 30638), (855, 30515), (862, 30485), (875, 30446), (904, 30380), (905, 30377), (910, 30362), (920, 30338), (929, 30314), (1007, 30107), (1060, 29972), (1065, 29960), (1071, 29951),

Gene: Kremtemulon_45 Start: 31521, Stop: 29695, Start Num: 254
Candidate Starts for Kremtemulon_45:
(Start: 254 @31521 has 935 MA's), (Start: 288 @31473 has 1 MA's), (386, 31317), (426, 31245), (449, 31188), (455, 31179), (505, 31059), (514, 31035), (568, 30981), (591, 30942), (611, 30894), (626, 30873), (647, 30834), (719, 30702), (725, 30693), (732, 30681), (755, 30636), (759, 30624), (815, 30471), (819, 30450), (855, 30327), (862, 30297), (875, 30258), (904, 30192), (905, 30189), (910, 30174), (920, 30150), (929, 30126), (1007, 29919), (1060, 29784), (1065, 29772), (1071, 29763),

Gene: Krishelle_36 Start: 28397, Stop: 26613, Start Num: 254
Candidate Starts for Krishelle_36:
(Start: 254 @28397 has 935 MA's), (369, 28226), (407, 28163), (425, 28124), (426, 28121), (441, 28076), (449, 28064), (455, 28055), (473, 28016), (514, 27911), (591, 27818), (609, 27770), (647, 27707), (666, 27680), (719, 27575), (734, 27548), (755, 27509), (819, 27329), (834, 27281), (862,

27176), (863, 27173), (899, 27116), (904, 27095), (923, 27047), (948, 26972), (983, 26903), (1003, 26861), (1004, 26858), (1007, 26837), (1012, 26822), (1041, 26759), (1060, 26702), (1065, 26690), (1085, 26651), (1091, 26633),

Gene: Kristoff_44 Start: 31492, Stop: 29657, Start Num: 254
Candidate Starts for Kristoff_44:
(Start: 254 @31492 has 935 MA's), (289, 31441), (338, 31375), (386, 31288), (400, 31264), (422, 31228), (426, 31216), (449, 31159), (455, 31150), (514, 31006), (562, 30964), (591, 30913), (611, 30865), (647, 30805), (718, 30676), (719, 30673), (732, 30652), (734, 30646), (787, 30538), (819, 30415), (834, 30367), (855, 30292), (862, 30262), (875, 30223), (904, 30154), (905, 30151), (920, 30112), (929, 30088), (931, 30082), (935, 30070), (1007, 29881), (1021, 29857), (1043, 29794), (1060, 29746), (1065, 29734), (1071, 29725),

Gene: Kronus_58 Start: 54729, Stop: 52912, Start Num: 256
Candidate Starts for Kronus_58:
(137, 54912), (Start: 256 @54729 has 51 MA's), (280, 54699), (391, 54519), (437, 54414), (463, 54366), (467, 54354), (481, 54324), (489, 54318), (511, 54255), (513, 54249), (567, 54198), (590, 54162), (609, 54114), (671, 54009), (718, 53913), (747, 53862), (796, 53718), (806, 53679), (814, 53649), (820, 53622), (824, 53610), (854, 53514), (856, 53508), (859, 53499), (861, 53487), (893, 53415), (904, 53385), (910, 53367), (915, 53358), (939, 53289), (944, 53277), (950, 53256), (985, 53187), (996, 53172), (1004, 53148), (1007, 53127), (1018, 53109), (1021, 53103), (1037, 53070), (1039, 53064), (1042, 53046), (1044, 53034), (1050, 53022), (1054, 53010), (1070, 52968), (1084, 52938),

Gene: Kugel_46 Start: 35094, Stop: 33268, Start Num: 254
Candidate Starts for Kugel_46:
(Start: 254 @35094 has 935 MA's), (391, 34881), (400, 34866), (426, 34818), (436, 34788), (443, 34767), (449, 34761), (455, 34752), (504, 34635), (514, 34608), (591, 34515), (596, 34500), (609, 34467), (639, 34416), (641, 34413), (680, 34347), (711, 34287), (734, 34242), (755, 34203), (819, 34023), (834, 33975), (847, 33936), (862, 33870), (875, 33831), (899, 33810), (904, 33789), (910, 33771), (935, 33705), (1003, 33555), (1004, 33552), (1012, 33516), (1029, 33492), (1034, 33483), (1038, 33471), (1060, 33396), (1071, 33375),

Gene: Kurt1_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for Kurt1_39:
(Start: 275 @29017 has 3 MA's), (Start: 277 @29014 has 1 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (749, 28063), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (884, 27661), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: Kwadwo_59 Start: 54008, Stop: 52149, Start Num: 215
Candidate Starts for Kwadwo_59:
(Start: 198 @54032 has 1 MA's), (Start: 215 @54008 has 328 MA's), (Start: 245 @53984 has 14 MA's), (Start: 258 @53978 has 2 MA's), (Start: 288 @53936 has 1 MA's), (300, 53915), (360, 53801), (363, 53795), (382, 53765), (418, 53705), (425, 53684), (442, 53630), (454, 53618), (464, 53600), (469, 53588), (511, 53483), (567, 53426), (590, 53390), (594, 53378), (605, 53351), (630, 53306), (666, 53249), (670, 53240), (671, 53237), (783, 52979), (813, 52877), (820, 52844), (827, 52823), (856, 52730), (859, 52721), (881, 52658), (904, 52622), (905, 52619), (910, 52604), (939, 52526), (944, 52514), (950, 52493), (970, 52454), (1007, 52364), (1018, 52346), (1021, 52340), (1029, 52325), (1039, 52301), (1041, 52286), (1042, 52283), (1044, 52271), (1054, 52247), (1073, 52199), (1084,

52175),

Gene: Kwksand96_61 Start: 54137, Stop: 52278, Start Num: 215
Candidate Starts for Kwksand96_61:
(Start: 198 @54161 has 1 MA's), (Start: 215 @54137 has 328 MA's), (Start: 245 @54113 has 14 MA's), (Start: 258 @54107 has 2 MA's), (Start: 288 @54065 has 1 MA's), (300, 54044), (360, 53930), (363, 53924), (382, 53894), (418, 53834), (425, 53813), (442, 53759), (454, 53747), (464, 53729), (469, 53717), (511, 53612), (567, 53555), (590, 53519), (594, 53507), (605, 53480), (630, 53435), (666, 53378), (670, 53369), (671, 53366), (813, 53006), (820, 52973), (827, 52952), (856, 52859), (859, 52850), (881, 52787), (904, 52751), (905, 52748), (910, 52733), (939, 52655), (944, 52643), (950, 52622), (970, 52583), (1007, 52493), (1018, 52475), (1021, 52469), (1029, 52454), (1039, 52430), (1041, 52415), (1042, 52412), (1044, 52400), (1054, 52376), (1073, 52328), (1084, 52304), (1089, 52289),

Gene: KyMonks1A_47 Start: 34990, Stop: 33164, Start Num: 254
Candidate Starts for KyMonks1A_47:
(Start: 254 @34990 has 935 MA's), (391, 34777), (400, 34762), (436, 34684), (443, 34663), (449, 34657), (455, 34648), (504, 34531), (514, 34504), (591, 34411), (596, 34396), (609, 34363), (639, 34312), (641, 34309), (680, 34243), (701, 34213), (711, 34183), (734, 34138), (755, 34099), (819, 33919), (834, 33871), (847, 33832), (862, 33766), (875, 33727), (899, 33706), (904, 33685), (910, 33667), (935, 33601), (1003, 33451), (1004, 33448), (1012, 33412), (1029, 33388), (1034, 33379), (1038, 33367), (1043, 33340), (1060, 33292), (1071, 33271),

Gene: Kyee_45 Start: 31568, Stop: 29742, Start Num: 254
Candidate Starts for Kyee_45:
(Start: 254 @31568 has 935 MA's), (271, 31547), (289, 31517), (305, 31487), (413, 31325), (421, 31307), (449, 31235), (455, 31226), (505, 31106), (514, 31082), (591, 30989), (611, 30941), (626, 30920), (647, 30881), (719, 30749), (732, 30728), (755, 30683), (759, 30671), (815, 30518), (819, 30497), (855, 30374), (862, 30344), (875, 30305), (904, 30239), (905, 30236), (910, 30221), (920, 30197), (929, 30173), (1007, 29966), (1060, 29831), (1065, 29819), (1071, 29810),

Gene: Kykar_45 Start: 34788, Stop: 32959, Start Num: 254
Candidate Starts for Kykar_45:
(Start: 254 @34788 has 935 MA's), (391, 34575), (400, 34560), (436, 34482), (443, 34461), (449, 34455), (455, 34446), (514, 34302), (591, 34209), (596, 34194), (639, 34110), (641, 34107), (680, 34041), (701, 34011), (711, 33981), (734, 33936), (755, 33897), (819, 33717), (834, 33669), (850, 33621), (859, 33582), (862, 33564), (875, 33525), (899, 33504), (904, 33483), (909, 33468), (953, 33345), (1035, 33174), (1040, 33150), (1057, 33102), (1060, 33090), (1071, 33069), (1075, 33063), (1094, 33015), (1101, 33000),

Gene: L5_44 Start: 30476, Stop: 28689, Start Num: 253
Candidate Starts for L5_44:
(Start: 253 @30476 has 33 MA's), (386, 30272), (388, 30269), (391, 30263), (402, 30248), (413, 30233), (425, 30203), (426, 30200), (436, 30170), (449, 30143), (463, 30122), (474, 30092), (514, 29990), (591, 29897), (606, 29852), (609, 29849), (618, 29840), (626, 29825), (666, 29759), (681, 29726), (708, 29678), (732, 29630), (819, 29405), (836, 29354), (846, 29321), (847, 29318), (862, 29252), (875, 29213), (899, 29192), (925, 29117), (931, 29099), (946, 29054), (956, 29027), (975, 28991), (985, 28973), (1003, 28937), (1007, 28913), (1037, 28856), (1060, 28778), (1065, 28766), (1071, 28757),

Gene: LBerry_49 Start: 31856, Stop: 30042, Start Num: 254
Candidate Starts for LBerry_49:

(Start: 254 @31856 has 935 MA's), (284, 31817), (289, 31805), (386, 31652), (395, 31637), (426, 31580), (449, 31523), (455, 31514), (474, 31472), (494, 31421), (514, 31370), (591, 31277), (609, 31229), (618, 31220), (626, 31205), (647, 31166), (666, 31139), (680, 31109), (727, 31016), (758, 30956), (767, 30941), (819, 30785), (847, 30698), (862, 30632), (875, 30593), (905, 30521), (920, 30482), (929, 30458), (935, 30440), (946, 30407), (956, 30380), (985, 30326), (1007, 30266), (1041, 30188), (1060, 30131), (1065, 30119), (1071, 30110),

Gene: LHTSCC_47 Start: 31992, Stop: 30166, Start Num: 254
Candidate Starts for LHTSCC_47:
(Start: 254 @31992 has 935 MA's), (Start: 288 @31944 has 1 MA's), (386, 31788), (426, 31716), (449, 31659), (455, 31650), (505, 31530), (514, 31506), (591, 31413), (611, 31365), (626, 31344), (647, 31305), (675, 31260), (719, 31173), (725, 31164), (732, 31152), (755, 31107), (759, 31095), (815, 30942), (819, 30921), (855, 30798), (862, 30768), (875, 30729), (904, 30663), (905, 30660), (920, 30621), (929, 30597), (1007, 30390), (1060, 30255), (1065, 30243), (1071, 30234),

Gene: Labeouficaum_61 Start: 54131, Stop: 52272, Start Num: 215
Candidate Starts for Labeouficaum_61:
(Start: 198 @54155 has 1 MA's), (Start: 215 @54131 has 328 MA's), (Start: 245 @54107 has 14 MA's), (Start: 258 @54101 has 2 MA's), (Start: 288 @54059 has 1 MA's), (300, 54038), (360, 53924), (363, 53918), (382, 53888), (418, 53828), (425, 53807), (442, 53753), (454, 53741), (464, 53723), (469, 53711), (511, 53606), (567, 53549), (590, 53513), (594, 53501), (603, 53477), (609, 53465), (620, 53447), (630, 53429), (641, 53411), (666, 53372), (670, 53363), (671, 53360), (673, 53357), (783, 53102), (813, 53000), (820, 52967), (827, 52946), (856, 52853), (859, 52844), (881, 52781), (904, 52745), (905, 52742), (910, 52727), (939, 52649), (944, 52637), (950, 52616), (970, 52577), (1007, 52487), (1018, 52469), (1021, 52463), (1029, 52448), (1039, 52424), (1041, 52409), (1042, 52406), (1044, 52394), (1054, 52370), (1060, 52349), (1073, 52322), (1084, 52298), (1089, 52283),

Gene: LadyAstra_48 Start: 30680, Stop: 32542, Start Num: 254
Candidate Starts for LadyAstra_48:
(Start: 254 @30680 has 935 MA's), (Start: 288 @30728 has 1 MA's), (391, 30893), (436, 30977), (470, 31043), (599, 31289), (647, 31379), (727, 31526), (732, 31532), (769, 31616), (819, 31790), (846, 31874), (853, 31907), (903, 32036), (905, 32045), (943, 32147), (1007, 32303), (1021, 32327), (1035, 32354), (1039, 32366), (1060, 32438),

Gene: LadyBird_47 Start: 31737, Stop: 29950, Start Num: 254
Candidate Starts for LadyBird_47:
(Start: 254 @31737 has 935 MA's), (386, 31533), (388, 31530), (391, 31524), (402, 31509), (413, 31494), (426, 31461), (427, 31458), (436, 31431), (449, 31404), (463, 31383), (474, 31353), (514, 31251), (591, 31158), (594, 31149), (609, 31110), (618, 31101), (626, 31086), (666, 31020), (708, 30939), (732, 30891), (734, 30885), (798, 30747), (819, 30666), (836, 30615), (846, 30582), (847, 30579), (862, 30513), (875, 30474), (899, 30453), (925, 30378), (931, 30360), (946, 30315), (956, 30288), (975, 30252), (985, 30234), (1003, 30198), (1007, 30174), (1037, 30117), (1060, 30039), (1065, 30027), (1071, 30018),

Gene: LadyJasley_40 Start: 33345, Stop: 31501, Start Num: 288
Candidate Starts for LadyJasley_40:
(226, 33429), (231, 33423), (Start: 254 @33393 has 935 MA's), (Start: 288 @33345 has 1 MA's), (Start: 304 @33315 has 2 MA's), (361, 33216), (377, 33201), (434, 33078), (437, 33069), (480, 32997), (491, 32979), (499, 32964), (558, 32889), (578, 32862), (585, 32847), (603, 32793), (605, 32790), (650, 32703), (715, 32583), (723, 32568), (761, 32481), (784, 32424), (875, 32079), (921, 31995), (935, 31956), (952, 31902), (970, 31872), (1008, 31773), (1012, 31761), (1021, 31752), (1035, 31719), (1058, 31644), (1060, 31635), (1068, 31608), (1108, 31515), (1111, 31506),

Gene: Lahqtemish_42 Start: 29831, Stop: 31705, Start Num: 241
Candidate Starts for Lahqtemish_42:
(Start: 241 @29831 has 65 MA's), (Start: 299 @29900 has 1 MA's), (315, 29921), (426, 30101), (464, 30182), (647, 30503), (766, 30737), (803, 30857), (804, 30860), (819, 30920), (822, 30926), (843, 30986), (845, 31001), (853, 31037), (856, 31046), (862, 31073), (903, 31166), (908, 31184), (920, 31214), (967, 31337), (969, 31340), (1003, 31409), (1012, 31448), (1021, 31457), (1037, 31490), (1039, 31496), (1040, 31508), (1053, 31544), (1060, 31568), (1065, 31580), (1071, 31589), (1081, 31613),

Gene: Lambano_52 Start: 52998, Stop: 51175, Start Num: 208
Candidate Starts for Lambano_52:
(Start: 190 @53016 has 4 MA's), (Start: 208 @52998 has 32 MA's), (Start: 258 @52974 has 2 MA's), (280, 52947), (Start: 288 @52932 has 1 MA's), (300, 52911), (353, 52824), (415, 52719), (430, 52677), (464, 52611), (477, 52581), (481, 52572), (487, 52569), (489, 52566), (496, 52539), (567, 52446), (582, 52428), (590, 52410), (594, 52398), (599, 52383), (605, 52371), (670, 52260), (671, 52257), (684, 52227), (706, 52191), (796, 51966), (797, 51963), (806, 51927), (813, 51903), (820, 51870), (854, 51762), (856, 51756), (858, 51750), (859, 51747), (904, 51648), (905, 51645), (910, 51630), (939, 51552), (944, 51540), (950, 51519), (953, 51510), (970, 51480), (983, 51456), (1000, 51423), (1007, 51390), (1018, 51372), (1021, 51366), (1039, 51327), (1042, 51309), (1044, 51297), (1054, 51273), (1070, 51231), (1073, 51225), (1084, 51201),

Gene: Lambert1_44 Start: 31597, Stop: 29759, Start Num: 254
Candidate Starts for Lambert1_44:
(Start: 254 @31597 has 935 MA's), (289, 31546), (386, 31393), (426, 31321), (436, 31291), (449, 31264), (455, 31255), (514, 31111), (591, 31015), (611, 30967), (647, 30907), (702, 30820), (719, 30775), (732, 30754), (768, 30682), (787, 30640), (798, 30598), (819, 30517), (834, 30469), (847, 30430), (855, 30394), (862, 30364), (873, 30334), (905, 30253), (920, 30214), (929, 30190), (935, 30172), (936, 30169), (985, 30043), (1007, 29983), (1043, 29896), (1060, 29848), (1065, 29836), (1071, 29827),

Gene: Lamina13_45 Start: 34387, Stop: 32561, Start Num: 254
Candidate Starts for Lamina13_45:
(Start: 254 @34387 has 935 MA's), (391, 34174), (400, 34159), (436, 34081), (443, 34060), (449, 34054), (455, 34045), (504, 33928), (514, 33901), (591, 33808), (596, 33793), (639, 33709), (641, 33706), (680, 33640), (701, 33610), (711, 33580), (734, 33535), (755, 33496), (819, 33316), (834, 33268), (847, 33229), (862, 33163), (875, 33124), (899, 33103), (904, 33082), (910, 33064), (935, 32998), (1003, 32848), (1004, 32845), (1012, 32809), (1029, 32785), (1034, 32776), (1038, 32764), (1060, 32689), (1071, 32668),

Gene: Landor_44 Start: 32538, Stop: 30748, Start Num: 254
Candidate Starts for Landor_44:
(Start: 254 @32538 has 935 MA's), (386, 32334), (391, 32325), (427, 32256), (436, 32229), (449, 32202), (514, 32049), (591, 31956), (609, 31908), (618, 31899), (626, 31884), (666, 31818), (681, 31785), (725, 31701), (767, 31620), (786, 31590), (819, 31464), (830, 31434), (836, 31413), (855, 31341), (862, 31311), (875, 31272), (899, 31251), (904, 31230), (975, 31050), (983, 31038), (1003, 30996), (1007, 30972), (1037, 30915), (1041, 30894), (1060, 30837), (1065, 30825), (1071, 30816),

Gene: LappelDuVide_45 Start: 31569, Stop: 29743, Start Num: 254
Candidate Starts for LappelDuVide_45:
(Start: 254 @31569 has 935 MA's), (271, 31548), (289, 31518), (305, 31488), (413, 31326), (421, 31308), (449, 31236), (455, 31227), (505, 31107), (514, 31083), (591, 30990), (611, 30942), (626, 30921), (647, 30882), (719, 30750), (732, 30729), (755, 30684), (759, 30672), (815, 30519), (819, 30498), (855, 30375), (862, 30345), (875, 30306), (904, 30240), (905, 30237), (910, 30222), (920,

30198), (929, 30174), (1007, 29967), (1060, 29832), (1065, 29820), (1071, 29811),

Gene: Larenn_44 Start: 31600, Stop: 29807, Start Num: 254
Candidate Starts for Larenn_44:
(Start: 254 @31600 has 935 MA's), (386, 31396), (388, 31393), (391, 31387), (413, 31357), (426, 31324), (427, 31321), (436, 31294), (449, 31267), (474, 31216), (514, 31114), (591, 31021), (609, 30973), (618, 30964), (626, 30949), (666, 30883), (708, 30802), (732, 30754), (734, 30748), (798, 30610), (819, 30529), (836, 30472), (846, 30439), (855, 30400), (862, 30370), (875, 30331), (899, 30310), (904, 30289), (983, 30097), (985, 30091), (1003, 30055), (1007, 30031), (1037, 29974), (1041, 29953), (1060, 29896), (1065, 29884), (1071, 29875),

Gene: LarryKay_48 Start: 31886, Stop: 30072, Start Num: 254
Candidate Starts for LarryKay_48:
(Start: 254 @31886 has 935 MA's), (284, 31847), (289, 31835), (386, 31682), (395, 31667), (426, 31610), (449, 31553), (455, 31544), (474, 31502), (494, 31451), (514, 31400), (568, 31346), (591, 31307), (609, 31259), (626, 31235), (647, 31196), (666, 31169), (680, 31139), (727, 31046), (734, 31034), (758, 30986), (767, 30971), (819, 30815), (836, 30764), (846, 30731), (847, 30728), (862, 30662), (875, 30623), (905, 30551), (920, 30512), (929, 30488), (935, 30470), (946, 30437), (985, 30356), (1007, 30296), (1043, 30209), (1060, 30161), (1065, 30149), (1071, 30140), (1073, 30137),

Gene: Lars_57 Start: 52585, Stop: 50756, Start Num: 215
Candidate Starts for Lars_57:
(Start: 215 @52585 has 328 MA's), (Start: 258 @52558 has 2 MA's), (Start: 282 @52528 has 7 MA's), (Start: 288 @52516 has 1 MA's), (Start: 304 @52489 has 2 MA's), (305, 52486), (314, 52477), (338, 52459), (388, 52363), (418, 52312), (426, 52288), (433, 52264), (496, 52126), (506, 52102), (511, 52090), (567, 52033), (590, 51997), (594, 51985), (603, 51961), (648, 51883), (652, 51877), (658, 51868), (670, 51847), (671, 51844), (684, 51814), (753, 51670), (778, 51604), (796, 51553), (800, 51532), (806, 51514), (820, 51457), (850, 51373), (856, 51343), (859, 51334), (879, 51268), (902, 51241), (904, 51232), (910, 51214), (920, 51190), (939, 51136), (944, 51124), (950, 51103), (985, 51034), (1007, 50974), (1018, 50956), (1035, 50923), (1039, 50911), (1041, 50896), (1042, 50893), (1044, 50881), (1054, 50857), (1055, 50854), (1073, 50806), (1075, 50803), (1084, 50782), (1091, 50761),

Gene: Larson_64 Start: 54348, Stop: 52489, Start Num: 215
Candidate Starts for Larson_64:
(Start: 198 @54372 has 1 MA's), (Start: 215 @54348 has 328 MA's), (Start: 245 @54324 has 14 MA's), (Start: 258 @54318 has 2 MA's), (Start: 288 @54276 has 1 MA's), (300, 54255), (360, 54141), (363, 54135), (382, 54105), (418, 54045), (425, 54024), (442, 53970), (454, 53958), (464, 53940), (469, 53928), (511, 53823), (567, 53766), (590, 53730), (594, 53718), (605, 53691), (630, 53646), (666, 53589), (670, 53580), (671, 53577), (813, 53217), (820, 53184), (827, 53163), (856, 53070), (859, 53061), (881, 52998), (904, 52962), (905, 52959), (910, 52944), (939, 52866), (944, 52854), (950, 52833), (970, 52794), (1007, 52704), (1018, 52686), (1021, 52680), (1029, 52665), (1039, 52641), (1041, 52626), (1042, 52623), (1044, 52611), (1054, 52587), (1073, 52539), (1084, 52515),

Gene: LasagnaCat_62 Start: 54420, Stop: 52561, Start Num: 215
Candidate Starts for LasagnaCat_62:
(Start: 198 @54444 has 1 MA's), (Start: 215 @54420 has 328 MA's), (Start: 245 @54396 has 14 MA's), (Start: 258 @54390 has 2 MA's), (Start: 288 @54348 has 1 MA's), (300, 54327), (360, 54213), (363, 54207), (382, 54177), (418, 54117), (425, 54096), (442, 54042), (454, 54030), (464, 54012), (469, 54000), (511, 53895), (567, 53838), (590, 53802), (594, 53790), (605, 53763), (620, 53736), (630, 53718), (641, 53700), (666, 53661), (670, 53652), (671, 53649), (673, 53646), (813, 53289), (820, 53256), (827, 53235), (856, 53142), (859, 53133), (881, 53070), (904, 53034), (905, 53031), (910, 53016), (939, 52938), (944, 52926), (950, 52905), (970, 52866), (1007, 52776), (1018, 52758),

(1021, 52752), (1029, 52737), (1039, 52713), (1041, 52698), (1042, 52695), (1044, 52683), (1054, 52659), (1073, 52611), (1084, 52587),

Gene: Lasso_61 Start: 54283, Stop: 52424, Start Num: 215
Candidate Starts for Lasso_61:
(Start: 198 @54307 has 1 MA's), (Start: 215 @54283 has 328 MA's), (Start: 245 @54259 has 14 MA's), (Start: 258 @54253 has 2 MA's), (Start: 288 @54211 has 1 MA's), (300, 54190), (360, 54076), (363, 54070), (382, 54040), (418, 53980), (425, 53959), (442, 53905), (454, 53893), (464, 53875), (469, 53863), (511, 53758), (567, 53701), (590, 53665), (594, 53653), (605, 53626), (630, 53581), (666, 53524), (670, 53515), (671, 53512), (813, 53152), (820, 53119), (827, 53098), (856, 53005), (859, 52996), (881, 52933), (904, 52897), (905, 52894), (910, 52879), (939, 52801), (944, 52789), (950, 52768), (970, 52729), (1007, 52639), (1018, 52621), (1021, 52615), (1029, 52600), (1039, 52576), (1041, 52561), (1042, 52558), (1044, 52546), (1054, 52522), (1073, 52474), (1084, 52450),

Gene: LastNadiia_43 Start: 31301, Stop: 29520, Start Num: 245
Candidate Starts for LastNadiia_43:
(Start: 245 @31301 has 14 MA's), (278, 31262), (300, 31220), (467, 30938), (474, 30920), (509, 30851), (517, 30827), (562, 30797), (591, 30758), (594, 30749), (632, 30677), (647, 30650), (657, 30635), (692, 30572), (721, 30515), (734, 30491), (736, 30485), (755, 30449), (759, 30437), (774, 30413), (815, 30299), (819, 30278), (822, 30272), (835, 30227), (851, 30176), (856, 30152), (862, 30125), (875, 30086), (890, 30059), (920, 29975), (927, 29957), (932, 29942), (946, 29900), (948, 29894), (956, 29873), (979, 29819), (984, 29804), (999, 29777), (1008, 29738), (1026, 29708), (1037, 29681), (1041, 29660), (1042, 29657), (1045, 29639), (1054, 29624), (1093, 29531),

Gene: LastResort_46 Start: 29743, Stop: 27953, Start Num: 254
Candidate Starts for LastResort_46:
(Start: 254 @29743 has 935 MA's), (371, 29569), (426, 29464), (427, 29461), (436, 29434), (449, 29407), (474, 29356), (514, 29254), (591, 29161), (606, 29116), (609, 29113), (618, 29104), (708, 28942), (719, 28915), (732, 28894), (734, 28888), (788, 28789), (798, 28750), (813, 28699), (819, 28669), (836, 28618), (846, 28585), (853, 28552), (855, 28546), (862, 28516), (899, 28456), (904, 28435), (920, 28393), (930, 28366), (935, 28351), (971, 28264), (1003, 28201), (1004, 28198), (1060, 28042), (1065, 28030), (1073, 28018),

Gene: Lauer_41 Start: 35269, Stop: 32888, Start Num: 58
Candidate Starts for Lauer_41:
(Start: 58 @35269 has 15 MA's), (80, 35209), (99, 35167), (115, 35128), (150, 35038), (165, 35008), (176, 34987), (213, 34963), (270, 34885), (Start: 275 @34879 has 3 MA's), (Start: 277 @34876 has 1 MA's), (297, 34846), (323, 34798), (341, 34771), (Start: 342 @34768 has 5 MA's), (367, 34711), (379, 34687), (392, 34672), (406, 34651), (426, 34609), (434, 34585), (437, 34576), (438, 34570), (441, 34564), (459, 34531), (469, 34510), (476, 34489), (537, 34306), (569, 34231), (591, 34189), (668, 34102), (730, 34024), (733, 34018), (754, 33973), (755, 33970), (761, 33955), (773, 33934), (810, 33808), (823, 33760), (825, 33751), (836, 33721), (841, 33709), (862, 33616), (874, 33580), (876, 33574), (880, 33568), (883, 33562), (905, 33505), (912, 33481), (945, 33376), (946, 33373), (986, 33280), (991, 33262), (1004, 33223), (1013, 33181), (1027, 33157), (1039, 33127), (1050, 33079), (1053, 33070), (1058, 33055), (1072, 33010), (1099, 32944), (1108, 32923), (1109, 32917), (1113, 32911),

Gene: Laure_103 Start: 71511, Stop: 73079, Start Num: 418
Candidate Starts for Laure_103:
(Start: 265 @71280 has 10 MA's), (328, 71376), (418, 71511), (454, 71592), (467, 71619), (470, 71625), (504, 71694), (517, 71730), (599, 71823), (632, 71877), (647, 71904), (657, 71919), (686, 71973), (755, 72108), (761, 72123), (795, 72204), (803, 72237), (815, 72276), (819, 72297), (822, 72303), (827, 72318), (834, 72345), (846, 72387), (853, 72420), (874, 72504), (884, 72522), (903,

72570), (906, 72582), (920, 72618), (927, 72636), (932, 72651), (950, 72705), (958, 72723), (999, 72816), (1008, 72855), (1035, 72903), (1037, 72909), (1040, 72927), (1043, 72939), (1045, 72951), (1060, 72987),

Gene: Laurie_57 Start: 52312, Stop: 50483, Start Num: 215
Candidate Starts for Laurie_57:
(Start: 215 @52312 has 328 MA's), (Start: 258 @52285 has 2 MA's), (Start: 282 @52255 has 7 MA's), (Start: 288 @52243 has 1 MA's), (Start: 304 @52216 has 2 MA's), (305, 52213), (314, 52204), (338, 52186), (388, 52090), (418, 52039), (426, 52015), (496, 51853), (503, 51838), (506, 51829), (511, 51817), (567, 51760), (590, 51724), (594, 51712), (603, 51688), (648, 51610), (652, 51604), (658, 51595), (670, 51574), (671, 51571), (684, 51541), (753, 51397), (778, 51331), (796, 51280), (800, 51259), (806, 51241), (820, 51184), (844, 51127), (850, 51100), (856, 51070), (859, 51061), (879, 50995), (902, 50968), (904, 50959), (910, 50941), (920, 50917), (939, 50863), (944, 50851), (950, 50830), (985, 50761), (1007, 50701), (1018, 50683), (1035, 50650), (1039, 50638), (1041, 50623), (1042, 50620), (1044, 50608), (1054, 50584), (1055, 50581), (1073, 50533), (1075, 50530), (1084, 50509), (1091, 50488),

Gene: Leaf_95 Start: 58518, Stop: 60557, Start Num: 250
Candidate Starts for Leaf_95:
(Start: 250 @58518 has 5 MA's), (323, 58629), (326, 58632), (Start: 342 @58659 has 5 MA's), (364, 58716), (379, 58752), (401, 58791), (427, 58845), (431, 58857), (434, 58866), (448, 58902), (472, 58962), (477, 58977), (483, 58989), (497, 59034), (509, 59064), (544, 59178), (591, 59271), (592, 59274), (595, 59283), (601, 59301), (683, 59409), (714, 59463), (719, 59475), (745, 59541), (772, 59610), (830, 59763), (855, 59847), (862, 59877), (911, 60009), (912, 60012), (921, 60048), (933, 60081), (946, 60120), (1004, 60270), (1007, 60294), (1009, 60300), (1015, 60315), (1030, 60345), (1051, 60423), (1058, 60444), (1065, 60474), (1081, 60516), (1098, 60552),

Gene: Leafus_38 Start: 29199, Stop: 27334, Start Num: 339
Candidate Starts for Leafus_38:
(Start: 339 @29199 has 121 MA's), (Start: 342 @29190 has 5 MA's), (471, 28926), (476, 28911), (478, 28905), (525, 28773), (540, 28719), (582, 28632), (588, 28623), (591, 28611), (600, 28584), (601, 28581), (612, 28566), (634, 28560), (680, 28479), (749, 28332), (789, 28230), (855, 28017), (858, 28008), (859, 28005), (862, 27987), (876, 27945), (897, 27915), (912, 27858), (970, 27699), (982, 27669), (1004, 27600), (1007, 27576), (1025, 27537), (1040, 27492),

Gene: LeeLot_61 Start: 54638, Stop: 52779, Start Num: 215
Candidate Starts for LeeLot_61:
(Start: 198 @54662 has 1 MA's), (Start: 215 @54638 has 328 MA's), (Start: 245 @54614 has 14 MA's), (Start: 258 @54608 has 2 MA's), (Start: 288 @54566 has 1 MA's), (300, 54545), (360, 54431), (363, 54425), (382, 54395), (418, 54335), (425, 54314), (442, 54260), (454, 54248), (464, 54230), (469, 54218), (511, 54113), (567, 54056), (590, 54020), (594, 54008), (605, 53981), (630, 53936), (666, 53879), (670, 53870), (671, 53867), (813, 53507), (820, 53474), (827, 53453), (856, 53360), (859, 53351), (881, 53288), (904, 53252), (905, 53249), (910, 53234), (939, 53156), (944, 53144), (950, 53123), (970, 53084), (1007, 52994), (1018, 52976), (1021, 52970), (1029, 52955), (1039, 52931), (1041, 52916), (1042, 52913), (1044, 52901), (1054, 52877), (1073, 52829), (1084, 52805),

Gene: LeeroyJenkins_68 Start: 39223, Stop: 37388, Start Num: 322
Candidate Starts for LeeroyJenkins_68:
(306, 39238), (Start: 322 @39223 has 13 MA's), (334, 39208), (373, 39139), (415, 39079), (425, 39052), (426, 39049), (436, 39016), (439, 39004), (445, 38995), (446, 38986), (520, 38821), (526, 38803), (553, 38752), (554, 38743), (570, 38704), (581, 38683), (596, 38644), (612, 38611), (619, 38599), (623, 38593), (645, 38557), (667, 38524), (682, 38491), (700, 38464), (767, 38317), (793, 38260), (822, 38155), (833, 38107), (847, 38068), (850, 38059), (903, 37864), (918, 37837), (923,

37825), (942, 37813), (960, 37774), (980, 37726), (989, 37702), (1012, 37618), (1029, 37588), (1037, 37570), (1039, 37564), (1041, 37549), (1048, 37525), (1054, 37513), (1058, 37501), (1060, 37492), (1064, 37483), (1076, 37462), (1086, 37438), (1090, 37423),

Gene: Lego_41 Start: 29589, Stop: 31454, Start Num: 254
Candidate Starts for Lego_41:
(Start: 254 @29589 has 935 MA's), (Start: 288 @29637 has 1 MA's), (436, 29886), (479, 29976), (593, 30183), (596, 30192), (641, 30282), (647, 30291), (657, 30306), (681, 30351), (708, 30396), (732, 30444), (759, 30501), (788, 30582), (812, 30669), (819, 30702), (830, 30732), (847, 30789), (862, 30855), (903, 30948), (929, 31020), (971, 31128), (1003, 31191), (1007, 31215), (1053, 31326), (1060, 31350), (1064, 31359),

Gene: Lego3393_59 Start: 54589, Stop: 52730, Start Num: 215
Candidate Starts for Lego3393_59:
(Start: 198 @54613 has 1 MA's), (Start: 215 @54589 has 328 MA's), (Start: 245 @54565 has 14 MA's), (Start: 258 @54559 has 2 MA's), (Start: 288 @54517 has 1 MA's), (300, 54496), (360, 54382), (363, 54376), (382, 54346), (418, 54286), (425, 54265), (442, 54211), (454, 54199), (464, 54181), (469, 54169), (511, 54064), (567, 54007), (590, 53971), (594, 53959), (605, 53932), (620, 53905), (630, 53887), (641, 53869), (666, 53830), (670, 53821), (671, 53818), (813, 53458), (820, 53425), (827, 53404), (856, 53311), (859, 53302), (881, 53239), (904, 53203), (905, 53200), (910, 53185), (939, 53107), (944, 53095), (950, 53074), (970, 53035), (1007, 52945), (1018, 52927), (1021, 52921), (1029, 52906), (1039, 52882), (1041, 52867), (1042, 52864), (1044, 52852), (1054, 52828), (1073, 52780), (1084, 52756),

Gene: Legolas_62 Start: 54377, Stop: 52518, Start Num: 215
Candidate Starts for Legolas_62:
(Start: 198 @54401 has 1 MA's), (Start: 215 @54377 has 328 MA's), (Start: 245 @54353 has 14 MA's), (Start: 258 @54347 has 2 MA's), (Start: 288 @54305 has 1 MA's), (300, 54284), (360, 54170), (363, 54164), (382, 54134), (418, 54074), (425, 54053), (442, 53999), (454, 53987), (464, 53969), (469, 53957), (511, 53852), (567, 53795), (590, 53759), (594, 53747), (605, 53720), (630, 53675), (666, 53618), (670, 53609), (671, 53606), (813, 53246), (820, 53213), (827, 53192), (856, 53099), (859, 53090), (881, 53027), (904, 52991), (905, 52988), (910, 52973), (939, 52895), (944, 52883), (950, 52862), (970, 52823), (1007, 52733), (1018, 52715), (1021, 52709), (1029, 52694), (1039, 52670), (1041, 52655), (1042, 52652), (1044, 52640), (1054, 52616), (1073, 52568), (1084, 52544),

Gene: Lehmann_62 Start: 54149, Stop: 52290, Start Num: 215
Candidate Starts for Lehmann_62:
(Start: 198 @54173 has 1 MA's), (Start: 215 @54149 has 328 MA's), (Start: 245 @54125 has 14 MA's), (Start: 258 @54119 has 2 MA's), (Start: 288 @54077 has 1 MA's), (300, 54056), (360, 53942), (363, 53936), (382, 53906), (418, 53846), (425, 53825), (442, 53771), (454, 53759), (469, 53729), (511, 53624), (567, 53567), (590, 53531), (594, 53519), (605, 53492), (609, 53483), (630, 53447), (641, 53429), (666, 53390), (670, 53381), (671, 53378), (813, 53018), (820, 52985), (827, 52964), (856, 52871), (859, 52862), (881, 52799), (904, 52763), (905, 52760), (910, 52745), (939, 52667), (944, 52655), (950, 52634), (970, 52595), (1007, 52505), (1018, 52487), (1021, 52481), (1029, 52466), (1039, 52442), (1041, 52427), (1042, 52424), (1044, 52412), (1054, 52388), (1073, 52340), (1084, 52316),

Gene: LeiMonet_63 Start: 54494, Stop: 52635, Start Num: 215
Candidate Starts for LeiMonet_63:
(Start: 198 @54518 has 1 MA's), (Start: 215 @54494 has 328 MA's), (Start: 245 @54470 has 14 MA's), (Start: 258 @54464 has 2 MA's), (Start: 288 @54422 has 1 MA's), (300, 54401), (360, 54287), (363, 54281), (382, 54251), (418, 54191), (425, 54170), (442, 54116), (454, 54104), (464, 54086), (469, 54074), (511, 53969), (567, 53912), (590, 53876), (594, 53864), (603, 53840), (609, 53828),

(620, 53810), (630, 53792), (641, 53774), (666, 53735), (670, 53726), (671, 53723), (673, 53720), (813, 53363), (820, 53330), (827, 53309), (856, 53216), (859, 53207), (881, 53144), (904, 53108), (905, 53105), (910, 53090), (939, 53012), (944, 53000), (950, 52979), (970, 52940), (1007, 52850), (1018, 52832), (1021, 52826), (1029, 52811), (1039, 52787), (1041, 52772), (1042, 52769), (1044, 52757), (1054, 52733), (1073, 52685), (1084, 52661),

Gene: LemonSlice_61 Start: 53968, Stop: 52109, Start Num: 215
Candidate Starts for LemonSlice_61:
(Start: 198 @53992 has 1 MA's), (Start: 215 @53968 has 328 MA's), (Start: 245 @53944 has 14 MA's), (Start: 258 @53938 has 2 MA's), (Start: 288 @53896 has 1 MA's), (300, 53875), (360, 53761), (363, 53755), (382, 53725), (418, 53665), (425, 53644), (442, 53590), (454, 53578), (464, 53560), (469, 53548), (511, 53443), (567, 53386), (590, 53350), (594, 53338), (605, 53311), (620, 53284), (630, 53266), (641, 53248), (666, 53209), (670, 53200), (671, 53197), (783, 52939), (813, 52837), (820, 52804), (827, 52783), (856, 52690), (859, 52681), (881, 52618), (904, 52582), (905, 52579), (910, 52564), (939, 52486), (944, 52474), (950, 52453), (970, 52414), (1007, 52324), (1018, 52306), (1021, 52300), (1029, 52285), (1039, 52261), (1041, 52246), (1042, 52243), (1044, 52231), (1054, 52207), (1073, 52159), (1084, 52135),

Gene: Lemur_45 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for Lemur_45:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: LeoAvram_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for LeoAvram_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: LeoJr_98 Start: 78660, Stop: 80378, Start Num: 315
Candidate Starts for LeoJr_98:
(Start: 265 @78585 has 10 MA's), (Start: 299 @78639 has 1 MA's), (Start: 304 @78648 has 2 MA's), (315, 78660), (438, 78879), (454, 78897), (467, 78924), (470, 78930), (517, 79035), (632, 79182), (647, 79209), (657, 79224), (686, 79278), (787, 79479), (795, 79506), (803, 79539), (815, 79578), (819, 79599), (822, 79605), (853, 79722), (874, 79806), (875, 79809), (903, 79872), (906, 79884), (920, 79920), (932, 79953), (950, 80007), (958, 80025), (1003, 80130), (1008, 80157), (1018, 80172), (1035, 80205), (1037, 80211), (1040, 80229), (1043, 80241), (1045, 80253), (1048, 80256), (1060, 80289), (1085, 80340),

Gene: Leogania_44 Start: 32411, Stop: 30624, Start Num: 254
Candidate Starts for Leogania_44:
(Start: 254 @32411 has 935 MA's), (388, 32204), (391, 32198), (402, 32183), (413, 32168), (436, 32105), (449, 32078), (463, 32057), (514, 31925), (591, 31832), (618, 31775), (626, 31760), (666, 31694), (708, 31613), (732, 31565), (734, 31559), (798, 31421), (819, 31340), (836, 31289), (846, 31256), (847, 31253), (850, 31244), (855, 31217), (862, 31187), (875, 31148), (899, 31127), (904, 31106), (985, 30908), (1003, 30872), (1007, 30848), (1037, 30791), (1041, 30770), (1060, 30713), (1065, 30701), (1071, 30692),

Gene: Lephleur_57 Start: 52497, Stop: 50668, Start Num: 215
Candidate Starts for Lephleur_57:
(Start: 215 @52497 has 328 MA's), (Start: 258 @52470 has 2 MA's), (Start: 282 @52440 has 7 MA's), (Start: 288 @52428 has 1 MA's), (Start: 304 @52401 has 2 MA's), (305, 52398), (314, 52389), (338, 52371), (388, 52275), (418, 52224), (426, 52200), (433, 52176), (496, 52038), (506, 52014), (511, 52002), (567, 51945), (590, 51909), (594, 51897), (603, 51873), (652, 51789), (670, 51759), (671, 51756), (684, 51726), (753, 51582), (778, 51516), (792, 51477), (796, 51465), (800, 51444), (806, 51426), (820, 51369), (850, 51285), (856, 51255), (859, 51246), (879, 51180), (902, 51153), (904, 51144), (910, 51126), (920, 51102), (939, 51048), (944, 51036), (950, 51015), (985, 50946), (1007, 50886), (1018, 50868), (1035, 50835), (1039, 50823), (1041, 50808), (1042, 50805), (1044, 50793), (1054, 50769), (1055, 50766), (1073, 50718), (1075, 50715), (1084, 50694), (1091, 50673),

Gene: Lesedi_42 Start: 33941, Stop: 32115, Start Num: 254
Candidate Starts for Lesedi_42:
(Start: 254 @33941 has 935 MA's), (391, 33728), (426, 33665), (436, 33635), (443, 33614), (449, 33608), (455, 33599), (504, 33482), (514, 33455), (591, 33362), (596, 33347), (609, 33314), (639, 33263), (641, 33260), (680, 33194), (701, 33164), (711, 33134), (734, 33089), (755, 33050), (819, 32870), (834, 32822), (847, 32783), (862, 32717), (875, 32678), (899, 32657), (904, 32636), (910, 32618), (935, 32552), (1003, 32402), (1004, 32399), (1012, 32363), (1029, 32339), (1034, 32330), (1038, 32318), (1060, 32243), (1071, 32222),

Gene: LestyG_57 Start: 53332, Stop: 51515, Start Num: 256
Candidate Starts for LestyG_57:
(65, 53716), (137, 53515), (Start: 256 @53332 has 51 MA's), (280, 53302), (391, 53122), (463, 52969), (467, 52957), (481, 52927), (489, 52921), (511, 52858), (513, 52852), (567, 52801), (590, 52765), (609, 52717), (671, 52612), (718, 52516), (747, 52465), (796, 52321), (806, 52282), (814, 52252), (820, 52225), (824, 52213), (854, 52117), (856, 52111), (859, 52102), (861, 52090), (893, 52018), (904, 51988), (910, 51970), (915, 51961), (939, 51892), (944, 51880), (950, 51859), (985, 51790), (996, 51775), (1004, 51751), (1007, 51730), (1021, 51706), (1039, 51667), (1042, 51649), (1044, 51637), (1050, 51625), (1054, 51613), (1070, 51571), (1084, 51541),

Gene: Lev2_38 Start: 30259, Stop: 28415, Start Num: 254
Candidate Starts for Lev2_38:
(Start: 254 @30259 has 935 MA's), (289, 30208), (334, 30148), (371, 30085), (386, 30055), (388, 30052), (422, 29995), (426, 29983), (436, 29953), (449, 29926), (494, 29824), (501, 29809), (514, 29773), (571, 29713), (591, 29677), (609, 29629), (659, 29545), (666, 29539), (706, 29467), (719, 29434), (727, 29419), (734, 29407), (783, 29308), (819, 29173), (830, 29143), (834, 29125), (836, 29122), (847, 29086), (850, 29077), (853, 29056), (856, 29047), (862, 29020), (863, 29017), (899, 28960), (904, 28939), (946, 28822), (971, 28768), (975, 28759), (985, 28741), (1018, 28663), (1040, 28606), (1053, 28570), (1060, 28546), (1065, 28534),

Gene: Levia_42 Start: 34436, Stop: 32610, Start Num: 254
Candidate Starts for Levia_42:
(Start: 254 @34436 has 935 MA's), (391, 34223), (400, 34208), (426, 34160), (436, 34130), (443, 34109), (449, 34103), (455, 34094), (504, 33977), (514, 33950), (591, 33857), (596, 33842), (603, 33821), (639, 33758), (641, 33755), (680, 33689), (701, 33659), (711, 33629), (734, 33584), (755, 33545), (819, 33365), (830, 33335), (834, 33317), (847, 33278), (862, 33212), (904, 33131), (905, 33128), (935, 33047), (1003, 32897), (1004, 32894), (1012, 32858), (1029, 32834), (1034, 32825), (1038, 32813), (1060, 32738), (1071, 32717),

Gene: Leviathan_46 Start: 31790, Stop: 30003, Start Num: 254
Candidate Starts for Leviathan_46:

(Start: 178 @31877 has 1 MA's), (Start: 254 @31790 has 935 MA's), (388, 31583), (391, 31577), (402, 31562), (413, 31547), (427, 31511), (436, 31484), (449, 31457), (463, 31436), (514, 31304), (591, 31211), (609, 31163), (618, 31154), (626, 31139), (666, 31073), (708, 30992), (732, 30944), (734, 30938), (819, 30719), (836, 30668), (846, 30635), (847, 30632), (862, 30566), (875, 30527), (899, 30506), (925, 30431), (929, 30419), (946, 30368), (975, 30305), (985, 30287), (1003, 30251), (1007, 30227), (1041, 30149), (1060, 30092), (1065, 30080), (1071, 30071),

Gene: Librie_37 Start: 26990, Stop: 25125, Start Num: 337
Candidate Starts for Librie_37:
(Start: 337 @26990 has 44 MA's), (341, 26984), (387, 26885), (392, 26876), (408, 26852), (418, 26837), (420, 26831), (438, 26780), (441, 26777), (478, 26696), (531, 26546), (533, 26543), (569, 26444), (587, 26417), (588, 26414), (591, 26402), (601, 26372), (634, 26351), (654, 26315), (731, 26168), (774, 26066), (798, 25988), (855, 25808), (862, 25778), (883, 25724), (895, 25706), (912, 25649), (918, 25622), (933, 25580), (946, 25541), (982, 25460), (985, 25451), (1004, 25391), (1007, 25367), (1011, 25355), (1015, 25346), (1025, 25328), (1039, 25295), (1058, 25223),

Gene: Licorice_48 Start: 36210, Stop: 34423, Start Num: 254
Candidate Starts for Licorice_48:
(Start: 254 @36210 has 935 MA's), (391, 35997), (400, 35982), (436, 35904), (443, 35883), (449, 35877), (455, 35868), (504, 35751), (514, 35724), (591, 35631), (596, 35616), (609, 35583), (639, 35532), (641, 35529), (675, 35475), (680, 35463), (701, 35433), (711, 35403), (734, 35358), (755, 35319), (819, 35139), (834, 35091), (847, 35052), (862, 34986), (902, 34914), (904, 34905), (935, 34821), (971, 34734), (1029, 34608), (1035, 34596), (1060, 34512), (1063, 34506),

Gene: Liebe_42 Start: 31253, Stop: 33223, Start Num: 161
Candidate Starts for Liebe_42:
(Start: 161 @31253 has 1 MA's), (164, 31256), (Start: 254 @31379 has 935 MA's), (436, 31676), (593, 31952), (642, 32054), (657, 32075), (732, 32213), (762, 32276), (819, 32471), (822, 32477), (830, 32501), (847, 32558), (860, 32615), (862, 32624), (910, 32741), (929, 32789), (999, 32948), (1003, 32960), (1037, 33041), (1060, 33119), (1081, 33164),

Gene: Lifes_61 Start: 36067, Stop: 34232, Start Num: 322
Candidate Starts for Lifes_61:
(306, 36082), (Start: 322 @36067 has 13 MA's), (334, 36052), (373, 35983), (415, 35923), (425, 35896), (426, 35893), (436, 35860), (439, 35848), (445, 35839), (446, 35830), (520, 35665), (522, 35659), (562, 35566), (581, 35527), (596, 35488), (612, 35455), (619, 35443), (623, 35437), (645, 35401), (649, 35395), (667, 35368), (682, 35335), (700, 35308), (767, 35161), (793, 35104), (822, 34999), (833, 34951), (847, 34912), (850, 34903), (903, 34708), (918, 34681), (923, 34669), (942, 34657), (960, 34618), (980, 34570), (989, 34546), (1012, 34462), (1029, 34432), (1037, 34414), (1039, 34408), (1041, 34393), (1048, 34369), (1054, 34357), (1058, 34345), (1060, 34336), (1064, 34327), (1076, 34306), (1086, 34282), (1090, 34267),

Gene: Ligma_51 Start: 45981, Stop: 44164, Start Num: 251
Candidate Starts for Ligma_51:
(76, 46302), (87, 46278), (Start: 251 @45981 has 15 MA's), (280, 45945), (Start: 288 @45930 has 1 MA's), (305, 45900), (378, 45774), (437, 45651), (442, 45636), (469, 45594), (511, 45498), (590, 45405), (658, 45276), (671, 45252), (800, 44940), (806, 44922), (820, 44865), (856, 44751), (859, 44742), (881, 44679), (905, 44640), (910, 44625), (939, 44547), (944, 44535), (950, 44514), (953, 44505), (1000, 44418), (1008, 44382), (1012, 44370), (1036, 44331), (1039, 44322), (1041, 44307), (1054, 44262), (1084, 44190),

Gene: LilBib_45 Start: 35268, Stop: 33442, Start Num: 254
Candidate Starts for LilBib_45:

(Start: 254 @35268 has 935 MA's), (391, 35055), (400, 35040), (426, 34992), (436, 34962), (443, 34941), (449, 34935), (455, 34926), (504, 34809), (514, 34782), (591, 34689), (596, 34674), (609, 34641), (639, 34590), (641, 34587), (680, 34521), (701, 34491), (711, 34461), (734, 34416), (755, 34377), (819, 34197), (834, 34149), (850, 34101), (859, 34062), (862, 34044), (875, 34005), (899, 33984), (904, 33963), (909, 33948), (953, 33825), (1012, 33690), (1029, 33666), (1034, 33657), (1038, 33645), (1060, 33570), (1071, 33549),

Gene: LilMcDreamy_55 Start: 53828, Stop: 51987, Start Num: 208
Candidate Starts for LilMcDreamy_55:
(Start: 208 @53828 has 32 MA's), (Start: 258 @53786 has 2 MA's), (280, 53759), (388, 53591), (425, 53519), (433, 53492), (463, 53441), (487, 53396), (489, 53393), (498, 53360), (503, 53351), (511, 53330), (590, 53237), (594, 53225), (609, 53189), (641, 53135), (652, 53117), (666, 53096), (670, 53087), (671, 53084), (719, 52985), (747, 52937), (796, 52793), (806, 52754), (820, 52697), (827, 52676), (840, 52646), (856, 52583), (859, 52574), (863, 52553), (893, 52490), (904, 52460), (910, 52442), (939, 52364), (944, 52352), (950, 52331), (953, 52322), (1007, 52202), (1039, 52139), (1040, 52127), (1050, 52097), (1054, 52085), (1070, 52043), (1084, 52013),

Gene: LilSmirk_57 Start: 52488, Stop: 50659, Start Num: 215
Candidate Starts for LilSmirk_57:
(Start: 215 @52488 has 328 MA's), (Start: 258 @52461 has 2 MA's), (Start: 282 @52431 has 7 MA's), (Start: 288 @52419 has 1 MA's), (Start: 304 @52392 has 2 MA's), (305, 52389), (314, 52380), (338, 52362), (388, 52266), (418, 52215), (426, 52191), (496, 52029), (506, 52005), (511, 51993), (567, 51936), (590, 51900), (594, 51888), (603, 51864), (652, 51780), (670, 51750), (671, 51747), (684, 51717), (753, 51573), (778, 51507), (796, 51456), (800, 51435), (806, 51417), (820, 51360), (844, 51303), (850, 51276), (856, 51246), (859, 51237), (879, 51171), (902, 51144), (904, 51135), (910, 51117), (920, 51093), (939, 51039), (944, 51027), (950, 51006), (985, 50937), (1007, 50877), (1018, 50859), (1035, 50826), (1039, 50814), (1041, 50799), (1042, 50796), (1044, 50784), (1054, 50760), (1055, 50757), (1073, 50709), (1075, 50706), (1084, 50685), (1091, 50664),

Gene: LilTerminator_37 Start: 27012, Stop: 25147, Start Num: 337
Candidate Starts for LilTerminator_37:
(Start: 337 @27012 has 44 MA's), (341, 27006), (387, 26907), (392, 26898), (408, 26874), (418, 26859), (420, 26853), (438, 26802), (441, 26799), (478, 26718), (531, 26568), (533, 26565), (569, 26466), (587, 26439), (588, 26436), (591, 26424), (601, 26394), (634, 26373), (654, 26337), (731, 26190), (757, 26121), (796, 26022), (798, 26010), (855, 25830), (862, 25800), (883, 25746), (895, 25728), (912, 25671), (918, 25644), (933, 25602), (982, 25482), (985, 25473), (1004, 25413), (1007, 25389), (1011, 25377), (1015, 25368), (1025, 25350), (1039, 25317), (1058, 25245),

Gene: LilTurb_45 Start: 31623, Stop: 29836, Start Num: 254
Candidate Starts for LilTurb_45:
(Start: 254 @31623 has 935 MA's), (388, 31416), (391, 31410), (402, 31395), (413, 31380), (427, 31344), (436, 31317), (449, 31290), (463, 31269), (514, 31137), (591, 31044), (609, 30996), (618, 30987), (626, 30972), (666, 30906), (708, 30825), (732, 30777), (734, 30771), (767, 30708), (819, 30552), (836, 30501), (846, 30468), (847, 30465), (862, 30399), (875, 30360), (899, 30339), (925, 30264), (929, 30252), (946, 30201), (975, 30138), (985, 30120), (1003, 30084), (1007, 30060), (1041, 29982), (1060, 29925), (1065, 29913), (1071, 29904),

Gene: Lilbooboo_34 Start: 26910, Stop: 28784, Start Num: 254
Candidate Starts for Lilbooboo_34:
(Start: 254 @26910 has 935 MA's), (271, 26931), (280, 26943), (305, 26991), (386, 27111), (436, 27213), (437, 27216), (443, 27234), (455, 27249), (501, 27357), (516, 27399), (618, 27546), (625, 27558), (639, 27588), (647, 27600), (658, 27618), (679, 27654), (719, 27732), (726, 27744), (732, 27753), (759, 27810), (761, 27813), (804, 27951), (813, 27981), (819, 28011), (834, 28062), (847,

28104), (853, 28134), (855, 28140), (856, 28143), (859, 28152), (860, 28161), (862, 28170), (874, 28236), (902, 28290), (943, 28404), (971, 28473), (996, 28515), (1000, 28527), (1012, 28575), (1021, 28584), (1035, 28611), (1037, 28617), (1041, 28638), (1060, 28695), (1063, 28701), (1071, 28716),

Gene: Lilbunny_44 Start: 29422, Stop: 27581, Start Num: 254
Candidate Starts for Lilbunny_44:
(Start: 229 @29452 has 1 MA's), (Start: 254 @29422 has 935 MA's), (386, 29218), (426, 29143), (427, 29140), (436, 29113), (441, 29098), (449, 29086), (474, 29035), (510, 28945), (514, 28933), (591, 28840), (605, 28801), (618, 28783), (626, 28768), (666, 28702), (681, 28669), (683, 28666), (735, 28564), (767, 28504), (798, 28420), (819, 28339), (846, 28255), (847, 28252), (850, 28243), (855, 28216), (862, 28186), (899, 28126), (910, 28087), (1003, 27871), (1004, 27868), (1007, 27847), (1060, 27712), (1065, 27700), (1071, 27691), (1073, 27688), (1111, 27595),

Gene: Lilith_49 Start: 31846, Stop: 30032, Start Num: 254
Candidate Starts for Lilith_49:
(Start: 254 @31846 has 935 MA's), (284, 31807), (289, 31795), (386, 31642), (395, 31627), (426, 31570), (449, 31513), (455, 31504), (474, 31462), (494, 31411), (514, 31360), (591, 31267), (609, 31219), (618, 31210), (626, 31195), (647, 31156), (666, 31129), (680, 31099), (727, 31006), (734, 30994), (758, 30946), (767, 30931), (819, 30775), (847, 30688), (862, 30622), (875, 30583), (905, 30511), (920, 30472), (929, 30448), (935, 30430), (946, 30397), (956, 30370), (985, 30316), (1007, 30256), (1041, 30178), (1060, 30121), (1065, 30109), (1071, 30100),

Gene: Lilleskat_43 Start: 31443, Stop: 29650, Start Num: 254
Candidate Starts for Lilleskat_43:
(Start: 254 @31443 has 935 MA's), (261, 31434), (289, 31392), (369, 31272), (371, 31269), (396, 31221), (427, 31161), (437, 31131), (441, 31119), (449, 31107), (514, 30954), (591, 30861), (666, 30723), (680, 30693), (759, 30534), (767, 30522), (785, 30495), (815, 30387), (819, 30366), (859, 30231), (862, 30213), (904, 30132), (920, 30090), (946, 30015), (953, 29994), (983, 29940), (1003, 29898), (1041, 29796), (1060, 29739), (1065, 29727), (1071, 29718),

Gene: Lillie_36 Start: 28113, Stop: 26329, Start Num: 254
Candidate Starts for Lillie_36:
(Start: 254 @28113 has 935 MA's), (407, 27879), (422, 27849), (425, 27840), (426, 27837), (441, 27792), (449, 27780), (474, 27729), (514, 27627), (548, 27606), (591, 27534), (606, 27489), (609, 27486), (636, 27444), (638, 27438), (647, 27423), (666, 27396), (719, 27291), (725, 27282), (734, 27264), (735, 27261), (755, 27225), (819, 27045), (834, 26997), (862, 26892), (863, 26889), (899, 26832), (904, 26811), (923, 26763), (948, 26688), (983, 26619), (1003, 26577), (1007, 26553), (1041, 26475), (1060, 26418), (1065, 26406), (1071, 26397), (1085, 26367), (1091, 26349),

Gene: Lilo27_43 Start: 29479, Stop: 31353, Start Num: 241
Candidate Starts for Lilo27_43:
(Start: 238 @29476 has 7 MA's), (Start: 241 @29479 has 65 MA's), (Start: 299 @29548 has 1 MA's), (315, 29569), (426, 29749), (455, 29815), (474, 29857), (647, 30151), (719, 30286), (766, 30385), (804, 30508), (819, 30568), (822, 30574), (836, 30619), (845, 30649), (853, 30685), (862, 30721), (903, 30814), (936, 30907), (967, 30985), (1003, 31057), (1012, 31096), (1037, 31138), (1040, 31156), (1060, 31216), (1071, 31237),

Gene: LimaBean_42 Start: 29163, Stop: 31037, Start Num: 241
Candidate Starts for LimaBean_42:
(Start: 238 @29160 has 7 MA's), (Start: 241 @29163 has 65 MA's), (Start: 299 @29232 has 1 MA's), (315, 29253), (455, 29499), (474, 29541), (647, 29835), (766, 30069), (804, 30192), (819, 30252), (822, 30258), (836, 30303), (843, 30318), (845, 30333), (853, 30369), (862, 30405), (903, 30498), (936, 30591), (967, 30669), (1003, 30741), (1004, 30744), (1012, 30780), (1037, 30822), (1040,

30840), (1053, 30876), (1060, 30900), (1071, 30921),

Gene: LionsBait_46 Start: 32821, Stop: 31028, Start Num: 254
Candidate Starts for LionsBait_46:
(Start: 254 @32821 has 935 MA's), (388, 32614), (391, 32608), (402, 32593), (413, 32578), (427, 32542), (436, 32515), (449, 32488), (463, 32467), (514, 32335), (591, 32242), (609, 32194), (618, 32185), (626, 32170), (708, 32023), (732, 31975), (734, 31969), (755, 31930), (819, 31750), (830, 31720), (836, 31693), (846, 31660), (847, 31657), (862, 31591), (875, 31552), (899, 31531), (902, 31519), (904, 31510), (908, 31498), (946, 31393), (983, 31318), (985, 31312), (1003, 31276), (1007, 31252), (1041, 31174), (1060, 31117), (1065, 31105), (1071, 31096),

Gene: LisoBros_41 Start: 32535, Stop: 34400, Start Num: 254
Candidate Starts for LisoBros_41:
(Start: 254 @32535 has 935 MA's), (371, 32709), (427, 32805), (436, 32832), (455, 32868), (463, 32880), (501, 32976), (641, 33228), (647, 33237), (657, 33252), (658, 33255), (708, 33342), (732, 33390), (819, 33648), (827, 33669), (836, 33699), (841, 33711), (853, 33765), (862, 33801), (882, 33852), (884, 33855), (943, 34005), (1004, 34140), (1007, 34161), (1018, 34179), (1021, 34185), (1037, 34218), (1060, 34296), (1075, 34323),

Gene: LittleB_45 Start: 31571, Stop: 29745, Start Num: 254
Candidate Starts for LittleB_45:
(Start: 254 @31571 has 935 MA's), (271, 31550), (289, 31520), (305, 31490), (413, 31328), (421, 31310), (449, 31238), (455, 31229), (505, 31109), (514, 31085), (591, 30992), (611, 30944), (626, 30923), (647, 30884), (719, 30752), (732, 30731), (755, 30686), (759, 30674), (815, 30521), (819, 30500), (855, 30377), (862, 30347), (875, 30308), (904, 30242), (905, 30239), (910, 30224), (920, 30200), (929, 30176), (1007, 29969), (1060, 29834), (1065, 29822), (1071, 29813),

Gene: LittleCherry_39 Start: 30596, Stop: 28731, Start Num: 254
Candidate Starts for LittleCherry_39:
(Start: 254 @30596 has 935 MA's), (289, 30545), (334, 30485), (371, 30422), (386, 30392), (388, 30389), (422, 30332), (426, 30320), (436, 30290), (449, 30263), (514, 30110), (591, 30014), (609, 29966), (659, 29882), (666, 29876), (706, 29804), (719, 29771), (727, 29756), (734, 29744), (783, 29645), (819, 29510), (830, 29480), (834, 29462), (843, 29444), (847, 29423), (850, 29414), (862, 29357), (875, 29318), (904, 29276), (910, 29258), (929, 29210), (946, 29159), (971, 29105), (975, 29096), (985, 29078), (1007, 29018), (1018, 29000), (1053, 28907), (1060, 28883), (1065, 28871), (1111, 28766),

Gene: LittleDigger_52 Start: 53011, Stop: 51188, Start Num: 208
Candidate Starts for LittleDigger_52:
(Start: 190 @53029 has 4 MA's), (Start: 208 @53011 has 32 MA's), (Start: 258 @52987 has 2 MA's), (280, 52960), (Start: 288 @52945 has 1 MA's), (300, 52924), (353, 52837), (415, 52732), (430, 52690), (464, 52624), (477, 52594), (481, 52585), (487, 52582), (489, 52579), (567, 52459), (582, 52441), (590, 52423), (594, 52411), (599, 52396), (605, 52384), (670, 52273), (671, 52270), (684, 52240), (706, 52204), (796, 51979), (797, 51976), (806, 51940), (813, 51916), (820, 51883), (854, 51775), (856, 51769), (859, 51760), (904, 51661), (905, 51658), (910, 51643), (939, 51565), (944, 51553), (950, 51532), (953, 51523), (970, 51493), (985, 51463), (1000, 51436), (1007, 51403), (1018, 51385), (1021, 51379), (1039, 51340), (1042, 51322), (1044, 51310), (1054, 51286), (1070, 51244), (1073, 51238), (1084, 51214),

Gene: LittleGuy_45 Start: 31466, Stop: 29640, Start Num: 254
Candidate Starts for LittleGuy_45:
(Start: 254 @31466 has 935 MA's), (271, 31445), (289, 31415), (305, 31385), (413, 31223), (421, 31205), (449, 31133), (455, 31124), (505, 31004), (514, 30980), (591, 30887), (611, 30839), (626,

30818), (647, 30779), (719, 30647), (732, 30626), (755, 30581), (759, 30569), (815, 30416), (819, 30395), (855, 30272), (862, 30242), (875, 30203), (904, 30137), (905, 30134), (910, 30119), (920, 30095), (929, 30071), (1007, 29864), (1060, 29729), (1065, 29717), (1071, 29708),

Gene: LittleMinkey_63 Start: 54222, Stop: 52378, Start Num: 236
Candidate Starts for LittleMinkey_63:
(Start: 236 @54222 has 5 MA's), (Start: 288 @54165 has 1 MA's), (Start: 304 @54138 has 2 MA's), (363, 54036), (418, 53949), (435, 53895), (442, 53874), (463, 53850), (469, 53835), (511, 53730), (590, 53637), (594, 53625), (609, 53589), (671, 53484), (747, 53337), (775, 53253), (777, 53247), (796, 53187), (797, 53184), (806, 53148), (813, 53124), (820, 53091), (854, 52983), (856, 52977), (859, 52968), (896, 52884), (904, 52854), (910, 52836), (939, 52758), (944, 52746), (950, 52725), (985, 52656), (996, 52641), (1007, 52596), (1021, 52572), (1039, 52533), (1041, 52518), (1044, 52503), (1054, 52479), (1070, 52434), (1073, 52428), (1084, 52404),

Gene: LittleMunchkin_52 Start: 48656, Stop: 46845, Start Num: 245
Candidate Starts for LittleMunchkin_52:
(Start: 245 @48656 has 14 MA's), (287, 48608), (Start: 288 @48605 has 1 MA's), (300, 48584), (305, 48575), (382, 48446), (433, 48338), (437, 48326), (463, 48287), (469, 48272), (503, 48197), (511, 48176), (590, 48083), (654, 47960), (671, 47930), (796, 47639), (820, 47543), (854, 47438), (856, 47432), (859, 47423), (881, 47360), (902, 47333), (910, 47306), (917, 47291), (920, 47282), (939, 47228), (944, 47216), (950, 47195), (996, 47111), (1000, 47099), (1008, 47063), (1039, 47003), (1041, 46988), (1054, 46943), (1073, 46895), (1084, 46871),

Gene: LizLemon_57 Start: 52610, Stop: 50781, Start Num: 215
Candidate Starts for LizLemon_57:
(Start: 215 @52610 has 328 MA's), (Start: 258 @52583 has 2 MA's), (Start: 282 @52553 has 7 MA's), (Start: 288 @52541 has 1 MA's), (Start: 304 @52514 has 2 MA's), (305, 52511), (314, 52502), (338, 52484), (388, 52388), (418, 52337), (426, 52313), (433, 52289), (496, 52151), (506, 52127), (511, 52115), (567, 52058), (590, 52022), (594, 52010), (603, 51986), (652, 51902), (670, 51872), (671, 51869), (684, 51839), (753, 51695), (778, 51629), (792, 51590), (796, 51578), (800, 51557), (806, 51539), (820, 51482), (850, 51398), (856, 51368), (859, 51359), (879, 51293), (902, 51266), (904, 51257), (910, 51239), (920, 51215), (939, 51161), (944, 51149), (950, 51128), (985, 51059), (1007, 50999), (1018, 50981), (1035, 50948), (1039, 50936), (1041, 50921), (1042, 50918), (1044, 50906), (1054, 50882), (1055, 50879), (1073, 50831), (1075, 50828), (1084, 50807), (1091, 50786),

Gene: Lizalica_39 Start: 28785, Stop: 30650, Start Num: 254
Candidate Starts for Lizalica_39:
(Start: 254 @28785 has 935 MA's), (Start: 288 @28833 has 1 MA's), (436, 29082), (479, 29172), (593, 29379), (596, 29388), (641, 29478), (647, 29487), (657, 29502), (681, 29547), (708, 29592), (732, 29640), (759, 29697), (788, 29778), (812, 29865), (819, 29898), (830, 29928), (847, 29985), (860, 30042), (862, 30051), (971, 30324), (1003, 30387), (1060, 30546), (1064, 30555), (1099, 30633),

Gene: LochMonster_46 Start: 31806, Stop: 29980, Start Num: 254
Candidate Starts for LochMonster_46:
(Start: 254 @31806 has 935 MA's), (271, 31785), (289, 31755), (305, 31725), (413, 31563), (421, 31545), (449, 31473), (455, 31464), (505, 31344), (514, 31320), (591, 31227), (611, 31179), (626, 31158), (647, 31119), (675, 31074), (678, 31068), (719, 30987), (732, 30966), (755, 30921), (759, 30909), (815, 30756), (819, 30735), (855, 30612), (862, 30582), (875, 30543), (904, 30477), (905, 30474), (910, 30459), (920, 30435), (929, 30411), (1007, 30204), (1060, 30069), (1065, 30057), (1071, 30048),

Gene: Lockley_44 Start: 34369, Stop: 32543, Start Num: 254
Candidate Starts for Lockley_44:

(Start: 254 @34369 has 935 MA's), (391, 34156), (426, 34093), (436, 34063), (449, 34036), (455, 34027), (504, 33910), (514, 33883), (591, 33790), (596, 33775), (639, 33691), (641, 33688), (680, 33622), (701, 33592), (711, 33562), (734, 33517), (755, 33478), (819, 33298), (834, 33250), (847, 33211), (862, 33145), (875, 33106), (899, 33085), (904, 33064), (910, 33046), (935, 32980), (1003, 32830), (1004, 32827), (1012, 32791), (1034, 32758), (1038, 32746), (1060, 32671), (1071, 32650),

Gene: LogiBear_45 Start: 29753, Stop: 27963, Start Num: 254
Candidate Starts for LogiBear_45:
(Start: 254 @29753 has 935 MA's), (293, 29693), (391, 29540), (426, 29474), (436, 29444), (437, 29441), (449, 29417), (463, 29396), (474, 29366), (510, 29276), (514, 29264), (591, 29171), (606, 29126), (609, 29123), (618, 29114), (658, 29042), (710, 28946), (732, 28904), (734, 28898), (755, 28859), (815, 28700), (819, 28679), (836, 28628), (843, 28613), (855, 28556), (862, 28526), (875, 28487), (899, 28466), (902, 28454), (904, 28445), (908, 28433), (920, 28403), (946, 28328), (1003, 28211), (1012, 28172), (1043, 28100), (1060, 28052), (1065, 28040),

Gene: Lokk_45 Start: 31915, Stop: 30128, Start Num: 254
Candidate Starts for Lokk_45:
(Start: 254 @31915 has 935 MA's), (388, 31708), (391, 31702), (413, 31672), (426, 31639), (427, 31636), (441, 31594), (449, 31582), (514, 31429), (591, 31336), (609, 31288), (618, 31279), (626, 31264), (666, 31198), (732, 31069), (792, 30949), (798, 30925), (819, 30844), (836, 30793), (846, 30760), (847, 30757), (862, 30691), (875, 30652), (899, 30631), (925, 30556), (929, 30544), (956, 30466), (975, 30430), (985, 30412), (1003, 30376), (1007, 30352), (1041, 30274), (1060, 30217), (1065, 30205), (1071, 30196),

Gene: Lolalove_54 Start: 54016, Stop: 52190, Start Num: 208
Candidate Starts for Lolalove_54:
(Start: 208 @54016 has 32 MA's), (Start: 258 @53989 has 2 MA's), (280, 53962), (Start: 288 @53947 has 1 MA's), (300, 53926), (353, 53839), (415, 53734), (425, 53707), (430, 53692), (464, 53626), (477, 53596), (481, 53587), (487, 53584), (489, 53581), (567, 53461), (582, 53443), (590, 53425), (594, 53413), (605, 53386), (641, 53323), (666, 53284), (670, 53275), (671, 53272), (684, 53242), (706, 53206), (796, 52981), (797, 52978), (806, 52942), (813, 52918), (820, 52885), (854, 52777), (856, 52771), (859, 52762), (904, 52663), (905, 52660), (910, 52645), (939, 52567), (944, 52555), (950, 52534), (953, 52525), (970, 52495), (985, 52465), (1000, 52438), (1007, 52405), (1021, 52381), (1039, 52342), (1042, 52324), (1044, 52312), (1054, 52288), (1070, 52246), (1073, 52240), (1084, 52216),

Gene: London_39 Start: 30351, Stop: 32216, Start Num: 254
Candidate Starts for London_39:
(Start: 254 @30351 has 935 MA's), (Start: 288 @30399 has 1 MA's), (411, 30582), (415, 30588), (436, 30648), (443, 30669), (479, 30738), (596, 30954), (641, 31044), (647, 31053), (657, 31068), (681, 31113), (732, 31206), (788, 31344), (819, 31464), (830, 31494), (847, 31551), (860, 31608), (862, 31617), (872, 31641), (903, 31710), (929, 31782), (932, 31791), (971, 31890), (1003, 31953), (1060, 32112), (1064, 32121),

Gene: LoneWolf_45 Start: 31301, Stop: 29508, Start Num: 254
Candidate Starts for LoneWolf_45:
(Start: 254 @31301 has 935 MA's), (261, 31292), (386, 31097), (413, 31055), (427, 31019), (436, 30992), (449, 30965), (474, 30914), (505, 30836), (514, 30812), (591, 30719), (606, 30674), (680, 30551), (785, 30353), (787, 30347), (819, 30224), (850, 30128), (855, 30101), (862, 30071), (875, 30032), (902, 29999), (904, 29990), (946, 29873), (953, 29852), (1007, 29732), (1041, 29654), (1060, 29597), (1065, 29585), (1071, 29576),

Gene: LongHai_45 Start: 34648, Stop: 32237, Start Num: 56
Candidate Starts for LongHai_45:

(Start: 56 @34648 has 1 MA's), (61, 34639), (Start: 75 @34594 has 1 MA's), (Start: 82 @34582 has 1 MA's), (Start: 96 @34543 has 1 MA's), (165, 34384), (182, 34354), (213, 34324), (329, 34156), (392, 34036), (438, 33934), (476, 33853), (497, 33793), (522, 33727), (569, 33595), (593, 33547), (664, 33475), (668, 33466), (733, 33385), (837, 33076), (848, 33037), (853, 33010), (855, 33004), (876, 32932), (880, 32926), (883, 32920), (897, 32896), (905, 32863), (910, 32848), (912, 32839), (970, 32680), (982, 32650), (1049, 32440), (1058, 32413), (1081, 32344),

Gene: Longacauda_61 Start: 54397, Stop: 52538, Start Num: 215
Candidate Starts for Longacauda_61:
(Start: 198 @54421 has 1 MA's), (Start: 215 @54397 has 328 MA's), (Start: 245 @54373 has 14 MA's), (Start: 258 @54367 has 2 MA's), (Start: 288 @54325 has 1 MA's), (300, 54304), (360, 54190), (363, 54184), (382, 54154), (418, 54094), (425, 54073), (442, 54019), (454, 54007), (464, 53989), (469, 53977), (511, 53872), (567, 53815), (590, 53779), (594, 53767), (605, 53740), (630, 53695), (666, 53638), (670, 53629), (671, 53626), (783, 53368), (813, 53266), (820, 53233), (827, 53212), (856, 53119), (859, 53110), (881, 53047), (904, 53011), (905, 53008), (910, 52993), (939, 52915), (944, 52903), (950, 52882), (970, 52843), (1007, 52753), (1018, 52735), (1021, 52729), (1029, 52714), (1039, 52690), (1041, 52675), (1042, 52672), (1044, 52660), (1054, 52636), (1073, 52588), (1084, 52564),

Gene: Looper_47 Start: 29720, Stop: 27930, Start Num: 254
Candidate Starts for Looper_47:
(Start: 254 @29720 has 935 MA's), (371, 29546), (426, 29441), (427, 29438), (436, 29411), (449, 29384), (474, 29333), (514, 29231), (591, 29138), (606, 29093), (609, 29090), (618, 29081), (708, 28919), (719, 28892), (732, 28871), (734, 28865), (788, 28766), (798, 28727), (813, 28676), (819, 28646), (836, 28595), (846, 28562), (853, 28529), (855, 28523), (862, 28493), (899, 28433), (904, 28412), (920, 28370), (930, 28343), (935, 28328), (971, 28241), (1003, 28178), (1004, 28175), (1060, 28019), (1065, 28007), (1073, 27995),

Gene: Lopsy_59 Start: 53696, Stop: 51837, Start Num: 215
Candidate Starts for Lopsy_59:
(Start: 198 @53720 has 1 MA's), (Start: 215 @53696 has 328 MA's), (Start: 245 @53672 has 14 MA's), (Start: 258 @53666 has 2 MA's), (Start: 288 @53624 has 1 MA's), (300, 53603), (360, 53489), (363, 53483), (382, 53453), (418, 53393), (425, 53372), (442, 53318), (454, 53306), (464, 53288), (467, 53279), (469, 53276), (511, 53171), (567, 53114), (590, 53078), (594, 53066), (603, 53042), (609, 53030), (620, 53012), (630, 52994), (641, 52976), (666, 52937), (670, 52928), (671, 52925), (673, 52922), (813, 52565), (820, 52532), (827, 52511), (856, 52418), (859, 52409), (881, 52346), (904, 52310), (905, 52307), (910, 52292), (939, 52214), (944, 52202), (950, 52181), (970, 52142), (1007, 52052), (1021, 52028), (1029, 52013), (1039, 51989), (1041, 51974), (1042, 51971), (1044, 51959), (1054, 51935), (1073, 51887), (1084, 51863),

Gene: Lopton_45 Start: 35870, Stop: 34044, Start Num: 254
Candidate Starts for Lopton_45:
(Start: 254 @35870 has 935 MA's), (391, 35657), (426, 35594), (436, 35564), (443, 35543), (449, 35537), (455, 35528), (504, 35411), (514, 35384), (591, 35291), (596, 35276), (609, 35243), (639, 35192), (641, 35189), (680, 35123), (701, 35093), (711, 35063), (734, 35018), (755, 34979), (819, 34799), (834, 34751), (847, 34712), (862, 34646), (875, 34607), (899, 34586), (904, 34565), (910, 34547), (935, 34481), (1003, 34331), (1004, 34328), (1012, 34292), (1029, 34268), (1038, 34247), (1043, 34220), (1060, 34172), (1071, 34151),

Gene: Lorenzo_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Lorenzo_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626,

30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Loser_46 Start: 32256, Stop: 30469, Start Num: 254
Candidate Starts for Loser_46:
(Start: 254 @32256 has 935 MA's), (386, 32052), (388, 32049), (402, 32028), (413, 32013), (426, 31980), (436, 31950), (449, 31923), (463, 31902), (474, 31872), (514, 31770), (591, 31677), (609, 31629), (618, 31620), (626, 31605), (666, 31539), (708, 31458), (732, 31410), (768, 31338), (798, 31266), (819, 31185), (836, 31134), (846, 31101), (847, 31098), (862, 31032), (875, 30993), (899, 30972), (918, 30915), (925, 30897), (956, 30807), (975, 30771), (985, 30753), (1003, 30717), (1007, 30693), (1037, 30636), (1041, 30615), (1060, 30558), (1065, 30546), (1071, 30537),

Gene: LostAndPhound_61 Start: 54582, Stop: 52723, Start Num: 215
Candidate Starts for LostAndPhound_61:
(Start: 198 @54606 has 1 MA's), (Start: 215 @54582 has 328 MA's), (Start: 245 @54558 has 14 MA's), (Start: 258 @54552 has 2 MA's), (Start: 288 @54510 has 1 MA's), (300, 54489), (360, 54375), (363, 54369), (382, 54339), (418, 54279), (425, 54258), (442, 54204), (454, 54192), (464, 54174), (469, 54162), (511, 54057), (567, 54000), (590, 53964), (594, 53952), (605, 53925), (620, 53898), (630, 53880), (641, 53862), (666, 53823), (670, 53814), (671, 53811), (783, 53553), (813, 53451), (820, 53418), (827, 53397), (856, 53304), (859, 53295), (881, 53232), (904, 53196), (905, 53193), (910, 53178), (939, 53100), (944, 53088), (950, 53067), (970, 53028), (1007, 52938), (1018, 52920), (1021, 52914), (1029, 52899), (1039, 52875), (1041, 52860), (1042, 52857), (1044, 52845), (1054, 52821), (1073, 52773), (1084, 52749),

Gene: Louie6_47 Start: 31885, Stop: 30071, Start Num: 254
Candidate Starts for Louie6_47:
(Start: 254 @31885 has 935 MA's), (284, 31846), (289, 31834), (386, 31681), (395, 31666), (426, 31609), (449, 31552), (455, 31543), (474, 31501), (494, 31450), (514, 31399), (568, 31345), (591, 31306), (609, 31258), (626, 31234), (647, 31195), (666, 31168), (680, 31138), (727, 31045), (734, 31033), (758, 30985), (767, 30970), (819, 30814), (836, 30763), (846, 30730), (847, 30727), (862, 30661), (875, 30622), (905, 30550), (920, 30511), (929, 30487), (935, 30469), (946, 30436), (985, 30355), (1007, 30295), (1043, 30208), (1060, 30160), (1065, 30148), (1071, 30139), (1073, 30136),

Gene: Lovelyunicorn_39 Start: 28935, Stop: 27070, Start Num: 339
Candidate Starts for Lovelyunicorn_39:
(Start: 275 @29022 has 3 MA's), (Start: 277 @29019 has 1 MA's), (324, 28950), (Start: 339 @28935 has 121 MA's), (Start: 342 @28926 has 5 MA's), (392, 28821), (398, 28812), (418, 28782), (419, 28779), (472, 28659), (476, 28647), (478, 28641), (518, 28536), (525, 28509), (582, 28368), (588, 28359), (591, 28347), (600, 28320), (601, 28317), (612, 28302), (634, 28296), (637, 28290), (657, 28257), (749, 28068), (855, 27753), (858, 27744), (859, 27741), (862, 27723), (876, 27681), (880, 27675), (895, 27651), (912, 27594), (970, 27435), (982, 27405), (985, 27396), (1004, 27336), (1007, 27312), (1025, 27273), (1039, 27240), (1040, 27228), (1058, 27168),

Gene: Loviatar_43 Start: 31529, Stop: 33403, Start Num: 241
Candidate Starts for Loviatar_43:
(Start: 241 @31529 has 65 MA's), (Start: 299 @31598 has 1 MA's), (315, 31619), (426, 31799), (455, 31865), (464, 31880), (474, 31907), (647, 32201), (766, 32435), (803, 32555), (804, 32558), (819, 32618), (822, 32624), (836, 32669), (843, 32684), (845, 32699), (853, 32735), (862, 32771), (903, 32864), (925, 32924), (936, 32957), (967, 33035), (969, 33038), (1003, 33107), (1007, 33131), (1012, 33146), (1037, 33188), (1040, 33206), (1060, 33266), (1071, 33287),

Gene: Lowa_48 Start: 31845, Stop: 30031, Start Num: 254

Candidate Starts for Lowa_48:
(Start: 254 @31845 has 935 MA's), (284, 31806), (289, 31794), (386, 31641), (395, 31626), (426, 31569), (449, 31512), (455, 31503), (474, 31461), (494, 31410), (514, 31359), (591, 31266), (609, 31218), (618, 31209), (626, 31194), (647, 31155), (666, 31128), (680, 31098), (727, 31005), (734, 30993), (758, 30945), (767, 30930), (819, 30774), (847, 30687), (862, 30621), (875, 30582), (905, 30510), (920, 30471), (929, 30447), (935, 30429), (946, 30396), (956, 30369), (985, 30315), (1007, 30255), (1041, 30177), (1060, 30120), (1065, 30108), (1071, 30099),

Gene: Luchador_50 Start: 33745, Stop: 31952, Start Num: 254
Candidate Starts for Luchador_50:
(Start: 254 @33745 has 935 MA's), (261, 33736), (Start: 285 @33703 has 6 MA's), (334, 33634), (386, 33541), (426, 33466), (427, 33463), (436, 33436), (449, 33409), (474, 33358), (505, 33280), (514, 33256), (591, 33163), (599, 33139), (606, 33118), (666, 33025), (680, 32995), (755, 32848), (785, 32797), (798, 32749), (819, 32668), (830, 32638), (843, 32602), (855, 32545), (862, 32515), (904, 32434), (935, 32350), (946, 32317), (956, 32290), (1003, 32200), (1037, 32119), (1041, 32098), (1043, 32089), (1060, 32041), (1065, 32029), (1071, 32020), (1073, 32017),

Gene: Lucivia_45 Start: 30825, Stop: 29038, Start Num: 254
Candidate Starts for Lucivia_45:
(Start: 254 @30825 has 935 MA's), (386, 30621), (426, 30549), (436, 30519), (449, 30492), (593, 30240), (618, 30189), (666, 30108), (688, 30063), (732, 29979), (759, 29922), (786, 29880), (798, 29835), (819, 29754), (836, 29703), (847, 29667), (862, 29601), (899, 29541), (902, 29529), (938, 29427), (946, 29403), (951, 29385), (985, 29322), (1000, 29295), (1003, 29286), (1007, 29262), (1060, 29127), (1065, 29115), (1071, 29106),

Gene: Lucky3_37 Start: 28582, Stop: 26732, Start Num: 335
Candidate Starts for Lucky3_37:
(233, 28723), (301, 28633), (Start: 335 @28582 has 20 MA's), (381, 28483), (398, 28459), (419, 28426), (469, 28315), (476, 28294), (478, 28288), (494, 28243), (496, 28237), (554, 28081), (588, 28018), (591, 28006), (601, 27976), (654, 27919), (789, 27625), (855, 27415), (858, 27406), (859, 27403), (862, 27385), (876, 27343), (912, 27256), (1004, 26998), (1007, 26974), (1008, 26971), (1022, 26941), (1058, 26830),

Gene: LuckyMarjie_58 Start: 53758, Stop: 51899, Start Num: 215
Candidate Starts for LuckyMarjie_58:
(Start: 198 @53782 has 1 MA's), (Start: 215 @53758 has 328 MA's), (Start: 245 @53734 has 14 MA's), (Start: 258 @53728 has 2 MA's), (Start: 288 @53686 has 1 MA's), (300, 53665), (360, 53551), (363, 53545), (382, 53515), (418, 53455), (425, 53434), (442, 53380), (454, 53368), (464, 53350), (469, 53338), (511, 53233), (567, 53176), (590, 53140), (594, 53128), (603, 53104), (609, 53092), (620, 53074), (630, 53056), (641, 53038), (666, 52999), (670, 52990), (671, 52987), (673, 52984), (813, 52627), (820, 52594), (827, 52573), (856, 52480), (859, 52471), (881, 52408), (904, 52372), (905, 52369), (910, 52354), (939, 52276), (944, 52264), (950, 52243), (970, 52204), (1007, 52114), (1018, 52096), (1021, 52090), (1029, 52075), (1039, 52051), (1041, 52036), (1042, 52033), (1044, 52021), (1054, 51997), (1073, 51949), (1084, 51925),

Gene: LuckySocke_138 Start: 73912, Stop: 75948, Start Num: 282
Candidate Starts for LuckySocke_138:
(Start: 282 @73912 has 7 MA's), (325, 73978), (345, 74002), (369, 74053), (371, 74056), (376, 74068), (391, 74101), (428, 74170), (484, 74305), (495, 74341), (557, 74461), (583, 74515), (586, 74518), (602, 74569), (606, 74581), (647, 74650), (659, 74671), (685, 74719), (691, 74728), (821, 75106), (849, 75223), (852, 75241), (881, 75337), (901, 75373), (924, 75442), (927, 75451), (929, 75457), (979, 75595), (984, 75610), (989, 75625), (1012, 75709), (1013, 75712), (1039, 75784), (1060, 75856), (1077, 75901), (1080, 75910), (1082, 75916),

Gene: Lucyedi_45 Start: 30972, Stop: 29140, Start Num: 254
Candidate Starts for Lucyedi_45:
(Start: 254 @30972 has 935 MA's), (386, 30768), (388, 30765), (426, 30696), (427, 30693), (436, 30666), (443, 30645), (449, 30639), (455, 30630), (474, 30588), (505, 30510), (514, 30486), (591, 30393), (680, 30225), (785, 30027), (819, 29898), (850, 29802), (859, 29763), (862, 29745), (902, 29673), (904, 29664), (953, 29526), (1000, 29439), (1003, 29430), (1041, 29328), (1060, 29271), (1065, 29259), (1111, 29154),

Gene: Ludgate_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for Ludgate_39:
(Start: 275 @29017 has 3 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (725, 28123), (749, 28063), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: LugYA_51 Start: 31853, Stop: 30039, Start Num: 254
Candidate Starts for LugYA_51:
(Start: 254 @31853 has 935 MA's), (284, 31814), (289, 31802), (386, 31649), (395, 31634), (426, 31577), (449, 31520), (455, 31511), (474, 31469), (494, 31418), (514, 31367), (591, 31274), (609, 31226), (618, 31217), (626, 31202), (647, 31163), (666, 31136), (680, 31106), (727, 31013), (758, 30953), (767, 30938), (819, 30782), (847, 30695), (862, 30629), (875, 30590), (905, 30518), (920, 30479), (929, 30455), (935, 30437), (946, 30404), (956, 30377), (985, 30323), (1007, 30263), (1041, 30185), (1060, 30128), (1065, 30116), (1071, 30107),

Gene: Lulumae_58 Start: 53743, Stop: 51884, Start Num: 215
Candidate Starts for Lulumae_58:
(Start: 198 @53767 has 1 MA's), (Start: 215 @53743 has 328 MA's), (Start: 245 @53719 has 14 MA's), (Start: 258 @53713 has 2 MA's), (Start: 288 @53671 has 1 MA's), (300, 53650), (360, 53536), (363, 53530), (382, 53500), (418, 53440), (425, 53419), (442, 53365), (454, 53353), (464, 53335), (469, 53323), (511, 53218), (567, 53161), (590, 53125), (594, 53113), (605, 53086), (620, 53059), (630, 53041), (641, 53023), (666, 52984), (670, 52975), (671, 52972), (673, 52969), (813, 52612), (820, 52579), (827, 52558), (856, 52465), (859, 52456), (881, 52393), (904, 52357), (905, 52354), (910, 52339), (939, 52261), (944, 52249), (950, 52228), (970, 52189), (1007, 52099), (1018, 52081), (1021, 52075), (1029, 52060), (1039, 52036), (1041, 52021), (1042, 52018), (1044, 52006), (1054, 51982), (1073, 51934), (1084, 51910),

Gene: Lulwa_58 Start: 53340, Stop: 51481, Start Num: 215
Candidate Starts for Lulwa_58:
(Start: 198 @53364 has 1 MA's), (Start: 215 @53340 has 328 MA's), (Start: 245 @53316 has 14 MA's), (Start: 258 @53310 has 2 MA's), (Start: 288 @53268 has 1 MA's), (300, 53247), (360, 53133), (363, 53127), (382, 53097), (418, 53037), (425, 53016), (442, 52962), (454, 52950), (464, 52932), (469, 52920), (511, 52815), (567, 52758), (590, 52722), (594, 52710), (605, 52683), (620, 52656), (630, 52638), (641, 52620), (666, 52581), (670, 52572), (671, 52569), (783, 52311), (813, 52209), (820, 52176), (827, 52155), (856, 52062), (859, 52053), (881, 51990), (904, 51954), (905, 51951), (910, 51936), (939, 51858), (944, 51846), (950, 51825), (970, 51786), (1007, 51696), (1018, 51678), (1021, 51672), (1029, 51657), (1039, 51633), (1041, 51618), (1042, 51615), (1044, 51603), (1054, 51579), (1073, 51531), (1084, 51507),

Gene: Lumine_61 Start: 54227, Stop: 52368, Start Num: 215

Candidate Starts for Lumine_61:
(Start: 198 @54251 has 1 MA's), (Start: 215 @54227 has 328 MA's), (Start: 245 @54203 has 14 MA's), (Start: 258 @54197 has 2 MA's), (Start: 288 @54155 has 1 MA's), (300, 54134), (360, 54020), (363, 54014), (382, 53984), (418, 53924), (425, 53903), (442, 53849), (454, 53837), (464, 53819), (469, 53807), (511, 53702), (567, 53645), (590, 53609), (594, 53597), (603, 53573), (609, 53561), (620, 53543), (630, 53525), (641, 53507), (666, 53468), (670, 53459), (671, 53456), (673, 53453), (813, 53096), (820, 53063), (827, 53042), (856, 52949), (859, 52940), (881, 52877), (904, 52841), (905, 52838), (910, 52823), (939, 52745), (944, 52733), (950, 52712), (970, 52673), (1007, 52583), (1018, 52565), (1021, 52559), (1029, 52544), (1039, 52520), (1041, 52505), (1042, 52502), (1044, 52490), (1054, 52466), (1073, 52418), (1084, 52394),

Gene: Luna18_40 Start: 28364, Stop: 26472, Start Num: 337
Candidate Starts for Luna18_40:
(272, 28454), (Start: 337 @28364 has 44 MA's), (Start: 342 @28355 has 5 MA's), (366, 28298), (381, 28268), (408, 28229), (418, 28214), (420, 28208), (427, 28190), (438, 28157), (476, 28079), (478, 28073), (496, 28022), (511, 27983), (544, 27872), (588, 27788), (591, 27776), (601, 27746), (612, 27731), (634, 27725), (637, 27719), (639, 27713), (642, 27707), (791, 27392), (845, 27197), (862, 27125), (876, 27083), (895, 27053), (902, 27032), (912, 26996), (934, 26924), (982, 26807), (985, 26798), (1004, 26738), (1007, 26714), (1011, 26702), (1032, 26666), (1058, 26570),

Gene: LunarLander_46 Start: 34906, Stop: 33080, Start Num: 254
Candidate Starts for LunarLander_46:
(Start: 254 @34906 has 935 MA's), (391, 34693), (400, 34678), (426, 34630), (436, 34600), (443, 34579), (449, 34573), (455, 34564), (504, 34447), (514, 34420), (591, 34327), (596, 34312), (609, 34279), (639, 34228), (641, 34225), (680, 34159), (701, 34129), (711, 34099), (734, 34054), (755, 34015), (819, 33835), (830, 33805), (834, 33787), (836, 33784), (847, 33748), (862, 33682), (904, 33601), (905, 33598), (935, 33517), (1003, 33367), (1004, 33364), (1012, 33328), (1029, 33304), (1034, 33295), (1038, 33283), (1041, 33265), (1043, 33256), (1060, 33208), (1071, 33187),

Gene: Lunsford_46 Start: 31564, Stop: 29738, Start Num: 254
Candidate Starts for Lunsford_46:
(Start: 254 @31564 has 935 MA's), (271, 31543), (289, 31513), (305, 31483), (413, 31321), (421, 31303), (449, 31231), (455, 31222), (505, 31102), (514, 31078), (591, 30985), (611, 30937), (626, 30916), (647, 30877), (719, 30745), (732, 30724), (755, 30679), (759, 30667), (815, 30514), (819, 30493), (855, 30370), (862, 30340), (875, 30301), (904, 30235), (905, 30232), (910, 30217), (920, 30193), (929, 30169), (1007, 29962), (1060, 29827), (1065, 29815), (1071, 29806),

Gene: Lynlen_43 Start: 29644, Stop: 31518, Start Num: 241
Candidate Starts for Lynlen_43:
(Start: 238 @29641 has 7 MA's), (Start: 241 @29644 has 65 MA's), (Start: 299 @29713 has 1 MA's), (315, 29734), (455, 29980), (474, 30022), (602, 30235), (647, 30316), (719, 30451), (766, 30550), (804, 30673), (819, 30733), (822, 30739), (836, 30784), (843, 30799), (845, 30814), (853, 30850), (862, 30886), (903, 30979), (936, 31072), (967, 31150), (1003, 31222), (1012, 31261), (1037, 31303), (1040, 31321), (1060, 31381), (1071, 31402),

Gene: MA5_45 Start: 30880, Stop: 29042, Start Num: 254
Candidate Starts for MA5_45:
(202, 30952), (Start: 254 @30880 has 935 MA's), (289, 30829), (386, 30676), (413, 30637), (426, 30604), (449, 30547), (455, 30538), (463, 30526), (505, 30418), (514, 30394), (591, 30298), (611, 30250), (647, 30190), (719, 30058), (732, 30037), (787, 29923), (798, 29881), (819, 29800), (847, 29713), (855, 29677), (862, 29647), (905, 29536), (920, 29497), (929, 29473), (935, 29455), (936, 29452), (985, 29326), (1007, 29266), (1060, 29131), (1065, 29119), (1071, 29110),

Gene: MAnor_46 Start: 34598, Stop: 32220, Start Num: 58
Candidate Starts for MAnor_46:
(Start: 58 @34598 has 15 MA's), (80, 34538), (115, 34457), (165, 34337), (213, 34292), (270, 34214), (Start: 275 @34208 has 3 MA's), (Start: 277 @34205 has 1 MA's), (279, 34202), (297, 34175), (319, 34136), (323, 34127), (Start: 342 @34097 has 5 MA's), (367, 34040), (392, 34001), (406, 33980), (426, 33938), (429, 33929), (434, 33914), (437, 33905), (441, 33893), (459, 33860), (461, 33857), (469, 33839), (476, 33818), (537, 33635), (569, 33560), (591, 33518), (668, 33431), (730, 33353), (733, 33347), (754, 33302), (755, 33299), (761, 33284), (773, 33263), (798, 33179), (807, 33149), (823, 33089), (825, 33080), (830, 33065), (836, 33050), (841, 33038), (862, 32945), (874, 32909), (876, 32903), (880, 32897), (883, 32891), (905, 32834), (912, 32810), (945, 32705), (946, 32702), (970, 32651), (986, 32609), (991, 32591), (1004, 32552), (1013, 32510), (1027, 32486), (1050, 32408), (1058, 32384), (1064, 32360), (1072, 32339), (1095, 32285), (1108, 32252), (1113, 32240),

Gene: MCubed_38 Start: 28748, Stop: 26883, Start Num: 337
Candidate Starts for MCubed_38:
(Start: 337 @28748 has 44 MA's), (381, 28649), (420, 28589), (438, 28538), (476, 28460), (478, 28454), (494, 28409), (495, 28406), (496, 28403), (511, 28364), (531, 28304), (582, 28181), (588, 28172), (591, 28160), (595, 28148), (601, 28130), (634, 28109), (639, 28097), (731, 27926), (796, 27758), (850, 27593), (858, 27557), (862, 27536), (876, 27494), (912, 27407), (925, 27362), (962, 27263), (982, 27218), (1004, 27149), (1007, 27125), (1022, 27092), (1058, 26981),

Gene: MK4_45 Start: 30963, Stop: 29125, Start Num: 254
Candidate Starts for MK4_45:
(202, 31035), (Start: 254 @30963 has 935 MA's), (289, 30912), (386, 30759), (413, 30720), (426, 30687), (449, 30630), (455, 30621), (463, 30609), (505, 30501), (514, 30477), (591, 30381), (611, 30333), (647, 30273), (719, 30141), (732, 30120), (767, 30051), (787, 30006), (798, 29964), (819, 29883), (847, 29796), (855, 29760), (862, 29730), (905, 29619), (920, 29580), (929, 29556), (935, 29538), (983, 29415), (985, 29409), (1007, 29349), (1059, 29217), (1060, 29214), (1065, 29202), (1071, 29193),

Gene: MPlant7149_43 Start: 33801, Stop: 32014, Start Num: 254
Candidate Starts for MPlant7149_43:
(Start: 254 @33801 has 935 MA's), (391, 33588), (400, 33573), (426, 33525), (436, 33495), (443, 33474), (449, 33468), (455, 33459), (504, 33342), (514, 33315), (591, 33222), (596, 33207), (639, 33123), (641, 33120), (680, 33054), (701, 33024), (711, 32994), (734, 32949), (755, 32910), (819, 32730), (834, 32682), (847, 32643), (862, 32577), (902, 32505), (904, 32496), (935, 32412), (971, 32325), (1029, 32199), (1035, 32187), (1053, 32127), (1060, 32103), (1063, 32097),

Gene: MRabcd_60 Start: 54351, Stop: 52492, Start Num: 215
Candidate Starts for MRabcd_60:
(Start: 198 @54375 has 1 MA's), (Start: 215 @54351 has 328 MA's), (Start: 245 @54327 has 14 MA's), (Start: 258 @54321 has 2 MA's), (Start: 288 @54279 has 1 MA's), (300, 54258), (360, 54144), (363, 54138), (382, 54108), (418, 54048), (425, 54027), (442, 53973), (454, 53961), (464, 53943), (469, 53931), (511, 53826), (567, 53769), (590, 53733), (594, 53721), (605, 53694), (630, 53649), (666, 53592), (670, 53583), (671, 53580), (813, 53220), (820, 53187), (827, 53166), (856, 53073), (859, 53064), (881, 53001), (904, 52965), (905, 52962), (910, 52947), (939, 52869), (944, 52857), (950, 52836), (970, 52797), (1007, 52707), (1018, 52689), (1021, 52683), (1029, 52668), (1039, 52644), (1041, 52629), (1042, 52626), (1044, 52614), (1054, 52590), (1073, 52542), (1084, 52518),

Gene: MScarn_47 Start: 32630, Stop: 30240, Start Num: 45
Candidate Starts for MScarn_47:
(Start: 45 @32630 has 21 MA's), (87, 32549), (93, 32534), (115, 32480), (118, 32468), (124, 32447), (139, 32414), (152, 32387), (165, 32363), (201, 32336), (Start: 277 @32231 has 1 MA's), (307, 32183),

(367, 32066), (417, 31985), (427, 31958), (434, 31937), (459, 31883), (461, 31880), (469, 31862), (476, 31841), (497, 31781), (569, 31583), (591, 31541), (668, 31454), (684, 31430), (706, 31424), (730, 31370), (733, 31364), (753, 31322), (754, 31319), (755, 31316), (807, 31169), (825, 31100), (827, 31094), (841, 31058), (862, 30965), (874, 30929), (876, 30923), (880, 30917), (883, 30911), (905, 30854), (912, 30830), (925, 30785), (1058, 30404), (1072, 30359), (1076, 30350), (1101, 30290),

Gene: MaCh_45 Start: 30763, Stop: 28976, Start Num: 254
Candidate Starts for MaCh_45:
(Start: 254 @30763 has 935 MA's), (386, 30559), (426, 30487), (436, 30457), (449, 30430), (593, 30178), (618, 30127), (666, 30046), (688, 30001), (690, 29998), (732, 29917), (759, 29860), (786, 29818), (798, 29773), (819, 29692), (836, 29641), (847, 29605), (862, 29539), (899, 29479), (902, 29467), (938, 29365), (946, 29341), (951, 29323), (985, 29260), (1000, 29233), (1003, 29224), (1007, 29200), (1060, 29065), (1065, 29053), (1071, 29044),

Gene: MaGuCo_40 Start: 30008, Stop: 31852, Start Num: 254
Candidate Starts for MaGuCo_40:
(Start: 254 @30008 has 935 MA's), (436, 30305), (443, 30326), (593, 30581), (642, 30683), (657, 30704), (708, 30794), (732, 30842), (762, 30905), (819, 31100), (822, 31106), (847, 31187), (862, 31253), (910, 31370), (943, 31457), (999, 31577), (1003, 31589), (1060, 31748), (1081, 31793),

Gene: MaVan_40 Start: 32050, Stop: 29693, Start Num: 57
Candidate Starts for MaVan_40:
(55, 32059), (Start: 57 @32050 has 26 MA's), (63, 32035), (74, 31999), (131, 31864), (165, 31801), (Start: 210 @31759 has 3 MA's), (Start: 219 @31747 has 1 MA's), (292, 31645), (297, 31642), (341, 31567), (358, 31528), (367, 31507), (403, 31456), (424, 31414), (434, 31384), (459, 31330), (469, 31309), (476, 31288), (498, 31225), (541, 31090), (546, 31075), (569, 31030), (611, 30946), (664, 30910), (733, 30817), (753, 30775), (754, 30772), (755, 30769), (768, 30745), (774, 30733), (778, 30721), (816, 30580), (825, 30553), (862, 30418), (874, 30382), (876, 30376), (880, 30370), (883, 30364), (897, 30340), (905, 30307), (912, 30283), (925, 30238), (927, 30232), (947, 30172), (991, 30064), (1008, 29998), (1009, 29995), (1013, 29983), (1027, 29959), (1050, 29881), (1058, 29857), (1081, 29788),

Gene: Mabel_45 Start: 30748, Stop: 28961, Start Num: 254
Candidate Starts for Mabel_45:
(Start: 254 @30748 has 935 MA's), (386, 30544), (426, 30472), (436, 30442), (449, 30415), (593, 30163), (618, 30112), (666, 30031), (688, 29986), (732, 29902), (759, 29845), (786, 29803), (798, 29758), (819, 29677), (836, 29626), (847, 29590), (862, 29524), (899, 29464), (902, 29452), (938, 29350), (946, 29326), (951, 29308), (985, 29245), (1000, 29218), (1003, 29209), (1007, 29185), (1060, 29050), (1065, 29038), (1071, 29029),

Gene: Mabodamaca_48 Start: 32455, Stop: 34320, Start Num: 254
Candidate Starts for Mabodamaca_48:
(186, 32392), (192, 32401), (Start: 254 @32455 has 935 MA's), (479, 32842), (606, 33088), (647, 33157), (732, 33310), (798, 33487), (819, 33568), (841, 33631), (853, 33685), (863, 33724), (927, 33880), (936, 33907), (970, 33991), (1039, 34144), (1060, 34216), (1076, 34246),

Gene: Maco6_42 Start: 33485, Stop: 31179, Start Num: 96
Candidate Starts for Maco6_42:
(Start: 56 @33590 has 1 MA's), (61, 33581), (Start: 75 @33536 has 1 MA's), (Start: 82 @33524 has 1 MA's), (Start: 96 @33485 has 1 MA's), (118, 33428), (165, 33326), (182, 33296), (213, 33266), (329, 33098), (392, 32978), (438, 32876), (476, 32795), (497, 32735), (501, 32729), (522, 32669), (569, 32537), (593, 32489), (664, 32417), (668, 32408), (679, 32396), (733, 32327), (836, 32021), (837, 32018), (848, 31979), (853, 31952), (855, 31946), (874, 31880), (876, 31874), (880, 31868), (883,

31862), (897, 31838), (905, 31805), (910, 31790), (912, 31781), (970, 31622), (982, 31592), (1049, 31382), (1058, 31355), (1081, 31286),

Gene: MadMarie_48 Start: 31855, Stop: 30041, Start Num: 254
Candidate Starts for MadMarie_48:
(Start: 254 @31855 has 935 MA's), (284, 31816), (289, 31804), (386, 31651), (395, 31636), (426, 31579), (449, 31522), (455, 31513), (474, 31471), (494, 31420), (514, 31369), (591, 31276), (609, 31228), (618, 31219), (626, 31204), (647, 31165), (666, 31138), (680, 31108), (727, 31015), (734, 31003), (758, 30955), (767, 30940), (819, 30784), (847, 30697), (859, 30649), (862, 30631), (875, 30592), (905, 30520), (920, 30481), (929, 30457), (935, 30439), (946, 30406), (956, 30379), (985, 30325), (1007, 30265), (1041, 30187), (1060, 30130), (1065, 30118), (1071, 30109),

Gene: MaeLinda_39 Start: 28934, Stop: 27069, Start Num: 339
Candidate Starts for MaeLinda_39:
(Start: 275 @29021 has 3 MA's), (Start: 277 @29018 has 1 MA's), (Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (472, 28658), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (587, 28361), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (725, 28127), (749, 28067), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (884, 27665), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: Mag7_61 Start: 54187, Stop: 52328, Start Num: 215
Candidate Starts for Mag7_61:
(Start: 198 @54211 has 1 MA's), (Start: 215 @54187 has 328 MA's), (Start: 245 @54163 has 14 MA's), (Start: 258 @54157 has 2 MA's), (Start: 288 @54115 has 1 MA's), (300, 54094), (360, 53980), (363, 53974), (382, 53944), (418, 53884), (425, 53863), (442, 53809), (454, 53797), (464, 53779), (469, 53767), (511, 53662), (567, 53605), (590, 53569), (594, 53557), (603, 53533), (609, 53521), (620, 53503), (630, 53485), (641, 53467), (666, 53428), (670, 53419), (671, 53416), (673, 53413), (813, 53056), (820, 53023), (827, 53002), (856, 52909), (859, 52900), (881, 52837), (904, 52801), (905, 52798), (910, 52783), (939, 52705), (944, 52693), (950, 52672), (970, 52633), (1007, 52543), (1018, 52525), (1021, 52519), (1029, 52504), (1039, 52480), (1041, 52465), (1042, 52462), (1044, 52450), (1054, 52426), (1073, 52378), (1084, 52354),

Gene: Magic8_61 Start: 54339, Stop: 52480, Start Num: 215
Candidate Starts for Magic8_61:
(Start: 198 @54363 has 1 MA's), (Start: 215 @54339 has 328 MA's), (Start: 245 @54315 has 14 MA's), (Start: 258 @54309 has 2 MA's), (Start: 288 @54267 has 1 MA's), (300, 54246), (360, 54132), (363, 54126), (382, 54096), (418, 54036), (425, 54015), (442, 53961), (454, 53949), (464, 53931), (469, 53919), (511, 53814), (567, 53757), (590, 53721), (594, 53709), (605, 53682), (620, 53655), (630, 53637), (641, 53619), (666, 53580), (670, 53571), (671, 53568), (673, 53565), (813, 53208), (820, 53175), (827, 53154), (856, 53061), (859, 53052), (881, 52989), (904, 52953), (905, 52950), (910, 52935), (939, 52857), (944, 52845), (950, 52824), (970, 52785), (1007, 52695), (1018, 52677), (1021, 52671), (1029, 52656), (1039, 52632), (1041, 52617), (1042, 52614), (1044, 52602), (1054, 52578), (1073, 52530), (1084, 52506),

Gene: Magnar_44 Start: 35145, Stop: 33328, Start Num: 254
Candidate Starts for Magnar_44:
(Start: 254 @35145 has 935 MA's), (391, 34932), (400, 34917), (436, 34839), (443, 34818), (449, 34812), (455, 34803), (504, 34686), (514, 34659), (591, 34566), (596, 34551), (609, 34518), (639, 34467), (641, 34464), (680, 34398), (701, 34368), (711, 34338), (734, 34293), (755, 34254), (819, 34074), (830, 34044), (834, 34026), (847, 33987), (862, 33921), (904, 33840), (905, 33837), (935, 33756), (1003, 33606), (1004, 33603), (1012, 33567), (1029, 33543), (1034, 33534), (1038, 33522),

(1060, 33447), (1071, 33426),

Gene: Magnito_42 Start: 33719, Stop: 31893, Start Num: 254
Candidate Starts for Magnito_42:
(Start: 254 @33719 has 935 MA's), (391, 33506), (400, 33491), (436, 33413), (439, 33401), (443, 33392), (449, 33386), (455, 33377), (504, 33260), (514, 33233), (591, 33140), (596, 33125), (609, 33092), (639, 33041), (641, 33038), (675, 32984), (680, 32972), (701, 32942), (711, 32912), (734, 32867), (755, 32828), (819, 32648), (834, 32600), (836, 32597), (847, 32561), (862, 32495), (875, 32456), (899, 32435), (904, 32414), (910, 32396), (935, 32330), (1003, 32180), (1004, 32177), (1012, 32141), (1029, 32117), (1034, 32108), (1038, 32096), (1052, 32048), (1060, 32021), (1071, 32000),

Gene: Magpie_52 Start: 53908, Stop: 52085, Start Num: 208
Candidate Starts for Magpie_52:
(Start: 190 @53926 has 4 MA's), (Start: 208 @53908 has 32 MA's), (Start: 258 @53884 has 2 MA's), (280, 53857), (Start: 288 @53842 has 1 MA's), (300, 53821), (353, 53734), (415, 53629), (425, 53602), (430, 53587), (464, 53521), (477, 53491), (481, 53482), (487, 53479), (489, 53476), (496, 53449), (511, 53413), (567, 53356), (582, 53338), (590, 53320), (594, 53308), (605, 53281), (641, 53218), (666, 53179), (670, 53170), (671, 53167), (684, 53137), (706, 53101), (783, 52915), (796, 52876), (797, 52873), (806, 52837), (813, 52813), (820, 52780), (854, 52672), (856, 52666), (859, 52657), (904, 52558), (905, 52555), (910, 52540), (939, 52462), (944, 52450), (950, 52429), (953, 52420), (970, 52390), (985, 52360), (1000, 52333), (1007, 52300), (1021, 52276), (1039, 52237), (1042, 52219), (1044, 52207), (1054, 52183), (1070, 52141), (1073, 52135), (1084, 52111),

Gene: Magritte_69 Start: 57483, Stop: 60149, Start Num: 266
Candidate Starts for Magritte_69:
(192, 57381), (193, 57384), (Start: 266 @57483 has 1 MA's), (315, 57561), (356, 57648), (424, 57801), (437, 57840), (467, 57936), (471, 57945), (495, 58011), (503, 58035), (517, 58077), (572, 58266), (576, 58278), (579, 58284), (594, 58326), (626, 58404), (661, 58467), (664, 58470), (673, 58491), (723, 58602), (734, 58632), (755, 58698), (771, 58740), (794, 58818), (811, 58884), (818, 58926), (831, 58980), (868, 59178), (886, 59244), (900, 59298), (910, 59340), (913, 59352), (914, 59355), (931, 59412), (984, 59565), (999, 59613), (1002, 59622), (1012, 59667), (1041, 59751), (1047, 59775), (1073, 59859), (1078, 59871), (1099, 59922), (1103, 59931), (1121, 59997), (1123, 60063), (1124, 60138),

Gene: Mahdia_44 Start: 34961, Stop: 32724, Start Num: 11
Candidate Starts for Mahdia_44:
(5, 35099), (Start: 11 @34961 has 3 MA's), (32, 34808), (33, 34805), (Start: 45 @34754 has 21 MA's), (98, 34676), (138, 34622), (186, 34610), (209, 34580), (Start: 218 @34568 has 14 MA's), (225, 34556), (247, 34526), (305, 34448), (Start: 327 @34424 has 11 MA's), (338, 34421), (347, 34400), (442, 34199), (467, 34163), (474, 34148), (501, 34091), (509, 34070), (511, 34064), (514, 34055), (566, 34013), (590, 33974), (616, 33911), (636, 33878), (648, 33860), (654, 33851), (671, 33821), (684, 33791), (747, 33671), (796, 33527), (803, 33497), (806, 33488), (813, 33464), (820, 33431), (850, 33350), (854, 33326), (856, 33320), (881, 33248), (902, 33221), (904, 33212), (905, 33209), (910, 33194), (920, 33170), (939, 33116), (944, 33104), (995, 32990), (1000, 32975), (1041, 32864), (1042, 32861), (1050, 32837), (1054, 32825), (1073, 32774), (1084, 32750),

Gene: Maih_47 Start: 39368, Stop: 37368, Start Num: 327
Candidate Starts for Maih_47:
(Start: 327 @39368 has 11 MA's), (371, 39299), (435, 39167), (437, 39161), (438, 39155), (463, 39107), (467, 39095), (470, 39089), (477, 39068), (485, 39053), (507, 38984), (550, 38843), (589, 38747), (628, 38660), (645, 38636), (653, 38624), (662, 38612), (700, 38543), (759, 38396), (801, 38291), (806, 38276), (822, 38219), (829, 38198), (841, 38156), (848, 38126), (855, 38093), (867, 38039), (874, 38009), (891, 37940), (899, 37919), (920, 37856), (927, 37838), (931, 37826), (939,

37802), (1007, 37601), (1008, 37598), (1021, 37577), (1038, 37544), (1041, 37526), (1053, 37493), (1060, 37469), (1083, 37421),

Gene: Mainiac_48 Start: 31846, Stop: 30032, Start Num: 254
Candidate Starts for Mainiac_48:
(Start: 254 @31846 has 935 MA's), (284, 31807), (289, 31795), (386, 31642), (395, 31627), (426, 31570), (449, 31513), (455, 31504), (474, 31462), (494, 31411), (514, 31360), (591, 31267), (609, 31219), (618, 31210), (626, 31195), (647, 31156), (666, 31129), (680, 31099), (727, 31006), (758, 30946), (767, 30931), (819, 30775), (847, 30688), (862, 30622), (875, 30583), (905, 30511), (920, 30472), (929, 30448), (935, 30430), (946, 30397), (956, 30370), (985, 30316), (1007, 30256), (1041, 30178), (1060, 30121), (1065, 30109), (1071, 30100),

Gene: MajorMajor_44 Start: 30374, Stop: 28545, Start Num: 253
Candidate Starts for MajorMajor_44:
(Start: 253 @30374 has 33 MA's), (386, 30170), (388, 30167), (391, 30161), (402, 30146), (413, 30131), (425, 30101), (426, 30098), (436, 30068), (449, 30041), (463, 30020), (474, 29990), (514, 29888), (591, 29795), (609, 29747), (618, 29738), (626, 29723), (666, 29657), (708, 29576), (732, 29528), (755, 29483), (819, 29303), (834, 29255), (836, 29252), (847, 29216), (862, 29150), (875, 29111), (899, 29090), (925, 29015), (931, 28997), (946, 28952), (956, 28925), (975, 28889), (985, 28871), (1003, 28835), (1007, 28811), (1041, 28733), (1060, 28676), (1065, 28664), (1071, 28655), (1091, 28607), (1106, 28577), (1112, 28559), (1114, 28556),

Gene: Makemake_44 Start: 35340, Stop: 33514, Start Num: 254
Candidate Starts for Makemake_44:
(Start: 254 @35340 has 935 MA's), (391, 35127), (400, 35112), (426, 35064), (436, 35034), (443, 35013), (449, 35007), (455, 34998), (504, 34881), (514, 34854), (591, 34761), (596, 34746), (609, 34713), (639, 34662), (641, 34659), (680, 34593), (701, 34563), (711, 34533), (734, 34488), (755, 34449), (819, 34269), (830, 34239), (834, 34221), (836, 34218), (847, 34182), (862, 34116), (904, 34035), (905, 34032), (935, 33951), (1003, 33801), (1004, 33798), (1012, 33762), (1029, 33738), (1034, 33729), (1038, 33717), (1060, 33642), (1071, 33621),

Gene: Makima_41 Start: 30406, Stop: 28625, Start Num: 245
Candidate Starts for Makima_41:
(76, 30742), (87, 30718), (125, 30610), (128, 30601), (130, 30598), (157, 30535), (194, 30475), (197, 30472), (Start: 245 @30406 has 14 MA's), (328, 30283), (356, 30235), (437, 30097), (467, 30043), (474, 30025), (506, 29962), (509, 29956), (517, 29932), (591, 29863), (617, 29809), (632, 29782), (647, 29755), (657, 29740), (692, 29677), (721, 29620), (734, 29596), (736, 29590), (755, 29554), (759, 29542), (774, 29518), (815, 29404), (819, 29383), (822, 29377), (851, 29281), (856, 29257), (862, 29230), (875, 29191), (906, 29116), (932, 29047), (946, 29005), (984, 28909), (1008, 28843), (1035, 28792), (1037, 28786), (1042, 28762), (1045, 28744), (1054, 28729), (1093, 28636),

Gene: MakoManhole_51 Start: 47082, Stop: 45265, Start Num: 251
Candidate Starts for MakoManhole_51:
(Start: 251 @47082 has 15 MA's), (Start: 258 @47073 has 2 MA's), (280, 47046), (287, 47034), (300, 47010), (305, 47001), (360, 46905), (388, 46863), (409, 46827), (437, 46752), (477, 46677), (511, 46599), (567, 46542), (590, 46506), (594, 46494), (603, 46470), (658, 46377), (671, 46353), (679, 46335), (796, 46062), (806, 46023), (814, 45993), (820, 45966), (854, 45858), (856, 45852), (859, 45843), (902, 45753), (904, 45744), (905, 45741), (910, 45726), (939, 45648), (944, 45636), (945, 45630), (950, 45615), (974, 45567), (1000, 45519), (1007, 45486), (1021, 45462), (1039, 45423), (1040, 45411), (1041, 45408), (1054, 45363), (1073, 45315), (1084, 45291), (1091, 45270),

Gene: Malec_45 Start: 32164, Stop: 30371, Start Num: 254
Candidate Starts for Malec_45:

(Start: 254 @32164 has 935 MA's), (386, 31960), (388, 31957), (391, 31951), (413, 31921), (426, 31888), (427, 31885), (436, 31858), (449, 31831), (474, 31780), (514, 31678), (591, 31585), (609, 31537), (618, 31528), (626, 31513), (666, 31447), (708, 31366), (732, 31318), (734, 31312), (798, 31174), (819, 31093), (836, 31036), (846, 31003), (855, 30964), (862, 30934), (875, 30895), (899, 30874), (904, 30853), (983, 30661), (985, 30655), (1003, 30619), (1007, 30595), (1037, 30538), (1041, 30517), (1060, 30460), (1065, 30448), (1071, 30439),

Gene: Malinsilva_50 Start: 31845, Stop: 30031, Start Num: 254
Candidate Starts for Malinsilva_50:
(Start: 254 @31845 has 935 MA's), (284, 31806), (289, 31794), (386, 31641), (395, 31626), (426, 31569), (449, 31512), (455, 31503), (474, 31461), (494, 31410), (514, 31359), (591, 31266), (609, 31218), (618, 31209), (626, 31194), (647, 31155), (666, 31128), (680, 31098), (727, 31005), (734, 30993), (758, 30945), (767, 30930), (819, 30774), (847, 30687), (862, 30621), (875, 30582), (905, 30510), (920, 30471), (929, 30447), (935, 30429), (946, 30396), (956, 30369), (985, 30315), (1007, 30255), (1041, 30177), (1060, 30120), (1065, 30108), (1071, 30099),

Gene: Malvina_41 Start: 31742, Stop: 29403, Start Num: 63
Candidate Starts for Malvina_41:
(42, 31784), (Start: 56 @31757 has 1 MA's), (63, 31742), (74, 31706), (165, 31511), (Start: 342 @31274 has 5 MA's), (367, 31217), (392, 31181), (403, 31166), (424, 31124), (426, 31118), (434, 31094), (459, 31040), (476, 30998), (541, 30800), (560, 30758), (569, 30740), (664, 30620), (733, 30527), (736, 30518), (754, 30482), (774, 30443), (778, 30431), (816, 30290), (830, 30248), (862, 30128), (874, 30092), (876, 30086), (880, 30080), (883, 30074), (897, 30050), (905, 30017), (912, 29993), (925, 29948), (947, 29882), (991, 29774), (1009, 29705), (1011, 29699), (1013, 29693), (1027, 29669), (1050, 29591), (1054, 29579), (1058, 29567), (1064, 29543), (1072, 29522), (1081, 29498), (1101, 29453), (1108, 29435),

Gene: Maminiaina_44 Start: 31324, Stop: 29531, Start Num: 254
Candidate Starts for Maminiaina_44:
(Start: 254 @31324 has 935 MA's), (261, 31315), (334, 31213), (369, 31153), (371, 31150), (386, 31120), (391, 31111), (413, 31078), (426, 31045), (427, 31042), (436, 31015), (441, 31000), (449, 30988), (514, 30835), (591, 30742), (666, 30604), (680, 30574), (767, 30403), (785, 30376), (787, 30370), (819, 30247), (859, 30112), (862, 30094), (904, 30013), (946, 29896), (1003, 29779), (1007, 29755), (1041, 29677), (1060, 29620), (1065, 29608), (1071, 29599),

Gene: ManRay_38 Start: 28632, Stop: 26767, Start Num: 339
Candidate Starts for ManRay_38:
(Start: 275 @28719 has 3 MA's), (Start: 277 @28716 has 1 MA's), (Start: 339 @28632 has 121 MA's), (Start: 342 @28623 has 5 MA's), (392, 28518), (398, 28509), (418, 28479), (419, 28476), (472, 28356), (476, 28344), (478, 28338), (518, 28233), (525, 28206), (582, 28065), (587, 28059), (588, 28056), (591, 28044), (600, 28017), (601, 28014), (612, 27999), (634, 27993), (637, 27987), (657, 27954), (725, 27825), (749, 27765), (855, 27450), (858, 27441), (859, 27438), (862, 27420), (876, 27378), (880, 27372), (884, 27363), (895, 27348), (912, 27291), (970, 27132), (982, 27102), (985, 27093), (1004, 27033), (1007, 27009), (1025, 26970), (1039, 26937), (1040, 26925), (1058, 26865),

Gene: Mana_59 Start: 54023, Stop: 52164, Start Num: 215
Candidate Starts for Mana_59:
(Start: 198 @54047 has 1 MA's), (Start: 215 @54023 has 328 MA's), (Start: 245 @53999 has 14 MA's), (Start: 258 @53993 has 2 MA's), (Start: 288 @53951 has 1 MA's), (300, 53930), (360, 53816), (363, 53810), (382, 53780), (418, 53720), (425, 53699), (442, 53645), (454, 53633), (464, 53615), (469, 53603), (511, 53498), (567, 53441), (590, 53405), (594, 53393), (605, 53366), (620, 53339), (630, 53321), (641, 53303), (666, 53264), (670, 53255), (671, 53252), (813, 52892), (820, 52859), (827, 52838), (856, 52745), (859, 52736), (881, 52673), (904, 52637), (905, 52634), (910, 52619),

(939, 52541), (944, 52529), (950, 52508), (970, 52469), (1007, 52379), (1018, 52361), (1021, 52355), (1029, 52340), (1039, 52316), (1041, 52301), (1042, 52298), (1044, 52286), (1054, 52262), (1073, 52214), (1084, 52190),

Gene: Manad_60 Start: 54307, Stop: 52448, Start Num: 215
Candidate Starts for Manad_60:
(Start: 198 @54331 has 1 MA's), (Start: 215 @54307 has 328 MA's), (Start: 245 @54283 has 14 MA's), (Start: 258 @54277 has 2 MA's), (Start: 288 @54235 has 1 MA's), (300, 54214), (360, 54100), (363, 54094), (382, 54064), (418, 54004), (425, 53983), (442, 53929), (454, 53917), (464, 53899), (469, 53887), (511, 53782), (567, 53725), (590, 53689), (594, 53677), (603, 53653), (609, 53641), (620, 53623), (630, 53605), (641, 53587), (666, 53548), (670, 53539), (671, 53536), (673, 53533), (813, 53176), (820, 53143), (827, 53122), (856, 53029), (859, 53020), (881, 52957), (904, 52921), (905, 52918), (910, 52903), (939, 52825), (944, 52813), (950, 52792), (970, 52753), (1007, 52663), (1018, 52645), (1021, 52639), (1029, 52624), (1039, 52600), (1041, 52585), (1042, 52582), (1044, 52570), (1054, 52546), (1073, 52498), (1084, 52474),

Gene: Manatee_45 Start: 34036, Stop: 32210, Start Num: 254
Candidate Starts for Manatee_45:
(Start: 254 @34036 has 935 MA's), (391, 33823), (426, 33760), (436, 33730), (443, 33709), (449, 33703), (455, 33694), (504, 33577), (514, 33550), (591, 33457), (596, 33442), (639, 33358), (641, 33355), (680, 33289), (701, 33259), (711, 33229), (734, 33184), (755, 33145), (819, 32965), (834, 32917), (836, 32914), (847, 32878), (862, 32812), (875, 32773), (899, 32752), (904, 32731), (910, 32713), (935, 32647), (1003, 32497), (1004, 32494), (1012, 32458), (1029, 32434), (1034, 32425), (1038, 32413), (1060, 32338), (1071, 32317),

Gene: Mandalorian_37 Start: 28518, Stop: 26617, Start Num: 337
Candidate Starts for Mandalorian_37:
(Start: 337 @28518 has 44 MA's), (398, 28395), (408, 28380), (418, 28365), (430, 28332), (434, 28323), (438, 28308), (459, 28272), (465, 28257), (476, 28230), (478, 28224), (496, 28173), (511, 28134), (531, 28074), (582, 27948), (588, 27939), (591, 27927), (601, 27897), (634, 27876), (654, 27840), (731, 27693), (749, 27648), (791, 27537), (845, 27342), (855, 27300), (862, 27270), (876, 27228), (895, 27198), (902, 27177), (912, 27141), (1004, 26883), (1007, 26859), (1022, 26826), (1025, 26820), (1058, 26715),

Gene: Manu_48 Start: 31753, Stop: 29939, Start Num: 254
Candidate Starts for Manu_48:
(Start: 254 @31753 has 935 MA's), (284, 31714), (289, 31702), (386, 31549), (395, 31534), (426, 31477), (449, 31420), (455, 31411), (474, 31369), (494, 31318), (514, 31267), (591, 31174), (609, 31126), (626, 31102), (647, 31063), (666, 31036), (680, 31006), (727, 30913), (734, 30901), (758, 30853), (767, 30838), (819, 30682), (836, 30631), (846, 30598), (847, 30595), (862, 30529), (875, 30490), (905, 30418), (920, 30379), (929, 30355), (935, 30337), (946, 30304), (985, 30223), (1007, 30163), (1018, 30145), (1041, 30085), (1043, 30076), (1060, 30028), (1065, 30016), (1071, 30007),

Gene: MarQuardt_48 Start: 31854, Stop: 30040, Start Num: 254
Candidate Starts for MarQuardt_48:
(Start: 254 @31854 has 935 MA's), (284, 31815), (289, 31803), (386, 31650), (395, 31635), (426, 31578), (449, 31521), (455, 31512), (474, 31470), (494, 31419), (514, 31368), (591, 31275), (609, 31227), (618, 31218), (626, 31203), (647, 31164), (666, 31137), (680, 31107), (727, 31014), (758, 30954), (767, 30939), (819, 30783), (847, 30696), (862, 30630), (875, 30591), (905, 30519), (920, 30480), (929, 30456), (935, 30438), (946, 30405), (956, 30378), (985, 30324), (1007, 30264), (1041, 30186), (1060, 30129), (1065, 30117), (1071, 30108),

Gene: Marcell_43 Start: 34431, Stop: 32605, Start Num: 254

Candidate Starts for Marcell_43:
(Start: 254 @34431 has 935 MA's), (391, 34218), (400, 34203), (426, 34155), (436, 34125), (443, 34104), (449, 34098), (455, 34089), (504, 33972), (514, 33945), (591, 33852), (596, 33837), (639, 33753), (641, 33750), (680, 33684), (701, 33654), (711, 33624), (734, 33579), (755, 33540), (819, 33360), (834, 33312), (836, 33309), (847, 33273), (862, 33207), (875, 33168), (899, 33147), (904, 33126), (910, 33108), (935, 33042), (1003, 32892), (1004, 32889), (1012, 32853), (1029, 32829), (1034, 32820), (1038, 32808), (1060, 32733), (1071, 32712),

Gene: Marchesa_45 Start: 31433, Stop: 29595, Start Num: 254
Candidate Starts for Marchesa_45:
(202, 31505), (Start: 254 @31433 has 935 MA's), (289, 31382), (386, 31229), (422, 31169), (426, 31157), (449, 31100), (455, 31091), (463, 31079), (505, 30971), (514, 30947), (591, 30851), (611, 30803), (647, 30743), (683, 30680), (719, 30611), (732, 30590), (767, 30521), (770, 30515), (787, 30476), (819, 30353), (847, 30266), (855, 30230), (862, 30200), (873, 30170), (905, 30089), (920, 30050), (929, 30026), (935, 30008), (985, 29879), (1007, 29819), (1060, 29684), (1065, 29672), (1071, 29663),

Gene: Marchy_39 Start: 31191, Stop: 29365, Start Num: 254
Candidate Starts for Marchy_39:
(Start: 254 @31191 has 935 MA's), (391, 30978), (400, 30963), (436, 30885), (443, 30864), (449, 30858), (455, 30849), (504, 30732), (514, 30705), (591, 30612), (596, 30597), (639, 30513), (641, 30510), (680, 30444), (701, 30414), (711, 30384), (734, 30339), (755, 30300), (819, 30120), (830, 30090), (834, 30072), (836, 30069), (847, 30033), (862, 29967), (904, 29886), (905, 29883), (935, 29802), (1003, 29652), (1004, 29649), (1012, 29613), (1029, 29589), (1034, 29580), (1038, 29568), (1043, 29541), (1060, 29493), (1071, 29472),

Gene: Marco3_47 Start: 35533, Stop: 33704, Start Num: 254
Candidate Starts for Marco3_47:
(Start: 254 @35533 has 935 MA's), (391, 35320), (400, 35305), (436, 35227), (443, 35206), (449, 35200), (455, 35191), (504, 35074), (514, 35047), (591, 34954), (596, 34939), (609, 34906), (639, 34855), (641, 34852), (680, 34786), (701, 34756), (711, 34726), (734, 34681), (755, 34642), (819, 34462), (834, 34414), (850, 34366), (859, 34327), (862, 34309), (875, 34270), (899, 34249), (904, 34228), (909, 34213), (953, 34090), (1035, 33919), (1040, 33895), (1057, 33847), (1060, 33835), (1071, 33814), (1075, 33808), (1094, 33760), (1101, 33745),

Gene: Mareelih_171 Start: 99155, Stop: 97374, Start Num: 256
Candidate Starts for Mareelih_171:
(Start: 256 @99155 has 51 MA's), (289, 99110), (Start: 304 @99083 has 2 MA's), (369, 98990), (409, 98930), (411, 98927), (416, 98918), (425, 98894), (438, 98852), (439, 98849), (467, 98804), (491, 98762), (512, 98708), (591, 98624), (632, 98540), (647, 98513), (657, 98498), (740, 98339), (755, 98315), (761, 98300), (767, 98291), (801, 98204), (809, 98177), (810, 98174), (815, 98153), (819, 98132), (835, 98081), (859, 97997), (864, 97970), (873, 97937), (891, 97895), (932, 97784), (941, 97757), (954, 97721), (959, 97712), (960, 97709), (966, 97700), (1008, 97580), (1021, 97559), (1024, 97553), (1039, 97520), (1042, 97502), (1043, 97496), (1056, 97463), (1060, 97448), (1076, 97424), (1077, 97421), (1087, 97397),

Gene: Margaret_49 Start: 33864, Stop: 31474, Start Num: 57
Candidate Starts for Margaret_49:
(28, 33993), (30, 33984), (Start: 57 @33864 has 26 MA's), (Start: 82 @33798 has 1 MA's), (112, 33732), (129, 33675), (152, 33636), (165, 33612), (176, 33591), (Start: 210 @33570 has 3 MA's), (260, 33501), (294, 33453), (303, 33438), (333, 33390), (371, 33309), (376, 33297), (417, 33228), (426, 33204), (434, 33180), (469, 33105), (476, 33084), (497, 33024), (515, 32979), (530, 32931), (567, 32823), (569, 32817), (609, 32736), (668, 32688), (722, 32628), (754, 32556), (774, 32514), (778,

32502), (816, 32361), (823, 32337), (827, 32322), (841, 32286), (862, 32193), (874, 32157), (876, 32151), (883, 32139), (897, 32115), (912, 32058), (915, 32040), (947, 31947), (979, 31878), (988, 31851), (991, 31839), (993, 31836), (1004, 31800), (1006, 31779), (1020, 31746), (1032, 31728), (1049, 31659), (1058, 31632), (1064, 31608), (1108, 31500), (1113, 31488),

Gene: Marge_45 Start: 35242, Stop: 33455, Start Num: 254
Candidate Starts for Marge_45:
(Start: 254 @35242 has 935 MA's), (391, 35029), (400, 35014), (436, 34936), (443, 34915), (449, 34909), (455, 34900), (494, 34807), (504, 34783), (514, 34756), (591, 34663), (596, 34648), (609, 34615), (639, 34564), (641, 34561), (680, 34495), (701, 34465), (711, 34435), (734, 34390), (755, 34351), (819, 34171), (834, 34123), (847, 34084), (862, 34018), (902, 33946), (904, 33937), (935, 33853), (971, 33766), (1029, 33640), (1035, 33628), (1060, 33544), (1063, 33538),

Gene: Margo_44 Start: 31623, Stop: 29785, Start Num: 254
Candidate Starts for Margo_44:
(Start: 254 @31623 has 935 MA's), (289, 31572), (386, 31419), (426, 31347), (436, 31317), (449, 31290), (455, 31281), (514, 31137), (591, 31041), (611, 30993), (647, 30933), (702, 30846), (719, 30801), (732, 30780), (768, 30708), (787, 30666), (798, 30624), (819, 30543), (834, 30495), (847, 30456), (855, 30420), (862, 30390), (873, 30360), (905, 30279), (920, 30240), (929, 30216), (935, 30198), (936, 30195), (985, 30069), (1007, 30009), (1043, 29922), (1060, 29874), (1065, 29862), (1071, 29853),

Gene: Marie_48 Start: 31852, Stop: 30038, Start Num: 254
Candidate Starts for Marie_48:
(Start: 254 @31852 has 935 MA's), (284, 31813), (289, 31801), (386, 31648), (395, 31633), (426, 31576), (449, 31519), (455, 31510), (474, 31468), (494, 31417), (514, 31366), (591, 31273), (609, 31225), (618, 31216), (626, 31201), (647, 31162), (666, 31135), (680, 31105), (727, 31012), (758, 30952), (767, 30937), (819, 30781), (847, 30694), (862, 30628), (875, 30589), (905, 30517), (920, 30478), (929, 30454), (935, 30436), (946, 30403), (956, 30376), (985, 30322), (1007, 30262), (1041, 30184), (1060, 30127), (1065, 30115), (1071, 30106),

Gene: Mariokart_50 Start: 45633, Stop: 43816, Start Num: 251
Candidate Starts for Mariokart_50:
(108, 45906), (117, 45873), (Start: 251 @45633 has 15 MA's), (280, 45597), (287, 45585), (Start: 288 @45582 has 1 MA's), (305, 45552), (378, 45426), (409, 45378), (437, 45303), (469, 45246), (503, 45171), (511, 45150), (590, 45057), (658, 44928), (671, 44904), (706, 44838), (719, 44805), (796, 44613), (800, 44592), (806, 44574), (820, 44517), (856, 44403), (859, 44394), (905, 44292), (910, 44277), (939, 44199), (944, 44187), (950, 44166), (953, 44157), (983, 44103), (1000, 44070), (1007, 44037), (1008, 44034), (1029, 43998), (1039, 43974), (1054, 43914), (1084, 43842), (1091, 43821),

Gene: Marius_49 Start: 31750, Stop: 29936, Start Num: 254
Candidate Starts for Marius_49:
(Start: 254 @31750 has 935 MA's), (284, 31711), (289, 31699), (386, 31546), (395, 31531), (426, 31474), (449, 31417), (455, 31408), (474, 31366), (494, 31315), (514, 31264), (591, 31171), (609, 31123), (626, 31099), (647, 31060), (666, 31033), (680, 31003), (727, 30910), (734, 30898), (758, 30850), (767, 30835), (819, 30679), (836, 30628), (846, 30595), (847, 30592), (862, 30526), (875, 30487), (905, 30415), (920, 30376), (929, 30352), (935, 30334), (946, 30301), (985, 30220), (1007, 30160), (1018, 30142), (1041, 30082), (1043, 30073), (1060, 30025), (1065, 30013), (1071, 30004),

Gene: Marley1013_59 Start: 54530, Stop: 52713, Start Num: 256
Candidate Starts for Marley1013_59:
(65, 54914), (137, 54713), (Start: 256 @54530 has 51 MA's), (280, 54500), (391, 54320), (463, 54167), (467, 54155), (481, 54125), (489, 54119), (511, 54056), (513, 54050), (567, 53999), (590, 53963),

(609, 53915), (671, 53810), (718, 53714), (747, 53663), (796, 53519), (806, 53480), (814, 53450), (820, 53423), (824, 53411), (854, 53315), (856, 53309), (859, 53300), (861, 53288), (893, 53216), (904, 53186), (910, 53168), (915, 53159), (939, 53090), (944, 53078), (950, 53057), (985, 52988), (996, 52973), (1004, 52949), (1021, 52904), (1039, 52865), (1042, 52847), (1044, 52835), (1050, 52823), (1054, 52811), (1070, 52769), (1084, 52739),

Gene: Marlia_59 Start: 54105, Stop: 52288, Start Num: 256
Candidate Starts for Marlia_59:
(137, 54288), (Start: 256 @54105 has 51 MA's), (280, 54075), (391, 53895), (463, 53742), (467, 53730), (481, 53700), (489, 53694), (511, 53631), (513, 53625), (567, 53574), (590, 53538), (609, 53490), (671, 53385), (718, 53289), (747, 53238), (796, 53094), (806, 53055), (814, 53025), (820, 52998), (824, 52986), (854, 52890), (856, 52884), (859, 52875), (861, 52863), (893, 52791), (904, 52761), (910, 52743), (915, 52734), (939, 52665), (944, 52653), (950, 52632), (985, 52563), (996, 52548), (1004, 52524), (1007, 52503), (1021, 52479), (1039, 52440), (1042, 52422), (1044, 52410), (1050, 52398), (1054, 52386), (1070, 52344), (1084, 52314),

Gene: Maroc7_43 Start: 34287, Stop: 32461, Start Num: 254
Candidate Starts for Maroc7_43:
(Start: 254 @34287 has 935 MA's), (391, 34074), (400, 34059), (426, 34011), (436, 33981), (443, 33960), (449, 33954), (455, 33945), (504, 33828), (514, 33801), (591, 33708), (596, 33693), (609, 33660), (639, 33609), (641, 33606), (680, 33540), (711, 33480), (734, 33435), (755, 33396), (819, 33216), (834, 33168), (847, 33129), (862, 33063), (875, 33024), (899, 33003), (904, 32982), (910, 32964), (935, 32898), (1003, 32748), (1004, 32745), (1012, 32709), (1029, 32685), (1034, 32676), (1038, 32664), (1043, 32637), (1060, 32589), (1071, 32568),

Gene: Marsha_45 Start: 35798, Stop: 33972, Start Num: 254
Candidate Starts for Marsha_45:
(Start: 254 @35798 has 935 MA's), (391, 35585), (400, 35570), (426, 35522), (436, 35492), (443, 35471), (449, 35465), (455, 35456), (504, 35339), (514, 35312), (591, 35219), (596, 35204), (639, 35120), (641, 35117), (680, 35051), (711, 34991), (734, 34946), (755, 34907), (819, 34727), (830, 34697), (834, 34679), (836, 34676), (847, 34640), (862, 34574), (904, 34493), (905, 34490), (935, 34409), (1003, 34259), (1004, 34256), (1012, 34220), (1029, 34196), (1038, 34175), (1043, 34148), (1060, 34100), (1071, 34079),

Gene: Martin_40 Start: 28939, Stop: 27074, Start Num: 339
Candidate Starts for Martin_40:
(Start: 275 @29026 has 3 MA's), (Start: 277 @29023 has 1 MA's), (Start: 339 @28939 has 121 MA's), (Start: 342 @28930 has 5 MA's), (392, 28825), (398, 28816), (418, 28786), (419, 28783), (472, 28663), (476, 28651), (478, 28645), (518, 28540), (525, 28513), (582, 28372), (587, 28366), (588, 28363), (591, 28351), (600, 28324), (601, 28321), (612, 28306), (634, 28300), (637, 28294), (657, 28261), (749, 28072), (855, 27757), (858, 27748), (859, 27745), (862, 27727), (876, 27685), (880, 27679), (884, 27670), (895, 27655), (912, 27598), (970, 27439), (982, 27409), (985, 27400), (1004, 27340), (1007, 27316), (1025, 27277), (1039, 27244), (1040, 27232), (1058, 27172),

Gene: Maru_60 Start: 54462, Stop: 52603, Start Num: 215
Candidate Starts for Maru_60:
(Start: 198 @54486 has 1 MA's), (Start: 215 @54462 has 328 MA's), (Start: 245 @54438 has 14 MA's), (Start: 258 @54432 has 2 MA's), (Start: 288 @54390 has 1 MA's), (300, 54369), (360, 54255), (363, 54249), (382, 54219), (418, 54159), (425, 54138), (442, 54084), (454, 54072), (464, 54054), (469, 54042), (511, 53937), (567, 53880), (590, 53844), (594, 53832), (605, 53805), (630, 53760), (641, 53742), (666, 53703), (670, 53694), (671, 53691), (673, 53688), (813, 53331), (820, 53298), (827, 53277), (856, 53184), (859, 53175), (881, 53112), (904, 53076), (905, 53073), (910, 53058), (939, 52980), (944, 52968), (950, 52947), (970, 52908), (1007, 52818), (1018, 52800), (1021, 52794),

(1029, 52779), (1039, 52755), (1041, 52740), (1042, 52737), (1044, 52725), (1054, 52701), (1073, 52653), (1084, 52629),

Gene: MaryBeth_45 Start: 34704, Stop: 32875, Start Num: 254
Candidate Starts for MaryBeth_45:
(Start: 254 @34704 has 935 MA's), (391, 34491), (400, 34476), (426, 34428), (436, 34398), (443, 34377), (449, 34371), (455, 34362), (474, 34320), (504, 34245), (514, 34218), (591, 34125), (596, 34110), (639, 34026), (641, 34023), (680, 33957), (701, 33927), (711, 33897), (734, 33852), (755, 33813), (819, 33633), (834, 33585), (850, 33537), (859, 33498), (862, 33480), (875, 33441), (899, 33420), (904, 33399), (909, 33384), (953, 33261), (1035, 33090), (1040, 33066), (1057, 33018), (1060, 33006), (1071, 32985), (1075, 32979), (1094, 32931), (1101, 32916),

Gene: MarysWell_37 Start: 30459, Stop: 28594, Start Num: 254
Candidate Starts for MarysWell_37:
(Start: 254 @30459 has 935 MA's), (289, 30408), (371, 30285), (386, 30255), (388, 30252), (422, 30195), (436, 30153), (449, 30126), (455, 30117), (505, 29997), (514, 29973), (591, 29877), (599, 29853), (606, 29832), (659, 29745), (666, 29739), (681, 29706), (706, 29667), (727, 29619), (734, 29607), (755, 29568), (819, 29373), (830, 29343), (834, 29325), (846, 29289), (847, 29286), (850, 29277), (862, 29220), (875, 29181), (904, 29139), (910, 29121), (929, 29073), (931, 29067), (946, 29022), (971, 28968), (975, 28959), (985, 28941), (1018, 28863), (1040, 28806), (1053, 28770), (1060, 28746), (1065, 28734),

Gene: Maskar_62 Start: 54257, Stop: 52398, Start Num: 215
Candidate Starts for Maskar_62:
(Start: 198 @54281 has 1 MA's), (Start: 215 @54257 has 328 MA's), (Start: 245 @54233 has 14 MA's), (Start: 258 @54227 has 2 MA's), (Start: 288 @54185 has 1 MA's), (300, 54164), (360, 54050), (363, 54044), (382, 54014), (418, 53954), (425, 53933), (442, 53879), (454, 53867), (464, 53849), (469, 53837), (511, 53732), (567, 53675), (590, 53639), (594, 53627), (603, 53603), (609, 53591), (620, 53573), (630, 53555), (641, 53537), (666, 53498), (670, 53489), (671, 53486), (673, 53483), (783, 53228), (813, 53126), (820, 53093), (827, 53072), (856, 52979), (859, 52970), (881, 52907), (904, 52871), (905, 52868), (910, 52853), (939, 52775), (944, 52763), (950, 52742), (970, 52703), (1007, 52613), (1018, 52595), (1021, 52589), (1029, 52574), (1039, 52550), (1041, 52535), (1042, 52532), (1044, 52520), (1054, 52496), (1060, 52475), (1073, 52448), (1084, 52424),

Gene: MasterPo_57 Start: 52506, Stop: 50677, Start Num: 215
Candidate Starts for MasterPo_57:
(Start: 215 @52506 has 328 MA's), (Start: 258 @52479 has 2 MA's), (Start: 282 @52449 has 7 MA's), (Start: 288 @52437 has 1 MA's), (Start: 304 @52410 has 2 MA's), (305, 52407), (314, 52398), (338, 52380), (388, 52284), (418, 52233), (426, 52209), (433, 52185), (496, 52047), (506, 52023), (511, 52011), (567, 51954), (590, 51918), (594, 51906), (603, 51882), (652, 51798), (670, 51768), (671, 51765), (684, 51735), (753, 51591), (778, 51525), (792, 51486), (796, 51474), (800, 51453), (806, 51435), (820, 51378), (850, 51294), (856, 51264), (859, 51255), (879, 51189), (902, 51162), (904, 51153), (910, 51135), (920, 51111), (939, 51057), (944, 51045), (950, 51024), (985, 50955), (1007, 50895), (1018, 50877), (1035, 50844), (1039, 50832), (1041, 50817), (1042, 50814), (1044, 50802), (1054, 50778), (1055, 50775), (1073, 50727), (1075, 50724), (1084, 50703), (1091, 50682),

Gene: Matalotodo_60 Start: 54575, Stop: 52716, Start Num: 215
Candidate Starts for Matalotodo_60:
(Start: 198 @54599 has 1 MA's), (Start: 215 @54575 has 328 MA's), (Start: 245 @54551 has 14 MA's), (Start: 258 @54545 has 2 MA's), (Start: 288 @54503 has 1 MA's), (300, 54482), (360, 54368), (363, 54362), (382, 54332), (418, 54272), (425, 54251), (442, 54197), (454, 54185), (464, 54167), (469, 54155), (511, 54050), (567, 53993), (590, 53957), (594, 53945), (605, 53918), (620, 53891), (630, 53873), (641, 53855), (666, 53816), (670, 53807), (671, 53804), (783, 53546), (813, 53444),

(820, 53411), (827, 53390), (856, 53297), (859, 53288), (881, 53225), (904, 53189), (905, 53186), (910, 53171), (939, 53093), (944, 53081), (950, 53060), (970, 53021), (1007, 52931), (1018, 52913), (1021, 52907), (1029, 52892), (1039, 52868), (1041, 52853), (1042, 52850), (1044, 52838), (1054, 52814), (1073, 52766), (1084, 52742),

Gene: Maureen_42 Start: 31379, Stop: 33223, Start Num: 254
Candidate Starts for Maureen_42:
(Start: 161 @31253 has 1 MA's), (164, 31256), (Start: 254 @31379 has 935 MA's), (436, 31676), (593, 31952), (642, 32054), (657, 32075), (732, 32213), (762, 32276), (819, 32471), (822, 32477), (830, 32501), (847, 32558), (860, 32615), (862, 32624), (910, 32741), (929, 32789), (999, 32948), (1003, 32960), (1037, 33041), (1060, 33119), (1081, 33164),

Gene: Maverick_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Maverick_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Maxo_46 Start: 31572, Stop: 29746, Start Num: 254
Candidate Starts for Maxo_46:
(Start: 254 @31572 has 935 MA's), (271, 31551), (289, 31521), (305, 31491), (413, 31329), (421, 31311), (449, 31239), (455, 31230), (505, 31110), (514, 31086), (591, 30993), (611, 30945), (626, 30924), (647, 30885), (719, 30753), (732, 30732), (755, 30687), (759, 30675), (815, 30522), (819, 30501), (855, 30378), (862, 30348), (875, 30309), (904, 30243), (905, 30240), (910, 30225), (920, 30201), (929, 30177), (1007, 29970), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: Mayonnaise_44 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Mayonnaise_44:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Mayweather_49 Start: 35337, Stop: 32956, Start Num: 58
Candidate Starts for Mayweather_49:
(Start: 58 @35337 has 15 MA's), (80, 35277), (115, 35196), (165, 35076), (213, 35031), (270, 34953), (Start: 275 @34947 has 3 MA's), (Start: 277 @34944 has 1 MA's), (297, 34914), (319, 34875), (323, 34866), (Start: 342 @34836 has 5 MA's), (367, 34779), (392, 34740), (406, 34719), (426, 34677), (429, 34668), (434, 34653), (437, 34644), (441, 34632), (459, 34599), (461, 34596), (469, 34578), (476, 34557), (537, 34374), (569, 34299), (591, 34257), (668, 34170), (716, 34122), (730, 34092), (733, 34086), (754, 34041), (755, 34038), (761, 34023), (773, 34002), (798, 33918), (807, 33888), (823, 33828), (825, 33819), (830, 33804), (836, 33789), (841, 33777), (862, 33684), (874, 33648), (876, 33642), (880, 33636), (883, 33630), (905, 33573), (912, 33549), (945, 33444), (946, 33441), (970, 33390), (986, 33348), (991, 33330), (1004, 33291), (1013, 33249), (1027, 33225), (1050, 33147), (1058, 33123), (1072, 33078), (1099, 33012), (1108, 32991), (1109, 32985), (1113, 32979),

Gene: Mazhar510_45 Start: 31571, Stop: 29745, Start Num: 254
Candidate Starts for Mazhar510_45:
(Start: 254 @31571 has 935 MA's), (271, 31550), (289, 31520), (305, 31490), (413, 31328), (421, 31310), (449, 31238), (455, 31229), (505, 31109), (514, 31085), (591, 30992), (611, 30944), (626,

30923), (647, 30884), (719, 30752), (732, 30731), (755, 30686), (759, 30674), (815, 30521), (819, 30500), (855, 30377), (862, 30347), (875, 30308), (904, 30242), (905, 30239), (910, 30224), (920, 30200), (929, 30176), (1007, 29969), (1060, 29834), (1065, 29822), (1071, 29813),

Gene: McDazzle_47 Start: 34382, Stop: 32007, Start Num: 58
Candidate Starts for McDazzle_47:
(Start: 58 @34382 has 15 MA's), (80, 34322), (115, 34241), (165, 34121), (213, 34076), (270, 33998), (Start: 275 @33992 has 3 MA's), (Start: 277 @33989 has 1 MA's), (297, 33959), (307, 33941), (323, 33911), (341, 33884), (Start: 342 @33881 has 5 MA's), (367, 33824), (378, 33803), (392, 33785), (426, 33722), (434, 33698), (437, 33689), (441, 33677), (459, 33644), (469, 33623), (476, 33602), (537, 33419), (569, 33344), (582, 33323), (591, 33302), (668, 33215), (716, 33167), (730, 33137), (733, 33131), (754, 33086), (755, 33083), (761, 33068), (773, 33047), (774, 33044), (798, 32963), (807, 32933), (823, 32873), (825, 32864), (830, 32849), (836, 32834), (841, 32822), (862, 32729), (874, 32693), (876, 32687), (880, 32681), (883, 32675), (905, 32618), (912, 32594), (945, 32489), (946, 32486), (970, 32435), (986, 32393), (991, 32375), (1004, 32336), (1013, 32294), (1027, 32270), (1039, 32240), (1050, 32192), (1053, 32183), (1058, 32168), (1064, 32144), (1072, 32123), (1095, 32069), (1108, 32036),

Gene: McFly_45 Start: 29627, Stop: 27786, Start Num: 254
Candidate Starts for McFly_45:
(Start: 254 @29627 has 935 MA's), (386, 29423), (426, 29348), (427, 29345), (436, 29318), (441, 29303), (449, 29291), (474, 29240), (510, 29150), (514, 29138), (591, 29045), (605, 29006), (618, 28988), (626, 28973), (666, 28907), (681, 28874), (683, 28871), (735, 28769), (767, 28709), (798, 28625), (819, 28544), (846, 28460), (847, 28457), (850, 28448), (855, 28421), (862, 28391), (899, 28331), (910, 28292), (1003, 28076), (1004, 28073), (1007, 28052), (1060, 27917), (1065, 27905), (1071, 27896), (1073, 27893), (1111, 27800),

Gene: McGalleon_41 Start: 30345, Stop: 28477, Start Num: 339
Candidate Starts for McGalleon_41:
(324, 30360), (Start: 339 @30345 has 121 MA's), (Start: 342 @30336 has 5 MA's), (418, 30192), (419, 30189), (469, 30078), (472, 30069), (476, 30057), (478, 30051), (518, 29946), (544, 29853), (582, 29778), (588, 29769), (591, 29757), (601, 29727), (612, 29712), (634, 29706), (637, 29700), (749, 29478), (855, 29163), (858, 29154), (859, 29151), (862, 29133), (876, 29091), (912, 29001), (918, 28974), (970, 28842), (985, 28803), (1004, 28743), (1007, 28719), (1025, 28680), (1039, 28647), (1040, 28635),

Gene: McGuire_45 Start: 34382, Stop: 32553, Start Num: 254
Candidate Starts for McGuire_45:
(Start: 254 @34382 has 935 MA's), (391, 34169), (426, 34106), (436, 34076), (443, 34055), (449, 34049), (455, 34040), (504, 33923), (514, 33896), (591, 33803), (596, 33788), (609, 33755), (639, 33704), (641, 33701), (675, 33647), (680, 33635), (701, 33605), (711, 33575), (734, 33530), (755, 33491), (819, 33311), (834, 33263), (850, 33215), (859, 33176), (862, 33158), (875, 33119), (899, 33098), (904, 33077), (909, 33062), (953, 32939), (1035, 32768), (1040, 32744), (1057, 32696), (1060, 32684), (1071, 32663), (1075, 32657), (1094, 32609), (1101, 32594),

Gene: McSinger_45 Start: 34792, Stop: 32966, Start Num: 254
Candidate Starts for McSinger_45:
(Start: 254 @34792 has 935 MA's), (391, 34579), (400, 34564), (436, 34486), (443, 34465), (449, 34459), (455, 34450), (504, 34333), (514, 34306), (591, 34213), (596, 34198), (609, 34165), (639, 34114), (641, 34111), (680, 34045), (701, 34015), (711, 33985), (734, 33940), (755, 33901), (819, 33721), (834, 33673), (847, 33634), (862, 33568), (875, 33529), (899, 33508), (904, 33487), (910, 33469), (935, 33403), (1003, 33253), (1004, 33250), (1012, 33214), (1029, 33190), (1034, 33181), (1038, 33169), (1060, 33094), (1071, 33073),

Gene: Mcshane_59 Start: 54021, Stop: 52162, Start Num: 215
Candidate Starts for Mcshane_59:
(Start: 198 @54045 has 1 MA's), (Start: 215 @54021 has 328 MA's), (Start: 245 @53997 has 14 MA's), (Start: 258 @53991 has 2 MA's), (Start: 288 @53949 has 1 MA's), (300, 53928), (360, 53814), (363, 53808), (382, 53778), (418, 53718), (425, 53697), (442, 53643), (454, 53631), (464, 53613), (469, 53601), (511, 53496), (567, 53439), (590, 53403), (594, 53391), (605, 53364), (620, 53337), (630, 53319), (641, 53301), (666, 53262), (670, 53253), (671, 53250), (783, 52992), (813, 52890), (820, 52857), (827, 52836), (856, 52743), (859, 52734), (881, 52671), (904, 52635), (905, 52632), (910, 52617), (939, 52539), (944, 52527), (950, 52506), (970, 52467), (1007, 52377), (1018, 52359), (1021, 52353), (1029, 52338), (1039, 52314), (1041, 52299), (1042, 52296), (1044, 52284), (1054, 52260), (1073, 52212), (1084, 52188),

Gene: Mecca_60 Start: 54586, Stop: 52727, Start Num: 215
Candidate Starts for Mecca_60:
(Start: 198 @54610 has 1 MA's), (Start: 215 @54586 has 328 MA's), (Start: 245 @54562 has 14 MA's), (Start: 258 @54556 has 2 MA's), (Start: 288 @54514 has 1 MA's), (300, 54493), (360, 54379), (363, 54373), (382, 54343), (418, 54283), (425, 54262), (442, 54208), (454, 54196), (464, 54178), (469, 54166), (511, 54061), (567, 54004), (590, 53968), (594, 53956), (603, 53932), (609, 53920), (620, 53902), (630, 53884), (641, 53866), (666, 53827), (670, 53818), (671, 53815), (673, 53812), (813, 53455), (820, 53422), (827, 53401), (856, 53308), (859, 53299), (881, 53236), (904, 53200), (905, 53197), (910, 53182), (939, 53104), (944, 53092), (950, 53071), (970, 53032), (1007, 52942), (1018, 52924), (1021, 52918), (1029, 52903), (1039, 52879), (1041, 52864), (1042, 52861), (1044, 52849), (1054, 52825), (1073, 52777), (1084, 52753),

Gene: Medusa_45 Start: 31569, Stop: 29743, Start Num: 254
Candidate Starts for Medusa_45:
(Start: 254 @31569 has 935 MA's), (271, 31548), (289, 31518), (305, 31488), (413, 31326), (421, 31308), (449, 31236), (455, 31227), (505, 31107), (514, 31083), (591, 30990), (611, 30942), (626, 30921), (647, 30882), (719, 30750), (732, 30729), (755, 30684), (759, 30672), (815, 30519), (819, 30498), (855, 30375), (862, 30345), (875, 30306), (904, 30240), (905, 30237), (910, 30222), (920, 30198), (929, 30174), (1007, 29967), (1060, 29832), (1065, 29820), (1071, 29811),

Gene: MeeZee_45 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for MeeZee_45:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: MegTheThird_43 Start: 30783, Stop: 28990, Start Num: 254
Candidate Starts for MegTheThird_43:
(Start: 254 @30783 has 935 MA's), (261, 30774), (386, 30579), (407, 30546), (413, 30537), (426, 30504), (449, 30447), (463, 30426), (514, 30294), (591, 30201), (606, 30156), (666, 30063), (680, 30033), (759, 29874), (785, 29835), (787, 29829), (819, 29706), (859, 29571), (862, 29553), (904, 29472), (946, 29355), (953, 29334), (1003, 29238), (1007, 29214), (1041, 29136), (1060, 29079), (1065, 29067), (1071, 29058),

Gene: Megamind20_61 Start: 54009, Stop: 52150, Start Num: 215
Candidate Starts for Megamind20_61:
(Start: 198 @54033 has 1 MA's), (Start: 215 @54009 has 328 MA's), (Start: 245 @53985 has 14 MA's), (Start: 258 @53979 has 2 MA's), (Start: 288 @53937 has 1 MA's), (300, 53916), (360, 53802),

(363, 53796), (382, 53766), (418, 53706), (425, 53685), (442, 53631), (454, 53619), (464, 53601), (469, 53589), (511, 53484), (567, 53427), (590, 53391), (594, 53379), (605, 53352), (620, 53325), (630, 53307), (641, 53289), (666, 53250), (670, 53241), (671, 53238), (783, 52980), (813, 52878), (820, 52845), (827, 52824), (856, 52731), (859, 52722), (881, 52659), (904, 52623), (905, 52620), (910, 52605), (939, 52527), (944, 52515), (950, 52494), (970, 52455), (1007, 52365), (1018, 52347), (1021, 52341), (1029, 52326), (1039, 52302), (1041, 52287), (1042, 52284), (1044, 52272), (1054, 52248), (1073, 52200), (1084, 52176),

Gene: Megatron_61 Start: 54535, Stop: 52676, Start Num: 215
Candidate Starts for Megatron_61:
(Start: 198 @54559 has 1 MA's), (Start: 215 @54535 has 328 MA's), (Start: 245 @54511 has 14 MA's), (Start: 258 @54505 has 2 MA's), (Start: 288 @54463 has 1 MA's), (300, 54442), (360, 54328), (363, 54322), (382, 54292), (418, 54232), (425, 54211), (442, 54157), (454, 54145), (464, 54127), (469, 54115), (511, 54010), (567, 53953), (590, 53917), (594, 53905), (605, 53878), (620, 53851), (630, 53833), (641, 53815), (666, 53776), (670, 53767), (671, 53764), (783, 53506), (813, 53404), (820, 53371), (827, 53350), (856, 53257), (859, 53248), (881, 53185), (904, 53149), (905, 53146), (910, 53131), (939, 53053), (944, 53041), (950, 53020), (970, 52981), (1007, 52891), (1018, 52873), (1021, 52867), (1029, 52852), (1039, 52828), (1041, 52813), (1042, 52810), (1044, 52798), (1054, 52774), (1073, 52726), (1084, 52702),

Gene: Melc17_60 Start: 54852, Stop: 52993, Start Num: 215
Candidate Starts for Melc17_60:
(Start: 198 @54876 has 1 MA's), (Start: 215 @54852 has 328 MA's), (Start: 245 @54828 has 14 MA's), (Start: 258 @54822 has 2 MA's), (Start: 288 @54780 has 1 MA's), (300, 54759), (360, 54645), (363, 54639), (382, 54609), (418, 54549), (425, 54528), (442, 54474), (454, 54462), (464, 54444), (469, 54432), (511, 54327), (567, 54270), (590, 54234), (594, 54222), (603, 54198), (609, 54186), (620, 54168), (630, 54150), (641, 54132), (666, 54093), (670, 54084), (671, 54081), (673, 54078), (813, 53721), (820, 53688), (827, 53667), (856, 53574), (859, 53565), (881, 53502), (904, 53466), (905, 53463), (910, 53448), (939, 53370), (944, 53358), (950, 53337), (970, 53298), (1007, 53208), (1018, 53190), (1021, 53184), (1029, 53169), (1039, 53145), (1041, 53130), (1042, 53127), (1044, 53115), (1054, 53091), (1073, 53043), (1084, 53019),

Gene: MelsMeow_61 Start: 54310, Stop: 52451, Start Num: 215
Candidate Starts for MelsMeow_61:
(Start: 198 @54334 has 1 MA's), (Start: 215 @54310 has 328 MA's), (Start: 245 @54286 has 14 MA's), (Start: 258 @54280 has 2 MA's), (Start: 288 @54238 has 1 MA's), (300, 54217), (360, 54103), (363, 54097), (382, 54067), (418, 54007), (425, 53986), (442, 53932), (454, 53920), (464, 53902), (469, 53890), (511, 53785), (567, 53728), (590, 53692), (594, 53680), (605, 53653), (630, 53608), (666, 53551), (670, 53542), (671, 53539), (783, 53281), (813, 53179), (820, 53146), (827, 53125), (856, 53032), (859, 53023), (881, 52960), (904, 52924), (905, 52921), (910, 52906), (939, 52828), (944, 52816), (950, 52795), (970, 52756), (1007, 52666), (1018, 52648), (1021, 52642), (1029, 52627), (1039, 52603), (1041, 52588), (1042, 52585), (1044, 52573), (1054, 52549), (1060, 52528), (1073, 52501), (1084, 52477), (1089, 52462),

Gene: Melvin_47 Start: 31565, Stop: 29739, Start Num: 254
Candidate Starts for Melvin_47:
(Start: 254 @31565 has 935 MA's), (271, 31544), (289, 31514), (305, 31484), (413, 31322), (421, 31304), (449, 31232), (455, 31223), (505, 31103), (514, 31079), (591, 30986), (611, 30938), (626, 30917), (647, 30878), (719, 30746), (732, 30725), (755, 30680), (759, 30668), (815, 30515), (819, 30494), (855, 30371), (862, 30341), (875, 30302), (904, 30236), (905, 30233), (910, 30218), (920, 30194), (929, 30170), (1007, 29963), (1060, 29828), (1065, 29816), (1071, 29807),

Gene: Mercedes_34 Start: 25967, Stop: 24108, Start Num: 337

Candidate Starts for Mercedes_34:
(Start: 337 @25967 has 44 MA's), (341, 25961), (381, 25868), (418, 25814), (420, 25808), (469, 25700), (476, 25679), (478, 25673), (496, 25622), (527, 25538), (588, 25403), (591, 25391), (601, 25361), (612, 25346), (634, 25340), (639, 25328), (731, 25157), (756, 25091), (773, 25058), (796, 24989), (798, 24977), (855, 24797), (862, 24767), (905, 24656), (912, 24632), (913, 24629), (918, 24605), (985, 24434), (1004, 24374), (1007, 24350), (1011, 24338), (1015, 24329), (1039, 24278), (1058, 24206),

Gene: Merida02_40 Start: 28933, Stop: 27068, Start Num: 339
Candidate Starts for Merida02_40:
(Start: 275 @29020 has 3 MA's), (Start: 339 @28933 has 121 MA's), (Start: 342 @28924 has 5 MA's), (392, 28819), (398, 28810), (418, 28780), (419, 28777), (472, 28657), (476, 28645), (478, 28639), (518, 28534), (525, 28507), (582, 28366), (587, 28360), (588, 28357), (591, 28345), (600, 28318), (601, 28315), (612, 28300), (634, 28294), (637, 28288), (657, 28255), (725, 28126), (749, 28066), (855, 27751), (858, 27742), (859, 27739), (862, 27721), (876, 27679), (880, 27673), (884, 27664), (895, 27649), (912, 27592), (970, 27433), (982, 27403), (985, 27394), (1004, 27334), (1007, 27310), (1025, 27271), (1039, 27238), (1040, 27226), (1058, 27166),

Gene: Mesh1_62 Start: 54599, Stop: 52740, Start Num: 215
Candidate Starts for Mesh1_62:
(Start: 198 @54623 has 1 MA's), (Start: 215 @54599 has 328 MA's), (Start: 245 @54575 has 14 MA's), (Start: 258 @54569 has 2 MA's), (Start: 288 @54527 has 1 MA's), (300, 54506), (360, 54392), (363, 54386), (382, 54356), (418, 54296), (425, 54275), (442, 54221), (454, 54209), (464, 54191), (469, 54179), (511, 54074), (567, 54017), (590, 53981), (594, 53969), (605, 53942), (620, 53915), (630, 53897), (641, 53879), (666, 53840), (670, 53831), (671, 53828), (783, 53570), (813, 53468), (820, 53435), (827, 53414), (856, 53321), (859, 53312), (881, 53249), (904, 53213), (905, 53210), (910, 53195), (939, 53117), (944, 53105), (950, 53084), (970, 53045), (1007, 52955), (1018, 52937), (1021, 52931), (1029, 52916), (1039, 52892), (1041, 52877), (1042, 52874), (1044, 52862), (1054, 52838), (1073, 52790), (1084, 52766),

Gene: Mesmerelda_60 Start: 54579, Stop: 52720, Start Num: 215
Candidate Starts for Mesmerelda_60:
(Start: 198 @54603 has 1 MA's), (Start: 215 @54579 has 328 MA's), (Start: 245 @54555 has 14 MA's), (Start: 258 @54549 has 2 MA's), (Start: 288 @54507 has 1 MA's), (300, 54486), (360, 54372), (363, 54366), (382, 54336), (418, 54276), (425, 54255), (442, 54201), (454, 54189), (464, 54171), (469, 54159), (511, 54054), (567, 53997), (590, 53961), (594, 53949), (605, 53922), (620, 53895), (630, 53877), (641, 53859), (666, 53820), (670, 53811), (671, 53808), (783, 53550), (813, 53448), (820, 53415), (827, 53394), (856, 53301), (859, 53292), (881, 53229), (904, 53193), (905, 53190), (910, 53175), (939, 53097), (944, 53085), (950, 53064), (970, 53025), (1007, 52935), (1018, 52917), (1021, 52911), (1029, 52896), (1039, 52872), (1041, 52857), (1042, 52854), (1044, 52842), (1054, 52818), (1073, 52770), (1084, 52746),

Gene: MetalQZJ_44 Start: 34704, Stop: 32875, Start Num: 254
Candidate Starts for MetalQZJ_44:
(Start: 254 @34704 has 935 MA's), (391, 34491), (400, 34476), (426, 34428), (436, 34398), (443, 34377), (449, 34371), (455, 34362), (474, 34320), (504, 34245), (514, 34218), (591, 34125), (596, 34110), (639, 34026), (641, 34023), (680, 33957), (701, 33927), (711, 33897), (734, 33852), (755, 33813), (819, 33633), (834, 33585), (850, 33537), (859, 33498), (862, 33480), (875, 33441), (899, 33420), (904, 33399), (909, 33384), (953, 33261), (1035, 33090), (1040, 33066), (1057, 33018), (1060, 33006), (1071, 32985), (1075, 32979), (1094, 32931), (1101, 32916),

Gene: Methuselah_45 Start: 31880, Stop: 30066, Start Num: 254
Candidate Starts for Methuselah_45:

(Start: 254 @31880 has 935 MA's), (284, 31841), (289, 31829), (386, 31676), (395, 31661), (426, 31604), (449, 31547), (455, 31538), (474, 31496), (494, 31445), (514, 31394), (568, 31340), (591, 31301), (609, 31253), (626, 31229), (647, 31190), (666, 31163), (680, 31133), (727, 31040), (734, 31028), (758, 30980), (767, 30965), (819, 30809), (836, 30758), (846, 30725), (847, 30722), (862, 30656), (875, 30617), (905, 30545), (920, 30506), (929, 30482), (935, 30464), (946, 30431), (985, 30350), (1007, 30290), (1043, 30203), (1060, 30155), (1065, 30143), (1071, 30134), (1073, 30131),

Gene: Micasa_40 Start: 30726, Stop: 28861, Start Num: 254
Candidate Starts for Micasa_40:
(Start: 254 @30726 has 935 MA's), (289, 30675), (334, 30615), (371, 30552), (386, 30522), (388, 30519), (422, 30462), (426, 30450), (436, 30420), (449, 30393), (514, 30240), (591, 30144), (609, 30096), (659, 30012), (666, 30006), (706, 29934), (719, 29901), (727, 29886), (734, 29874), (783, 29775), (819, 29640), (830, 29610), (834, 29592), (836, 29589), (847, 29553), (850, 29544), (855, 29517), (862, 29487), (875, 29448), (904, 29406), (910, 29388), (929, 29340), (946, 29289), (971, 29235), (975, 29226), (985, 29208), (1007, 29148), (1018, 29130), (1053, 29037), (1060, 29013), (1065, 29001), (1111, 28896),

Gene: MichaelPhcott_61 Start: 54184, Stop: 52325, Start Num: 215
Candidate Starts for MichaelPhcott_61:
(Start: 198 @54208 has 1 MA's), (Start: 215 @54184 has 328 MA's), (Start: 245 @54160 has 14 MA's), (Start: 258 @54154 has 2 MA's), (Start: 288 @54112 has 1 MA's), (300, 54091), (360, 53977), (363, 53971), (382, 53941), (418, 53881), (425, 53860), (442, 53806), (454, 53794), (464, 53776), (469, 53764), (511, 53659), (567, 53602), (590, 53566), (594, 53554), (603, 53530), (609, 53518), (620, 53500), (630, 53482), (641, 53464), (666, 53425), (670, 53416), (671, 53413), (673, 53410), (813, 53053), (820, 53020), (827, 52999), (856, 52906), (859, 52897), (881, 52834), (904, 52798), (905, 52795), (910, 52780), (939, 52702), (944, 52690), (950, 52669), (970, 52630), (1007, 52540), (1018, 52522), (1021, 52516), (1029, 52501), (1039, 52477), (1041, 52462), (1042, 52459), (1044, 52447), (1054, 52423), (1073, 52375), (1084, 52351),

Gene: Michkear_41 Start: 30473, Stop: 32386, Start Num: 254
Candidate Starts for Michkear_41:
(Start: 254 @30473 has 935 MA's), (411, 30704), (443, 30791), (568, 31046), (593, 31112), (609, 31154), (647, 31220), (657, 31235), (732, 31373), (762, 31436), (819, 31631), (841, 31694), (853, 31748), (899, 31862), (936, 31970), (1035, 32195), (1040, 32219), (1053, 32255), (1060, 32279),

Gene: Michley_44 Start: 34222, Stop: 32396, Start Num: 254
Candidate Starts for Michley_44:
(Start: 254 @34222 has 935 MA's), (391, 34009), (436, 33916), (443, 33895), (449, 33889), (455, 33880), (504, 33763), (514, 33736), (591, 33643), (596, 33628), (609, 33595), (639, 33544), (641, 33541), (680, 33475), (701, 33445), (711, 33415), (734, 33370), (755, 33331), (819, 33151), (834, 33103), (847, 33064), (862, 32998), (875, 32959), (899, 32938), (904, 32917), (910, 32899), (935, 32833), (1003, 32683), (1004, 32680), (1012, 32644), (1029, 32620), (1034, 32611), (1038, 32599), (1060, 32524), (1071, 32503),

Gene: Microwolf_48 Start: 31854, Stop: 30040, Start Num: 254
Candidate Starts for Microwolf_48:
(Start: 254 @31854 has 935 MA's), (284, 31815), (289, 31803), (386, 31650), (395, 31635), (426, 31578), (449, 31521), (455, 31512), (474, 31470), (494, 31419), (514, 31368), (591, 31275), (609, 31227), (618, 31218), (626, 31203), (647, 31164), (666, 31137), (680, 31107), (727, 31014), (734, 31002), (758, 30954), (767, 30939), (819, 30783), (847, 30696), (862, 30630), (875, 30591), (905, 30519), (920, 30480), (929, 30456), (935, 30438), (946, 30405), (956, 30378), (985, 30324), (1007, 30264), (1041, 30186), (1060, 30129), (1065, 30117), (1071, 30108),

Gene: MiculUcigas_44 Start: 31260, Stop: 29473, Start Num: 254
Candidate Starts for MiculUcigas_44:
(Start: 254 @31260 has 935 MA's), (386, 31056), (388, 31053), (391, 31047), (413, 31017), (426, 30984), (427, 30981), (436, 30954), (449, 30927), (474, 30876), (514, 30774), (591, 30681), (609, 30633), (618, 30624), (626, 30609), (666, 30543), (708, 30462), (732, 30414), (798, 30270), (819, 30189), (836, 30138), (846, 30105), (862, 30036), (875, 29997), (899, 29976), (904, 29955), (908, 29943), (983, 29763), (985, 29757), (1003, 29721), (1007, 29697), (1041, 29619), (1060, 29562), (1065, 29550),

Gene: Midas2_38 Start: 30444, Stop: 28579, Start Num: 254
Candidate Starts for Midas2_38:
(Start: 254 @30444 has 935 MA's), (289, 30393), (334, 30333), (371, 30270), (386, 30240), (388, 30237), (422, 30180), (426, 30168), (436, 30138), (449, 30111), (514, 29958), (591, 29862), (609, 29814), (659, 29730), (666, 29724), (681, 29691), (706, 29652), (719, 29619), (727, 29604), (734, 29592), (783, 29493), (819, 29358), (830, 29328), (834, 29310), (836, 29307), (847, 29271), (850, 29262), (855, 29235), (862, 29205), (875, 29166), (904, 29124), (910, 29106), (929, 29058), (946, 29007), (971, 28953), (975, 28944), (985, 28926), (1007, 28866), (1018, 28848), (1053, 28755), (1060, 28731), (1065, 28719), (1111, 28614),

Gene: Miko_43 Start: 31812, Stop: 30025, Start Num: 254
Candidate Starts for Miko_43:
(Start: 254 @31812 has 935 MA's), (388, 31605), (391, 31599), (413, 31569), (426, 31536), (427, 31533), (441, 31491), (449, 31479), (514, 31326), (591, 31233), (609, 31185), (618, 31176), (626, 31161), (666, 31095), (732, 30966), (798, 30822), (819, 30741), (836, 30690), (846, 30657), (847, 30654), (862, 30588), (875, 30549), (899, 30528), (925, 30453), (929, 30441), (946, 30390), (956, 30363), (975, 30327), (985, 30309), (1003, 30273), (1007, 30249), (1041, 30171), (1060, 30114), (1065, 30102), (1071, 30093),

Gene: Mikota_59 Start: 53562, Stop: 51703, Start Num: 215
Candidate Starts for Mikota_59:
(Start: 198 @53586 has 1 MA's), (Start: 215 @53562 has 328 MA's), (Start: 245 @53538 has 14 MA's), (Start: 258 @53532 has 2 MA's), (280, 53505), (Start: 288 @53490 has 1 MA's), (300, 53469), (360, 53355), (363, 53349), (382, 53319), (418, 53259), (425, 53238), (442, 53184), (454, 53172), (464, 53154), (469, 53142), (511, 53037), (567, 52980), (590, 52944), (594, 52932), (605, 52905), (630, 52860), (666, 52803), (670, 52794), (671, 52791), (673, 52788), (813, 52431), (820, 52398), (827, 52377), (856, 52284), (859, 52275), (881, 52212), (904, 52176), (905, 52173), (910, 52158), (939, 52080), (944, 52068), (950, 52047), (970, 52008), (1007, 51918), (1018, 51900), (1021, 51894), (1029, 51879), (1039, 51855), (1041, 51840), (1042, 51837), (1044, 51825), (1054, 51801), (1073, 51753), (1084, 51729),

Gene: Milcery_39 Start: 30563, Stop: 28704, Start Num: 254
Candidate Starts for Milcery_39:
(Start: 254 @30563 has 935 MA's), (289, 30512), (334, 30452), (371, 30389), (386, 30359), (388, 30356), (422, 30299), (426, 30287), (436, 30257), (449, 30230), (514, 30077), (591, 29981), (602, 29948), (609, 29933), (659, 29849), (666, 29843), (706, 29771), (719, 29738), (727, 29723), (734, 29711), (783, 29612), (819, 29477), (830, 29447), (834, 29429), (836, 29426), (847, 29390), (850, 29381), (853, 29360), (856, 29351), (862, 29324), (863, 29321), (899, 29264), (904, 29243), (946, 29126), (971, 29072), (975, 29063), (985, 29045), (1007, 28985), (1018, 28967), (1053, 28874), (1060, 28850), (1065, 28838), (1116, 28721), (1118, 28718),

Gene: MilleFeuille_44 Start: 34649, Stop: 32823, Start Num: 254
Candidate Starts for MilleFeuille_44:

(Start: 254 @34649 has 935 MA's), (391, 34436), (400, 34421), (436, 34343), (443, 34322), (449, 34316), (455, 34307), (504, 34190), (514, 34163), (591, 34070), (639, 33971), (641, 33968), (680, 33902), (701, 33872), (711, 33842), (734, 33797), (755, 33758), (819, 33578), (834, 33530), (847, 33491), (862, 33425), (875, 33386), (899, 33365), (904, 33344), (910, 33326), (935, 33260), (1003, 33110), (1004, 33107), (1012, 33071), (1029, 33047), (1034, 33038), (1038, 33026), (1043, 32999), (1060, 32951), (1071, 32930),

Gene: Millski_44 Start: 31571, Stop: 29745, Start Num: 254
Candidate Starts for Millski_44:
(Start: 254 @31571 has 935 MA's), (271, 31550), (289, 31520), (305, 31490), (413, 31328), (421, 31310), (449, 31238), (455, 31229), (505, 31109), (514, 31085), (591, 30992), (611, 30944), (626, 30923), (647, 30884), (719, 30752), (732, 30731), (755, 30686), (759, 30674), (815, 30521), (819, 30500), (855, 30377), (862, 30347), (875, 30308), (904, 30242), (905, 30239), (910, 30224), (920, 30200), (929, 30176), (1007, 29969), (1060, 29834), (1065, 29822), (1071, 29813),

Gene: MillyPhilly_39 Start: 28927, Stop: 27062, Start Num: 339
Candidate Starts for MillyPhilly_39:
(Start: 275 @29014 has 3 MA's), (Start: 277 @29011 has 1 MA's), (Start: 339 @28927 has 121 MA's), (Start: 342 @28918 has 5 MA's), (392, 28813), (398, 28804), (418, 28774), (419, 28771), (472, 28651), (476, 28639), (478, 28633), (518, 28528), (525, 28501), (582, 28360), (587, 28354), (588, 28351), (591, 28339), (600, 28312), (601, 28309), (612, 28294), (634, 28288), (637, 28282), (657, 28249), (749, 28060), (855, 27745), (858, 27736), (859, 27733), (862, 27715), (876, 27673), (880, 27667), (884, 27658), (895, 27643), (912, 27586), (970, 27427), (982, 27397), (985, 27388), (1004, 27328), (1007, 27304), (1025, 27265), (1039, 27232), (1040, 27220), (1058, 27160),

Gene: Milomuff_42 Start: 29387, Stop: 31261, Start Num: 241
Candidate Starts for Milomuff_42:
(Start: 241 @29387 has 65 MA's), (Start: 299 @29456 has 1 MA's), (315, 29477), (455, 29723), (464, 29738), (474, 29765), (647, 30059), (719, 30194), (766, 30293), (804, 30416), (819, 30476), (822, 30482), (836, 30527), (843, 30542), (845, 30557), (853, 30593), (862, 30629), (903, 30722), (936, 30815), (967, 30893), (1003, 30965), (1012, 31004), (1037, 31046), (1040, 31064), (1053, 31100), (1060, 31124), (1071, 31145),

Gene: Mimi_99 Start: 77797, Stop: 79593, Start Num: 265
Candidate Starts for Mimi_99:
(Start: 265 @77797 has 10 MA's), (334, 77893), (454, 78109), (467, 78136), (470, 78142), (504, 78211), (517, 78247), (632, 78394), (635, 78400), (647, 78421), (657, 78436), (755, 78625), (777, 78670), (790, 78703), (795, 78721), (803, 78754), (815, 78793), (819, 78814), (822, 78820), (853, 78934), (874, 79018), (876, 79024), (884, 79036), (903, 79084), (906, 79096), (920, 79132), (932, 79165), (935, 79174), (950, 79219), (958, 79237), (996, 79321), (1003, 79342), (1008, 79369), (1018, 79384), (1035, 79417), (1040, 79441), (1045, 79465), (1060, 79501), (1075, 79528),

Gene: MinecraftSteve_48 Start: 29943, Stop: 28153, Start Num: 254
Candidate Starts for MinecraftSteve_48:
(Start: 254 @29943 has 935 MA's), (371, 29769), (426, 29664), (427, 29661), (436, 29634), (449, 29607), (474, 29556), (514, 29454), (591, 29361), (605, 29322), (618, 29304), (719, 29115), (755, 29049), (788, 28989), (798, 28950), (813, 28899), (815, 28890), (819, 28869), (836, 28818), (846, 28785), (855, 28746), (862, 28716), (899, 28656), (904, 28635), (920, 28593), (930, 28566), (971, 28464), (1003, 28401), (1004, 28398), (1060, 28242), (1065, 28230), (1073, 28218),

Gene: MiniBoss_58 Start: 53368, Stop: 51509, Start Num: 215
Candidate Starts for MiniBoss_58:

(Start: 198 @53392 has 1 MA's), (Start: 215 @53368 has 328 MA's), (Start: 245 @53344 has 14 MA's), (Start: 258 @53338 has 2 MA's), (280, 53311), (Start: 288 @53296 has 1 MA's), (300, 53275), (360, 53161), (363, 53155), (382, 53125), (418, 53065), (425, 53044), (442, 52990), (454, 52978), (464, 52960), (469, 52948), (511, 52843), (567, 52786), (590, 52750), (594, 52738), (605, 52711), (609, 52702), (630, 52666), (666, 52609), (670, 52600), (671, 52597), (673, 52594), (813, 52237), (820, 52204), (827, 52183), (856, 52090), (859, 52081), (881, 52018), (904, 51982), (905, 51979), (910, 51964), (939, 51886), (944, 51874), (950, 51853), (970, 51814), (1007, 51724), (1018, 51706), (1021, 51700), (1029, 51685), (1039, 51661), (1041, 51646), (1042, 51643), (1044, 51631), (1054, 51607), (1073, 51559), (1084, 51535),

Gene: MiniMommy_46 Start: 30558, Stop: 32420, Start Num: 254
Candidate Starts for MiniMommy_46:
(175, 30459), (186, 30477), (Start: 254 @30558 has 935 MA's), (Start: 288 @30606 has 1 MA's), (388, 30765), (391, 30771), (443, 30876), (470, 30921), (587, 31128), (647, 31257), (708, 31362), (732, 31410), (769, 31494), (819, 31668), (846, 31752), (853, 31785), (856, 31794), (872, 31845), (903, 31914), (943, 32025), (971, 32094), (974, 32100), (1021, 32205), (1060, 32316),

Gene: MiniVolent_36 Start: 28446, Stop: 26545, Start Num: 337
Candidate Starts for MiniVolent_36:
(24, 29121), (291, 28512), (Start: 337 @28446 has 44 MA's), (381, 28347), (398, 28323), (408, 28308), (418, 28293), (420, 28287), (430, 28260), (438, 28236), (465, 28185), (476, 28158), (478, 28152), (496, 28101), (511, 28062), (531, 28002), (554, 27933), (582, 27876), (588, 27867), (591, 27855), (601, 27825), (654, 27768), (731, 27621), (791, 27465), (859, 27216), (862, 27198), (876, 27156), (895, 27126), (902, 27105), (912, 27069), (1004, 26811), (1007, 26787), (1008, 26784), (1011, 26775), (1022, 26754), (1025, 26748), (1058, 26643),

Gene: Minispark_43 Start: 30716, Stop: 28923, Start Num: 254
Candidate Starts for Minispark_43:
(Start: 254 @30716 has 935 MA's), (261, 30707), (289, 30665), (349, 30578), (386, 30512), (391, 30503), (396, 30494), (409, 30476), (427, 30434), (436, 30407), (441, 30392), (449, 30380), (474, 30329), (514, 30227), (587, 30149), (591, 30134), (618, 30077), (680, 29966), (728, 29870), (759, 29807), (785, 29768), (787, 29762), (819, 29639), (850, 29543), (855, 29516), (862, 29486), (875, 29447), (904, 29405), (946, 29288), (983, 29213), (1003, 29171), (1041, 29069), (1060, 29012), (1065, 29000), (1071, 28991),

Gene: Miramae_44 Start: 31710, Stop: 29881, Start Num: 254
Candidate Starts for Miramae_44:
(Start: 254 @31710 has 935 MA's), (289, 31659), (305, 31629), (413, 31467), (421, 31449), (449, 31377), (455, 31368), (505, 31248), (514, 31224), (591, 31131), (611, 31083), (647, 31023), (675, 30978), (719, 30891), (732, 30870), (755, 30825), (759, 30813), (819, 30639), (850, 30543), (855, 30516), (856, 30513), (862, 30486), (875, 30447), (904, 30378), (905, 30375), (910, 30360), (920, 30336), (927, 30318), (929, 30312), (931, 30306), (1007, 30105), (1060, 29970), (1065, 29958), (1071, 29949),

Gene: Mireles_44 Start: 29952, Stop: 28171, Start Num: 245
Candidate Starts for Mireles_44:
(103, 30225), (119, 30177), (194, 30021), (Start: 245 @29952 has 14 MA's), (328, 29829), (356, 29781), (467, 29589), (474, 29571), (506, 29508), (509, 29502), (517, 29478), (591, 29409), (632, 29328), (647, 29301), (657, 29286), (692, 29223), (734, 29142), (736, 29136), (755, 29100), (759, 29088), (786, 29055), (800, 29001), (815, 28950), (819, 28929), (822, 28923), (851, 28827), (856, 28803), (862, 28776), (875, 28737), (932, 28593), (946, 28551), (956, 28524), (984, 28455), (1008, 28389), (1026, 28359), (1037, 28332), (1041, 28311), (1042, 28308), (1045, 28290), (1054, 28275), (1093, 28182), (1094, 28179),

Gene: Mischief19_57 Start: 49917, Stop: 47956, Start Num: 327
Candidate Starts for Mischief19_57:
(Start: 327 @49917 has 11 MA's), (371, 49848), (418, 49770), (430, 49734), (435, 49716), (463, 49644), (475, 49611), (516, 49494), (547, 49428), (570, 49362), (593, 49311), (597, 49299), (662, 49185), (685, 49137), (700, 49116), (739, 49026), (767, 48957), (772, 48948), (790, 48906), (798, 48876), (802, 48861), (810, 48837), (822, 48792), (840, 48732), (846, 48705), (859, 48654), (863, 48633), (865, 48621), (874, 48582), (889, 48552), (899, 48522), (904, 48501), (915, 48474), (920, 48459), (936, 48414), (939, 48405), (953, 48363), (965, 48342), (980, 48300), (989, 48273), (1002, 48231), (1021, 48180), (1035, 48156), (1039, 48144), (1041, 48129), (1060, 48072), (1071, 48051), (1079, 48033),

Gene: Misomonster_49 Start: 31883, Stop: 30069, Start Num: 254
Candidate Starts for Misomonster_49:
(Start: 254 @31883 has 935 MA's), (284, 31844), (289, 31832), (386, 31679), (395, 31664), (426, 31607), (449, 31550), (455, 31541), (474, 31499), (494, 31448), (514, 31397), (568, 31343), (591, 31304), (609, 31256), (626, 31232), (647, 31193), (666, 31166), (680, 31136), (727, 31043), (734, 31031), (758, 30983), (767, 30968), (819, 30812), (836, 30761), (846, 30728), (847, 30725), (862, 30659), (875, 30620), (905, 30548), (920, 30509), (929, 30485), (935, 30467), (946, 30434), (985, 30353), (1007, 30293), (1043, 30206), (1060, 30158), (1065, 30146), (1071, 30137), (1073, 30134),

Gene: MissSwiss_41 Start: 28328, Stop: 30193, Start Num: 254
Candidate Starts for MissSwiss_41:
(Start: 254 @28328 has 935 MA's), (Start: 288 @28376 has 1 MA's), (371, 28502), (436, 28625), (479, 28715), (593, 28922), (596, 28931), (647, 29030), (657, 29045), (681, 29090), (732, 29183), (788, 29321), (819, 29441), (830, 29471), (841, 29504), (843, 29507), (847, 29528), (862, 29594), (903, 29687), (929, 29759), (971, 29867), (1003, 29930), (1060, 30089), (1064, 30098),

Gene: MissWhite_43 Start: 29746, Stop: 27959, Start Num: 254
Candidate Starts for MissWhite_43:
(Start: 254 @29746 has 935 MA's), (386, 29542), (388, 29539), (391, 29533), (413, 29503), (422, 29482), (425, 29473), (426, 29470), (436, 29440), (449, 29413), (463, 29392), (474, 29362), (514, 29260), (591, 29167), (609, 29119), (618, 29110), (626, 29095), (666, 29029), (719, 28921), (732, 28900), (819, 28675), (836, 28624), (850, 28579), (862, 28522), (875, 28483), (899, 28462), (925, 28387), (931, 28369), (946, 28324), (975, 28261), (983, 28249), (1003, 28207), (1007, 28183), (1037, 28126), (1041, 28105), (1060, 28048), (1065, 28036), (1071, 28027),

Gene: MitKao_60 Start: 54033, Stop: 52174, Start Num: 215
Candidate Starts for MitKao_60:
(Start: 198 @54057 has 1 MA's), (Start: 215 @54033 has 328 MA's), (Start: 245 @54009 has 14 MA's), (Start: 258 @54003 has 2 MA's), (Start: 288 @53961 has 1 MA's), (300, 53940), (360, 53826), (363, 53820), (382, 53790), (418, 53730), (425, 53709), (442, 53655), (454, 53643), (464, 53625), (469, 53613), (511, 53508), (567, 53451), (590, 53415), (594, 53403), (605, 53376), (630, 53331), (666, 53274), (670, 53265), (671, 53262), (813, 52902), (820, 52869), (827, 52848), (856, 52755), (859, 52746), (881, 52683), (904, 52647), (905, 52644), (910, 52629), (939, 52551), (944, 52539), (950, 52518), (970, 52479), (1007, 52389), (1018, 52371), (1021, 52365), (1029, 52350), (1039, 52326), (1041, 52311), (1042, 52308), (1044, 52296), (1054, 52272), (1073, 52224), (1084, 52200),

Gene: Mithril_53 Start: 54005, Stop: 52182, Start Num: 208
Candidate Starts for Mithril_53:
(Start: 190 @54023 has 4 MA's), (Start: 208 @54005 has 32 MA's), (Start: 258 @53981 has 2 MA's), (Start: 288 @53939 has 1 MA's), (300, 53918), (353, 53831), (415, 53726), (425, 53699), (430, 53684), (464, 53618), (477, 53588), (481, 53579), (487, 53576), (489, 53573), (567, 53453), (582, 53435),

(590, 53417), (594, 53405), (605, 53378), (641, 53315), (666, 53276), (670, 53267), (671, 53264), (684, 53234), (706, 53198), (783, 53012), (796, 52973), (797, 52970), (806, 52934), (813, 52910), (820, 52877), (854, 52769), (856, 52763), (859, 52754), (904, 52655), (905, 52652), (910, 52637), (939, 52559), (944, 52547), (950, 52526), (953, 52517), (970, 52487), (985, 52457), (1000, 52430), (1007, 52397), (1021, 52373), (1039, 52334), (1042, 52316), (1044, 52304), (1054, 52280), (1070, 52238), (1073, 52232), (1084, 52208),

Gene: Mkhuseli_44 Start: 34107, Stop: 32281, Start Num: 254
Candidate Starts for Mkhuseli_44:
(Start: 254 @34107 has 935 MA's), (391, 33894), (400, 33879), (436, 33801), (443, 33780), (449, 33774), (455, 33765), (504, 33648), (514, 33621), (591, 33528), (596, 33513), (609, 33480), (639, 33429), (641, 33426), (680, 33360), (701, 33330), (711, 33300), (734, 33255), (755, 33216), (819, 33036), (830, 33006), (834, 32988), (847, 32949), (862, 32883), (904, 32802), (905, 32799), (935, 32718), (1003, 32568), (1004, 32565), (1012, 32529), (1029, 32505), (1034, 32496), (1038, 32484), (1060, 32409), (1071, 32388),

Gene: MmasiCarm_59 Start: 54089, Stop: 52272, Start Num: 256
Candidate Starts for MmasiCarm_59:
(137, 54272), (Start: 256 @54089 has 51 MA's), (280, 54059), (391, 53879), (463, 53726), (467, 53714), (481, 53684), (489, 53678), (511, 53615), (513, 53609), (567, 53558), (588, 53531), (590, 53522), (609, 53474), (671, 53369), (718, 53273), (747, 53222), (796, 53078), (806, 53039), (814, 53009), (820, 52982), (824, 52970), (854, 52874), (856, 52868), (859, 52859), (861, 52847), (893, 52775), (904, 52745), (910, 52727), (915, 52718), (939, 52649), (944, 52637), (950, 52616), (985, 52547), (996, 52532), (1004, 52508), (1007, 52487), (1018, 52469), (1021, 52463), (1037, 52430), (1039, 52424), (1042, 52406), (1044, 52394), (1050, 52382), (1054, 52370), (1070, 52328), (1084, 52298),

Gene: Molivia_56 Start: 35308, Stop: 33140, Start Num: 218
Candidate Starts for Molivia_56:
(Start: 218 @35308 has 14 MA's), (234, 35281), (Start: 256 @35254 has 51 MA's), (309, 35170), (365, 35062), (374, 35044), (375, 35041), (389, 35017), (410, 34981), (414, 34975), (424, 34951), (427, 34942), (447, 34885), (451, 34876), (458, 34864), (466, 34846), (468, 34843), (523, 34693), (524, 34690), (538, 34651), (625, 34456), (630, 34444), (659, 34393), (665, 34387), (671, 34372), (679, 34357), (693, 34330), (754, 34174), (763, 34150), (814, 33988), (828, 33940), (838, 33907), (846, 33883), (856, 33841), (877, 33766), (901, 33706), (927, 33628), (929, 33622), (940, 33589), (967, 33526), (970, 33520), (988, 33481), (1003, 33433), (1009, 33403), (1036, 33349), (1039, 33340), (1051, 33298), (1057, 33280), (1060, 33268), (1070, 33244), (1076, 33229), (1091, 33187),

Gene: Molly_45 Start: 33982, Stop: 32153, Start Num: 254
Candidate Starts for Molly_45:
(Start: 254 @33982 has 935 MA's), (391, 33769), (400, 33754), (426, 33706), (436, 33676), (443, 33655), (449, 33649), (455, 33640), (504, 33523), (514, 33496), (591, 33403), (596, 33388), (603, 33367), (639, 33304), (641, 33301), (680, 33235), (711, 33175), (734, 33130), (755, 33091), (819, 32911), (834, 32863), (850, 32815), (859, 32776), (862, 32758), (875, 32719), (899, 32698), (904, 32677), (909, 32662), (953, 32539), (1035, 32368), (1040, 32344), (1057, 32296), (1060, 32284), (1071, 32263), (1075, 32257), (1094, 32209), (1101, 32194),

Gene: MonChoix_37 Start: 28950, Stop: 27082, Start Num: 339
Candidate Starts for MonChoix_37:
(216, 29115), (Start: 246 @29070 has 3 MA's), (283, 29025), (Start: 339 @28950 has 121 MA's), (Start: 342 @28941 has 5 MA's), (469, 28683), (471, 28677), (476, 28662), (478, 28656), (525, 28524), (540, 28470), (582, 28383), (588, 28374), (591, 28362), (600, 28335), (601, 28332), (612, 28317), (634, 28311), (639, 28299), (789, 27981), (858, 27759), (859, 27756), (862, 27738), (876, 27696),

(912, 27606), (918, 27579), (970, 27447), (982, 27417), (985, 27408), (1004, 27348), (1007, 27324), (1009, 27318), (1025, 27285), (1039, 27252), (1040, 27240),

Gene: Monet_48 Start: 36234, Stop: 34408, Start Num: 254
Candidate Starts for Monet_48:
(Start: 254 @36234 has 935 MA's), (391, 36021), (400, 36006), (436, 35928), (443, 35907), (449, 35901), (455, 35892), (504, 35775), (514, 35748), (591, 35655), (596, 35640), (639, 35556), (641, 35553), (680, 35487), (701, 35457), (711, 35427), (734, 35382), (755, 35343), (819, 35163), (834, 35115), (847, 35076), (862, 35010), (875, 34971), (899, 34950), (904, 34929), (910, 34911), (935, 34845), (1003, 34695), (1004, 34692), (1012, 34656), (1029, 34632), (1038, 34611), (1043, 34584), (1060, 34536), (1071, 34515),

Gene: MoneyMay_48 Start: 31852, Stop: 30038, Start Num: 254
Candidate Starts for MoneyMay_48:
(Start: 254 @31852 has 935 MA's), (284, 31813), (289, 31801), (386, 31648), (395, 31633), (426, 31576), (449, 31519), (455, 31510), (474, 31468), (494, 31417), (514, 31366), (591, 31273), (609, 31225), (618, 31216), (626, 31201), (647, 31162), (666, 31135), (680, 31105), (727, 31012), (758, 30952), (767, 30937), (819, 30781), (847, 30694), (862, 30628), (875, 30589), (905, 30517), (920, 30478), (929, 30454), (935, 30436), (946, 30403), (956, 30376), (985, 30322), (1007, 30262), (1041, 30184), (1060, 30127), (1065, 30115), (1071, 30106),

Gene: Montavir_47 Start: 31853, Stop: 30039, Start Num: 254
Candidate Starts for Montavir_47:
(Start: 254 @31853 has 935 MA's), (284, 31814), (289, 31802), (386, 31649), (395, 31634), (426, 31577), (449, 31520), (455, 31511), (474, 31469), (494, 31418), (514, 31367), (591, 31274), (609, 31226), (618, 31217), (626, 31202), (647, 31163), (666, 31136), (680, 31106), (727, 31013), (758, 30953), (767, 30938), (819, 30782), (847, 30695), (862, 30629), (875, 30590), (905, 30518), (920, 30479), (929, 30455), (935, 30437), (946, 30404), (956, 30377), (985, 30323), (1007, 30263), (1041, 30185), (1060, 30128), (1065, 30116), (1071, 30107),

Gene: Moose_44 Start: 34479, Stop: 32653, Start Num: 254
Candidate Starts for Moose_44:
(Start: 254 @34479 has 935 MA's), (391, 34266), (400, 34251), (436, 34173), (443, 34152), (449, 34146), (455, 34137), (504, 34020), (514, 33993), (591, 33900), (596, 33885), (603, 33864), (609, 33852), (639, 33801), (641, 33798), (680, 33732), (701, 33702), (711, 33672), (734, 33627), (755, 33588), (819, 33408), (834, 33360), (847, 33321), (862, 33255), (875, 33216), (899, 33195), (904, 33174), (910, 33156), (935, 33090), (1003, 32940), (1004, 32937), (1012, 32901), (1029, 32877), (1034, 32868), (1038, 32856), (1060, 32781), (1071, 32760),

Gene: Morgushi_60 Start: 54022, Stop: 52163, Start Num: 215
Candidate Starts for Morgushi_60:
(Start: 198 @54046 has 1 MA's), (Start: 215 @54022 has 328 MA's), (Start: 245 @53998 has 14 MA's), (Start: 258 @53992 has 2 MA's), (Start: 288 @53950 has 1 MA's), (300, 53929), (360, 53815), (363, 53809), (382, 53779), (418, 53719), (425, 53698), (442, 53644), (454, 53632), (464, 53614), (469, 53602), (511, 53497), (567, 53440), (590, 53404), (594, 53392), (605, 53365), (630, 53320), (666, 53263), (670, 53254), (671, 53251), (813, 52891), (820, 52858), (827, 52837), (856, 52744), (859, 52735), (881, 52672), (904, 52636), (905, 52633), (910, 52618), (939, 52540), (944, 52528), (950, 52507), (970, 52468), (1007, 52378), (1018, 52360), (1021, 52354), (1029, 52339), (1039, 52315), (1041, 52300), (1042, 52297), (1044, 52285), (1054, 52261), (1073, 52213), (1084, 52189),

Gene: Morpher26_44 Start: 31543, Stop: 29714, Start Num: 254
Candidate Starts for Morpher26_44:

(Start: 254 @31543 has 935 MA's), (289, 31492), (305, 31462), (413, 31300), (421, 31282), (426, 31267), (449, 31210), (455, 31201), (505, 31081), (514, 31057), (562, 31015), (591, 30964), (611, 30916), (626, 30895), (647, 30856), (675, 30811), (678, 30805), (719, 30724), (732, 30703), (755, 30658), (815, 30493), (819, 30472), (862, 30319), (875, 30280), (905, 30208), (910, 30193), (920, 30169), (927, 30151), (929, 30145), (931, 30139), (1007, 29938), (1060, 29803), (1065, 29791), (1071, 29782),

Gene: Morrigan_40 Start: 28385, Stop: 26493, Start Num: 337
Candidate Starts for Morrigan_40:
(Start: 337 @28385 has 44 MA's), (Start: 342 @28376 has 5 MA's), (366, 28319), (381, 28289), (398, 28265), (408, 28250), (418, 28235), (420, 28229), (427, 28211), (438, 28178), (476, 28100), (478, 28094), (544, 27893), (588, 27809), (591, 27797), (601, 27767), (612, 27752), (634, 27746), (637, 27740), (639, 27734), (641, 27731), (775, 27464), (791, 27413), (810, 27347), (862, 27146), (876, 27104), (895, 27074), (902, 27053), (912, 27017), (934, 26945), (985, 26819), (1004, 26759), (1007, 26735), (1011, 26723), (1058, 26591),

Gene: Morrissey_47 Start: 37547, Stop: 35145, Start Num: 11
Candidate Starts for Morrissey_47:
(Start: 11 @37547 has 3 MA's), (29, 37442), (32, 37418), (Start: 45 @37364 has 21 MA's), (53, 37337), (54, 37334), (69, 37292), (70, 37289), (89, 37244), (95, 37223), (113, 37199), (123, 37160), (129, 37145), (138, 37121), (143, 37112), (145, 37106), (Start: 178 @37043 has 1 MA's), (186, 37031), (225, 36977), (305, 36869), (338, 36842), (347, 36821), (424, 36677), (441, 36623), (442, 36620), (444, 36614), (467, 36584), (474, 36569), (501, 36512), (509, 36491), (511, 36485), (514, 36476), (590, 36395), (616, 36332), (636, 36299), (654, 36272), (671, 36242), (684, 36212), (747, 36092), (748, 36083), (790, 35966), (796, 35948), (803, 35918), (806, 35909), (813, 35885), (820, 35852), (850, 35771), (854, 35747), (856, 35741), (881, 35669), (902, 35642), (910, 35615), (920, 35591), (939, 35537), (944, 35525), (992, 35414), (995, 35411), (1041, 35285), (1042, 35282), (1050, 35258), (1054, 35246), (1073, 35195), (1084, 35171), (1091, 35150),

Gene: Morrow_46 Start: 31576, Stop: 29750, Start Num: 254
Candidate Starts for Morrow_46:
(Start: 254 @31576 has 935 MA's), (271, 31555), (289, 31525), (305, 31495), (413, 31333), (421, 31315), (449, 31243), (455, 31234), (505, 31114), (514, 31090), (591, 30997), (611, 30949), (626, 30928), (647, 30889), (719, 30757), (732, 30736), (755, 30691), (759, 30679), (815, 30526), (819, 30505), (855, 30382), (862, 30352), (875, 30313), (904, 30247), (905, 30244), (910, 30229), (920, 30205), (929, 30181), (1007, 29974), (1060, 29839), (1065, 29827), (1071, 29818),

Gene: Mortcellus_58 Start: 54744, Stop: 52927, Start Num: 256
Candidate Starts for Mortcellus_58:
(137, 54927), (Start: 256 @54744 has 51 MA's), (280, 54714), (391, 54534), (463, 54381), (467, 54369), (481, 54339), (489, 54333), (511, 54270), (513, 54264), (567, 54213), (588, 54186), (590, 54177), (609, 54129), (671, 54024), (718, 53928), (747, 53877), (796, 53733), (806, 53694), (814, 53664), (820, 53637), (824, 53625), (854, 53529), (856, 53523), (859, 53514), (861, 53502), (893, 53430), (904, 53400), (910, 53382), (915, 53373), (939, 53304), (944, 53292), (950, 53271), (985, 53202), (996, 53187), (1004, 53163), (1007, 53142), (1021, 53118), (1039, 53079), (1042, 53061), (1044, 53049), (1050, 53037), (1054, 53025), (1070, 52983), (1084, 52953),

Gene: Morty_61 Start: 54544, Stop: 52685, Start Num: 215
Candidate Starts for Morty_61:
(Start: 198 @54568 has 1 MA's), (Start: 215 @54544 has 328 MA's), (Start: 245 @54520 has 14 MA's), (Start: 258 @54514 has 2 MA's), (Start: 288 @54472 has 1 MA's), (300, 54451), (360, 54337), (363, 54331), (382, 54301), (418, 54241), (425, 54220), (442, 54166), (454, 54154), (464, 54136), (469, 54124), (511, 54019), (567, 53962), (590, 53926), (594, 53914), (603, 53890), (609, 53878),

(620, 53860), (630, 53842), (641, 53824), (666, 53785), (670, 53776), (671, 53773), (673, 53770), (813, 53413), (820, 53380), (827, 53359), (856, 53266), (859, 53257), (881, 53194), (904, 53158), (905, 53155), (910, 53140), (939, 53062), (944, 53050), (950, 53029), (970, 52990), (1007, 52900), (1018, 52882), (1021, 52876), (1029, 52861), (1039, 52837), (1041, 52822), (1042, 52819), (1044, 52807), (1054, 52783), (1073, 52735), (1084, 52711),

Gene: Morty007_58 Start: 54530, Stop: 52713, Start Num: 256
Candidate Starts for Morty007_58:
(65, 54914), (137, 54713), (Start: 256 @54530 has 51 MA's), (280, 54500), (391, 54320), (463, 54167), (467, 54155), (481, 54125), (489, 54119), (511, 54056), (513, 54050), (567, 53999), (590, 53963), (609, 53915), (671, 53810), (718, 53714), (747, 53663), (796, 53519), (806, 53480), (814, 53450), (820, 53423), (824, 53411), (854, 53315), (856, 53309), (859, 53300), (861, 53288), (893, 53216), (904, 53186), (910, 53168), (915, 53159), (939, 53090), (944, 53078), (950, 53057), (985, 52988), (996, 52973), (1004, 52949), (1021, 52904), (1039, 52865), (1042, 52847), (1044, 52835), (1050, 52823), (1054, 52811), (1070, 52769), (1084, 52739),

Gene: Mosaic_59 Start: 54027, Stop: 52168, Start Num: 215
Candidate Starts for Mosaic_59:
(Start: 198 @54051 has 1 MA's), (Start: 215 @54027 has 328 MA's), (Start: 245 @54003 has 14 MA's), (Start: 258 @53997 has 2 MA's), (Start: 288 @53955 has 1 MA's), (300, 53934), (360, 53820), (363, 53814), (382, 53784), (418, 53724), (425, 53703), (442, 53649), (454, 53637), (464, 53619), (469, 53607), (511, 53502), (567, 53445), (590, 53409), (594, 53397), (605, 53370), (630, 53325), (666, 53268), (670, 53259), (671, 53256), (813, 52896), (820, 52863), (827, 52842), (856, 52749), (859, 52740), (881, 52677), (904, 52641), (905, 52638), (910, 52623), (939, 52545), (944, 52533), (950, 52512), (970, 52473), (1007, 52383), (1018, 52365), (1021, 52359), (1029, 52344), (1039, 52320), (1041, 52305), (1042, 52302), (1044, 52290), (1054, 52266), (1073, 52218), (1084, 52194),

Gene: Moss_38 Start: 27679, Stop: 29661, Start Num: 253
Candidate Starts for Moss_38:
(Start: 253 @27679 has 33 MA's), (371, 27853), (386, 27883), (415, 27916), (427, 27949), (463, 28024), (473, 28051), (568, 28252), (647, 28426), (732, 28582), (788, 28720), (812, 28807), (819, 28840), (830, 28870), (847, 28927), (862, 28993), (903, 29086), (1007, 29353), (1021, 29377), (1060, 29488),

Gene: MossRose_53 Start: 47650, Stop: 45833, Start Num: 251
Candidate Starts for MossRose_53:
(Start: 251 @47650 has 15 MA's), (Start: 258 @47641 has 2 MA's), (280, 47614), (287, 47602), (300, 47578), (305, 47569), (388, 47431), (409, 47395), (437, 47320), (477, 47245), (511, 47167), (567, 47110), (590, 47074), (594, 47062), (603, 47038), (658, 46945), (671, 46921), (679, 46903), (796, 46630), (806, 46591), (814, 46561), (820, 46534), (854, 46426), (856, 46420), (859, 46411), (902, 46321), (904, 46312), (905, 46309), (906, 46306), (910, 46294), (939, 46216), (944, 46204), (945, 46198), (950, 46183), (974, 46135), (1000, 46087), (1007, 46054), (1021, 46030), (1039, 45991), (1041, 45976), (1054, 45931), (1084, 45859),

Gene: MrGordo_44 Start: 34016, Stop: 32190, Start Num: 254
Candidate Starts for MrGordo_44:
(Start: 254 @34016 has 935 MA's), (391, 33803), (400, 33788), (426, 33740), (436, 33710), (443, 33689), (449, 33683), (455, 33674), (504, 33557), (514, 33530), (591, 33437), (596, 33422), (609, 33389), (639, 33338), (641, 33335), (680, 33269), (701, 33239), (711, 33209), (734, 33164), (755, 33125), (819, 32945), (834, 32897), (847, 32858), (862, 32792), (875, 32753), (899, 32732), (904, 32711), (910, 32693), (935, 32627), (1003, 32477), (1004, 32474), (1012, 32438), (1029, 32414), (1034, 32405), (1038, 32393), (1043, 32366), (1060, 32318), (1071, 32297),

Gene: MrPhizzler_63 Start: 54490, Stop: 52631, Start Num: 215
Candidate Starts for MrPhizzler_63:
(Start: 198 @54514 has 1 MA's), (Start: 215 @54490 has 328 MA's), (Start: 245 @54466 has 14 MA's), (Start: 258 @54460 has 2 MA's), (Start: 288 @54418 has 1 MA's), (300, 54397), (360, 54283), (363, 54277), (382, 54247), (418, 54187), (425, 54166), (442, 54112), (454, 54100), (464, 54082), (469, 54070), (511, 53965), (567, 53908), (590, 53872), (594, 53860), (603, 53836), (609, 53824), (620, 53806), (630, 53788), (641, 53770), (666, 53731), (670, 53722), (671, 53719), (673, 53716), (783, 53461), (813, 53359), (820, 53326), (827, 53305), (856, 53212), (859, 53203), (881, 53140), (904, 53104), (905, 53101), (910, 53086), (939, 53008), (944, 52996), (950, 52975), (970, 52936), (1007, 52846), (1018, 52828), (1021, 52822), (1029, 52807), (1039, 52783), (1041, 52768), (1042, 52765), (1044, 52753), (1054, 52729), (1060, 52708), (1073, 52681), (1084, 52657),

Gene: MrWorldwide_39 Start: 28937, Stop: 27072, Start Num: 339
Candidate Starts for MrWorldwide_39:
(Start: 275 @29024 has 3 MA's), (Start: 277 @29021 has 1 MA's), (Start: 339 @28937 has 121 MA's), (Start: 342 @28928 has 5 MA's), (392, 28823), (398, 28814), (418, 28784), (419, 28781), (472, 28661), (476, 28649), (478, 28643), (518, 28538), (525, 28511), (582, 28370), (587, 28364), (588, 28361), (591, 28349), (600, 28322), (601, 28319), (612, 28304), (634, 28298), (637, 28292), (657, 28259), (725, 28130), (749, 28070), (855, 27755), (858, 27746), (859, 27743), (862, 27725), (876, 27683), (880, 27677), (884, 27668), (895, 27653), (912, 27596), (970, 27437), (982, 27407), (985, 27398), (1004, 27338), (1007, 27314), (1025, 27275), (1039, 27242), (1040, 27230), (1058, 27170),

Gene: Mryolo_42 Start: 33954, Stop: 32128, Start Num: 254
Candidate Starts for Mryolo_42:
(Start: 254 @33954 has 935 MA's), (391, 33741), (426, 33678), (436, 33648), (443, 33627), (449, 33621), (455, 33612), (504, 33495), (514, 33468), (591, 33375), (596, 33360), (609, 33327), (639, 33276), (641, 33273), (680, 33207), (701, 33177), (711, 33147), (734, 33102), (755, 33063), (819, 32883), (834, 32835), (847, 32796), (862, 32730), (875, 32691), (899, 32670), (904, 32649), (910, 32631), (935, 32565), (1003, 32415), (1004, 32412), (1012, 32376), (1029, 32352), (1034, 32343), (1038, 32331), (1043, 32304), (1060, 32256), (1071, 32235),

Gene: MsUbiquitous_43 Start: 29585, Stop: 31459, Start Num: 241
Candidate Starts for MsUbiquitous_43:
(Start: 238 @29582 has 7 MA's), (Start: 241 @29585 has 65 MA's), (Start: 299 @29654 has 1 MA's), (315, 29675), (426, 29855), (455, 29921), (474, 29963), (647, 30257), (719, 30392), (766, 30491), (804, 30614), (819, 30674), (822, 30680), (836, 30725), (845, 30755), (853, 30791), (862, 30827), (903, 30920), (936, 31013), (967, 31091), (1003, 31163), (1012, 31202), (1037, 31244), (1040, 31262), (1060, 31322), (1071, 31343),

Gene: MuchMore_51 Start: 31845, Stop: 30031, Start Num: 254
Candidate Starts for MuchMore_51:
(Start: 254 @31845 has 935 MA's), (284, 31806), (289, 31794), (386, 31641), (395, 31626), (426, 31569), (449, 31512), (455, 31503), (474, 31461), (494, 31410), (514, 31359), (591, 31266), (609, 31218), (618, 31209), (626, 31194), (647, 31155), (666, 31128), (680, 31098), (727, 31005), (734, 30993), (758, 30945), (767, 30930), (819, 30774), (847, 30687), (862, 30621), (875, 30582), (905, 30510), (920, 30471), (929, 30447), (935, 30429), (946, 30396), (956, 30369), (985, 30315), (1007, 30255), (1041, 30177), (1060, 30120), (1065, 30108), (1071, 30099),

Gene: Muddy_44 Start: 34756, Stop: 32411, Start Num: 82
Candidate Starts for Muddy_44:
(Start: 56 @34822 has 1 MA's), (61, 34813), (Start: 75 @34768 has 1 MA's), (Start: 82 @34756 has 1 MA's), (Start: 96 @34717 has 1 MA's), (165, 34558), (182, 34528), (213, 34498), (329, 34330), (392, 34210), (438, 34108), (476, 34027), (497, 33967), (522, 33901), (569, 33769), (664, 33649), (668,

33640), (679, 33628), (733, 33559), (810, 33346), (823, 33292), (848, 33211), (855, 33178), (874, 33112), (876, 33106), (880, 33100), (883, 33094), (897, 33070), (905, 33037), (910, 33022), (912, 33013), (970, 32854), (982, 32824), (1006, 32734), (1049, 32614), (1058, 32587), (1081, 32518),

Gene: Mudpuppy_38 Start: 29455, Stop: 31320, Start Num: 254
Candidate Starts for Mudpuppy_38:
(Start: 254 @29455 has 935 MA's), (Start: 288 @29503 has 1 MA's), (436, 29752), (479, 29842), (593, 30049), (596, 30058), (641, 30148), (647, 30157), (657, 30172), (681, 30217), (708, 30262), (732, 30310), (759, 30367), (788, 30448), (812, 30535), (819, 30568), (830, 30598), (847, 30655), (862, 30721), (872, 30745), (903, 30814), (929, 30886), (932, 30895), (971, 30994), (1003, 31057), (1007, 31081), (1053, 31192), (1060, 31216), (1064, 31225),

Gene: Mudslide_53 Start: 54263, Stop: 52440, Start Num: 208
Candidate Starts for Mudslide_53:
(Start: 190 @54281 has 4 MA's), (Start: 208 @54263 has 32 MA's), (Start: 258 @54239 has 2 MA's), (280, 54212), (Start: 288 @54197 has 1 MA's), (300, 54176), (353, 54089), (415, 53984), (430, 53942), (464, 53876), (477, 53846), (481, 53837), (487, 53834), (489, 53831), (496, 53804), (567, 53711), (582, 53693), (590, 53675), (594, 53663), (599, 53648), (605, 53636), (641, 53573), (666, 53534), (670, 53525), (671, 53522), (684, 53492), (706, 53456), (796, 53231), (797, 53228), (806, 53192), (813, 53168), (820, 53135), (854, 53027), (856, 53021), (859, 53012), (904, 52913), (905, 52910), (910, 52895), (939, 52817), (944, 52805), (950, 52784), (953, 52775), (970, 52745), (1000, 52688), (1007, 52655), (1018, 52637), (1021, 52631), (1039, 52592), (1042, 52574), (1044, 52562), (1054, 52538), (1070, 52496), (1073, 52490), (1084, 52466),

Gene: Mulan_60 Start: 54261, Stop: 52402, Start Num: 215
Candidate Starts for Mulan_60:
(Start: 198 @54285 has 1 MA's), (Start: 215 @54261 has 328 MA's), (Start: 245 @54237 has 14 MA's), (Start: 258 @54231 has 2 MA's), (Start: 288 @54189 has 1 MA's), (300, 54168), (360, 54054), (363, 54048), (382, 54018), (418, 53958), (425, 53937), (442, 53883), (454, 53871), (464, 53853), (469, 53841), (511, 53736), (567, 53679), (590, 53643), (594, 53631), (605, 53604), (620, 53577), (630, 53559), (641, 53541), (666, 53502), (670, 53493), (671, 53490), (783, 53232), (813, 53130), (820, 53097), (827, 53076), (856, 52983), (859, 52974), (881, 52911), (904, 52875), (905, 52872), (910, 52857), (939, 52779), (944, 52767), (950, 52746), (970, 52707), (1007, 52617), (1018, 52599), (1021, 52593), (1029, 52578), (1039, 52554), (1041, 52539), (1042, 52536), (1044, 52524), (1054, 52500), (1073, 52452), (1084, 52428),

Gene: Mulaychimus_59 Start: 54106, Stop: 52289, Start Num: 256
Candidate Starts for Mulaychimus_59:
(137, 54289), (Start: 256 @54106 has 51 MA's), (280, 54076), (391, 53896), (463, 53743), (467, 53731), (481, 53701), (489, 53695), (511, 53632), (513, 53626), (567, 53575), (590, 53539), (609, 53491), (671, 53386), (718, 53290), (747, 53239), (796, 53095), (806, 53056), (814, 53026), (820, 52999), (824, 52987), (854, 52891), (856, 52885), (859, 52876), (861, 52864), (893, 52792), (904, 52762), (910, 52744), (915, 52735), (939, 52666), (944, 52654), (950, 52633), (985, 52564), (996, 52549), (1004, 52525), (1007, 52504), (1018, 52486), (1021, 52480), (1037, 52447), (1039, 52441), (1042, 52423), (1044, 52411), (1050, 52399), (1054, 52387), (1070, 52345), (1084, 52315),

Gene: Mulciber_44 Start: 30327, Stop: 28540, Start Num: 254
Candidate Starts for Mulciber_44:
(Start: 254 @30327 has 935 MA's), (386, 30123), (426, 30051), (436, 30021), (449, 29994), (593, 29742), (618, 29691), (666, 29610), (688, 29565), (732, 29481), (759, 29424), (786, 29382), (798, 29337), (819, 29256), (836, 29205), (847, 29169), (862, 29103), (899, 29043), (902, 29031), (938, 28929), (946, 28905), (951, 28887), (985, 28824), (1000, 28797), (1003, 28788), (1007, 28764), (1060, 28629), (1065, 28617), (1071, 28608),

Gene: Mule_42 Start: 32266, Stop: 30440, Start Num: 254
Candidate Starts for Mule_42:
(Start: 254 @32266 has 935 MA's), (391, 32053), (400, 32038), (436, 31960), (443, 31939), (449, 31933), (455, 31924), (491, 31840), (504, 31807), (514, 31780), (591, 31687), (596, 31672), (603, 31651), (609, 31639), (639, 31588), (641, 31585), (680, 31519), (701, 31489), (711, 31459), (734, 31414), (755, 31375), (819, 31195), (834, 31147), (847, 31108), (862, 31042), (904, 30961), (905, 30958), (935, 30877), (1003, 30727), (1004, 30724), (1012, 30688), (1034, 30655), (1038, 30643), (1052, 30595), (1060, 30568), (1071, 30547),

Gene: Munch_45 Start: 30776, Stop: 28989, Start Num: 254
Candidate Starts for Munch_45:
(Start: 254 @30776 has 935 MA's), (386, 30572), (426, 30500), (436, 30470), (449, 30443), (593, 30191), (618, 30140), (666, 30059), (688, 30014), (759, 29873), (786, 29831), (798, 29786), (819, 29705), (836, 29654), (847, 29618), (862, 29552), (899, 29492), (902, 29480), (938, 29378), (946, 29354), (951, 29336), (985, 29273), (1000, 29246), (1003, 29237), (1007, 29213), (1060, 29078), (1065, 29066), (1071, 29057),

Gene: Mundrea_44 Start: 31530, Stop: 29701, Start Num: 254
Candidate Starts for Mundrea_44:
(Start: 254 @31530 has 935 MA's), (289, 31479), (305, 31449), (413, 31287), (421, 31269), (426, 31254), (449, 31197), (455, 31188), (505, 31068), (514, 31044), (591, 30951), (611, 30903), (626, 30882), (647, 30843), (675, 30798), (719, 30711), (725, 30702), (732, 30690), (755, 30645), (759, 30633), (819, 30459), (850, 30363), (855, 30336), (856, 30333), (862, 30306), (873, 30276), (875, 30267), (904, 30198), (905, 30195), (910, 30180), (920, 30156), (929, 30132), (931, 30126), (1007, 29925), (1060, 29790), (1065, 29778), (1071, 29769),

Gene: MunkgeeRoachy_41 Start: 31903, Stop: 29510, Start Num: 45
Candidate Starts for MunkgeeRoachy_41:
(Start: 45 @31903 has 21 MA's), (Start: 75 @31849 has 1 MA's), (93, 31807), (103, 31783), (152, 31657), (165, 31633), (213, 31588), (247, 31537), (260, 31522), (Start: 277 @31501 has 1 MA's), (307, 31453), (333, 31411), (367, 31336), (373, 31324), (417, 31255), (429, 31222), (434, 31207), (459, 31153), (461, 31150), (469, 31132), (476, 31111), (483, 31096), (497, 31051), (537, 30928), (539, 30922), (569, 30853), (591, 30811), (668, 30724), (684, 30700), (706, 30694), (716, 30670), (720, 30661), (727, 30646), (733, 30634), (753, 30592), (754, 30589), (755, 30586), (793, 30490), (807, 30439), (810, 30427), (825, 30370), (827, 30364), (841, 30328), (853, 30271), (862, 30235), (874, 30199), (876, 30193), (880, 30187), (883, 30181), (905, 30124), (912, 30100), (925, 30055), (979, 29920), (1057, 29677), (1058, 29674), (1072, 29629), (1076, 29620), (1101, 29560),

Gene: Murdoc_59 Start: 54023, Stop: 52164, Start Num: 215
Candidate Starts for Murdoc_59:
(Start: 198 @54047 has 1 MA's), (Start: 215 @54023 has 328 MA's), (Start: 245 @53999 has 14 MA's), (Start: 258 @53993 has 2 MA's), (Start: 288 @53951 has 1 MA's), (300, 53930), (360, 53816), (363, 53810), (382, 53780), (418, 53720), (425, 53699), (442, 53645), (454, 53633), (464, 53615), (469, 53603), (511, 53498), (567, 53441), (590, 53405), (594, 53393), (605, 53366), (620, 53339), (630, 53321), (641, 53303), (666, 53264), (670, 53255), (671, 53252), (673, 53249), (813, 52892), (820, 52859), (827, 52838), (856, 52745), (859, 52736), (881, 52673), (904, 52637), (905, 52634), (910, 52619), (939, 52541), (944, 52529), (950, 52508), (970, 52469), (1007, 52379), (1018, 52361), (1021, 52355), (1029, 52340), (1039, 52316), (1041, 52301), (1042, 52298), (1044, 52286), (1054, 52262), (1073, 52214), (1084, 52190),

Gene: Museum_45 Start: 34023, Stop: 32197, Start Num: 254
Candidate Starts for Museum_45:

(Start: 254 @34023 has 935 MA's), (391, 33810), (400, 33795), (426, 33747), (436, 33717), (443, 33696), (449, 33690), (455, 33681), (504, 33564), (514, 33537), (591, 33444), (596, 33429), (609, 33396), (639, 33345), (641, 33342), (680, 33276), (701, 33246), (711, 33216), (734, 33171), (755, 33132), (819, 32952), (834, 32904), (847, 32865), (862, 32799), (875, 32760), (899, 32739), (904, 32718), (910, 32700), (935, 32634), (1003, 32484), (1004, 32481), (1012, 32445), (1029, 32421), (1034, 32412), (1038, 32400), (1060, 32325), (1071, 32304),

Gene: Mutante_60 Start: 54033, Stop: 52174, Start Num: 215
Candidate Starts for Mutante_60:
(Start: 198 @54057 has 1 MA's), (Start: 215 @54033 has 328 MA's), (Start: 245 @54009 has 14 MA's), (Start: 258 @54003 has 2 MA's), (Start: 288 @53961 has 1 MA's), (300, 53940), (360, 53826), (363, 53820), (382, 53790), (418, 53730), (425, 53709), (442, 53655), (454, 53643), (464, 53625), (469, 53613), (511, 53508), (567, 53451), (590, 53415), (594, 53403), (605, 53376), (620, 53349), (630, 53331), (666, 53274), (670, 53265), (671, 53262), (813, 52902), (820, 52869), (827, 52848), (856, 52755), (859, 52746), (881, 52683), (905, 52644), (910, 52629), (939, 52551), (944, 52539), (950, 52518), (970, 52479), (1004, 52410), (1007, 52389), (1018, 52371), (1021, 52365), (1029, 52350), (1039, 52326), (1041, 52311), (1042, 52308), (1044, 52296), (1054, 52272), (1073, 52224), (1084, 52200),

Gene: MyraDee_40 Start: 28864, Stop: 27056, Start Num: 254
Candidate Starts for MyraDee_40:
(Start: 254 @28864 has 935 MA's), (284, 28825), (289, 28813), (369, 28693), (413, 28621), (449, 28531), (455, 28522), (474, 28480), (484, 28462), (494, 28429), (495, 28426), (505, 28402), (514, 28378), (588, 28297), (591, 28285), (600, 28258), (606, 28240), (647, 28174), (675, 28129), (697, 28093), (711, 28060), (725, 28033), (734, 28015), (768, 27949), (787, 27919), (819, 27796), (834, 27748), (862, 27643), (875, 27604), (905, 27535), (920, 27496), (935, 27454), (945, 27424), (1018, 27262), (1060, 27145), (1065, 27133), (1071, 27124),

Gene: Mysterious_56 Start: 54574, Stop: 52745, Start Num: 208
Candidate Starts for Mysterious_56:
(Start: 208 @54574 has 32 MA's), (Start: 239 @54553 has 1 MA's), (Start: 258 @54544 has 2 MA's), (280, 54517), (Start: 288 @54502 has 1 MA's), (425, 54277), (441, 54226), (463, 54199), (469, 54184), (477, 54166), (487, 54154), (498, 54118), (511, 54088), (590, 53995), (594, 53983), (595, 53980), (603, 53959), (605, 53956), (609, 53947), (620, 53929), (658, 53866), (671, 53842), (725, 53737), (774, 53614), (792, 53563), (796, 53551), (797, 53548), (800, 53530), (806, 53512), (814, 53482), (820, 53455), (840, 53404), (856, 53341), (859, 53332), (893, 53248), (905, 53215), (910, 53200), (933, 53140), (939, 53122), (944, 53110), (950, 53089), (953, 53080), (955, 53077), (1007, 52960), (1018, 52942), (1021, 52936), (1039, 52897), (1040, 52885), (1041, 52882), (1044, 52867), (1050, 52855), (1054, 52843), (1070, 52801), (1075, 52792), (1084, 52771), (1091, 52750),

Gene: Mysterium_37 Start: 27509, Stop: 29491, Start Num: 253
Candidate Starts for Mysterium_37:
(Start: 253 @27509 has 33 MA's), (371, 27683), (386, 27713), (415, 27746), (427, 27779), (463, 27854), (473, 27881), (513, 27983), (568, 28082), (647, 28256), (666, 28283), (732, 28412), (788, 28550), (812, 28637), (819, 28670), (830, 28700), (847, 28757), (862, 28823), (903, 28916), (934, 29003), (1007, 29183), (1021, 29207), (1060, 29318), (1107, 29426),

Gene: Myxus_45 Start: 31483, Stop: 29690, Start Num: 254
Candidate Starts for Myxus_45:
(Start: 254 @31483 has 935 MA's), (261, 31474), (289, 31432), (369, 31312), (371, 31309), (396, 31261), (427, 31201), (437, 31171), (441, 31159), (449, 31147), (514, 30994), (591, 30901), (666, 30763), (680, 30733), (759, 30574), (767, 30562), (785, 30535), (815, 30427), (819, 30406), (859, 30271), (862, 30253), (904, 30172), (920, 30130), (946, 30055), (983, 29980), (1003, 29938), (1041,

29836), (1060, 29779), (1065, 29767), (1071, 29758),

Gene: NEHalo_43 Start: 34014, Stop: 32185, Start Num: 254
Candidate Starts for NEHalo_43:
(Start: 254 @34014 has 935 MA's), (391, 33801), (426, 33738), (436, 33708), (443, 33687), (449, 33681), (455, 33672), (504, 33555), (514, 33528), (591, 33435), (596, 33420), (609, 33387), (639, 33336), (641, 33333), (675, 33279), (680, 33267), (701, 33237), (711, 33207), (734, 33162), (755, 33123), (819, 32943), (834, 32895), (850, 32847), (859, 32808), (862, 32790), (875, 32751), (899, 32730), (904, 32709), (909, 32694), (953, 32571), (971, 32538), (1035, 32400), (1040, 32376), (1057, 32328), (1060, 32316), (1071, 32295), (1075, 32289), (1094, 32241), (1101, 32226),

Gene: NHagos_52 Start: 46533, Stop: 44725, Start Num: 251
Candidate Starts for NHagos_52:
(Start: 251 @46533 has 15 MA's), (Start: 258 @46524 has 2 MA's), (287, 46485), (Start: 288 @46482 has 1 MA's), (300, 46461), (305, 46452), (328, 46416), (360, 46356), (388, 46314), (413, 46272), (463, 46164), (469, 46149), (477, 46131), (489, 46116), (511, 46053), (567, 45996), (590, 45960), (594, 45948), (658, 45831), (666, 45819), (671, 45807), (679, 45789), (681, 45783), (796, 45516), (797, 45513), (814, 45447), (820, 45420), (844, 45363), (854, 45312), (856, 45306), (859, 45297), (881, 45234), (905, 45195), (910, 45180), (939, 45102), (944, 45090), (950, 45069), (953, 45060), (970, 45030), (1000, 44973), (1039, 44877), (1042, 44859), (1054, 44823), (1073, 44775), (1084, 44751),

Gene: NaSiaTalie_44 Start: 31357, Stop: 29570, Start Num: 254
Candidate Starts for NaSiaTalie_44:
(Start: 254 @31357 has 935 MA's), (386, 31153), (388, 31150), (391, 31144), (413, 31114), (426, 31081), (427, 31078), (436, 31051), (449, 31024), (474, 30973), (514, 30871), (591, 30778), (609, 30730), (618, 30721), (626, 30706), (666, 30640), (708, 30559), (732, 30511), (798, 30367), (819, 30286), (836, 30235), (846, 30202), (862, 30133), (875, 30094), (899, 30073), (904, 30052), (908, 30040), (983, 29860), (985, 29854), (1003, 29818), (1007, 29794), (1041, 29716), (1060, 29659), (1065, 29647),

Gene: Naca_39 Start: 30726, Stop: 28828, Start Num: 224
Candidate Starts for Naca_39:
(Start: 224 @30726 has 2 MA's), (Start: 254 @30693 has 935 MA's), (334, 30582), (386, 30489), (388, 30486), (426, 30417), (427, 30414), (436, 30387), (449, 30360), (455, 30351), (491, 30267), (501, 30243), (514, 30207), (571, 30147), (591, 30111), (609, 30063), (625, 30042), (626, 30039), (659, 29979), (706, 29901), (727, 29853), (734, 29841), (758, 29793), (783, 29742), (819, 29607), (834, 29559), (843, 29541), (847, 29520), (850, 29511), (856, 29481), (862, 29454), (863, 29451), (904, 29373), (910, 29355), (929, 29307), (946, 29256), (971, 29202), (975, 29193), (985, 29175), (1018, 29097), (1053, 29004), (1060, 28980), (1065, 28968), (1111, 28863),

Gene: Nacho_0062 Start: 54781, Stop: 52922, Start Num: 215
Candidate Starts for Nacho_0062:
(Start: 198 @54805 has 1 MA's), (Start: 215 @54781 has 328 MA's), (Start: 245 @54757 has 14 MA's), (Start: 258 @54751 has 2 MA's), (Start: 288 @54709 has 1 MA's), (300, 54688), (360, 54574), (363, 54568), (382, 54538), (418, 54478), (425, 54457), (442, 54403), (454, 54391), (464, 54373), (469, 54361), (511, 54256), (567, 54199), (590, 54163), (594, 54151), (605, 54124), (620, 54097), (630, 54079), (641, 54061), (666, 54022), (670, 54013), (671, 54010), (783, 53752), (813, 53650), (820, 53617), (827, 53596), (856, 53503), (859, 53494), (881, 53431), (904, 53395), (905, 53392), (910, 53377), (939, 53299), (944, 53287), (950, 53266), (970, 53227), (1007, 53137), (1018, 53119), (1021, 53113), (1029, 53098), (1039, 53074), (1041, 53059), (1042, 53056), (1044, 53044), (1054, 53020), (1073, 52972), (1084, 52948),

Gene: Nagem_39 Start: 28930, Stop: 27065, Start Num: 339

Candidate Starts for Nagem_39:
(Start: 275 @29017 has 3 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (725, 28123), (749, 28063), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: Naiad_36 Start: 28126, Stop: 26342, Start Num: 254
Candidate Starts for Naiad_36:
(Start: 254 @28126 has 935 MA's), (407, 27892), (422, 27862), (425, 27853), (426, 27850), (441, 27805), (449, 27793), (474, 27742), (514, 27640), (548, 27619), (591, 27547), (606, 27502), (609, 27499), (636, 27457), (638, 27451), (647, 27436), (666, 27409), (719, 27304), (725, 27295), (734, 27277), (735, 27274), (755, 27238), (819, 27058), (834, 27010), (862, 26905), (863, 26902), (899, 26845), (904, 26824), (948, 26701), (985, 26626), (1003, 26590), (1007, 26566), (1041, 26488), (1060, 26431), (1065, 26419), (1085, 26380), (1091, 26362),

Gene: Naira_46 Start: 36492, Stop: 34705, Start Num: 254
Candidate Starts for Naira_46:
(Start: 254 @36492 has 935 MA's), (391, 36279), (400, 36264), (426, 36216), (436, 36186), (443, 36165), (449, 36159), (455, 36150), (504, 36033), (514, 36006), (591, 35913), (596, 35898), (639, 35814), (641, 35811), (680, 35745), (701, 35715), (711, 35685), (734, 35640), (755, 35601), (819, 35421), (834, 35373), (847, 35334), (862, 35268), (902, 35196), (904, 35187), (935, 35103), (971, 35016), (1029, 34890), (1035, 34878), (1060, 34794), (1063, 34788),

Gene: Naji_47 Start: 31153, Stop: 29330, Start Num: 254
Candidate Starts for Naji_47:
(Start: 254 @31153 has 935 MA's), (386, 30949), (400, 30925), (413, 30907), (421, 30889), (426, 30874), (427, 30871), (436, 30844), (449, 30817), (474, 30766), (514, 30664), (591, 30571), (609, 30523), (618, 30514), (625, 30502), (626, 30499), (666, 30433), (701, 30373), (755, 30259), (767, 30235), (786, 30196), (819, 30070), (836, 30019), (847, 29983), (862, 29917), (875, 29878), (905, 29809), (920, 29770), (936, 29725), (946, 29695), (975, 29632), (985, 29614), (1007, 29554), (1060, 29419), (1065, 29407), (1071, 29398),

Gene: Nanao_52 Start: 52988, Stop: 51165, Start Num: 208
Candidate Starts for Nanao_52:
(Start: 190 @53006 has 4 MA's), (Start: 208 @52988 has 32 MA's), (Start: 258 @52964 has 2 MA's), (280, 52937), (Start: 288 @52922 has 1 MA's), (300, 52901), (353, 52814), (415, 52709), (430, 52667), (464, 52601), (477, 52571), (481, 52562), (487, 52559), (489, 52556), (496, 52529), (567, 52436), (582, 52418), (590, 52400), (594, 52388), (599, 52373), (605, 52361), (670, 52250), (671, 52247), (684, 52217), (706, 52181), (796, 51956), (797, 51953), (806, 51917), (813, 51893), (820, 51860), (854, 51752), (856, 51746), (858, 51740), (859, 51737), (904, 51638), (905, 51635), (910, 51620), (939, 51542), (944, 51530), (950, 51509), (953, 51500), (970, 51470), (983, 51446), (1000, 51413), (1007, 51380), (1018, 51362), (1021, 51356), (1039, 51317), (1042, 51299), (1044, 51287), (1054, 51263), (1070, 51221), (1073, 51215), (1084, 51191),

Gene: Nancinator_36 Start: 28114, Stop: 26330, Start Num: 254
Candidate Starts for Nancinator_36:
(Start: 254 @28114 has 935 MA's), (407, 27880), (422, 27850), (425, 27841), (426, 27838), (441, 27793), (449, 27781), (474, 27730), (514, 27628), (548, 27607), (591, 27535), (606, 27490), (609, 27487), (636, 27445), (638, 27439), (647, 27424), (666, 27397), (719, 27292), (725, 27283), (734, 27265), (755, 27226), (787, 27169), (819, 27046), (834, 26998), (862, 26893), (863, 26890), (899,

26833), (904, 26812), (923, 26764), (948, 26689), (983, 26620), (1003, 26578), (1007, 26554), (1041, 26476), (1060, 26419), (1065, 26407), (1071, 26398), (1085, 26368), (1091, 26350),

Gene: Nangang_58 Start: 54780, Stop: 52933, Start Num: 199
Candidate Starts for Nangang_58:
(155, 54846), (199, 54780), (257, 54732), (280, 54705), (313, 54654), (360, 54579), (418, 54486), (464, 54384), (487, 54342), (498, 54306), (511, 54276), (590, 54183), (603, 54147), (609, 54135), (620, 54117), (671, 54030), (725, 53925), (732, 53916), (774, 53802), (797, 53736), (800, 53718), (814, 53670), (820, 53643), (854, 53535), (856, 53529), (859, 53520), (863, 53499), (893, 53436), (905, 53403), (910, 53388), (933, 53328), (939, 53310), (944, 53298), (950, 53277), (953, 53268), (955, 53265), (962, 53253), (1007, 53148), (1021, 53124), (1039, 53085), (1041, 53070), (1042, 53067), (1050, 53043), (1054, 53031), (1055, 53028), (1084, 52959),

Gene: Nathan_61 Start: 54114, Stop: 52255, Start Num: 215
Candidate Starts for Nathan_61:
(Start: 198 @54138 has 1 MA's), (Start: 215 @54114 has 328 MA's), (Start: 245 @54090 has 14 MA's), (Start: 258 @54084 has 2 MA's), (Start: 288 @54042 has 1 MA's), (300, 54021), (360, 53907), (363, 53901), (382, 53871), (418, 53811), (425, 53790), (442, 53736), (454, 53724), (464, 53706), (469, 53694), (511, 53589), (567, 53532), (590, 53496), (594, 53484), (603, 53460), (609, 53448), (620, 53430), (630, 53412), (641, 53394), (666, 53355), (670, 53346), (671, 53343), (673, 53340), (783, 53085), (813, 52983), (820, 52950), (827, 52929), (856, 52836), (859, 52827), (881, 52764), (905, 52725), (910, 52710), (939, 52632), (944, 52620), (950, 52599), (970, 52560), (1004, 52491), (1007, 52470), (1018, 52452), (1021, 52446), (1029, 52431), (1039, 52407), (1041, 52392), (1042, 52389), (1044, 52377), (1054, 52353), (1073, 52305), (1084, 52281),

Gene: Natosaleda_36 Start: 28113, Stop: 26329, Start Num: 254
Candidate Starts for Natosaleda_36:
(Start: 254 @28113 has 935 MA's), (407, 27879), (422, 27849), (425, 27840), (426, 27837), (441, 27792), (449, 27780), (474, 27729), (514, 27627), (548, 27606), (591, 27534), (606, 27489), (609, 27486), (636, 27444), (638, 27438), (647, 27423), (666, 27396), (719, 27291), (725, 27282), (734, 27264), (755, 27225), (787, 27168), (819, 27045), (834, 26997), (862, 26892), (863, 26889), (899, 26832), (904, 26811), (923, 26763), (948, 26688), (983, 26619), (1003, 26577), (1007, 26553), (1041, 26475), (1060, 26418), (1065, 26406), (1071, 26397), (1085, 26367), (1091, 26349),

Gene: Nattles_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for Nattles_38:
(Start: 275 @28706 has 3 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365), (880, 27359), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: NearlyHeadless_43 Start: 30653, Stop: 28809, Start Num: 254
Candidate Starts for NearlyHeadless_43:
(Start: 254 @30653 has 935 MA's), (289, 30602), (371, 30479), (386, 30449), (413, 30410), (426, 30377), (436, 30347), (443, 30326), (449, 30320), (455, 30311), (474, 30269), (494, 30218), (513, 30170), (514, 30167), (591, 30071), (600, 30044), (606, 30026), (618, 30014), (647, 29960), (666, 29933), (690, 29885), (719, 29828), (734, 29801), (759, 29750), (768, 29735), (815, 29588), (819, 29567), (830, 29537), (834, 29519), (836, 29516), (843, 29501), (847, 29480), (850, 29471), (855, 29444), (859, 29432), (862, 29414), (904, 29333), (908, 29321), (929, 29267), (941, 29231), (953, 29195), (971, 29162), (983, 29141), (985, 29135), (1004, 29096), (1007, 29075), (1018, 29057), (1060,

28940), (1065, 28928),

Gene: Nebs_46 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Nebs_46:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Nebulosus_46 Start: 29739, Stop: 27949, Start Num: 254
Candidate Starts for Nebulosus_46:
(Start: 254 @29739 has 935 MA's), (371, 29565), (426, 29460), (427, 29457), (436, 29430), (449, 29403), (474, 29352), (514, 29250), (591, 29157), (606, 29112), (609, 29109), (618, 29100), (719, 28911), (755, 28845), (788, 28785), (798, 28746), (813, 28695), (819, 28665), (836, 28614), (846, 28581), (855, 28542), (862, 28512), (899, 28452), (904, 28431), (920, 28389), (930, 28362), (935, 28347), (971, 28260), (1003, 28197), (1004, 28194), (1060, 28038), (1065, 28026), (1073, 28014),

Gene: Nebulous_37 Start: 30025, Stop: 28133, Start Num: 337
Candidate Starts for Nebulous_37:
(Start: 337 @30025 has 44 MA's), (355, 29980), (381, 29926), (387, 29920), (398, 29902), (419, 29869), (420, 29866), (438, 29815), (441, 29812), (477, 29734), (478, 29731), (495, 29683), (511, 29641), (544, 29539), (557, 29506), (582, 29464), (587, 29458), (588, 29455), (591, 29443), (601, 29413), (639, 29380), (641, 29377), (654, 29356), (731, 29209), (791, 29053), (862, 28786), (874, 28750), (876, 28744), (884, 28729), (910, 28666), (912, 28657), (1007, 28375), (1008, 28372), (1025, 28336), (1058, 28231),

Gene: Nedarya_43 Start: 29505, Stop: 27715, Start Num: 254
Candidate Starts for Nedarya_43:
(Start: 254 @29505 has 935 MA's), (391, 29292), (426, 29226), (427, 29223), (436, 29196), (449, 29169), (514, 29016), (591, 28923), (606, 28878), (609, 28875), (626, 28851), (734, 28650), (755, 28611), (788, 28551), (798, 28512), (815, 28452), (819, 28431), (836, 28380), (846, 28347), (855, 28308), (862, 28278), (899, 28218), (904, 28197), (931, 28125), (971, 28026), (1003, 27963), (1059, 27807), (1060, 27804), (1065, 27792),

Gene: Neeharika16_45 Start: 29638, Stop: 27797, Start Num: 254
Candidate Starts for Neeharika16_45:
(Start: 254 @29638 has 935 MA's), (386, 29434), (426, 29359), (427, 29356), (436, 29329), (441, 29314), (449, 29302), (474, 29251), (510, 29161), (514, 29149), (591, 29056), (605, 29017), (618, 28999), (626, 28984), (666, 28918), (681, 28885), (683, 28882), (735, 28780), (767, 28720), (798, 28636), (819, 28555), (846, 28471), (847, 28468), (850, 28459), (855, 28432), (862, 28402), (899, 28342), (910, 28303), (1003, 28087), (1004, 28084), (1007, 28063), (1060, 27928), (1065, 27916), (1071, 27907), (1073, 27904), (1111, 27811),

Gene: Neferthena_38 Start: 29229, Stop: 27331, Start Num: 337
Candidate Starts for Neferthena_38:
(Start: 337 @29229 has 44 MA's), (381, 29130), (387, 29124), (419, 29073), (420, 29070), (438, 29019), (441, 29016), (469, 28962), (471, 28956), (477, 28938), (495, 28887), (531, 28785), (544, 28737), (554, 28716), (557, 28704), (582, 28662), (587, 28656), (588, 28653), (591, 28641), (601, 28611), (634, 28590), (639, 28578), (641, 28575), (654, 28554), (731, 28407), (791, 28251), (862, 27984), (874, 27948), (876, 27942), (884, 27927), (910, 27864), (912, 27855), (925, 27810), (1007, 27573), (1008, 27570), (1025, 27534),

Gene: Nehemiah_57 Start: 54574, Stop: 52745, Start Num: 208
Candidate Starts for Nehemiah_57:
(Start: 208 @54574 has 32 MA's), (Start: 239 @54553 has 1 MA's), (Start: 258 @54544 has 2 MA's), (280, 54517), (Start: 288 @54502 has 1 MA's), (425, 54277), (463, 54199), (477, 54166), (487, 54154), (498, 54118), (511, 54088), (590, 53995), (594, 53983), (595, 53980), (603, 53959), (605, 53956), (609, 53947), (620, 53929), (658, 53866), (671, 53842), (725, 53737), (774, 53614), (792, 53563), (796, 53551), (797, 53548), (800, 53530), (806, 53512), (814, 53482), (820, 53455), (840, 53404), (856, 53341), (859, 53332), (893, 53248), (905, 53215), (910, 53200), (933, 53140), (939, 53122), (944, 53110), (950, 53089), (953, 53080), (955, 53077), (1007, 52960), (1018, 52942), (1021, 52936), (1039, 52897), (1040, 52885), (1041, 52882), (1044, 52867), (1050, 52855), (1054, 52843), (1070, 52801), (1075, 52792), (1084, 52771), (1091, 52750),

Gene: Nellie_36 Start: 31889, Stop: 30144, Start Num: 285
Candidate Starts for Nellie_36:
(267, 31916), (Start: 285 @31889 has 6 MA's), (287, 31886), (Start: 304 @31853 has 2 MA's), (308, 31847), (361, 31754), (383, 31721), (401, 31694), (465, 31559), (558, 31430), (561, 31424), (578, 31400), (585, 31385), (594, 31358), (605, 31328), (650, 31247), (656, 31238), (684, 31178), (698, 31157), (761, 31043), (768, 31025), (875, 30647), (885, 30629), (921, 30563), (927, 30548), (1012, 30329), (1035, 30287), (1060, 30203), (1074, 30170),

Gene: Nemo27_45 Start: 31569, Stop: 29743, Start Num: 254
Candidate Starts for Nemo27_45:
(Start: 254 @31569 has 935 MA's), (271, 31548), (289, 31518), (305, 31488), (413, 31326), (421, 31308), (449, 31236), (455, 31227), (505, 31107), (514, 31083), (591, 30990), (611, 30942), (626, 30921), (647, 30882), (719, 30750), (732, 30729), (755, 30684), (759, 30672), (815, 30519), (819, 30498), (855, 30375), (862, 30345), (875, 30306), (904, 30240), (905, 30237), (910, 30222), (920, 30198), (929, 30174), (1007, 29967), (1060, 29832), (1065, 29820), (1071, 29811),

Gene: Neos5_58 Start: 53992, Stop: 52175, Start Num: 256
Candidate Starts for Neos5_58:
(65, 54376), (137, 54175), (Start: 256 @53992 has 51 MA's), (280, 53962), (391, 53782), (437, 53677), (463, 53629), (467, 53617), (481, 53587), (489, 53581), (511, 53518), (513, 53512), (567, 53461), (588, 53434), (590, 53425), (609, 53377), (671, 53272), (718, 53176), (747, 53125), (796, 52981), (806, 52942), (814, 52912), (820, 52885), (824, 52873), (854, 52777), (856, 52771), (859, 52762), (861, 52750), (893, 52678), (904, 52648), (910, 52630), (915, 52621), (939, 52552), (944, 52540), (950, 52519), (985, 52450), (996, 52435), (1004, 52411), (1007, 52390), (1018, 52372), (1021, 52366), (1037, 52333), (1039, 52327), (1042, 52309), (1044, 52297), (1050, 52285), (1054, 52273), (1070, 52231), (1084, 52201),

Gene: Nerujay_46 Start: 35102, Stop: 33276, Start Num: 254
Candidate Starts for Nerujay_46:
(Start: 254 @35102 has 935 MA's), (391, 34889), (400, 34874), (436, 34796), (439, 34784), (443, 34775), (449, 34769), (455, 34760), (504, 34643), (514, 34616), (591, 34523), (596, 34508), (609, 34475), (639, 34424), (641, 34421), (680, 34355), (711, 34295), (734, 34250), (755, 34211), (819, 34031), (834, 33983), (847, 33944), (862, 33878), (875, 33839), (899, 33818), (904, 33797), (910, 33779), (935, 33713), (1003, 33563), (1004, 33560), (1012, 33524), (1029, 33500), (1034, 33491), (1038, 33479), (1043, 33452), (1060, 33404), (1071, 33383),

Gene: Nesbitt_42 Start: 30153, Stop: 32018, Start Num: 254
Candidate Starts for Nesbitt_42:
(Start: 254 @30153 has 935 MA's), (Start: 288 @30201 has 1 MA's), (Start: 299 @30222 has 1 MA's), (352, 30297), (435, 30456), (436, 30459), (437, 30462), (443, 30480), (455, 30495), (470, 30525), (474, 30537), (516, 30645), (603, 30765), (626, 30807), (647, 30846), (657, 30861), (658, 30864),

(659, 30867), (684, 30912), (702, 30933), (708, 30951), (711, 30960), (732, 30999), (742, 31029), (747, 31041), (769, 31104), (804, 31221), (819, 31281), (834, 31329), (847, 31368), (853, 31398), (862, 31434), (884, 31488), (905, 31536), (929, 31599), (967, 31698), (971, 31707), (999, 31758), (1021, 31818), (1032, 31836), (1053, 31905), (1060, 31929), (1075, 31956),

Gene: Neuvillette_40 Start: 28660, Stop: 26870, Start Num: 236
Candidate Starts for Neuvillette_40:
(194, 28720), (Start: 215 @28696 has 328 MA's), (Start: 229 @28675 has 1 MA's), (Start: 236 @28660 has 5 MA's), (Start: 245 @28651 has 14 MA's), (328, 28528), (356, 28480), (437, 28342), (438, 28336), (467, 28288), (506, 28207), (509, 28201), (517, 28177), (591, 28108), (632, 28027), (647, 28000), (657, 27985), (692, 27922), (721, 27865), (734, 27841), (736, 27835), (755, 27799), (774, 27763), (803, 27691), (815, 27649), (822, 27622), (851, 27526), (856, 27502), (862, 27475), (875, 27436), (906, 27361), (932, 27292), (948, 27244), (956, 27223), (979, 27169), (984, 27154), (1008, 27088), (1037, 27031), (1041, 27010), (1042, 27007), (1045, 26989), (1054, 26974),

Gene: Newman_59 Start: 54059, Stop: 52200, Start Num: 215
Candidate Starts for Newman_59:
(Start: 198 @54083 has 1 MA's), (Start: 215 @54059 has 328 MA's), (Start: 245 @54035 has 14 MA's), (Start: 258 @54029 has 2 MA's), (Start: 288 @53987 has 1 MA's), (300, 53966), (360, 53852), (363, 53846), (382, 53816), (418, 53756), (425, 53735), (442, 53681), (454, 53669), (464, 53651), (469, 53639), (511, 53534), (567, 53477), (590, 53441), (594, 53429), (605, 53402), (609, 53393), (630, 53357), (666, 53300), (670, 53291), (671, 53288), (673, 53285), (813, 52928), (820, 52895), (827, 52874), (856, 52781), (859, 52772), (881, 52709), (904, 52673), (905, 52670), (910, 52655), (939, 52577), (944, 52565), (950, 52544), (970, 52505), (1007, 52415), (1018, 52397), (1021, 52391), (1029, 52376), (1039, 52352), (1041, 52337), (1042, 52334), (1044, 52322), (1054, 52298), (1073, 52250), (1084, 52226),

Gene: Newrala_45 Start: 29638, Stop: 27797, Start Num: 254
Candidate Starts for Newrala_45:
(Start: 254 @29638 has 935 MA's), (386, 29434), (426, 29359), (427, 29356), (436, 29329), (441, 29314), (449, 29302), (474, 29251), (510, 29161), (514, 29149), (591, 29056), (605, 29017), (618, 28999), (626, 28984), (666, 28918), (681, 28885), (683, 28882), (735, 28780), (767, 28720), (798, 28636), (819, 28555), (846, 28471), (847, 28468), (850, 28459), (855, 28432), (862, 28402), (899, 28342), (910, 28303), (1003, 28087), (1004, 28084), (1007, 28063), (1060, 27928), (1065, 27916), (1071, 27907), (1073, 27904), (1111, 27811),

Gene: Nhonho_45 Start: 35071, Stop: 33245, Start Num: 254
Candidate Starts for Nhonho_45:
(Start: 254 @35071 has 935 MA's), (391, 34858), (426, 34795), (436, 34765), (443, 34744), (449, 34738), (455, 34729), (504, 34612), (514, 34585), (591, 34492), (596, 34477), (609, 34444), (639, 34393), (641, 34390), (680, 34324), (701, 34294), (711, 34264), (734, 34219), (755, 34180), (819, 34000), (834, 33952), (847, 33913), (862, 33847), (875, 33808), (899, 33787), (904, 33766), (910, 33748), (935, 33682), (1003, 33532), (1004, 33529), (1012, 33493), (1029, 33469), (1034, 33460), (1038, 33448), (1043, 33421), (1060, 33373), (1071, 33352),

Gene: NiaNia_63 Start: 54056, Stop: 52197, Start Num: 215
Candidate Starts for NiaNia_63:
(Start: 198 @54080 has 1 MA's), (Start: 215 @54056 has 328 MA's), (Start: 245 @54032 has 14 MA's), (Start: 258 @54026 has 2 MA's), (Start: 288 @53984 has 1 MA's), (300, 53963), (360, 53849), (363, 53843), (382, 53813), (418, 53753), (425, 53732), (442, 53678), (454, 53666), (464, 53648), (469, 53636), (511, 53531), (567, 53474), (590, 53438), (594, 53426), (605, 53399), (620, 53372), (630, 53354), (641, 53336), (666, 53297), (670, 53288), (671, 53285), (813, 52925), (820, 52892), (827, 52871), (856, 52778), (859, 52769), (881, 52706), (904, 52670), (905, 52667), (910, 52652),

(939, 52574), (944, 52562), (950, 52541), (970, 52502), (1007, 52412), (1018, 52394), (1021, 52388), (1029, 52373), (1039, 52349), (1041, 52334), (1042, 52331), (1044, 52319), (1054, 52295), (1073, 52247), (1084, 52223),

Gene: Nibbles_39 Start: 31737, Stop: 29380, Start Num: 57
Candidate Starts for Nibbles_39:
(55, 31746), (Start: 57 @31737 has 26 MA's), (63, 31722), (74, 31686), (131, 31551), (165, 31488), (Start: 210 @31446 has 3 MA's), (Start: 219 @31434 has 1 MA's), (292, 31332), (297, 31329), (341, 31254), (358, 31215), (367, 31194), (403, 31143), (424, 31101), (434, 31071), (459, 31017), (469, 30996), (476, 30975), (498, 30912), (541, 30777), (546, 30762), (560, 30735), (569, 30717), (611, 30633), (664, 30597), (733, 30504), (753, 30462), (754, 30459), (755, 30456), (768, 30432), (774, 30420), (778, 30408), (816, 30267), (825, 30240), (862, 30105), (874, 30069), (876, 30063), (880, 30057), (883, 30051), (897, 30027), (905, 29994), (912, 29970), (925, 29925), (927, 29919), (947, 29859), (991, 29751), (1009, 29682), (1013, 29670), (1027, 29646), (1050, 29568), (1058, 29544), (1081, 29475),

Gene: NickSell_39 Start: 28939, Stop: 27074, Start Num: 339
Candidate Starts for NickSell_39:
(14, 29698), (84, 29395), (Start: 242 @29065 has 1 MA's), (273, 29029), (278, 29023), (Start: 339 @28939 has 121 MA's), (Start: 342 @28930 has 5 MA's), (392, 28825), (398, 28816), (418, 28786), (419, 28783), (472, 28663), (476, 28651), (478, 28645), (518, 28540), (525, 28513), (582, 28372), (587, 28366), (588, 28363), (591, 28351), (600, 28324), (601, 28321), (612, 28306), (634, 28300), (637, 28294), (657, 28261), (749, 28072), (855, 27757), (858, 27748), (859, 27745), (862, 27727), (876, 27685), (880, 27679), (884, 27670), (895, 27655), (912, 27598), (970, 27439), (982, 27409), (985, 27400), (1004, 27340), (1007, 27316), (1025, 27277), (1039, 27244), (1040, 27232), (1058, 27172),

Gene: Nicky22_43 Start: 30033, Stop: 31907, Start Num: 241
Candidate Starts for Nicky22_43:
(Start: 238 @30030 has 7 MA's), (Start: 241 @30033 has 65 MA's), (Start: 299 @30102 has 1 MA's), (315, 30123), (349, 30174), (455, 30369), (474, 30411), (647, 30705), (719, 30840), (766, 30939), (804, 31062), (819, 31122), (822, 31128), (836, 31173), (845, 31203), (853, 31239), (862, 31275), (903, 31368), (936, 31461), (967, 31539), (1003, 31611), (1012, 31650), (1037, 31692), (1040, 31710), (1053, 31746), (1060, 31770), (1071, 31791),

Gene: Nicole21_61 Start: 54312, Stop: 52453, Start Num: 215
Candidate Starts for Nicole21_61:
(Start: 198 @54336 has 1 MA's), (Start: 215 @54312 has 328 MA's), (Start: 245 @54288 has 14 MA's), (Start: 258 @54282 has 2 MA's), (Start: 288 @54240 has 1 MA's), (300, 54219), (360, 54105), (363, 54099), (382, 54069), (418, 54009), (425, 53988), (442, 53934), (454, 53922), (464, 53904), (469, 53892), (511, 53787), (567, 53730), (590, 53694), (594, 53682), (603, 53658), (609, 53646), (620, 53628), (630, 53610), (641, 53592), (666, 53553), (670, 53544), (671, 53541), (673, 53538), (813, 53181), (820, 53148), (827, 53127), (856, 53034), (859, 53025), (881, 52962), (904, 52926), (905, 52923), (910, 52908), (939, 52830), (944, 52818), (950, 52797), (970, 52758), (1007, 52668), (1018, 52650), (1021, 52644), (1029, 52629), (1039, 52605), (1041, 52590), (1042, 52587), (1044, 52575), (1054, 52551), (1073, 52503), (1084, 52479),

Gene: NicoleTera_45 Start: 32018, Stop: 30231, Start Num: 254
Candidate Starts for NicoleTera_45:
(Start: 254 @32018 has 935 MA's), (388, 31811), (402, 31790), (413, 31775), (425, 31745), (426, 31742), (436, 31712), (449, 31685), (463, 31664), (474, 31634), (514, 31532), (591, 31439), (609, 31391), (618, 31382), (666, 31301), (708, 31220), (732, 31172), (767, 31103), (819, 30947), (836, 30896), (846, 30863), (847, 30860), (862, 30794), (875, 30755), (899, 30734), (925, 30659), (929,

30647), (946, 30596), (956, 30569), (975, 30533), (985, 30515), (1003, 30479), (1007, 30455), (1037, 30398), (1060, 30320), (1065, 30308), (1071, 30299),

Gene: Nigel_54 Start: 53588, Stop: 51732, Start Num: 185
Candidate Starts for Nigel_54:
(Start: 185 @53588 has 2 MA's), (Start: 210 @53561 has 3 MA's), (Start: 258 @53534 has 2 MA's), (280, 53507), (Start: 288 @53492 has 1 MA's), (338, 53420), (340, 53414), (360, 53366), (363, 53360), (372, 53348), (382, 53330), (388, 53321), (418, 53270), (419, 53267), (464, 53168), (477, 53138), (481, 53129), (487, 53126), (496, 53096), (567, 53003), (582, 52985), (590, 52967), (594, 52955), (605, 52928), (670, 52817), (671, 52814), (679, 52796), (684, 52784), (706, 52748), (708, 52742), (715, 52724), (747, 52667), (783, 52562), (796, 52523), (797, 52520), (806, 52484), (820, 52427), (854, 52319), (856, 52313), (859, 52304), (902, 52214), (904, 52205), (905, 52202), (910, 52187), (939, 52109), (944, 52097), (950, 52076), (953, 52067), (985, 52007), (1000, 51980), (1007, 51947), (1018, 51929), (1021, 51923), (1039, 51884), (1041, 51869), (1042, 51866), (1044, 51854), (1054, 51830), (1070, 51788), (1073, 51782), (1084, 51758),

Gene: Nina_42 Start: 32678, Stop: 30285, Start Num: 45
Candidate Starts for Nina_42:
(Start: 45 @32678 has 21 MA's), (59, 32672), (Start: 75 @32624 has 1 MA's), (93, 32582), (103, 32558), (152, 32432), (165, 32408), (213, 32363), (247, 32312), (260, 32297), (Start: 277 @32276 has 1 MA's), (307, 32228), (326, 32195), (333, 32186), (367, 32111), (373, 32099), (417, 32030), (427, 32003), (429, 31997), (434, 31982), (459, 31928), (461, 31925), (469, 31907), (476, 31886), (497, 31826), (537, 31703), (539, 31697), (569, 31628), (591, 31586), (668, 31499), (684, 31475), (706, 31469), (716, 31445), (720, 31436), (727, 31421), (733, 31409), (753, 31367), (754, 31364), (755, 31361), (774, 31325), (807, 31214), (825, 31145), (827, 31139), (841, 31103), (853, 31046), (862, 31010), (874, 30974), (876, 30968), (880, 30962), (883, 30956), (905, 30899), (912, 30875), (925, 30830), (1058, 30449), (1072, 30404), (1076, 30395), (1101, 30335), (1108, 30317),

Gene: Niobe_39 Start: 30355, Stop: 32220, Start Num: 254
Candidate Starts for Niobe_39:
(Start: 254 @30355 has 935 MA's), (Start: 288 @30403 has 1 MA's), (411, 30586), (415, 30592), (436, 30652), (443, 30673), (479, 30742), (596, 30958), (641, 31048), (647, 31057), (657, 31072), (681, 31117), (732, 31210), (788, 31348), (819, 31468), (830, 31498), (847, 31555), (860, 31612), (862, 31621), (872, 31645), (903, 31714), (929, 31786), (932, 31795), (971, 31894), (1003, 31957), (1060, 32116), (1064, 32125),

Gene: Nirvana_71 Start: 48873, Stop: 46888, Start Num: 304
Candidate Starts for Nirvana_71:
(281, 48915), (Start: 304 @48873 has 2 MA's), (Start: 322 @48855 has 13 MA's), (379, 48759), (424, 48687), (435, 48651), (456, 48585), (476, 48537), (503, 48459), (505, 48453), (548, 48306), (557, 48270), (566, 48255), (573, 48228), (584, 48207), (588, 48201), (596, 48174), (668, 48039), (692, 47988), (784, 47754), (787, 47745), (792, 47727), (800, 47694), (810, 47664), (840, 47559), (856, 47493), (863, 47463), (867, 47442), (869, 47436), (939, 47274), (980, 47202), (988, 47181), (1021, 47085), (1028, 47073), (1033, 47064), (1038, 47052), (1041, 47034), (1048, 47010), (1058, 46986),

Gene: Nitro_40 Start: 30212, Stop: 32077, Start Num: 254
Candidate Starts for Nitro_40:
(Start: 254 @30212 has 935 MA's), (Start: 288 @30260 has 1 MA's), (436, 30509), (479, 30599), (593, 30806), (596, 30815), (639, 30902), (647, 30914), (657, 30929), (708, 31019), (759, 31124), (788, 31205), (819, 31325), (830, 31355), (847, 31412), (862, 31478), (929, 31643), (1003, 31814), (1007, 31838), (1018, 31856), (1060, 31973), (1064, 31982),

Gene: Niza_47 Start: 35869, Stop: 34082, Start Num: 254

Candidate Starts for Niza_47:
(Start: 254 @35869 has 935 MA's), (391, 35656), (400, 35641), (426, 35593), (436, 35563), (443, 35542), (449, 35536), (455, 35527), (504, 35410), (514, 35383), (591, 35290), (596, 35275), (609, 35242), (639, 35191), (641, 35188), (680, 35122), (701, 35092), (711, 35062), (734, 35017), (755, 34978), (819, 34798), (834, 34750), (847, 34711), (862, 34645), (902, 34573), (904, 34564), (935, 34480), (971, 34393), (1029, 34267), (1035, 34255), (1053, 34195), (1060, 34171), (1063, 34165),

Gene: NoShow_52 Start: 37810, Stop: 35447, Start Num: 67
Candidate Starts for NoShow_52:
(51, 37861), (Start: 57 @37840 has 26 MA's), (Start: 67 @37810 has 1 MA's), (Start: 75 @37786 has 1 MA's), (94, 37741), (Start: 96 @37735 has 1 MA's), (138, 37630), (143, 37621), (165, 37576), (213, 37531), (247, 37480), (260, 37465), (Start: 277 @37444 has 1 MA's), (430, 37165), (459, 37099), (497, 36997), (534, 36892), (537, 36874), (541, 36859), (568, 36802), (569, 36799), (581, 36781), (591, 36757), (593, 36751), (655, 36682), (664, 36679), (668, 36670), (736, 36580), (739, 36571), (768, 36511), (773, 36502), (775, 36496), (836, 36283), (837, 36280), (848, 36241), (855, 36208), (874, 36142), (876, 36136), (880, 36130), (883, 36124), (905, 36067), (912, 36043), (1005, 35776), (1039, 35689), (1050, 35641), (1058, 35617), (1081, 35548),

Gene: Nodigi_51 Start: 35275, Stop: 32885, Start Num: 57
Candidate Starts for Nodigi_51:
(28, 35404), (30, 35395), (Start: 57 @35275 has 26 MA's), (112, 35143), (115, 35131), (129, 35086), (165, 35023), (176, 35002), (Start: 219 @34969 has 1 MA's), (260, 34912), (294, 34864), (303, 34849), (333, 34801), (367, 34726), (371, 34720), (373, 34714), (376, 34708), (417, 34639), (426, 34615), (434, 34591), (469, 34516), (476, 34495), (493, 34447), (497, 34435), (515, 34390), (567, 34234), (569, 34228), (668, 34099), (716, 34051), (722, 34039), (754, 33967), (774, 33925), (807, 33814), (816, 33772), (823, 33748), (825, 33739), (841, 33697), (862, 33604), (874, 33568), (876, 33562), (880, 33556), (883, 33550), (905, 33493), (912, 33469), (915, 33451), (947, 33358), (979, 33289), (991, 33250), (1004, 33211), (1006, 33190), (1020, 33157), (1032, 33139), (1058, 33043), (1064, 33019), (1108, 32911),

Gene: Noella_44 Start: 31598, Stop: 29760, Start Num: 254
Candidate Starts for Noella_44:
(Start: 254 @31598 has 935 MA's), (289, 31547), (386, 31394), (426, 31322), (436, 31292), (449, 31265), (455, 31256), (514, 31112), (591, 31016), (611, 30968), (647, 30908), (702, 30821), (719, 30776), (732, 30755), (768, 30683), (787, 30641), (798, 30599), (819, 30518), (834, 30470), (847, 30431), (855, 30395), (862, 30365), (873, 30335), (905, 30254), (920, 30215), (929, 30191), (935, 30173), (936, 30170), (985, 30044), (1007, 29984), (1043, 29897), (1060, 29849), (1065, 29837), (1071, 29828),

Gene: Noelle_45 Start: 31832, Stop: 30003, Start Num: 254
Candidate Starts for Noelle_45:
(Start: 254 @31832 has 935 MA's), (Start: 282 @31796 has 7 MA's), (386, 31628), (413, 31589), (421, 31571), (422, 31568), (449, 31499), (455, 31490), (505, 31370), (514, 31346), (591, 31253), (611, 31205), (647, 31145), (675, 31100), (678, 31094), (719, 31013), (732, 30992), (755, 30947), (815, 30782), (819, 30761), (850, 30665), (855, 30638), (856, 30635), (862, 30608), (875, 30569), (905, 30497), (910, 30482), (920, 30458), (927, 30440), (929, 30434), (931, 30428), (1007, 30227), (1060, 30092), (1065, 30080), (1071, 30071),

Gene: Norbert_43 Start: 31597, Stop: 29759, Start Num: 254
Candidate Starts for Norbert_43:
(Start: 254 @31597 has 935 MA's), (289, 31546), (386, 31393), (426, 31321), (436, 31291), (449, 31264), (455, 31255), (514, 31111), (591, 31015), (611, 30967), (647, 30907), (702, 30820), (719, 30775), (732, 30754), (768, 30682), (787, 30640), (798, 30598), (819, 30517), (834, 30469), (847,

30430), (855, 30394), (862, 30364), (873, 30334), (905, 30253), (920, 30214), (929, 30190), (935, 30172), (936, 30169), (985, 30043), (1007, 29983), (1043, 29896), (1060, 29848), (1065, 29836), (1071, 29827),

Gene: NorthStar_44 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for NorthStar_44:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Norz_45 Start: 34915, Stop: 33089, Start Num: 254
Candidate Starts for Norz_45:
(Start: 254 @34915 has 935 MA's), (391, 34702), (400, 34687), (426, 34639), (436, 34609), (443, 34588), (449, 34582), (455, 34573), (504, 34456), (514, 34429), (591, 34336), (596, 34321), (639, 34237), (641, 34234), (680, 34168), (701, 34138), (711, 34108), (734, 34063), (755, 34024), (819, 33844), (830, 33814), (834, 33796), (847, 33757), (862, 33691), (904, 33610), (905, 33607), (935, 33526), (1003, 33376), (1004, 33373), (1012, 33337), (1029, 33313), (1034, 33304), (1038, 33292), (1060, 33217), (1071, 33196),

Gene: NotAPhaseMom_45 Start: 31574, Stop: 29748, Start Num: 254
Candidate Starts for NotAPhaseMom_45:
(Start: 254 @31574 has 935 MA's), (271, 31553), (289, 31523), (305, 31493), (413, 31331), (421, 31313), (449, 31241), (455, 31232), (505, 31112), (514, 31088), (591, 30995), (611, 30947), (626, 30926), (647, 30887), (719, 30755), (732, 30734), (755, 30689), (759, 30677), (815, 30524), (819, 30503), (855, 30380), (862, 30350), (875, 30311), (904, 30245), (905, 30242), (910, 30227), (920, 30203), (929, 30179), (1007, 29972), (1060, 29837), (1065, 29825), (1071, 29816),

Gene: NothingSpecial_43 Start: 32022, Stop: 30235, Start Num: 254
Candidate Starts for NothingSpecial_43:
(Start: 254 @32022 has 935 MA's), (388, 31815), (391, 31809), (413, 31779), (426, 31746), (427, 31743), (436, 31716), (449, 31689), (455, 31680), (514, 31536), (591, 31443), (609, 31395), (618, 31386), (626, 31371), (666, 31305), (708, 31224), (732, 31176), (819, 30951), (836, 30900), (846, 30867), (862, 30798), (875, 30759), (899, 30738), (904, 30717), (985, 30519), (1003, 30483), (1007, 30459), (1041, 30381), (1060, 30324), (1065, 30312), (1071, 30303),

Gene: Nova1_63 Start: 54366, Stop: 52507, Start Num: 215
Candidate Starts for Nova1_63:
(Start: 198 @54390 has 1 MA's), (Start: 215 @54366 has 328 MA's), (Start: 245 @54342 has 14 MA's), (Start: 258 @54336 has 2 MA's), (Start: 288 @54294 has 1 MA's), (300, 54273), (360, 54159), (363, 54153), (382, 54123), (418, 54063), (425, 54042), (442, 53988), (454, 53976), (464, 53958), (469, 53946), (511, 53841), (567, 53784), (590, 53748), (594, 53736), (605, 53709), (630, 53664), (666, 53607), (670, 53598), (671, 53595), (813, 53235), (820, 53202), (827, 53181), (856, 53088), (859, 53079), (881, 53016), (904, 52980), (905, 52977), (910, 52962), (939, 52884), (944, 52872), (950, 52851), (970, 52812), (1007, 52722), (1018, 52704), (1021, 52698), (1029, 52683), (1039, 52659), (1041, 52644), (1042, 52641), (1044, 52629), (1054, 52605), (1073, 52557), (1084, 52533),

Gene: Noxious_46 Start: 35549, Stop: 33723, Start Num: 254
Candidate Starts for Noxious_46:
(Start: 254 @35549 has 935 MA's), (391, 35336), (400, 35321), (436, 35243), (443, 35222), (449, 35216), (455, 35207), (504, 35090), (514, 35063), (591, 34970), (596, 34955), (639, 34871), (641, 34868), (680, 34802), (711, 34742), (734, 34697), (755, 34658), (819, 34478), (834, 34430), (847,

34391), (862, 34325), (875, 34286), (899, 34265), (904, 34244), (910, 34226), (935, 34160), (1000, 34019), (1003, 34010), (1004, 34007), (1012, 33971), (1029, 33947), (1034, 33938), (1038, 33926), (1060, 33851), (1071, 33830),

Gene: Nozo_58 Start: 54443, Stop: 52626, Start Num: 256
Candidate Starts for Nozo_58:
(137, 54626), (Start: 256 @54443 has 51 MA's), (280, 54413), (391, 54233), (437, 54128), (463, 54080), (467, 54068), (481, 54038), (489, 54032), (511, 53969), (513, 53963), (567, 53912), (590, 53876), (609, 53828), (671, 53723), (718, 53627), (747, 53576), (796, 53432), (806, 53393), (814, 53363), (820, 53336), (824, 53324), (854, 53228), (856, 53222), (859, 53213), (861, 53201), (893, 53129), (904, 53099), (910, 53081), (915, 53072), (939, 53003), (944, 52991), (950, 52970), (985, 52901), (996, 52886), (1004, 52862), (1007, 52841), (1018, 52823), (1021, 52817), (1037, 52784), (1039, 52778), (1042, 52760), (1044, 52748), (1050, 52736), (1054, 52724), (1070, 52682), (1084, 52652),

Gene: Nucci_37 Start: 28513, Stop: 26612, Start Num: 337
Candidate Starts for Nucci_37:
(Start: 337 @28513 has 44 MA's), (398, 28390), (408, 28375), (418, 28360), (430, 28327), (434, 28318), (438, 28303), (459, 28267), (465, 28252), (476, 28225), (478, 28219), (496, 28168), (511, 28129), (531, 28069), (582, 27943), (588, 27934), (591, 27922), (601, 27892), (634, 27871), (654, 27835), (731, 27688), (749, 27643), (791, 27532), (845, 27337), (855, 27295), (862, 27265), (876, 27223), (895, 27193), (902, 27172), (912, 27136), (1004, 26878), (1007, 26854), (1022, 26821), (1025, 26815), (1058, 26710),

Gene: Numberten_60 Start: 54256, Stop: 52397, Start Num: 215
Candidate Starts for Numberten_60:
(Start: 198 @54280 has 1 MA's), (Start: 215 @54256 has 328 MA's), (Start: 245 @54232 has 14 MA's), (Start: 258 @54226 has 2 MA's), (Start: 288 @54184 has 1 MA's), (300, 54163), (360, 54049), (363, 54043), (382, 54013), (418, 53953), (425, 53932), (442, 53878), (454, 53866), (464, 53848), (469, 53836), (511, 53731), (567, 53674), (590, 53638), (594, 53626), (603, 53602), (609, 53590), (620, 53572), (630, 53554), (641, 53536), (666, 53497), (670, 53488), (671, 53485), (673, 53482), (813, 53125), (820, 53092), (827, 53071), (856, 52978), (859, 52969), (881, 52906), (904, 52870), (905, 52867), (910, 52852), (939, 52774), (944, 52762), (950, 52741), (970, 52702), (1007, 52612), (1018, 52594), (1021, 52588), (1029, 52573), (1039, 52549), (1041, 52534), (1042, 52531), (1044, 52519), (1054, 52495), (1073, 52447), (1084, 52423),

Gene: Nyala_59 Start: 54031, Stop: 52172, Start Num: 215
Candidate Starts for Nyala_59:
(Start: 198 @54055 has 1 MA's), (Start: 215 @54031 has 328 MA's), (Start: 245 @54007 has 14 MA's), (Start: 258 @54001 has 2 MA's), (Start: 288 @53959 has 1 MA's), (300, 53938), (360, 53824), (363, 53818), (382, 53788), (418, 53728), (425, 53707), (442, 53653), (454, 53641), (464, 53623), (469, 53611), (511, 53506), (567, 53449), (590, 53413), (594, 53401), (605, 53374), (620, 53347), (630, 53329), (641, 53311), (666, 53272), (670, 53263), (671, 53260), (813, 52900), (820, 52867), (827, 52846), (856, 52753), (859, 52744), (881, 52681), (904, 52645), (905, 52642), (910, 52627), (939, 52549), (944, 52537), (950, 52516), (970, 52477), (1007, 52387), (1018, 52369), (1021, 52363), (1029, 52348), (1039, 52324), (1041, 52309), (1042, 52306), (1044, 52294), (1054, 52270), (1073, 52222), (1084, 52198),

Gene: Nyxis_45 Start: 31460, Stop: 29634, Start Num: 254
Candidate Starts for Nyxis_45:
(Start: 254 @31460 has 935 MA's), (271, 31439), (289, 31409), (305, 31379), (413, 31217), (421, 31199), (449, 31127), (455, 31118), (505, 30998), (514, 30974), (591, 30881), (611, 30833), (626, 30812), (647, 30773), (719, 30641), (732, 30620), (755, 30575), (759, 30563), (815, 30410), (819,

30389), (855, 30266), (862, 30236), (875, 30197), (904, 30131), (905, 30128), (910, 30113), (920, 30089), (929, 30065), (1007, 29858), (1060, 29723), (1065, 29711), (1071, 29702),

Gene: OKCentral2016_43 Start: 30827, Stop: 28992, Start Num: 254
Candidate Starts for OKCentral2016_43:
(Start: 254 @30827 has 935 MA's), (289, 30776), (338, 30710), (386, 30623), (400, 30599), (422, 30563), (426, 30551), (449, 30494), (455, 30485), (491, 30401), (505, 30365), (510, 30353), (513, 30344), (514, 30341), (591, 30248), (611, 30200), (647, 30140), (666, 30113), (678, 30089), (718, 30011), (719, 30008), (732, 29987), (734, 29981), (768, 29915), (787, 29873), (819, 29750), (834, 29702), (855, 29627), (862, 29597), (875, 29558), (905, 29486), (920, 29447), (929, 29423), (931, 29417), (935, 29405), (977, 29297), (1007, 29216), (1021, 29192), (1043, 29129), (1060, 29081), (1065, 29069), (1071, 29060),

Gene: OKaNui_45 Start: 31620, Stop: 29794, Start Num: 254
Candidate Starts for OKaNui_45:
(Start: 254 @31620 has 935 MA's), (271, 31599), (289, 31569), (305, 31539), (413, 31377), (421, 31359), (449, 31287), (455, 31278), (514, 31134), (591, 31041), (611, 30993), (626, 30972), (647, 30933), (719, 30801), (732, 30780), (755, 30735), (759, 30723), (815, 30570), (819, 30549), (855, 30426), (862, 30396), (875, 30357), (904, 30291), (905, 30288), (910, 30273), (920, 30249), (929, 30225), (1007, 30018), (1060, 29883), (1065, 29871), (1071, 29862),

Gene: OSmaximus_62 Start: 54777, Stop: 52918, Start Num: 215
Candidate Starts for OSmaximus_62:
(Start: 198 @54801 has 1 MA's), (Start: 215 @54777 has 328 MA's), (Start: 245 @54753 has 14 MA's), (Start: 258 @54747 has 2 MA's), (Start: 288 @54705 has 1 MA's), (300, 54684), (360, 54570), (363, 54564), (382, 54534), (418, 54474), (425, 54453), (442, 54399), (454, 54387), (464, 54369), (469, 54357), (511, 54252), (567, 54195), (590, 54159), (594, 54147), (603, 54123), (609, 54111), (620, 54093), (630, 54075), (641, 54057), (666, 54018), (670, 54009), (671, 54006), (673, 54003), (813, 53646), (820, 53613), (827, 53592), (856, 53499), (859, 53490), (881, 53427), (904, 53391), (905, 53388), (910, 53373), (939, 53295), (944, 53283), (950, 53262), (970, 53223), (1007, 53133), (1018, 53115), (1021, 53109), (1029, 53094), (1039, 53070), (1041, 53055), (1042, 53052), (1044, 53040), (1054, 53016), (1073, 52968), (1084, 52944),

Gene: Oats_38 Start: 28632, Stop: 26767, Start Num: 339
Candidate Starts for Oats_38:
(Start: 275 @28719 has 3 MA's), (Start: 339 @28632 has 121 MA's), (Start: 342 @28623 has 5 MA's), (392, 28518), (398, 28509), (418, 28479), (419, 28476), (472, 28356), (476, 28344), (478, 28338), (518, 28233), (525, 28206), (582, 28065), (587, 28059), (588, 28056), (591, 28044), (600, 28017), (601, 28014), (612, 27999), (634, 27993), (637, 27987), (657, 27954), (749, 27765), (855, 27450), (858, 27441), (859, 27438), (862, 27420), (876, 27378), (880, 27372), (884, 27363), (895, 27348), (912, 27291), (970, 27132), (982, 27102), (985, 27093), (1004, 27033), (1007, 27009), (1025, 26970), (1039, 26937), (1040, 26925), (1058, 26865),

Gene: Obama12_46 Start: 31994, Stop: 30168, Start Num: 254
Candidate Starts for Obama12_46:
(Start: 254 @31994 has 935 MA's), (Start: 288 @31946 has 1 MA's), (386, 31790), (426, 31718), (449, 31661), (455, 31652), (505, 31532), (514, 31508), (591, 31415), (611, 31367), (626, 31346), (647, 31307), (675, 31262), (719, 31175), (725, 31166), (732, 31154), (755, 31109), (759, 31097), (815, 30944), (819, 30923), (855, 30800), (862, 30770), (875, 30731), (904, 30665), (905, 30662), (920, 30623), (929, 30599), (1007, 30392), (1060, 30257), (1065, 30245), (1071, 30236),

Gene: ObiToo_46 Start: 30468, Stop: 32333, Start Num: 254
Candidate Starts for ObiToo_46:

(133, 30285), (Start: 188 @30390 has 1 MA's), (Start: 254 @30468 has 935 MA's), (Start: 288 @30516 has 1 MA's), (391, 30681), (411, 30699), (436, 30765), (443, 30786), (593, 31062), (596, 31071), (647, 31170), (657, 31185), (708, 31275), (732, 31323), (759, 31380), (788, 31461), (819, 31581), (847, 31668), (860, 31725), (862, 31734), (971, 32007), (1060, 32229),

Gene: Obutu_59 Start: 54042, Stop: 52225, Start Num: 256
Candidate Starts for Obutu_59:
(137, 54225), (Start: 256 @54042 has 51 MA's), (280, 54012), (391, 53832), (463, 53679), (467, 53667), (481, 53637), (489, 53631), (511, 53568), (513, 53562), (567, 53511), (590, 53475), (609, 53427), (671, 53322), (718, 53226), (747, 53175), (796, 53031), (806, 52992), (814, 52962), (820, 52935), (824, 52923), (854, 52827), (856, 52821), (859, 52812), (861, 52800), (893, 52728), (904, 52698), (910, 52680), (915, 52671), (939, 52602), (944, 52590), (950, 52569), (985, 52500), (996, 52485), (1004, 52461), (1021, 52416), (1039, 52377), (1042, 52359), (1044, 52347), (1050, 52335), (1054, 52323), (1070, 52281), (1084, 52251),

Gene: Odin_44 Start: 30188, Stop: 28356, Start Num: 254
Candidate Starts for Odin_44:
(Start: 254 @30188 has 935 MA's), (386, 29984), (396, 29966), (427, 29906), (434, 29885), (436, 29879), (439, 29867), (449, 29852), (464, 29828), (514, 29699), (571, 29639), (587, 29621), (591, 29606), (618, 29549), (666, 29468), (690, 29420), (732, 29339), (819, 29114), (847, 29027), (855, 28991), (862, 28961), (875, 28922), (899, 28901), (904, 28880), (910, 28862), (946, 28763), (956, 28736), (975, 28700), (985, 28682), (1003, 28646), (1007, 28622), (1060, 28487), (1065, 28475), (1071, 28466), (1073, 28463), (1091, 28418), (1105, 28388),

Gene: Ohfah_46 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Ohfah_46:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Ohno789_45 Start: 35178, Stop: 33352, Start Num: 254
Candidate Starts for Ohno789_45:
(Start: 254 @35178 has 935 MA's), (391, 34965), (426, 34902), (436, 34872), (443, 34851), (449, 34845), (455, 34836), (504, 34719), (514, 34692), (591, 34599), (596, 34584), (639, 34500), (641, 34497), (680, 34431), (711, 34371), (734, 34326), (755, 34287), (819, 34107), (834, 34059), (847, 34020), (862, 33954), (875, 33915), (899, 33894), (904, 33873), (910, 33855), (935, 33789), (1003, 33639), (1004, 33636), (1012, 33600), (1029, 33576), (1034, 33567), (1038, 33555), (1060, 33480), (1071, 33459),

Gene: Olak_59 Start: 54034, Stop: 52175, Start Num: 215
Candidate Starts for Olak_59:
(Start: 198 @54058 has 1 MA's), (Start: 215 @54034 has 328 MA's), (Start: 245 @54010 has 14 MA's), (Start: 258 @54004 has 2 MA's), (Start: 288 @53962 has 1 MA's), (300, 53941), (360, 53827), (363, 53821), (382, 53791), (418, 53731), (425, 53710), (442, 53656), (454, 53644), (464, 53626), (469, 53614), (511, 53509), (567, 53452), (590, 53416), (594, 53404), (605, 53377), (620, 53350), (630, 53332), (641, 53314), (666, 53275), (670, 53266), (671, 53263), (783, 53005), (813, 52903), (820, 52870), (827, 52849), (856, 52756), (859, 52747), (881, 52684), (904, 52648), (905, 52645), (910, 52630), (939, 52552), (944, 52540), (950, 52519), (970, 52480), (1007, 52390), (1018, 52372), (1021, 52366), (1029, 52351), (1039, 52327), (1041, 52312), (1042, 52309), (1044, 52297), (1054, 52273), (1073, 52225), (1084, 52201),

Gene: OlanP_47 Start: 31923, Stop: 30109, Start Num: 254
Candidate Starts for OlanP_47:
(Start: 254 @31923 has 935 MA's), (284, 31884), (289, 31872), (386, 31719), (395, 31704), (426, 31647), (449, 31590), (455, 31581), (474, 31539), (494, 31488), (514, 31437), (591, 31344), (609, 31296), (626, 31272), (647, 31233), (666, 31206), (680, 31176), (727, 31083), (734, 31071), (758, 31023), (759, 31020), (767, 31008), (819, 30852), (836, 30801), (846, 30768), (847, 30765), (862, 30699), (875, 30660), (905, 30588), (920, 30549), (929, 30525), (935, 30507), (946, 30474), (985, 30393), (1007, 30333), (1018, 30315), (1041, 30255), (1043, 30246), (1060, 30198), (1065, 30186), (1071, 30177),

Gene: OldNelly_39 Start: 28936, Stop: 27071, Start Num: 339
Candidate Starts for OldNelly_39:
(Start: 275 @29023 has 3 MA's), (Start: 339 @28936 has 121 MA's), (Start: 342 @28927 has 5 MA's), (392, 28822), (398, 28813), (418, 28783), (419, 28780), (472, 28660), (476, 28648), (478, 28642), (518, 28537), (525, 28510), (582, 28369), (587, 28363), (588, 28360), (591, 28348), (600, 28321), (601, 28318), (612, 28303), (634, 28297), (637, 28291), (657, 28258), (725, 28129), (749, 28069), (855, 27754), (858, 27745), (859, 27742), (862, 27724), (876, 27682), (880, 27676), (884, 27667), (895, 27652), (912, 27595), (970, 27436), (982, 27406), (985, 27397), (1004, 27337), (1007, 27313), (1025, 27274), (1039, 27241), (1040, 27229), (1058, 27169),

Gene: Oline_61 Start: 54135, Stop: 52276, Start Num: 215
Candidate Starts for Oline_61:
(Start: 198 @54159 has 1 MA's), (Start: 215 @54135 has 328 MA's), (Start: 245 @54111 has 14 MA's), (Start: 258 @54105 has 2 MA's), (Start: 288 @54063 has 1 MA's), (300, 54042), (360, 53928), (363, 53922), (382, 53892), (418, 53832), (425, 53811), (442, 53757), (454, 53745), (464, 53727), (469, 53715), (511, 53610), (567, 53553), (590, 53517), (594, 53505), (603, 53481), (609, 53469), (620, 53451), (630, 53433), (641, 53415), (666, 53376), (670, 53367), (671, 53364), (673, 53361), (813, 53004), (820, 52971), (827, 52950), (856, 52857), (859, 52848), (881, 52785), (904, 52749), (905, 52746), (910, 52731), (939, 52653), (944, 52641), (950, 52620), (970, 52581), (1007, 52491), (1018, 52473), (1021, 52467), (1029, 52452), (1039, 52428), (1041, 52413), (1042, 52410), (1044, 52398), (1054, 52374), (1073, 52326), (1084, 52302), (1089, 52287),

Gene: Olive_60 Start: 54247, Stop: 52388, Start Num: 215
Candidate Starts for Olive_60:
(Start: 198 @54271 has 1 MA's), (Start: 215 @54247 has 328 MA's), (Start: 245 @54223 has 14 MA's), (Start: 258 @54217 has 2 MA's), (Start: 288 @54175 has 1 MA's), (300, 54154), (360, 54040), (363, 54034), (382, 54004), (418, 53944), (425, 53923), (442, 53869), (454, 53857), (464, 53839), (469, 53827), (511, 53722), (567, 53665), (590, 53629), (594, 53617), (603, 53593), (609, 53581), (620, 53563), (630, 53545), (641, 53527), (666, 53488), (670, 53479), (671, 53476), (673, 53473), (813, 53116), (820, 53083), (827, 53062), (856, 52969), (859, 52960), (881, 52897), (904, 52861), (905, 52858), (910, 52843), (939, 52765), (944, 52753), (950, 52732), (970, 52693), (1007, 52603), (1018, 52585), (1021, 52579), (1029, 52564), (1039, 52540), (1041, 52525), (1042, 52522), (1044, 52510), (1054, 52486), (1073, 52438), (1084, 52414),

Gene: OliverWalter_59 Start: 54066, Stop: 52207, Start Num: 215
Candidate Starts for OliverWalter_59:
(Start: 198 @54090 has 1 MA's), (Start: 215 @54066 has 328 MA's), (Start: 245 @54042 has 14 MA's), (Start: 258 @54036 has 2 MA's), (Start: 288 @53994 has 1 MA's), (300, 53973), (360, 53859), (363, 53853), (382, 53823), (418, 53763), (425, 53742), (442, 53688), (454, 53676), (464, 53658), (469, 53646), (511, 53541), (567, 53484), (590, 53448), (594, 53436), (605, 53409), (609, 53400), (630, 53364), (666, 53307), (670, 53298), (671, 53295), (673, 53292), (813, 52935), (820, 52902), (827, 52881), (856, 52788), (859, 52779), (881, 52716), (904, 52680), (905, 52677), (910, 52662), (939, 52584), (944, 52572), (950, 52551), (970, 52512), (1007, 52422), (1018, 52404), (1021, 52398),

(1029, 52383), (1039, 52359), (1041, 52344), (1042, 52341), (1044, 52329), (1054, 52305), (1073, 52257), (1084, 52233),

Gene: Olivio_58 Start: 53901, Stop: 52084, Start Num: 256
Candidate Starts for Olivio_58:
(137, 54084), (Start: 256 @53901 has 51 MA's), (280, 53871), (391, 53691), (463, 53538), (467, 53526), (481, 53496), (489, 53490), (511, 53427), (513, 53421), (567, 53370), (588, 53343), (590, 53334), (609, 53286), (671, 53181), (718, 53085), (747, 53034), (796, 52890), (806, 52851), (814, 52821), (820, 52794), (824, 52782), (854, 52686), (856, 52680), (859, 52671), (861, 52659), (893, 52587), (904, 52557), (910, 52539), (915, 52530), (939, 52461), (944, 52449), (950, 52428), (985, 52359), (996, 52344), (1004, 52320), (1007, 52299), (1018, 52281), (1021, 52275), (1039, 52236), (1042, 52218), (1044, 52206), (1054, 52182), (1070, 52140), (1084, 52110),

Gene: Ollie_48 Start: 31724, Stop: 29910, Start Num: 254
Candidate Starts for Ollie_48:
(Start: 254 @31724 has 935 MA's), (284, 31685), (289, 31673), (386, 31520), (395, 31505), (426, 31448), (449, 31391), (455, 31382), (474, 31340), (494, 31289), (514, 31238), (591, 31145), (609, 31097), (618, 31088), (626, 31073), (647, 31034), (666, 31007), (680, 30977), (727, 30884), (734, 30872), (758, 30824), (767, 30809), (819, 30653), (834, 30605), (847, 30566), (862, 30500), (875, 30461), (905, 30389), (920, 30350), (929, 30326), (935, 30308), (946, 30275), (956, 30248), (985, 30194), (1007, 30134), (1041, 30056), (1060, 29999), (1065, 29987), (1071, 29978),

Gene: Olliecat_39 Start: 28106, Stop: 29989, Start Num: 243
Candidate Starts for Olliecat_39:
(Start: 243 @28106 has 3 MA's), (271, 28127), (Start: 299 @28175 has 1 MA's), (315, 28196), (386, 28313), (426, 28376), (436, 28406), (443, 28427), (455, 28442), (463, 28454), (501, 28535), (506, 28550), (602, 28706), (620, 28736), (647, 28787), (659, 28808), (668, 28817), (717, 28916), (819, 29204), (822, 29210), (843, 29270), (847, 29291), (853, 29321), (856, 29330), (862, 29357), (903, 29450), (910, 29474), (935, 29540), (936, 29543), (967, 29621), (970, 29627), (996, 29672), (1021, 29741), (1037, 29774), (1039, 29780), (1040, 29792), (1041, 29795), (1060, 29852), (1067, 29867), (1071, 29873), (1106, 29954),

Gene: Omniscient_61 Start: 54894, Stop: 53035, Start Num: 215
Candidate Starts for Omniscient_61:
(Start: 198 @54918 has 1 MA's), (Start: 215 @54894 has 328 MA's), (Start: 245 @54870 has 14 MA's), (Start: 258 @54864 has 2 MA's), (Start: 288 @54822 has 1 MA's), (300, 54801), (360, 54687), (363, 54681), (382, 54651), (418, 54591), (425, 54570), (442, 54516), (454, 54504), (464, 54486), (469, 54474), (511, 54369), (567, 54312), (590, 54276), (594, 54264), (603, 54240), (609, 54228), (620, 54210), (630, 54192), (641, 54174), (666, 54135), (670, 54126), (671, 54123), (673, 54120), (813, 53763), (820, 53730), (827, 53709), (856, 53616), (859, 53607), (881, 53544), (904, 53508), (905, 53505), (910, 53490), (939, 53412), (944, 53400), (950, 53379), (970, 53340), (1007, 53250), (1018, 53232), (1021, 53226), (1029, 53211), (1039, 53187), (1041, 53172), (1042, 53169), (1044, 53157), (1054, 53133), (1073, 53085), (1084, 53061),

Gene: OneBrain_63 Start: 54297, Stop: 52438, Start Num: 215
Candidate Starts for OneBrain_63:
(Start: 198 @54321 has 1 MA's), (Start: 215 @54297 has 328 MA's), (Start: 245 @54273 has 14 MA's), (Start: 258 @54267 has 2 MA's), (Start: 288 @54225 has 1 MA's), (300, 54204), (360, 54090), (363, 54084), (382, 54054), (418, 53994), (425, 53973), (442, 53919), (454, 53907), (464, 53889), (469, 53877), (511, 53772), (567, 53715), (590, 53679), (594, 53667), (603, 53643), (609, 53631), (620, 53613), (630, 53595), (641, 53577), (666, 53538), (670, 53529), (671, 53526), (673, 53523), (813, 53166), (820, 53133), (827, 53112), (856, 53019), (859, 53010), (881, 52947), (904, 52911), (905, 52908), (910, 52893), (939, 52815), (944, 52803), (950, 52782), (970, 52743), (1007, 52653),

(1018, 52635), (1021, 52629), (1029, 52614), (1039, 52590), (1041, 52575), (1042, 52572), (1044, 52560), (1054, 52536), (1073, 52488), (1084, 52464),

Gene: Onglai_43 Start: 29824, Stop: 28031, Start Num: 254
Candidate Starts for Onglai_43:
(Start: 254 @29824 has 935 MA's), (261, 29815), (289, 29773), (369, 29653), (371, 29650), (396, 29602), (427, 29542), (437, 29512), (441, 29500), (449, 29488), (514, 29335), (591, 29242), (666, 29104), (680, 29074), (759, 28915), (767, 28903), (785, 28876), (815, 28768), (819, 28747), (859, 28612), (862, 28594), (904, 28513), (920, 28471), (946, 28396), (983, 28321), (1003, 28279), (1041, 28177), (1060, 28120), (1065, 28108), (1071, 28099),

Gene: Oofda_47 Start: 29834, Stop: 28044, Start Num: 254
Candidate Starts for Oofda_47:
(Start: 254 @29834 has 935 MA's), (426, 29555), (427, 29552), (436, 29525), (449, 29498), (474, 29447), (514, 29345), (591, 29252), (605, 29213), (618, 29195), (719, 29006), (755, 28940), (788, 28880), (798, 28841), (813, 28790), (815, 28781), (819, 28760), (836, 28709), (846, 28676), (853, 28643), (855, 28637), (862, 28607), (899, 28547), (904, 28526), (920, 28484), (930, 28457), (971, 28355), (1003, 28292), (1004, 28289), (1060, 28133), (1065, 28121), (1073, 28109),

Gene: Oogway_42 Start: 33561, Stop: 31732, Start Num: 254
Candidate Starts for Oogway_42:
(Start: 254 @33561 has 935 MA's), (391, 33348), (400, 33333), (436, 33255), (443, 33234), (449, 33228), (455, 33219), (504, 33102), (514, 33075), (591, 32982), (596, 32967), (609, 32934), (639, 32883), (641, 32880), (680, 32814), (701, 32784), (711, 32754), (734, 32709), (755, 32670), (819, 32490), (834, 32442), (850, 32394), (859, 32355), (862, 32337), (875, 32298), (899, 32277), (904, 32256), (909, 32241), (953, 32118), (1035, 31947), (1040, 31923), (1057, 31875), (1060, 31863), (1071, 31842), (1075, 31836), (1094, 31788), (1101, 31773),

Gene: Oosterbaan_60 Start: 54313, Stop: 52454, Start Num: 215
Candidate Starts for Oosterbaan_60:
(Start: 198 @54337 has 1 MA's), (Start: 215 @54313 has 328 MA's), (Start: 245 @54289 has 14 MA's), (Start: 258 @54283 has 2 MA's), (Start: 288 @54241 has 1 MA's), (300, 54220), (360, 54106), (363, 54100), (382, 54070), (418, 54010), (425, 53989), (442, 53935), (454, 53923), (464, 53905), (469, 53893), (511, 53788), (567, 53731), (590, 53695), (594, 53683), (605, 53656), (620, 53629), (630, 53611), (641, 53593), (666, 53554), (670, 53545), (671, 53542), (783, 53284), (813, 53182), (820, 53149), (827, 53128), (856, 53035), (859, 53026), (881, 52963), (904, 52927), (905, 52924), (910, 52909), (939, 52831), (944, 52819), (950, 52798), (970, 52759), (1007, 52669), (1018, 52651), (1021, 52645), (1029, 52630), (1039, 52606), (1041, 52591), (1042, 52588), (1044, 52576), (1054, 52552), (1073, 52504), (1084, 52480),

Gene: Opia_57 Start: 52500, Stop: 50671, Start Num: 215
Candidate Starts for Opia_57:
(Start: 215 @52500 has 328 MA's), (Start: 258 @52473 has 2 MA's), (Start: 282 @52443 has 7 MA's), (Start: 288 @52431 has 1 MA's), (Start: 304 @52404 has 2 MA's), (305, 52401), (314, 52392), (338, 52374), (388, 52278), (418, 52227), (426, 52203), (433, 52179), (496, 52041), (506, 52017), (511, 52005), (567, 51948), (590, 51912), (594, 51900), (603, 51876), (652, 51792), (670, 51762), (671, 51759), (684, 51729), (753, 51585), (778, 51519), (792, 51480), (796, 51468), (800, 51447), (806, 51429), (820, 51372), (844, 51315), (850, 51288), (856, 51258), (859, 51249), (879, 51183), (902, 51156), (904, 51147), (910, 51129), (920, 51105), (939, 51051), (944, 51039), (950, 51018), (985, 50949), (1007, 50889), (1018, 50871), (1035, 50838), (1039, 50826), (1041, 50811), (1042, 50808), (1044, 50796), (1054, 50772), (1055, 50769), (1073, 50721), (1075, 50718), (1084, 50697), (1091, 50676),

Gene: Orange_44 Start: 30325, Stop: 28538, Start Num: 254
Candidate Starts for Orange_44:
(Start: 254 @30325 has 935 MA's), (386, 30121), (426, 30049), (436, 30019), (449, 29992), (593, 29740), (618, 29689), (666, 29608), (688, 29563), (732, 29479), (759, 29422), (786, 29380), (798, 29335), (819, 29254), (836, 29203), (847, 29167), (862, 29101), (899, 29041), (902, 29029), (938, 28927), (946, 28903), (951, 28885), (985, 28822), (1000, 28795), (1003, 28786), (1007, 28762), (1060, 28627), (1065, 28615), (1071, 28606),

Gene: OrangeOswald_58 Start: 53684, Stop: 51867, Start Num: 256
Candidate Starts for OrangeOswald_58:
(137, 53867), (Start: 256 @53684 has 51 MA's), (280, 53654), (391, 53474), (437, 53369), (463, 53321), (467, 53309), (481, 53279), (489, 53273), (511, 53210), (513, 53204), (567, 53153), (590, 53117), (609, 53069), (671, 52964), (718, 52868), (747, 52817), (796, 52673), (806, 52634), (814, 52604), (820, 52577), (824, 52565), (854, 52469), (856, 52463), (859, 52454), (861, 52442), (893, 52370), (904, 52340), (910, 52322), (915, 52313), (939, 52244), (944, 52232), (950, 52211), (985, 52142), (996, 52127), (1004, 52103), (1007, 52082), (1018, 52064), (1021, 52058), (1037, 52025), (1039, 52019), (1042, 52001), (1044, 51989), (1050, 51977), (1054, 51965), (1070, 51923), (1084, 51893),

Gene: Orfeu_59 Start: 54570, Stop: 52711, Start Num: 215
Candidate Starts for Orfeu_59:
(Start: 198 @54594 has 1 MA's), (Start: 215 @54570 has 328 MA's), (Start: 245 @54546 has 14 MA's), (Start: 258 @54540 has 2 MA's), (Start: 288 @54498 has 1 MA's), (300, 54477), (360, 54363), (363, 54357), (382, 54327), (418, 54267), (425, 54246), (442, 54192), (454, 54180), (464, 54162), (469, 54150), (511, 54045), (567, 53988), (590, 53952), (594, 53940), (605, 53913), (620, 53886), (630, 53868), (641, 53850), (666, 53811), (670, 53802), (671, 53799), (673, 53796), (813, 53439), (820, 53406), (827, 53385), (856, 53292), (859, 53283), (881, 53220), (904, 53184), (905, 53181), (910, 53166), (939, 53088), (944, 53076), (950, 53055), (970, 53016), (1007, 52926), (1018, 52908), (1021, 52902), (1029, 52887), (1039, 52863), (1041, 52848), (1042, 52845), (1044, 52833), (1054, 52809), (1073, 52761), (1084, 52737),

Gene: Origami_47 Start: 30472, Stop: 32334, Start Num: 254
Candidate Starts for Origami_47:
(Start: 254 @30472 has 935 MA's), (Start: 288 @30520 has 1 MA's), (391, 30685), (436, 30769), (470, 30835), (599, 31081), (647, 31171), (727, 31318), (732, 31324), (769, 31408), (819, 31582), (846, 31666), (853, 31699), (903, 31828), (905, 31837), (943, 31939), (1007, 32095), (1021, 32119), (1035, 32146), (1039, 32158), (1060, 32230),

Gene: Orion_62 Start: 53975, Stop: 52116, Start Num: 215
Candidate Starts for Orion_62:
(Start: 198 @53999 has 1 MA's), (Start: 215 @53975 has 328 MA's), (Start: 245 @53951 has 14 MA's), (Start: 258 @53945 has 2 MA's), (Start: 288 @53903 has 1 MA's), (300, 53882), (360, 53768), (363, 53762), (382, 53732), (418, 53672), (425, 53651), (442, 53597), (454, 53585), (464, 53567), (469, 53555), (511, 53450), (567, 53393), (590, 53357), (594, 53345), (605, 53318), (620, 53291), (630, 53273), (641, 53255), (666, 53216), (670, 53207), (671, 53204), (783, 52946), (813, 52844), (820, 52811), (827, 52790), (856, 52697), (859, 52688), (881, 52625), (904, 52589), (905, 52586), (910, 52571), (939, 52493), (944, 52481), (950, 52460), (970, 52421), (1007, 52331), (1018, 52313), (1021, 52307), (1029, 52292), (1039, 52268), (1041, 52253), (1042, 52250), (1044, 52238), (1054, 52214), (1073, 52166), (1084, 52142),

Gene: Orla_51 Start: 35183, Stop: 32787, Start Num: 57
Candidate Starts for Orla_51:

(28, 35312), (30, 35303), (Start: 57 @35183 has 26 MA's), (112, 35051), (115, 35039), (129, 34994), (165, 34931), (176, 34910), (Start: 219 @34877 has 1 MA's), (260, 34820), (294, 34772), (303, 34757), (333, 34709), (367, 34634), (371, 34628), (373, 34622), (376, 34616), (417, 34547), (426, 34523), (434, 34499), (469, 34424), (476, 34403), (493, 34355), (497, 34343), (515, 34298), (567, 34142), (569, 34136), (668, 34007), (716, 33959), (722, 33947), (754, 33875), (774, 33833), (807, 33722), (816, 33680), (823, 33656), (825, 33647), (841, 33605), (862, 33512), (874, 33476), (876, 33470), (880, 33464), (883, 33458), (905, 33401), (912, 33377), (915, 33359), (947, 33266), (979, 33197), (991, 33158), (1004, 33119), (1006, 33098), (1020, 33065), (1032, 33047), (1058, 32951), (1064, 32927), (1079, 32888), (1108, 32819),

Gene: Orwigg_60 Start: 53955, Stop: 52096, Start Num: 215
Candidate Starts for Orwigg_60:
(Start: 198 @53979 has 1 MA's), (Start: 215 @53955 has 328 MA's), (Start: 245 @53931 has 14 MA's), (Start: 258 @53925 has 2 MA's), (Start: 288 @53883 has 1 MA's), (300, 53862), (360, 53748), (363, 53742), (382, 53712), (418, 53652), (425, 53631), (442, 53577), (454, 53565), (464, 53547), (469, 53535), (511, 53430), (567, 53373), (590, 53337), (594, 53325), (603, 53301), (609, 53289), (620, 53271), (630, 53253), (641, 53235), (666, 53196), (670, 53187), (671, 53184), (673, 53181), (783, 52926), (813, 52824), (820, 52791), (827, 52770), (856, 52677), (859, 52668), (881, 52605), (904, 52569), (905, 52566), (910, 52551), (939, 52473), (944, 52461), (950, 52440), (970, 52401), (1007, 52311), (1018, 52293), (1021, 52287), (1029, 52272), (1039, 52248), (1041, 52233), (1042, 52230), (1044, 52218), (1054, 52194), (1073, 52146), (1084, 52122),

Gene: Oxtober96_39 Start: 28935, Stop: 27070, Start Num: 339
Candidate Starts for Oxtober96_39:
(Start: 275 @29022 has 3 MA's), (Start: 277 @29019 has 1 MA's), (324, 28950), (Start: 339 @28935 has 121 MA's), (Start: 342 @28926 has 5 MA's), (392, 28821), (398, 28812), (418, 28782), (419, 28779), (472, 28659), (476, 28647), (478, 28641), (518, 28536), (525, 28509), (582, 28368), (588, 28359), (591, 28347), (600, 28320), (601, 28317), (612, 28302), (634, 28296), (637, 28290), (657, 28257), (749, 28068), (855, 27753), (858, 27744), (859, 27741), (862, 27723), (876, 27681), (880, 27675), (895, 27651), (912, 27594), (970, 27435), (982, 27405), (985, 27396), (1004, 27336), (1007, 27312), (1025, 27273), (1039, 27240), (1040, 27228), (1058, 27168),

Gene: P28Green_49 Start: 31855, Stop: 30041, Start Num: 254
Candidate Starts for P28Green_49:
(Start: 254 @31855 has 935 MA's), (284, 31816), (289, 31804), (386, 31651), (395, 31636), (426, 31579), (449, 31522), (455, 31513), (474, 31471), (494, 31420), (514, 31369), (591, 31276), (609, 31228), (618, 31219), (626, 31204), (647, 31165), (666, 31138), (680, 31108), (727, 31015), (758, 30955), (767, 30940), (819, 30784), (847, 30697), (862, 30631), (875, 30592), (905, 30520), (920, 30481), (929, 30457), (935, 30439), (946, 30406), (956, 30379), (985, 30325), (1007, 30265), (1041, 30187), (1060, 30130), (1065, 30118), (1071, 30109),

Gene: PG1_61 Start: 54546, Stop: 52687, Start Num: 215
Candidate Starts for PG1_61:
(Start: 198 @54570 has 1 MA's), (Start: 215 @54546 has 328 MA's), (Start: 245 @54522 has 14 MA's), (Start: 258 @54516 has 2 MA's), (Start: 288 @54474 has 1 MA's), (300, 54453), (360, 54339), (363, 54333), (382, 54303), (418, 54243), (425, 54222), (442, 54168), (454, 54156), (464, 54138), (469, 54126), (511, 54021), (567, 53964), (590, 53928), (594, 53916), (605, 53889), (620, 53862), (630, 53844), (641, 53826), (666, 53787), (670, 53778), (671, 53775), (783, 53517), (813, 53415), (820, 53382), (827, 53361), (856, 53268), (859, 53259), (881, 53196), (904, 53160), (905, 53157), (910, 53142), (939, 53064), (944, 53052), (950, 53031), (970, 52992), (1007, 52902), (1018, 52884), (1021, 52878), (1029, 52863), (1039, 52839), (1041, 52824), (1042, 52821), (1044, 52809), (1054, 52785), (1073, 52737), (1084, 52713),

Gene: PGHhamlin_50 Start: 31845, Stop: 30031, Start Num: 254
Candidate Starts for PGHhamlin_50:
(Start: 254 @31845 has 935 MA's), (284, 31806), (289, 31794), (386, 31641), (395, 31626), (426, 31569), (449, 31512), (455, 31503), (474, 31461), (494, 31410), (514, 31359), (591, 31266), (609, 31218), (618, 31209), (626, 31194), (647, 31155), (666, 31128), (680, 31098), (727, 31005), (734, 30993), (758, 30945), (767, 30930), (819, 30774), (847, 30687), (862, 30621), (875, 30582), (905, 30510), (920, 30471), (929, 30447), (935, 30429), (946, 30396), (956, 30369), (985, 30315), (1007, 30255), (1041, 30177), (1060, 30120), (1065, 30108), (1071, 30099),

Gene: PP_46 Start: 35109, Stop: 33271, Start Num: 254
Candidate Starts for PP_46:
(Start: 254 @35109 has 935 MA's), (289, 35058), (386, 34905), (391, 34896), (400, 34881), (422, 34845), (449, 34776), (455, 34767), (463, 34755), (514, 34623), (591, 34527), (611, 34479), (618, 34473), (647, 34419), (732, 34266), (755, 34221), (819, 34029), (830, 33999), (859, 33894), (862, 33876), (863, 33873), (875, 33837), (905, 33765), (910, 33750), (934, 33687), (983, 33561), (1007, 33495), (1060, 33360), (1065, 33348), (1071, 33339),

Gene: PSirce_38 Start: 28735, Stop: 26870, Start Num: 337
Candidate Starts for PSirce_38:
(Start: 337 @28735 has 44 MA's), (355, 28690), (381, 28636), (420, 28576), (438, 28525), (476, 28447), (478, 28441), (494, 28396), (495, 28393), (496, 28390), (511, 28351), (531, 28291), (582, 28168), (588, 28159), (591, 28147), (595, 28135), (601, 28117), (634, 28096), (639, 28084), (731, 27913), (796, 27745), (850, 27580), (858, 27544), (862, 27523), (876, 27481), (912, 27394), (925, 27349), (962, 27250), (982, 27205), (985, 27196), (1004, 27136), (1007, 27112), (1022, 27079), (1058, 26968),

Gene: PSullivan_44 Start: 33947, Stop: 32121, Start Num: 254
Candidate Starts for PSullivan_44:
(Start: 254 @33947 has 935 MA's), (391, 33734), (400, 33719), (426, 33671), (436, 33641), (443, 33620), (449, 33614), (455, 33605), (504, 33488), (514, 33461), (591, 33368), (596, 33353), (603, 33332), (639, 33269), (641, 33266), (680, 33200), (701, 33170), (711, 33140), (734, 33095), (755, 33056), (819, 32876), (830, 32846), (834, 32828), (836, 32825), (847, 32789), (862, 32723), (875, 32684), (899, 32663), (904, 32642), (910, 32624), (935, 32558), (1003, 32408), (1004, 32405), (1012, 32369), (1034, 32336), (1038, 32324), (1060, 32249), (1071, 32228),

Gene: PacerPaul_45 Start: 34817, Stop: 32991, Start Num: 254
Candidate Starts for PacerPaul_45:
(Start: 254 @34817 has 935 MA's), (391, 34604), (400, 34589), (436, 34511), (443, 34490), (449, 34484), (455, 34475), (504, 34358), (514, 34331), (591, 34238), (596, 34223), (609, 34190), (639, 34139), (641, 34136), (680, 34070), (701, 34040), (711, 34010), (734, 33965), (755, 33926), (819, 33746), (830, 33716), (834, 33698), (836, 33695), (847, 33659), (862, 33593), (904, 33512), (905, 33509), (935, 33428), (997, 33293), (1003, 33278), (1004, 33275), (1012, 33239), (1029, 33215), (1034, 33206), (1038, 33194), (1043, 33167), (1060, 33119), (1071, 33098),

Gene: Pacifista_59 Start: 54030, Stop: 52171, Start Num: 215
Candidate Starts for Pacifista_59:
(Start: 198 @54054 has 1 MA's), (Start: 215 @54030 has 328 MA's), (Start: 245 @54006 has 14 MA's), (Start: 258 @54000 has 2 MA's), (Start: 288 @53958 has 1 MA's), (300, 53937), (360, 53823), (363, 53817), (382, 53787), (418, 53727), (425, 53706), (442, 53652), (454, 53640), (464, 53622), (469, 53610), (511, 53505), (567, 53448), (590, 53412), (594, 53400), (603, 53376), (609, 53364), (620, 53346), (630, 53328), (641, 53310), (666, 53271), (670, 53262), (671, 53259), (673, 53256), (813, 52899), (820, 52866), (827, 52845), (856, 52752), (859, 52743), (881, 52680), (904, 52644), (905, 52641), (910, 52626), (939, 52548), (944, 52536), (950, 52515), (970, 52476), (1007, 52386),

(1018, 52368), (1021, 52362), (1029, 52347), (1039, 52323), (1041, 52308), (1042, 52305), (1044, 52293), (1054, 52269), (1073, 52221), (1084, 52197),

Gene: PackMan_44 Start: 31483, Stop: 29690, Start Num: 254
Candidate Starts for PackMan_44:
(Start: 254 @31483 has 935 MA's), (261, 31474), (289, 31432), (369, 31312), (371, 31309), (396, 31261), (427, 31201), (437, 31171), (441, 31159), (449, 31147), (514, 30994), (591, 30901), (666, 30763), (680, 30733), (759, 30574), (767, 30562), (785, 30535), (815, 30427), (819, 30406), (859, 30271), (862, 30253), (904, 30172), (920, 30130), (946, 30055), (983, 29980), (1003, 29938), (1041, 29836), (1060, 29779), (1065, 29767), (1071, 29758),

Gene: PainterBoy_45 Start: 30908, Stop: 29076, Start Num: 254
Candidate Starts for PainterBoy_45:
(Start: 254 @30908 has 935 MA's), (386, 30704), (388, 30701), (413, 30665), (426, 30632), (427, 30629), (436, 30602), (443, 30581), (449, 30575), (455, 30566), (474, 30524), (505, 30446), (514, 30422), (591, 30329), (680, 30161), (785, 29963), (819, 29834), (850, 29738), (859, 29699), (862, 29681), (902, 29609), (904, 29600), (953, 29462), (1000, 29375), (1003, 29366), (1041, 29264), (1060, 29207), (1065, 29195), (1111, 29090),

Gene: Pajaza_35 Start: 27722, Stop: 25905, Start Num: 336
Candidate Starts for Pajaza_35:
(Start: 336 @27722 has 4 MA's), (343, 27707), (476, 27431), (478, 27425), (540, 27290), (545, 27275), (587, 27197), (588, 27194), (591, 27182), (601, 27152), (654, 27095), (731, 26948), (798, 26768), (845, 26630), (858, 26579), (859, 26576), (862, 26558), (863, 26555), (876, 26516), (912, 26429), (918, 26402), (970, 26270), (1007, 26147), (1022, 26114), (1025, 26108), (1032, 26099), (1058, 26003), (1059, 25997),

Gene: Palestino_44 Start: 31570, Stop: 29741, Start Num: 254
Candidate Starts for Palestino_44:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (675, 30838), (678, 30832), (719, 30751), (732, 30730), (755, 30685), (815, 30520), (819, 30499), (862, 30346), (874, 30310), (875, 30307), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: PallasAthena_62 Start: 54032, Stop: 52173, Start Num: 215
Candidate Starts for PallasAthena_62:
(Start: 198 @54056 has 1 MA's), (Start: 215 @54032 has 328 MA's), (Start: 245 @54008 has 14 MA's), (Start: 258 @54002 has 2 MA's), (Start: 288 @53960 has 1 MA's), (300, 53939), (360, 53825), (363, 53819), (382, 53789), (418, 53729), (425, 53708), (442, 53654), (454, 53642), (464, 53624), (469, 53612), (511, 53507), (567, 53450), (590, 53414), (594, 53402), (603, 53378), (609, 53366), (620, 53348), (630, 53330), (641, 53312), (666, 53273), (670, 53264), (671, 53261), (673, 53258), (813, 52901), (820, 52868), (827, 52847), (856, 52754), (859, 52745), (881, 52682), (904, 52646), (905, 52643), (910, 52628), (939, 52550), (944, 52538), (950, 52517), (970, 52478), (1007, 52388), (1018, 52370), (1021, 52364), (1029, 52349), (1039, 52325), (1041, 52310), (1042, 52307), (1044, 52295), (1054, 52271), (1073, 52223), (1084, 52199),

Gene: Panamaxus_42 Start: 31597, Stop: 29759, Start Num: 254
Candidate Starts for Panamaxus_42:
(Start: 254 @31597 has 935 MA's), (289, 31546), (386, 31393), (426, 31321), (436, 31291), (449, 31264), (455, 31255), (514, 31111), (591, 31015), (611, 30967), (647, 30907), (702, 30820), (719, 30775), (732, 30754), (768, 30682), (787, 30640), (798, 30598), (819, 30517), (834, 30469), (847, 30430), (855, 30394), (862, 30364), (873, 30334), (905, 30253), (920, 30214), (929, 30190), (935,

30172), (936, 30169), (985, 30043), (1007, 29983), (1043, 29896), (1060, 29848), (1065, 29836), (1071, 29827),

Gene: Panchaali_90 Start: 75288, Stop: 77090, Start Num: 259
Candidate Starts for Panchaali_90:
(Start: 259 @75288 has 2 MA's), (Start: 304 @75357 has 2 MA's), (328, 75390), (349, 75417), (369, 75450), (418, 75525), (437, 75582), (454, 75606), (470, 75639), (501, 75699), (632, 75891), (647, 75918), (651, 75924), (657, 75933), (686, 75987), (755, 76119), (795, 76215), (803, 76248), (815, 76287), (819, 76308), (822, 76314), (846, 76398), (853, 76431), (874, 76515), (875, 76518), (903, 76581), (906, 76593), (920, 76629), (932, 76662), (950, 76716), (958, 76734), (996, 76818), (1003, 76839), (1008, 76866), (1018, 76881), (1037, 76920), (1040, 76938), (1043, 76950), (1045, 76962), (1060, 76998),

Gene: PandaPo_41 Start: 28334, Stop: 30199, Start Num: 254
Candidate Starts for PandaPo_41:
(Start: 254 @28334 has 935 MA's), (Start: 288 @28382 has 1 MA's), (371, 28508), (436, 28631), (479, 28721), (593, 28928), (596, 28937), (647, 29036), (657, 29051), (681, 29096), (732, 29189), (788, 29327), (819, 29447), (830, 29477), (841, 29510), (847, 29534), (862, 29600), (903, 29693), (929, 29765), (971, 29873), (1003, 29936), (1060, 30095), (1064, 30104),

Gene: Papafritta_38 Start: 28640, Stop: 26775, Start Num: 339
Candidate Starts for Papafritta_38:
(Start: 275 @28727 has 3 MA's), (Start: 277 @28724 has 1 MA's), (Start: 339 @28640 has 121 MA's), (Start: 342 @28631 has 5 MA's), (392, 28526), (398, 28517), (418, 28487), (419, 28484), (472, 28364), (476, 28352), (478, 28346), (518, 28241), (525, 28214), (582, 28073), (587, 28067), (588, 28064), (591, 28052), (600, 28025), (601, 28022), (612, 28007), (634, 28001), (637, 27995), (657, 27962), (725, 27833), (749, 27773), (855, 27458), (858, 27449), (859, 27446), (862, 27428), (876, 27386), (880, 27380), (884, 27371), (895, 27356), (912, 27299), (970, 27140), (982, 27110), (985, 27101), (1004, 27041), (1007, 27017), (1025, 26978), (1039, 26945), (1040, 26933), (1058, 26873),

Gene: Papez_47 Start: 36969, Stop: 35152, Start Num: 254
Candidate Starts for Papez_47:
(Start: 254 @36969 has 935 MA's), (391, 36756), (426, 36693), (436, 36663), (443, 36642), (449, 36636), (455, 36627), (494, 36534), (504, 36510), (514, 36483), (591, 36390), (596, 36375), (609, 36342), (639, 36291), (641, 36288), (680, 36222), (711, 36162), (734, 36117), (755, 36078), (819, 35898), (834, 35850), (846, 35814), (847, 35811), (862, 35745), (875, 35706), (899, 35685), (904, 35664), (910, 35646), (935, 35580), (1003, 35430), (1004, 35427), (1012, 35391), (1029, 35367), (1034, 35358), (1038, 35346), (1060, 35271), (1071, 35250),

Gene: Paphu_43 Start: 34328, Stop: 32499, Start Num: 254
Candidate Starts for Paphu_43:
(Start: 254 @34328 has 935 MA's), (391, 34115), (400, 34100), (436, 34022), (443, 34001), (449, 33995), (455, 33986), (504, 33869), (514, 33842), (591, 33749), (596, 33734), (609, 33701), (639, 33650), (641, 33647), (680, 33581), (701, 33551), (711, 33521), (734, 33476), (755, 33437), (819, 33257), (834, 33209), (850, 33161), (859, 33122), (862, 33104), (875, 33065), (899, 33044), (904, 33023), (909, 33008), (953, 32885), (1035, 32714), (1040, 32690), (1057, 32642), (1060, 32630), (1071, 32609), (1075, 32603), (1094, 32555), (1101, 32540),

Gene: Paraselene_43 Start: 34680, Stop: 32854, Start Num: 254
Candidate Starts for Paraselene_43:
(Start: 254 @34680 has 935 MA's), (391, 34467), (400, 34452), (426, 34404), (436, 34374), (443, 34353), (449, 34347), (455, 34338), (504, 34221), (514, 34194), (591, 34101), (596, 34086), (609, 34053), (639, 34002), (641, 33999), (680, 33933), (701, 33903), (711, 33873), (734, 33828), (755,

33789), (819, 33609), (834, 33561), (847, 33522), (862, 33456), (875, 33417), (899, 33396), (904, 33375), (910, 33357), (935, 33291), (1003, 33141), (1004, 33138), (1012, 33102), (1029, 33078), (1034, 33069), (1038, 33057), (1060, 32982), (1071, 32961),

Gene: Pari_45 Start: 34105, Stop: 32279, Start Num: 254
Candidate Starts for Pari_45:
(Start: 254 @34105 has 935 MA's), (391, 33892), (400, 33877), (426, 33829), (436, 33799), (443, 33778), (449, 33772), (455, 33763), (504, 33646), (514, 33619), (591, 33526), (596, 33511), (639, 33427), (641, 33424), (680, 33358), (701, 33328), (711, 33298), (734, 33253), (755, 33214), (819, 33034), (834, 32986), (847, 32947), (862, 32881), (875, 32842), (899, 32821), (904, 32800), (910, 32782), (935, 32716), (1003, 32566), (1004, 32563), (1012, 32527), (1034, 32494), (1038, 32482), (1060, 32407), (1071, 32386),

Gene: Park1214_146 Start: 74910, Stop: 76946, Start Num: 282
Candidate Starts for Park1214_146:
(Start: 282 @74910 has 7 MA's), (298, 74940), (325, 74976), (345, 75000), (371, 75054), (376, 75066), (391, 75099), (428, 75168), (568, 75480), (583, 75513), (606, 75579), (647, 75648), (659, 75669), (685, 75717), (691, 75726), (786, 75963), (821, 76104), (849, 76221), (852, 76239), (898, 76359), (901, 76371), (924, 76440), (927, 76449), (941, 76491), (953, 76527), (984, 76608), (989, 76623), (1012, 76707), (1060, 76854), (1080, 76908), (1082, 76914),

Gene: ParleG_39 Start: 28937, Stop: 27072, Start Num: 339
Candidate Starts for ParleG_39:
(Start: 275 @29024 has 3 MA's), (Start: 277 @29021 has 1 MA's), (Start: 339 @28937 has 121 MA's), (Start: 342 @28928 has 5 MA's), (392, 28823), (398, 28814), (418, 28784), (419, 28781), (472, 28661), (476, 28649), (478, 28643), (518, 28538), (525, 28511), (582, 28370), (587, 28364), (588, 28361), (591, 28349), (600, 28322), (601, 28319), (612, 28304), (634, 28298), (637, 28292), (657, 28259), (725, 28130), (749, 28070), (855, 27755), (858, 27746), (859, 27743), (862, 27725), (876, 27683), (880, 27677), (884, 27668), (895, 27653), (912, 27596), (970, 27437), (982, 27407), (985, 27398), (1004, 27338), (1007, 27314), (1025, 27275), (1039, 27242), (1040, 27230), (1058, 27170),

Gene: Parliament_44 Start: 34876, Stop: 33050, Start Num: 254
Candidate Starts for Parliament_44:
(Start: 254 @34876 has 935 MA's), (391, 34663), (426, 34600), (436, 34570), (443, 34549), (449, 34543), (455, 34534), (504, 34417), (514, 34390), (591, 34297), (596, 34282), (639, 34198), (641, 34195), (680, 34129), (701, 34099), (711, 34069), (734, 34024), (755, 33985), (819, 33805), (834, 33757), (836, 33754), (847, 33718), (862, 33652), (875, 33613), (899, 33592), (904, 33571), (910, 33553), (935, 33487), (1003, 33337), (1004, 33334), (1012, 33298), (1029, 33274), (1034, 33265), (1038, 33253), (1060, 33178), (1071, 33157),

Gene: Partridge_36 Start: 28196, Stop: 26412, Start Num: 254
Candidate Starts for Partridge_36:
(Start: 254 @28196 has 935 MA's), (369, 28025), (407, 27962), (425, 27923), (441, 27875), (449, 27863), (455, 27854), (514, 27710), (591, 27617), (609, 27569), (647, 27506), (666, 27479), (719, 27374), (734, 27347), (755, 27308), (819, 27128), (834, 27080), (862, 26975), (863, 26972), (899, 26915), (904, 26894), (923, 26846), (948, 26771), (983, 26702), (1003, 26660), (1004, 26657), (1007, 26636), (1012, 26621), (1041, 26558), (1060, 26501), (1065, 26489), (1085, 26450), (1091, 26432),

Gene: PascalRango_45 Start: 34446, Stop: 32620, Start Num: 254
Candidate Starts for PascalRango_45:
(Start: 254 @34446 has 935 MA's), (391, 34233), (400, 34218), (426, 34170), (436, 34140), (443, 34119), (449, 34113), (455, 34104), (504, 33987), (514, 33960), (591, 33867), (596, 33852), (639, 33768), (641, 33765), (680, 33699), (701, 33669), (711, 33639), (734, 33594), (755, 33555), (819,

33375), (830, 33345), (834, 33327), (847, 33288), (862, 33222), (904, 33141), (905, 33138), (935, 33057), (1003, 32907), (1004, 32904), (1012, 32868), (1029, 32844), (1034, 32835), (1038, 32823), (1060, 32748), (1071, 32727),

Gene: PastaFagioli_43 Start: 30294, Stop: 32099, Start Num: 299
Candidate Starts for PastaFagioli_43:
(160, 30102), (169, 30114), (Start: 178 @30132 has 1 MA's), (Start: 208 @30177 has 32 MA's), (Start: 241 @30225 has 65 MA's), (Start: 299 @30294 has 1 MA's), (463, 30573), (464, 30576), (501, 30657), (593, 30789), (701, 30984), (766, 31131), (804, 31254), (819, 31314), (822, 31320), (836, 31365), (843, 31380), (845, 31395), (853, 31431), (862, 31467), (903, 31560), (908, 31578), (920, 31608), (967, 31731), (1003, 31803), (1012, 31842), (1037, 31884), (1053, 31938), (1060, 31962), (1065, 31974), (1071, 31983), (1081, 32007),

Gene: Patbob_98 Start: 78526, Stop: 80328, Start Num: 265
Candidate Starts for Patbob_98:
(Start: 265 @78526 has 10 MA's), (Start: 304 @78589 has 2 MA's), (315, 78601), (379, 78712), (418, 78766), (454, 78847), (467, 78874), (470, 78880), (504, 78949), (517, 78985), (591, 79054), (632, 79132), (647, 79159), (657, 79174), (755, 79363), (777, 79408), (787, 79432), (790, 79441), (795, 79459), (803, 79492), (815, 79531), (819, 79552), (822, 79558), (853, 79672), (874, 79756), (884, 79774), (903, 79822), (906, 79834), (920, 79870), (932, 79903), (935, 79912), (950, 79957), (958, 79975), (996, 80059), (1003, 80080), (1008, 80107), (1040, 80179), (1045, 80203), (1060, 80239), (1075, 80266),

Gene: PattyP_45 Start: 34329, Stop: 32500, Start Num: 254
Candidate Starts for PattyP_45:
(Start: 254 @34329 has 935 MA's), (391, 34116), (400, 34101), (426, 34053), (436, 34023), (443, 34002), (449, 33996), (455, 33987), (491, 33903), (504, 33870), (514, 33843), (591, 33750), (596, 33735), (639, 33651), (641, 33648), (680, 33582), (701, 33552), (711, 33522), (734, 33477), (755, 33438), (819, 33258), (834, 33210), (850, 33162), (859, 33123), (862, 33105), (875, 33066), (899, 33045), (904, 33024), (909, 33009), (953, 32886), (1035, 32715), (1040, 32691), (1057, 32643), (1060, 32631), (1071, 32610), (1075, 32604), (1094, 32556), (1101, 32541),

Gene: PauloDiaboli_117 Start: 81175, Stop: 79307, Start Num: 259
Candidate Starts for PauloDiaboli_117:
(205, 81250), (237, 81196), (Start: 246 @81187 has 3 MA's), (Start: 259 @81175 has 2 MA's), (373, 80977), (388, 80950), (418, 80911), (438, 80848), (454, 80830), (467, 80803), (470, 80797), (517, 80689), (594, 80611), (601, 80590), (615, 80557), (632, 80527), (647, 80500), (681, 80440), (736, 80335), (755, 80302), (787, 80233), (790, 80224), (819, 80113), (852, 79999), (873, 79915), (879, 79900), (920, 79789), (923, 79783), (927, 79771), (932, 79756), (972, 79654), (976, 79645), (1007, 79555), (1029, 79516), (1035, 79504), (1041, 79477), (1060, 79420), (1075, 79396),

Gene: Pawn_48 Start: 31757, Stop: 29943, Start Num: 254
Candidate Starts for Pawn_48:
(Start: 254 @31757 has 935 MA's), (284, 31718), (289, 31706), (386, 31553), (395, 31538), (426, 31481), (449, 31424), (455, 31415), (474, 31373), (494, 31322), (514, 31271), (591, 31178), (609, 31130), (626, 31106), (647, 31067), (666, 31040), (680, 31010), (727, 30917), (734, 30905), (758, 30857), (767, 30842), (819, 30686), (836, 30635), (846, 30602), (847, 30599), (862, 30533), (875, 30494), (905, 30422), (920, 30383), (929, 30359), (935, 30341), (946, 30308), (985, 30227), (1007, 30167), (1018, 30149), (1041, 30089), (1043, 30080), (1060, 30032), (1065, 30020), (1071, 30011),

Gene: Payneful_44 Start: 33908, Stop: 32082, Start Num: 254
Candidate Starts for Payneful_44:

(Start: 254 @33908 has 935 MA's), (391, 33695), (400, 33680), (436, 33602), (443, 33581), (449, 33575), (455, 33566), (504, 33449), (514, 33422), (591, 33329), (596, 33314), (639, 33230), (641, 33227), (680, 33161), (701, 33131), (711, 33101), (734, 33056), (755, 33017), (819, 32837), (830, 32807), (834, 32789), (836, 32786), (847, 32750), (862, 32684), (904, 32603), (905, 32600), (935, 32519), (1003, 32369), (1004, 32366), (1012, 32330), (1029, 32306), (1034, 32297), (1038, 32285), (1043, 32258), (1060, 32210), (1071, 32189),

Gene: PeaceMeal1_42 Start: 30387, Stop: 28555, Start Num: 254
Candidate Starts for PeaceMeal1_42:
(Start: 254 @30387 has 935 MA's), (289, 30336), (338, 30270), (386, 30183), (391, 30174), (422, 30123), (426, 30111), (449, 30054), (488, 29973), (491, 29961), (494, 29952), (505, 29925), (514, 29901), (591, 29808), (605, 29769), (647, 29700), (666, 29673), (734, 29541), (819, 29313), (843, 29247), (855, 29190), (862, 29160), (875, 29121), (905, 29049), (910, 29034), (920, 29010), (935, 28968), (946, 28935), (1007, 28779), (1021, 28755), (1043, 28692), (1060, 28644), (1065, 28632), (1071, 28623),

Gene: Peaches_45 Start: 31569, Stop: 29743, Start Num: 254
Candidate Starts for Peaches_45:
(Start: 254 @31569 has 935 MA's), (271, 31548), (289, 31518), (305, 31488), (413, 31326), (421, 31308), (449, 31236), (455, 31227), (505, 31107), (514, 31083), (591, 30990), (611, 30942), (626, 30921), (647, 30882), (719, 30750), (732, 30729), (755, 30684), (759, 30672), (815, 30519), (819, 30498), (855, 30375), (862, 30345), (875, 30306), (904, 30240), (905, 30237), (910, 30222), (920, 30198), (929, 30174), (1007, 29967), (1060, 29832), (1065, 29820), (1071, 29811),

Gene: Pecas_43 Start: 29785, Stop: 31659, Start Num: 241
Candidate Starts for Pecas_43:
(Start: 238 @29782 has 7 MA's), (Start: 241 @29785 has 65 MA's), (Start: 299 @29854 has 1 MA's), (315, 29875), (334, 29899), (426, 30055), (455, 30121), (647, 30457), (719, 30592), (766, 30691), (804, 30814), (819, 30874), (822, 30880), (836, 30925), (843, 30940), (845, 30955), (853, 30991), (862, 31027), (903, 31120), (936, 31213), (967, 31291), (1003, 31363), (1012, 31402), (1037, 31444), (1040, 31462), (1060, 31522), (1071, 31543),

Gene: Peep_39 Start: 28922, Stop: 27057, Start Num: 339
Candidate Starts for Peep_39:
(Start: 275 @29009 has 3 MA's), (Start: 277 @29006 has 1 MA's), (Start: 339 @28922 has 121 MA's), (Start: 342 @28913 has 5 MA's), (392, 28808), (398, 28799), (418, 28769), (419, 28766), (472, 28646), (476, 28634), (478, 28628), (518, 28523), (525, 28496), (582, 28355), (587, 28349), (588, 28346), (591, 28334), (600, 28307), (601, 28304), (612, 28289), (634, 28283), (637, 28277), (657, 28244), (725, 28115), (749, 28055), (807, 27890), (855, 27740), (858, 27731), (859, 27728), (862, 27710), (876, 27668), (880, 27662), (884, 27653), (895, 27638), (912, 27581), (970, 27422), (982, 27392), (985, 27383), (1004, 27323), (1007, 27299), (1025, 27260), (1039, 27227), (1040, 27215), (1058, 27155),

Gene: Pelly_44 Start: 34856, Stop: 33030, Start Num: 254
Candidate Starts for Pelly_44:
(Start: 254 @34856 has 935 MA's), (400, 34628), (426, 34580), (436, 34550), (443, 34529), (449, 34523), (455, 34514), (504, 34397), (514, 34370), (591, 34277), (596, 34262), (609, 34229), (639, 34178), (641, 34175), (675, 34121), (680, 34109), (701, 34079), (711, 34049), (734, 34004), (755, 33965), (819, 33785), (834, 33737), (847, 33698), (862, 33632), (875, 33593), (899, 33572), (904, 33551), (910, 33533), (935, 33467), (1003, 33317), (1004, 33314), (1012, 33278), (1029, 33254), (1038, 33233), (1043, 33206), (1060, 33158), (1071, 33137),

Gene: Pembroke_48 Start: 31854, Stop: 30040, Start Num: 254

Candidate Starts for Pembroke_48:
(Start: 254 @31854 has 935 MA's), (284, 31815), (289, 31803), (386, 31650), (395, 31635), (426, 31578), (449, 31521), (455, 31512), (474, 31470), (494, 31419), (514, 31368), (591, 31275), (609, 31227), (618, 31218), (626, 31203), (647, 31164), (666, 31137), (680, 31107), (727, 31014), (734, 31002), (758, 30954), (767, 30939), (819, 30783), (847, 30696), (862, 30630), (875, 30591), (905, 30519), (920, 30480), (929, 30456), (935, 30438), (946, 30405), (956, 30378), (985, 30324), (1007, 30264), (1041, 30186), (1060, 30129), (1065, 30117), (1071, 30108),

Gene: PenguinLover67_56 Start: 54688, Stop: 52865, Start Num: 221
Candidate Starts for PenguinLover67_56:
(217, 54691), (Start: 221 @54688 has 1 MA's), (Start: 258 @54667 has 2 MA's), (280, 54640), (305, 54595), (320, 54586), (338, 54568), (388, 54475), (454, 54337), (467, 54313), (477, 54292), (511, 54205), (567, 54148), (590, 54112), (594, 54100), (603, 54076), (605, 54073), (609, 54064), (670, 53956), (671, 53953), (673, 53950), (684, 53923), (775, 53722), (796, 53656), (797, 53653), (800, 53635), (806, 53617), (813, 53593), (814, 53587), (820, 53560), (854, 53452), (856, 53446), (859, 53437), (904, 53338), (905, 53335), (910, 53320), (939, 53242), (944, 53230), (950, 53209), (958, 53191), (974, 53161), (996, 53125), (1007, 53080), (1018, 53062), (1021, 53056), (1026, 53047), (1039, 53017), (1040, 53005), (1041, 53002), (1054, 52963), (1062, 52939), (1073, 52915), (1084, 52891), (1091, 52870),

Gene: Penny1_49 Start: 31856, Stop: 30042, Start Num: 254
Candidate Starts for Penny1_49:
(Start: 254 @31856 has 935 MA's), (284, 31817), (289, 31805), (386, 31652), (395, 31637), (426, 31580), (449, 31523), (455, 31514), (474, 31472), (494, 31421), (514, 31370), (591, 31277), (609, 31229), (618, 31220), (626, 31205), (647, 31166), (666, 31139), (680, 31109), (727, 31016), (758, 30956), (767, 30941), (819, 30785), (847, 30698), (862, 30632), (875, 30593), (905, 30521), (920, 30482), (929, 30458), (935, 30440), (946, 30407), (956, 30380), (985, 30326), (1007, 30266), (1041, 30188), (1060, 30131), (1065, 30119), (1071, 30110),

Gene: Penta_35 Start: 27010, Stop: 25109, Start Num: 336
Candidate Starts for Penta_35:
(Start: 336 @27010 has 4 MA's), (398, 26887), (418, 26857), (420, 26851), (436, 26809), (438, 26800), (469, 26743), (472, 26734), (476, 26722), (478, 26716), (544, 26515), (582, 26440), (588, 26431), (591, 26419), (601, 26389), (634, 26368), (639, 26356), (654, 26332), (733, 26182), (807, 25975), (817, 25921), (850, 25819), (853, 25798), (862, 25762), (874, 25726), (876, 25720), (912, 25633), (918, 25606), (970, 25474), (985, 25435), (991, 25414), (1004, 25375), (1007, 25351), (1009, 25345), (1022, 25318), (1058, 25207),

Gene: Pepe_42 Start: 33016, Stop: 31229, Start Num: 254
Candidate Starts for Pepe_42:
(Start: 254 @33016 has 935 MA's), (391, 32803), (400, 32788), (426, 32740), (436, 32710), (443, 32689), (449, 32683), (455, 32674), (504, 32557), (514, 32530), (591, 32437), (596, 32422), (639, 32338), (641, 32335), (680, 32269), (701, 32239), (711, 32209), (734, 32164), (755, 32125), (819, 31945), (834, 31897), (847, 31858), (862, 31792), (902, 31720), (904, 31711), (935, 31627), (971, 31540), (1029, 31414), (1035, 31402), (1053, 31342), (1060, 31318), (1063, 31312),

Gene: Peppino_38 Start: 29047, Stop: 27182, Start Num: 339
Candidate Starts for Peppino_38:
(Start: 339 @29047 has 121 MA's), (Start: 342 @29038 has 5 MA's), (471, 28774), (476, 28759), (478, 28753), (525, 28621), (540, 28567), (582, 28480), (588, 28471), (591, 28459), (600, 28432), (601, 28429), (612, 28414), (634, 28408), (789, 28078), (855, 27865), (858, 27856), (859, 27853), (862, 27835), (876, 27793), (884, 27778), (912, 27706), (918, 27679), (970, 27547), (982, 27517), (1004, 27448), (1007, 27424), (1009, 27418), (1025, 27385), (1039, 27352), (1040, 27340),

Gene: Percival_49 Start: 32475, Stop: 34340, Start Num: 253
Candidate Starts for Percival_49:
(164, 32349), (209, 32418), (Start: 253 @32475 has 33 MA's), (436, 32772), (501, 32916), (593, 33069), (647, 33177), (666, 33204), (702, 33264), (727, 33324), (732, 33330), (759, 33387), (762, 33393), (798, 33507), (819, 33588), (841, 33651), (853, 33705), (855, 33711), (923, 33888), (929, 33906), (932, 33915), (936, 33927), (970, 34011), (1018, 34119), (1039, 34164), (1060, 34236), (1096, 34314), (1105, 34335),

Gene: Perplexer_44 Start: 31519, Stop: 29690, Start Num: 254
Candidate Starts for Perplexer_44:
(Start: 254 @31519 has 935 MA's), (289, 31468), (305, 31438), (413, 31276), (421, 31258), (426, 31243), (449, 31186), (455, 31177), (505, 31057), (514, 31033), (562, 30991), (591, 30940), (611, 30892), (626, 30871), (647, 30832), (675, 30787), (678, 30781), (719, 30700), (732, 30679), (755, 30634), (815, 30469), (819, 30448), (862, 30295), (875, 30256), (905, 30184), (910, 30169), (920, 30145), (927, 30127), (929, 30121), (931, 30115), (1007, 29914), (1060, 29779), (1065, 29767), (1071, 29758),

Gene: Perseus_45 Start: 35152, Stop: 33323, Start Num: 254
Candidate Starts for Perseus_45:
(Start: 254 @35152 has 935 MA's), (391, 34939), (400, 34924), (436, 34846), (443, 34825), (449, 34819), (455, 34810), (491, 34726), (504, 34693), (514, 34666), (591, 34573), (596, 34558), (603, 34537), (609, 34525), (639, 34474), (641, 34471), (680, 34405), (701, 34375), (711, 34345), (734, 34300), (755, 34261), (819, 34081), (834, 34033), (850, 33985), (859, 33946), (862, 33928), (875, 33889), (899, 33868), (904, 33847), (909, 33832), (953, 33709), (1035, 33538), (1040, 33514), (1057, 33466), (1060, 33454), (1071, 33433), (1075, 33427), (1094, 33379), (1101, 33364),

Gene: PeterPeter_45 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for PeterPeter_45:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Petersenfast_43 Start: 30332, Stop: 28545, Start Num: 254
Candidate Starts for Petersenfast_43:
(Start: 254 @30332 has 935 MA's), (386, 30128), (426, 30056), (436, 30026), (449, 29999), (593, 29747), (618, 29696), (666, 29615), (688, 29570), (690, 29567), (732, 29486), (759, 29429), (786, 29387), (798, 29342), (819, 29261), (836, 29210), (847, 29174), (862, 29108), (899, 29048), (902, 29036), (938, 28934), (946, 28910), (951, 28892), (985, 28829), (1000, 28802), (1003, 28793), (1007, 28769), (1060, 28634), (1065, 28622), (1071, 28613),

Gene: Peterson_48 Start: 37027, Stop: 35201, Start Num: 254
Candidate Starts for Peterson_48:
(Start: 254 @37027 has 935 MA's), (391, 36814), (400, 36799), (436, 36721), (449, 36694), (504, 36568), (514, 36541), (591, 36448), (596, 36433), (609, 36400), (639, 36349), (641, 36346), (680, 36280), (701, 36250), (711, 36220), (734, 36175), (755, 36136), (819, 35956), (834, 35908), (847, 35869), (862, 35803), (875, 35764), (899, 35743), (904, 35722), (910, 35704), (935, 35638), (1003, 35488), (1004, 35485), (1012, 35449), (1029, 35425), (1034, 35416), (1038, 35404), (1060, 35329), (1071, 35308),

Gene: PetiteSangsue_44 Start: 31522, Stop: 29693, Start Num: 254

Candidate Starts for PetiteSangsue_44:
(Start: 254 @31522 has 935 MA's), (289, 31471), (305, 31441), (413, 31279), (421, 31261), (426, 31246), (449, 31189), (455, 31180), (505, 31060), (514, 31036), (562, 30994), (591, 30943), (611, 30895), (626, 30874), (647, 30835), (675, 30790), (678, 30784), (719, 30703), (732, 30682), (755, 30637), (815, 30472), (819, 30451), (862, 30298), (875, 30259), (905, 30187), (910, 30172), (920, 30148), (927, 30130), (929, 30124), (931, 30118), (1007, 29917), (1060, 29782), (1065, 29770), (1071, 29761),

Gene: Petp2012_45 Start: 34941, Stop: 33115, Start Num: 254
Candidate Starts for Petp2012_45:
(Start: 254 @34941 has 935 MA's), (391, 34728), (400, 34713), (426, 34665), (436, 34635), (443, 34614), (449, 34608), (455, 34599), (504, 34482), (514, 34455), (591, 34362), (596, 34347), (603, 34326), (639, 34263), (641, 34260), (680, 34194), (701, 34164), (711, 34134), (734, 34089), (755, 34050), (819, 33870), (834, 33822), (847, 33783), (862, 33717), (875, 33678), (899, 33657), (904, 33636), (910, 33618), (935, 33552), (1003, 33402), (1004, 33399), (1012, 33363), (1029, 33339), (1034, 33330), (1038, 33318), (1060, 33243), (1071, 33222),

Gene: Petruchio_45 Start: 34801, Stop: 32972, Start Num: 254
Candidate Starts for Petruchio_45:
(Start: 254 @34801 has 935 MA's), (391, 34588), (400, 34573), (426, 34525), (436, 34495), (443, 34474), (449, 34468), (455, 34459), (504, 34342), (514, 34315), (591, 34222), (596, 34207), (609, 34174), (639, 34123), (641, 34120), (675, 34066), (680, 34054), (701, 34024), (711, 33994), (734, 33949), (755, 33910), (819, 33730), (834, 33682), (850, 33634), (859, 33595), (862, 33577), (875, 33538), (899, 33517), (904, 33496), (909, 33481), (953, 33358), (1035, 33187), (1040, 33163), (1057, 33115), (1060, 33103), (1071, 33082), (1075, 33076), (1094, 33028), (1101, 33013),

Gene: PetterN_40 Start: 30056, Stop: 28191, Start Num: 254
Candidate Starts for PetterN_40:
(195, 30131), (Start: 224 @30089 has 2 MA's), (Start: 254 @30056 has 935 MA's), (334, 29945), (386, 29852), (388, 29849), (426, 29780), (427, 29777), (436, 29750), (449, 29723), (455, 29714), (491, 29630), (494, 29621), (501, 29606), (514, 29570), (571, 29510), (591, 29474), (609, 29426), (625, 29405), (626, 29402), (659, 29342), (706, 29264), (727, 29216), (734, 29204), (758, 29156), (783, 29105), (819, 28970), (834, 28922), (847, 28883), (850, 28874), (856, 28844), (862, 28817), (863, 28814), (904, 28736), (910, 28718), (929, 28670), (946, 28619), (971, 28565), (975, 28556), (985, 28538), (1018, 28460), (1060, 28343), (1065, 28331), (1111, 28226),

Gene: Ph8s_46 Start: 30526, Stop: 28739, Start Num: 254
Candidate Starts for Ph8s_46:
(Start: 254 @30526 has 935 MA's), (386, 30322), (426, 30250), (427, 30247), (436, 30220), (449, 30193), (463, 30172), (514, 30040), (591, 29947), (609, 29899), (666, 29809), (690, 29761), (819, 29455), (846, 29371), (847, 29368), (855, 29332), (862, 29302), (875, 29263), (899, 29242), (902, 29230), (904, 29221), (908, 29209), (946, 29104), (956, 29077), (975, 29041), (985, 29023), (1003, 28987), (1007, 28963), (1060, 28828), (1065, 28816), (1071, 28807),

Gene: Phacado_45 Start: 31569, Stop: 29743, Start Num: 254
Candidate Starts for Phacado_45:
(Start: 254 @31569 has 935 MA's), (271, 31548), (289, 31518), (305, 31488), (413, 31326), (421, 31308), (449, 31236), (455, 31227), (505, 31107), (514, 31083), (591, 30990), (611, 30942), (626, 30921), (647, 30882), (719, 30750), (732, 30729), (755, 30684), (759, 30672), (815, 30519), (819, 30498), (855, 30375), (862, 30345), (875, 30306), (904, 30240), (905, 30237), (910, 30222), (920, 30198), (929, 30174), (1007, 29967), (1060, 29832), (1065, 29820), (1071, 29811),

Gene: Phaded_46 Start: 32625, Stop: 30835, Start Num: 254

Candidate Starts for Phaded_46:
(Start: 254 @32625 has 935 MA's), (386, 32421), (391, 32412), (427, 32343), (436, 32316), (449, 32289), (514, 32136), (591, 32043), (609, 31995), (618, 31986), (626, 31971), (666, 31905), (681, 31872), (725, 31788), (767, 31707), (786, 31677), (819, 31551), (830, 31521), (836, 31500), (855, 31428), (862, 31398), (875, 31359), (899, 31338), (904, 31317), (908, 31305), (975, 31137), (1003, 31083), (1007, 31059), (1037, 31002), (1041, 30981), (1060, 30924), (1065, 30912), (1071, 30903),

Gene: Phaeder_45 Start: 31483, Stop: 29690, Start Num: 254
Candidate Starts for Phaeder_45:
(Start: 254 @31483 has 935 MA's), (261, 31474), (289, 31432), (369, 31312), (371, 31309), (396, 31261), (427, 31201), (437, 31171), (441, 31159), (449, 31147), (514, 30994), (591, 30901), (666, 30763), (680, 30733), (759, 30574), (767, 30562), (785, 30535), (815, 30427), (819, 30406), (859, 30271), (862, 30253), (904, 30172), (920, 30130), (946, 30055), (983, 29980), (1003, 29938), (1041, 29836), (1060, 29779), (1065, 29767), (1071, 29758),

Gene: Phaedrus_54 Start: 53117, Stop: 51300, Start Num: 256
Candidate Starts for Phaedrus_54:
(137, 53300), (Start: 256 @53117 has 51 MA's), (280, 53087), (391, 52907), (463, 52754), (467, 52742), (481, 52712), (489, 52706), (511, 52643), (513, 52637), (567, 52586), (588, 52559), (590, 52550), (609, 52502), (671, 52397), (718, 52301), (747, 52250), (796, 52106), (806, 52067), (814, 52037), (820, 52010), (824, 51998), (854, 51902), (856, 51896), (859, 51887), (861, 51875), (893, 51803), (904, 51773), (910, 51755), (915, 51746), (939, 51677), (944, 51665), (950, 51644), (985, 51575), (996, 51560), (1004, 51536), (1007, 51515), (1021, 51491), (1039, 51452), (1042, 51434), (1044, 51422), (1050, 51410), (1054, 51398), (1070, 51356), (1084, 51326),

Gene: PhailMary_35 Start: 28435, Stop: 26651, Start Num: 254
Candidate Starts for PhailMary_35:
(Start: 254 @28435 has 935 MA's), (407, 28201), (422, 28171), (425, 28162), (426, 28159), (441, 28114), (449, 28102), (455, 28093), (474, 28051), (514, 27949), (548, 27928), (591, 27856), (606, 27811), (609, 27808), (636, 27766), (638, 27760), (647, 27745), (666, 27718), (719, 27613), (725, 27604), (734, 27586), (755, 27547), (787, 27490), (819, 27367), (834, 27319), (862, 27214), (863, 27211), (899, 27154), (904, 27133), (923, 27085), (948, 27010), (983, 26941), (1003, 26899), (1007, 26875), (1041, 26797), (1060, 26740), (1065, 26728), (1091, 26671),

Gene: Phamished_62 Start: 54237, Stop: 52378, Start Num: 215
Candidate Starts for Phamished_62:
(Start: 198 @54261 has 1 MA's), (Start: 215 @54237 has 328 MA's), (Start: 245 @54213 has 14 MA's), (Start: 258 @54207 has 2 MA's), (Start: 288 @54165 has 1 MA's), (300, 54144), (360, 54030), (363, 54024), (382, 53994), (418, 53934), (425, 53913), (442, 53859), (454, 53847), (464, 53829), (469, 53817), (511, 53712), (567, 53655), (590, 53619), (594, 53607), (603, 53583), (609, 53571), (620, 53553), (630, 53535), (641, 53517), (666, 53478), (670, 53469), (671, 53466), (673, 53463), (813, 53106), (820, 53073), (827, 53052), (856, 52959), (859, 52950), (881, 52887), (904, 52851), (905, 52848), (910, 52833), (939, 52755), (944, 52743), (950, 52722), (970, 52683), (1007, 52593), (1018, 52575), (1021, 52569), (1029, 52554), (1039, 52530), (1041, 52515), (1042, 52512), (1044, 52500), (1054, 52476), (1073, 52428), (1084, 52404),

Gene: Phanita_38 Start: 28715, Stop: 26850, Start Num: 337
Candidate Starts for Phanita_38:
(Start: 337 @28715 has 44 MA's), (381, 28616), (420, 28556), (438, 28505), (476, 28427), (478, 28421), (494, 28376), (495, 28373), (496, 28370), (511, 28331), (531, 28271), (582, 28148), (588, 28139), (591, 28127), (595, 28115), (601, 28097), (634, 28076), (639, 28064), (731, 27893), (796, 27725), (850, 27560), (858, 27524), (862, 27503), (876, 27461), (912, 27374), (925, 27329), (962, 27230), (982, 27185), (1004, 27116), (1007, 27092), (1022, 27059), (1058, 26948),

Gene: Phantasmagoria_57 Start: 52498, Stop: 50669, Start Num: 215
Candidate Starts for Phantasmagoria_57:
(Start: 215 @52498 has 328 MA's), (Start: 258 @52471 has 2 MA's), (Start: 282 @52441 has 7 MA's), (Start: 288 @52429 has 1 MA's), (Start: 304 @52402 has 2 MA's), (305, 52399), (314, 52390), (338, 52372), (388, 52276), (418, 52225), (426, 52201), (433, 52177), (496, 52039), (503, 52024), (506, 52015), (511, 52003), (567, 51946), (590, 51910), (594, 51898), (603, 51874), (652, 51790), (670, 51760), (671, 51757), (684, 51727), (753, 51583), (778, 51517), (796, 51466), (800, 51445), (806, 51427), (820, 51370), (844, 51313), (850, 51286), (856, 51256), (859, 51247), (879, 51181), (902, 51154), (904, 51145), (910, 51127), (920, 51103), (939, 51049), (944, 51037), (950, 51016), (985, 50947), (1007, 50887), (1018, 50869), (1035, 50836), (1039, 50824), (1041, 50809), (1042, 50806), (1044, 50794), (1054, 50770), (1055, 50767), (1073, 50719), (1075, 50716), (1084, 50695), (1091, 50674),

Gene: Phantastic_46 Start: 31173, Stop: 29335, Start Num: 254
Candidate Starts for Phantastic_46:
(202, 31245), (Start: 254 @31173 has 935 MA's), (289, 31122), (386, 30969), (426, 30897), (449, 30840), (455, 30831), (463, 30819), (505, 30711), (514, 30687), (591, 30591), (611, 30543), (647, 30483), (683, 30420), (719, 30351), (732, 30330), (767, 30261), (787, 30216), (819, 30093), (834, 30045), (855, 29970), (862, 29940), (905, 29829), (910, 29814), (920, 29790), (929, 29766), (935, 29748), (983, 29625), (985, 29619), (1000, 29592), (1007, 29559), (1060, 29424), (1065, 29412), (1071, 29403),

Gene: Pharaoh_39 Start: 30968, Stop: 29124, Start Num: 254
Candidate Starts for Pharaoh_39:
(Start: 254 @30968 has 935 MA's), (271, 30947), (Start: 282 @30932 has 7 MA's), (Start: 288 @30920 has 1 MA's), (391, 30755), (413, 30722), (426, 30689), (427, 30686), (436, 30659), (449, 30632), (463, 30611), (514, 30479), (591, 30386), (609, 30338), (618, 30329), (626, 30314), (647, 30275), (666, 30248), (690, 30200), (725, 30131), (767, 30050), (786, 30008), (803, 29945), (819, 29882), (836, 29831), (847, 29795), (855, 29759), (862, 29729), (875, 29690), (899, 29669), (904, 29648), (946, 29531), (975, 29468), (1003, 29414), (1007, 29390), (1037, 29333), (1041, 29312), (1060, 29255), (1065, 29243), (1091, 29186),

Gene: Phareon_59 Start: 53752, Stop: 51893, Start Num: 215
Candidate Starts for Phareon_59:
(Start: 198 @53776 has 1 MA's), (Start: 215 @53752 has 328 MA's), (Start: 245 @53728 has 14 MA's), (Start: 258 @53722 has 2 MA's), (Start: 288 @53680 has 1 MA's), (300, 53659), (360, 53545), (363, 53539), (382, 53509), (418, 53449), (425, 53428), (442, 53374), (454, 53362), (464, 53344), (469, 53332), (511, 53227), (567, 53170), (590, 53134), (594, 53122), (603, 53098), (609, 53086), (620, 53068), (630, 53050), (641, 53032), (666, 52993), (670, 52984), (671, 52981), (673, 52978), (813, 52621), (820, 52588), (827, 52567), (856, 52474), (859, 52465), (881, 52402), (904, 52366), (905, 52363), (910, 52348), (939, 52270), (944, 52258), (950, 52237), (970, 52198), (1007, 52108), (1018, 52090), (1021, 52084), (1029, 52069), (1039, 52045), (1041, 52030), (1042, 52027), (1044, 52015), (1054, 51991), (1073, 51943), (1084, 51919),

Gene: PhatCats2014_61 Start: 54551, Stop: 52692, Start Num: 215
Candidate Starts for PhatCats2014_61:
(Start: 198 @54575 has 1 MA's), (Start: 215 @54551 has 328 MA's), (Start: 245 @54527 has 14 MA's), (Start: 258 @54521 has 2 MA's), (Start: 288 @54479 has 1 MA's), (300, 54458), (360, 54344), (363, 54338), (382, 54308), (418, 54248), (425, 54227), (442, 54173), (454, 54161), (464, 54143), (469, 54131), (511, 54026), (567, 53969), (590, 53933), (594, 53921), (605, 53894), (620, 53867), (630, 53849), (641, 53831), (666, 53792), (670, 53783), (671, 53780), (783, 53522), (813, 53420), (820, 53387), (827, 53366), (856, 53273), (859, 53264), (881, 53201), (904, 53165), (905, 53162),

(910, 53147), (939, 53069), (944, 53057), (950, 53036), (970, 52997), (1007, 52907), (1018, 52889), (1021, 52883), (1029, 52868), (1039, 52844), (1041, 52829), (1042, 52826), (1044, 52814), (1054, 52790), (1073, 52742), (1084, 52718),

Gene: PhatLouie_62 Start: 54569, Stop: 52710, Start Num: 215
Candidate Starts for PhatLouie_62:
(Start: 198 @54593 has 1 MA's), (Start: 215 @54569 has 328 MA's), (Start: 245 @54545 has 14 MA's), (Start: 258 @54539 has 2 MA's), (Start: 288 @54497 has 1 MA's), (300, 54476), (360, 54362), (363, 54356), (382, 54326), (418, 54266), (425, 54245), (442, 54191), (454, 54179), (464, 54161), (469, 54149), (511, 54044), (567, 53987), (590, 53951), (594, 53939), (603, 53915), (609, 53903), (620, 53885), (630, 53867), (641, 53849), (666, 53810), (670, 53801), (671, 53798), (673, 53795), (813, 53438), (820, 53405), (827, 53384), (856, 53291), (859, 53282), (881, 53219), (904, 53183), (905, 53180), (910, 53165), (939, 53087), (944, 53075), (950, 53054), (970, 53015), (1007, 52925), (1018, 52907), (1021, 52901), (1029, 52886), (1039, 52862), (1041, 52847), (1042, 52844), (1044, 52832), (1054, 52808), (1073, 52760), (1084, 52736),

Gene: Phayeta_60 Start: 53944, Stop: 52127, Start Num: 256
Candidate Starts for Phayeta_60:
(137, 54127), (Start: 256 @53944 has 51 MA's), (280, 53914), (391, 53734), (463, 53581), (467, 53569), (481, 53539), (489, 53533), (511, 53470), (513, 53464), (567, 53413), (590, 53377), (609, 53329), (671, 53224), (718, 53128), (747, 53077), (796, 52933), (806, 52894), (814, 52864), (820, 52837), (824, 52825), (854, 52729), (856, 52723), (859, 52714), (861, 52702), (893, 52630), (904, 52600), (910, 52582), (915, 52573), (939, 52504), (944, 52492), (950, 52471), (985, 52402), (996, 52387), (1004, 52363), (1007, 52342), (1018, 52324), (1021, 52318), (1037, 52285), (1039, 52279), (1042, 52261), (1044, 52249), (1050, 52237), (1054, 52225), (1070, 52183), (1084, 52153),

Gene: Phelemich_56 Start: 54570, Stop: 52741, Start Num: 208
Candidate Starts for Phelemich_56:
(Start: 208 @54570 has 32 MA's), (Start: 239 @54549 has 1 MA's), (Start: 258 @54540 has 2 MA's), (280, 54513), (Start: 288 @54498 has 1 MA's), (338, 54441), (425, 54273), (463, 54195), (469, 54180), (477, 54162), (487, 54150), (498, 54114), (511, 54084), (590, 53991), (594, 53979), (595, 53976), (603, 53955), (605, 53952), (609, 53943), (620, 53925), (658, 53862), (671, 53838), (725, 53733), (774, 53610), (783, 53586), (792, 53559), (796, 53547), (797, 53544), (800, 53526), (806, 53508), (814, 53478), (820, 53451), (840, 53400), (856, 53337), (859, 53328), (893, 53244), (905, 53211), (910, 53196), (933, 53136), (939, 53118), (944, 53106), (950, 53085), (953, 53076), (955, 53073), (1007, 52956), (1018, 52938), (1021, 52932), (1039, 52893), (1040, 52881), (1041, 52878), (1044, 52863), (1050, 52851), (1054, 52839), (1070, 52797), (1075, 52788), (1084, 52767), (1091, 52746),

Gene: Phelipe_46 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Phelipe_46:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Phendrix_176 Start: 96123, Stop: 94333, Start Num: 254
Candidate Starts for Phendrix_176:
(Start: 254 @96123 has 935 MA's), (315, 96036), (347, 95994), (378, 95937), (439, 95814), (441, 95811), (462, 95784), (473, 95754), (491, 95727), (512, 95673), (517, 95658), (562, 95628), (591, 95589), (599, 95565), (604, 95553), (632, 95505), (647, 95478), (657, 95463), (686, 95409), (711, 95364), (734, 95319), (788, 95220), (790, 95214), (815, 95118), (819, 95097), (835, 95046), (853, 94980), (891, 94860), (903, 94830), (917, 94791), (920, 94782), (927, 94764), (932, 94749), (935,

94740), (937, 94734), (939, 94728), (954, 94686), (966, 94665), (997, 94587), (1000, 94581), (1024, 94518), (1036, 94494), (1057, 94419), (1060, 94407), (1087, 94356),

Gene: PhenghisKhan_61 Start: 54194, Stop: 52335, Start Num: 215
Candidate Starts for PhenghisKhan_61:
(Start: 198 @54218 has 1 MA's), (Start: 215 @54194 has 328 MA's), (Start: 245 @54170 has 14 MA's), (Start: 258 @54164 has 2 MA's), (Start: 288 @54122 has 1 MA's), (300, 54101), (360, 53987), (363, 53981), (382, 53951), (418, 53891), (425, 53870), (442, 53816), (454, 53804), (464, 53786), (469, 53774), (511, 53669), (567, 53612), (590, 53576), (594, 53564), (603, 53540), (609, 53528), (620, 53510), (630, 53492), (641, 53474), (666, 53435), (670, 53426), (671, 53423), (673, 53420), (783, 53165), (813, 53063), (820, 53030), (827, 53009), (856, 52916), (859, 52907), (881, 52844), (904, 52808), (905, 52805), (910, 52790), (939, 52712), (944, 52700), (950, 52679), (970, 52640), (1007, 52550), (1018, 52532), (1021, 52526), (1029, 52511), (1039, 52487), (1041, 52472), (1042, 52469), (1044, 52457), (1054, 52433), (1060, 52412), (1073, 52385), (1084, 52361),

Gene: Pherbot_37 Start: 28480, Stop: 26630, Start Num: 335
Candidate Starts for Pherbot_37:
(Start: 335 @28480 has 20 MA's), (398, 28357), (419, 28324), (469, 28213), (476, 28192), (478, 28186), (496, 28135), (554, 27979), (582, 27925), (587, 27919), (588, 27916), (591, 27904), (601, 27874), (654, 27817), (731, 27670), (789, 27523), (855, 27313), (859, 27301), (862, 27283), (876, 27241), (884, 27226), (902, 27190), (912, 27154), (982, 26965), (985, 26956), (1004, 26896), (1007, 26872), (1015, 26851), (1022, 26839), (1058, 26728),

Gene: Pherdinand_62 Start: 54314, Stop: 52455, Start Num: 215
Candidate Starts for Pherdinand_62:
(Start: 198 @54338 has 1 MA's), (Start: 215 @54314 has 328 MA's), (Start: 245 @54290 has 14 MA's), (Start: 258 @54284 has 2 MA's), (Start: 288 @54242 has 1 MA's), (300, 54221), (360, 54107), (363, 54101), (382, 54071), (418, 54011), (425, 53990), (442, 53936), (454, 53924), (464, 53906), (469, 53894), (511, 53789), (567, 53732), (590, 53696), (594, 53684), (603, 53660), (609, 53648), (620, 53630), (630, 53612), (641, 53594), (666, 53555), (670, 53546), (671, 53543), (673, 53540), (813, 53183), (820, 53150), (827, 53129), (856, 53036), (859, 53027), (881, 52964), (904, 52928), (905, 52925), (910, 52910), (939, 52832), (944, 52820), (950, 52799), (970, 52760), (1007, 52670), (1018, 52652), (1021, 52646), (1029, 52631), (1039, 52607), (1041, 52592), (1042, 52589), (1044, 52577), (1054, 52553), (1073, 52505), (1084, 52481),

Gene: Pherferi_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for Pherferi_39:
(Start: 275 @29017 has 3 MA's), (Start: 277 @29014 has 1 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (749, 28063), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (884, 27661), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: Phergie_62 Start: 54186, Stop: 52327, Start Num: 215
Candidate Starts for Phergie_62:
(Start: 198 @54210 has 1 MA's), (Start: 215 @54186 has 328 MA's), (Start: 245 @54162 has 14 MA's), (Start: 258 @54156 has 2 MA's), (Start: 288 @54114 has 1 MA's), (300, 54093), (360, 53979), (363, 53973), (382, 53943), (418, 53883), (425, 53862), (442, 53808), (454, 53796), (464, 53778), (469, 53766), (511, 53661), (567, 53604), (590, 53568), (594, 53556), (603, 53532), (609, 53520), (620, 53502), (630, 53484), (641, 53466), (666, 53427), (670, 53418), (671, 53415), (673, 53412), (783, 53157), (813, 53055), (820, 53022), (827, 53001), (856, 52908), (859, 52899), (881, 52836),

(904, 52800), (905, 52797), (910, 52782), (939, 52704), (944, 52692), (950, 52671), (970, 52632), (1007, 52542), (1018, 52524), (1021, 52518), (1029, 52503), (1039, 52479), (1041, 52464), (1042, 52461), (1044, 52449), (1054, 52425), (1060, 52404), (1073, 52377), (1084, 52353),

Gene: PherrisBueller_44 Start: 33917, Stop: 32091, Start Num: 254
Candidate Starts for PherrisBueller_44:
(Start: 254 @33917 has 935 MA's), (391, 33704), (400, 33689), (426, 33641), (436, 33611), (443, 33590), (449, 33584), (455, 33575), (504, 33458), (514, 33431), (591, 33338), (596, 33323), (639, 33239), (641, 33236), (680, 33170), (701, 33140), (711, 33110), (734, 33065), (755, 33026), (819, 32846), (834, 32798), (847, 32759), (862, 32693), (875, 32654), (899, 32633), (904, 32612), (910, 32594), (935, 32528), (1003, 32378), (1004, 32375), (1012, 32339), (1029, 32315), (1034, 32306), (1038, 32294), (1043, 32267), (1060, 32219), (1071, 32198),

Gene: Phiderman_39 Start: 28927, Stop: 27062, Start Num: 339
Candidate Starts for Phiderman_39:
(Start: 275 @29014 has 3 MA's), (Start: 277 @29011 has 1 MA's), (Start: 339 @28927 has 121 MA's), (Start: 342 @28918 has 5 MA's), (392, 28813), (398, 28804), (418, 28774), (419, 28771), (472, 28651), (476, 28639), (478, 28633), (518, 28528), (525, 28501), (582, 28360), (587, 28354), (588, 28351), (591, 28339), (600, 28312), (601, 28309), (612, 28294), (634, 28288), (637, 28282), (657, 28249), (749, 28060), (855, 27745), (858, 27736), (859, 27733), (862, 27715), (876, 27673), (880, 27667), (884, 27658), (895, 27643), (912, 27586), (970, 27427), (982, 27397), (985, 27388), (1004, 27328), (1007, 27304), (1025, 27265), (1039, 27232), (1040, 27220), (1058, 27160),

Gene: PhigPhack_43 Start: 29405, Stop: 31279, Start Num: 241
Candidate Starts for PhigPhack_43:
(Start: 241 @29405 has 65 MA's), (Start: 299 @29474 has 1 MA's), (315, 29495), (455, 29741), (464, 29756), (474, 29783), (647, 30077), (719, 30212), (766, 30311), (804, 30434), (819, 30494), (822, 30500), (836, 30545), (843, 30560), (845, 30575), (853, 30611), (862, 30647), (903, 30740), (936, 30833), (967, 30911), (1003, 30983), (1012, 31022), (1037, 31064), (1040, 31082), (1053, 31118), (1060, 31142), (1071, 31163),

Gene: Phighter1804_45 Start: 31612, Stop: 29786, Start Num: 254
Candidate Starts for Phighter1804_45:
(Start: 254 @31612 has 935 MA's), (271, 31591), (289, 31561), (305, 31531), (413, 31369), (421, 31351), (449, 31279), (455, 31270), (505, 31150), (514, 31126), (591, 31033), (611, 30985), (626, 30964), (647, 30925), (719, 30793), (732, 30772), (755, 30727), (759, 30715), (815, 30562), (819, 30541), (855, 30418), (862, 30388), (875, 30349), (904, 30283), (905, 30280), (910, 30265), (920, 30241), (929, 30217), (1007, 30010), (1060, 29875), (1065, 29863), (1071, 29854),

Gene: Phillis_44 Start: 30925, Stop: 29081, Start Num: 254
Candidate Starts for Phillis_44:
(Start: 149 @31090 has 1 MA's), (174, 31042), (Start: 254 @30925 has 935 MA's), (289, 30874), (371, 30751), (386, 30721), (413, 30682), (436, 30619), (443, 30598), (449, 30592), (455, 30583), (474, 30541), (494, 30490), (514, 30439), (591, 30343), (595, 30331), (600, 30316), (606, 30298), (609, 30295), (618, 30286), (647, 30232), (666, 30205), (690, 30157), (719, 30100), (734, 30073), (759, 30022), (768, 30007), (788, 29959), (815, 29860), (819, 29839), (830, 29809), (834, 29791), (836, 29788), (843, 29773), (847, 29752), (850, 29743), (855, 29716), (859, 29704), (862, 29686), (904, 29605), (908, 29593), (929, 29539), (941, 29503), (953, 29467), (971, 29434), (983, 29413), (985, 29407), (1004, 29368), (1018, 29329), (1060, 29212), (1065, 29200),

Gene: Philly_57 Start: 53504, Stop: 51687, Start Num: 256
Candidate Starts for Philly_57:

(137, 53687), (Start: 256 @53504 has 51 MA's), (280, 53474), (391, 53294), (463, 53141), (467, 53129), (481, 53099), (489, 53093), (511, 53030), (513, 53024), (567, 52973), (588, 52946), (590, 52937), (609, 52889), (671, 52784), (718, 52688), (747, 52637), (796, 52493), (806, 52454), (814, 52424), (820, 52397), (824, 52385), (854, 52289), (856, 52283), (859, 52274), (861, 52262), (893, 52190), (904, 52160), (910, 52142), (915, 52133), (939, 52064), (944, 52052), (950, 52031), (985, 51962), (996, 51947), (1004, 51923), (1007, 51902), (1018, 51884), (1021, 51878), (1037, 51845), (1039, 51839), (1042, 51821), (1044, 51809), (1050, 51797), (1054, 51785), (1070, 51743), (1084, 51713),

Gene: PhillyPhantom_38 Start: 29037, Stop: 27172, Start Num: 339
Candidate Starts for PhillyPhantom_38:
(Start: 339 @29037 has 121 MA's), (Start: 342 @29028 has 5 MA's), (471, 28764), (476, 28749), (478, 28743), (525, 28611), (540, 28557), (582, 28470), (588, 28461), (591, 28449), (600, 28422), (601, 28419), (612, 28404), (634, 28398), (654, 28362), (680, 28317), (789, 28068), (855, 27855), (858, 27846), (859, 27843), (862, 27825), (876, 27783), (897, 27753), (912, 27696), (970, 27537), (982, 27507), (1004, 27438), (1007, 27414), (1025, 27375), (1040, 27330),

Gene: PhineBark_44 Start: 35454, Stop: 33628, Start Num: 254
Candidate Starts for PhineBark_44:
(Start: 254 @35454 has 935 MA's), (391, 35241), (400, 35226), (426, 35178), (436, 35148), (443, 35127), (449, 35121), (455, 35112), (504, 34995), (514, 34968), (591, 34875), (596, 34860), (603, 34839), (639, 34776), (641, 34773), (680, 34707), (701, 34677), (711, 34647), (734, 34602), (755, 34563), (819, 34383), (830, 34353), (834, 34335), (847, 34296), (862, 34230), (904, 34149), (905, 34146), (935, 34065), (1003, 33915), (1004, 33912), (1012, 33876), (1029, 33852), (1034, 33843), (1038, 33831), (1060, 33756), (1071, 33735),

Gene: Phipps_60 Start: 53823, Stop: 51964, Start Num: 215
Candidate Starts for Phipps_60:
(Start: 198 @53847 has 1 MA's), (Start: 215 @53823 has 328 MA's), (Start: 245 @53799 has 14 MA's), (Start: 258 @53793 has 2 MA's), (Start: 288 @53751 has 1 MA's), (300, 53730), (360, 53616), (363, 53610), (382, 53580), (418, 53520), (425, 53499), (442, 53445), (454, 53433), (464, 53415), (469, 53403), (511, 53298), (567, 53241), (590, 53205), (594, 53193), (605, 53166), (620, 53139), (630, 53121), (641, 53103), (666, 53064), (670, 53055), (671, 53052), (783, 52794), (813, 52692), (820, 52659), (827, 52638), (856, 52545), (859, 52536), (881, 52473), (904, 52437), (905, 52434), (910, 52419), (939, 52341), (944, 52329), (950, 52308), (970, 52269), (1007, 52179), (1018, 52161), (1021, 52155), (1029, 52140), (1039, 52116), (1041, 52101), (1042, 52098), (1044, 52086), (1054, 52062), (1073, 52014), (1084, 51990),

Gene: Phireproof_39 Start: 28936, Stop: 27071, Start Num: 339
Candidate Starts for Phireproof_39:
(Start: 275 @29023 has 3 MA's), (Start: 277 @29020 has 1 MA's), (Start: 339 @28936 has 121 MA's), (Start: 342 @28927 has 5 MA's), (392, 28822), (398, 28813), (418, 28783), (419, 28780), (472, 28660), (476, 28648), (478, 28642), (518, 28537), (525, 28510), (582, 28369), (587, 28363), (588, 28360), (591, 28348), (600, 28321), (601, 28318), (612, 28303), (634, 28297), (637, 28291), (657, 28258), (749, 28069), (855, 27754), (858, 27745), (859, 27742), (862, 27724), (876, 27682), (880, 27676), (895, 27652), (912, 27595), (970, 27436), (982, 27406), (985, 27397), (1004, 27337), (1007, 27313), (1025, 27274), (1039, 27241), (1040, 27229), (1058, 27169),

Gene: Phisb_43 Start: 29630, Stop: 31504, Start Num: 241
Candidate Starts for Phisb_43:
(Start: 238 @29627 has 7 MA's), (Start: 241 @29630 has 65 MA's), (Start: 299 @29699 has 1 MA's), (315, 29720), (386, 29837), (426, 29900), (455, 29966), (474, 30008), (647, 30302), (719, 30437), (766, 30536), (804, 30659), (819, 30719), (822, 30725), (836, 30770), (845, 30800), (853, 30836),

(862, 30872), (903, 30965), (936, 31058), (967, 31136), (1003, 31208), (1012, 31247), (1037, 31289), (1040, 31307), (1060, 31367), (1071, 31388),

Gene: PhishRPhriends_46 Start: 30931, Stop: 29117, Start Num: 254
Candidate Starts for PhishRPhriends_46:
(Start: 254 @30931 has 935 MA's), (284, 30892), (289, 30880), (386, 30727), (395, 30712), (426, 30655), (449, 30598), (455, 30589), (474, 30547), (494, 30496), (514, 30445), (591, 30352), (609, 30304), (626, 30280), (647, 30241), (666, 30214), (680, 30184), (727, 30091), (734, 30079), (758, 30031), (767, 30016), (819, 29860), (836, 29809), (846, 29776), (847, 29773), (862, 29707), (875, 29668), (905, 29596), (920, 29557), (929, 29533), (935, 29515), (946, 29482), (985, 29401), (1007, 29341), (1018, 29323), (1041, 29263), (1043, 29254), (1060, 29206), (1065, 29194), (1071, 29185),

Gene: Phives_43 Start: 31162, Stop: 33027, Start Num: 254
Candidate Starts for Phives_43:
(Start: 254 @31162 has 935 MA's), (Start: 288 @31210 has 1 MA's), (386, 31366), (436, 31459), (479, 31549), (593, 31756), (641, 31855), (647, 31864), (657, 31879), (666, 31891), (708, 31969), (732, 32017), (759, 32074), (788, 32155), (819, 32275), (830, 32305), (847, 32362), (862, 32428), (903, 32521), (929, 32593), (971, 32701), (1003, 32764), (1060, 32923), (1064, 32932), (1099, 33010),

Gene: Phlei_33 Start: 30919, Stop: 29120, Start Num: 254
Candidate Starts for Phlei_33:
(Start: 254 @30919 has 935 MA's), (334, 30808), (338, 30802), (371, 30745), (386, 30715), (396, 30697), (427, 30637), (436, 30610), (449, 30583), (494, 30481), (514, 30430), (588, 30349), (591, 30337), (603, 30301), (609, 30289), (666, 30199), (703, 30133), (739, 30049), (783, 29971), (784, 29968), (815, 29857), (819, 29836), (836, 29785), (847, 29749), (859, 29701), (862, 29683), (875, 29644), (904, 29602), (917, 29569), (1003, 29368), (1007, 29344), (1012, 29329), (1021, 29320), (1037, 29287), (1060, 29209), (1065, 29197), (1071, 29188), (1091, 29140),

Gene: Phleuron_61 Start: 54187, Stop: 52328, Start Num: 215
Candidate Starts for Phleuron_61:
(Start: 198 @54211 has 1 MA's), (Start: 215 @54187 has 328 MA's), (Start: 245 @54163 has 14 MA's), (Start: 258 @54157 has 2 MA's), (Start: 288 @54115 has 1 MA's), (300, 54094), (360, 53980), (363, 53974), (382, 53944), (418, 53884), (425, 53863), (442, 53809), (454, 53797), (464, 53779), (469, 53767), (511, 53662), (567, 53605), (590, 53569), (594, 53557), (603, 53533), (609, 53521), (620, 53503), (630, 53485), (641, 53467), (666, 53428), (670, 53419), (671, 53416), (673, 53413), (813, 53056), (820, 53023), (827, 53002), (856, 52909), (859, 52900), (881, 52837), (904, 52801), (905, 52798), (910, 52783), (939, 52705), (944, 52693), (950, 52672), (970, 52633), (1007, 52543), (1018, 52525), (1021, 52519), (1029, 52504), (1039, 52480), (1041, 52465), (1042, 52462), (1044, 52450), (1054, 52426), (1073, 52378), (1084, 52354),

Gene: Phlippers_43 Start: 35349, Stop: 33523, Start Num: 254
Candidate Starts for Phlippers_43:
(Start: 254 @35349 has 935 MA's), (391, 35136), (400, 35121), (426, 35073), (436, 35043), (443, 35022), (449, 35016), (455, 35007), (504, 34890), (514, 34863), (591, 34770), (596, 34755), (639, 34671), (641, 34668), (680, 34602), (701, 34572), (711, 34542), (734, 34497), (755, 34458), (819, 34278), (834, 34230), (847, 34191), (862, 34125), (875, 34086), (899, 34065), (904, 34044), (910, 34026), (935, 33960), (1003, 33810), (1004, 33807), (1012, 33771), (1029, 33747), (1034, 33738), (1038, 33726), (1052, 33678), (1060, 33651), (1071, 33630),

Gene: Phlorence_37 Start: 30134, Stop: 28275, Start Num: 254
Candidate Starts for Phlorence_37:
(Start: 254 @30134 has 935 MA's), (289, 30083), (334, 30023), (371, 29960), (386, 29930), (388, 29927), (422, 29870), (426, 29858), (436, 29828), (449, 29801), (514, 29648), (591, 29552), (609,

29504), (625, 29483), (659, 29420), (666, 29414), (706, 29342), (719, 29309), (727, 29294), (734, 29282), (783, 29183), (819, 29048), (830, 29018), (834, 29000), (843, 28982), (847, 28961), (850, 28952), (862, 28895), (875, 28856), (904, 28814), (910, 28796), (929, 28748), (946, 28697), (971, 28643), (975, 28634), (985, 28616), (1007, 28556), (1018, 28538), (1053, 28445), (1060, 28421), (1065, 28409), (1116, 28292), (1118, 28289),

Gene: Phlyer_58 Start: 54386, Stop: 52569, Start Num: 256
Candidate Starts for Phlyer_58:
(137, 54569), (Start: 256 @54386 has 51 MA's), (280, 54356), (391, 54176), (463, 54023), (467, 54011), (481, 53981), (489, 53975), (511, 53912), (513, 53906), (567, 53855), (588, 53828), (590, 53819), (609, 53771), (671, 53666), (718, 53570), (747, 53519), (796, 53375), (806, 53336), (814, 53306), (820, 53279), (824, 53267), (854, 53171), (856, 53165), (859, 53156), (861, 53144), (893, 53072), (904, 53042), (910, 53024), (915, 53015), (939, 52946), (944, 52934), (950, 52913), (985, 52844), (996, 52829), (1004, 52805), (1007, 52784), (1018, 52766), (1021, 52760), (1037, 52727), (1039, 52721), (1042, 52703), (1044, 52691), (1050, 52679), (1054, 52667), (1070, 52625), (1084, 52595),

Gene: Phoebe_49 Start: 31845, Stop: 30031, Start Num: 254
Candidate Starts for Phoebe_49:
(Start: 254 @31845 has 935 MA's), (284, 31806), (289, 31794), (386, 31641), (395, 31626), (426, 31569), (449, 31512), (455, 31503), (474, 31461), (494, 31410), (514, 31359), (591, 31266), (609, 31218), (618, 31209), (626, 31194), (647, 31155), (666, 31128), (680, 31098), (727, 31005), (758, 30945), (767, 30930), (819, 30774), (847, 30687), (862, 30621), (875, 30582), (905, 30510), (920, 30471), (929, 30447), (935, 30429), (946, 30396), (956, 30369), (985, 30315), (1007, 30255), (1041, 30177), (1060, 30120), (1065, 30108), (1071, 30099),

Gene: Phonnegut_45 Start: 31538, Stop: 29745, Start Num: 254
Candidate Starts for Phonnegut_45:
(Start: 254 @31538 has 935 MA's), (261, 31529), (289, 31487), (369, 31367), (371, 31364), (396, 31316), (427, 31256), (437, 31226), (441, 31214), (449, 31202), (514, 31049), (591, 30956), (666, 30818), (680, 30788), (759, 30629), (767, 30617), (785, 30590), (815, 30482), (819, 30461), (859, 30326), (862, 30308), (904, 30227), (920, 30185), (946, 30110), (983, 30035), (1003, 29993), (1041, 29891), (1060, 29834), (1065, 29822), (1071, 29813),

Gene: Phontbonne_45 Start: 31461, Stop: 29635, Start Num: 254
Candidate Starts for Phontbonne_45:
(Start: 254 @31461 has 935 MA's), (271, 31440), (289, 31410), (305, 31380), (413, 31218), (421, 31200), (449, 31128), (455, 31119), (505, 30999), (514, 30975), (591, 30882), (611, 30834), (626, 30813), (647, 30774), (719, 30642), (732, 30621), (755, 30576), (759, 30564), (815, 30411), (819, 30390), (855, 30267), (862, 30237), (875, 30198), (904, 30132), (905, 30129), (910, 30114), (920, 30090), (929, 30066), (1007, 29859), (1060, 29724), (1065, 29712), (1071, 29703),

Gene: Phoxy_48 Start: 31881, Stop: 30067, Start Num: 254
Candidate Starts for Phoxy_48:
(Start: 254 @31881 has 935 MA's), (284, 31842), (289, 31830), (386, 31677), (395, 31662), (426, 31605), (449, 31548), (455, 31539), (474, 31497), (494, 31446), (514, 31395), (568, 31341), (591, 31302), (609, 31254), (626, 31230), (647, 31191), (666, 31164), (680, 31134), (727, 31041), (734, 31029), (758, 30981), (767, 30966), (819, 30810), (836, 30759), (846, 30726), (847, 30723), (862, 30657), (875, 30618), (905, 30546), (920, 30507), (929, 30483), (935, 30465), (946, 30432), (985, 30351), (1007, 30291), (1043, 30204), (1060, 30156), (1065, 30144), (1071, 30135), (1073, 30132),

Gene: Phrampa_92 Start: 80024, Stop: 81826, Start Num: 265
Candidate Starts for Phrampa_92:

(Start: 265 @80024 has 10 MA's), (Start: 282 @80045 has 7 MA's), (300, 80081), (Start: 304 @80087 has 2 MA's), (338, 80135), (349, 80156), (379, 80210), (413, 80255), (418, 80264), (454, 80345), (467, 80372), (470, 80378), (504, 80447), (517, 80483), (591, 80552), (595, 80564), (599, 80576), (632, 80630), (647, 80657), (657, 80672), (755, 80861), (777, 80906), (787, 80930), (790, 80939), (795, 80957), (803, 80990), (815, 81029), (819, 81050), (822, 81056), (853, 81170), (856, 81179), (874, 81254), (884, 81272), (903, 81320), (906, 81332), (920, 81368), (932, 81401), (935, 81410), (950, 81455), (958, 81473), (996, 81557), (1003, 81578), (1008, 81605), (1040, 81677), (1045, 81701), (1060, 81737), (1085, 81788),

Gene: PhrankReynolds_60 Start: 54191, Stop: 52332, Start Num: 215
Candidate Starts for PhrankReynolds_60:
(Start: 198 @54215 has 1 MA's), (Start: 215 @54191 has 328 MA's), (Start: 245 @54167 has 14 MA's), (Start: 258 @54161 has 2 MA's), (Start: 288 @54119 has 1 MA's), (300, 54098), (360, 53984), (363, 53978), (382, 53948), (418, 53888), (425, 53867), (442, 53813), (454, 53801), (464, 53783), (469, 53771), (511, 53666), (567, 53609), (590, 53573), (594, 53561), (603, 53537), (609, 53525), (620, 53507), (630, 53489), (641, 53471), (666, 53432), (670, 53423), (671, 53420), (673, 53417), (783, 53162), (813, 53060), (820, 53027), (827, 53006), (856, 52913), (859, 52904), (881, 52841), (904, 52805), (905, 52802), (910, 52787), (939, 52709), (944, 52697), (950, 52676), (970, 52637), (1007, 52547), (1018, 52529), (1021, 52523), (1029, 52508), (1039, 52484), (1041, 52469), (1042, 52466), (1044, 52454), (1054, 52430), (1060, 52409), (1073, 52382), (1084, 52358),

Gene: Phrankenstein_36 Start: 28059, Stop: 26275, Start Num: 254
Candidate Starts for Phrankenstein_36:
(Start: 254 @28059 has 935 MA's), (407, 27825), (422, 27795), (425, 27786), (426, 27783), (441, 27738), (449, 27726), (474, 27675), (514, 27573), (548, 27552), (591, 27480), (606, 27435), (609, 27432), (636, 27390), (638, 27384), (647, 27369), (666, 27342), (719, 27237), (725, 27228), (734, 27210), (735, 27207), (755, 27171), (787, 27114), (819, 26991), (834, 26943), (862, 26838), (863, 26835), (899, 26778), (904, 26757), (923, 26709), (948, 26634), (983, 26565), (1003, 26523), (1007, 26499), (1041, 26421), (1060, 26364), (1065, 26352), (1071, 26343), (1085, 26313), (1091, 26295),

Gene: Phranny_49 Start: 31739, Stop: 29925, Start Num: 254
Candidate Starts for Phranny_49:
(Start: 254 @31739 has 935 MA's), (284, 31700), (289, 31688), (386, 31535), (395, 31520), (426, 31463), (449, 31406), (455, 31397), (474, 31355), (494, 31304), (514, 31253), (591, 31160), (609, 31112), (626, 31088), (647, 31049), (666, 31022), (680, 30992), (727, 30899), (734, 30887), (758, 30839), (767, 30824), (819, 30668), (836, 30617), (846, 30584), (847, 30581), (862, 30515), (875, 30476), (905, 30404), (920, 30365), (929, 30341), (935, 30323), (946, 30290), (985, 30209), (1007, 30149), (1018, 30131), (1041, 30071), (1043, 30062), (1060, 30014), (1065, 30002), (1071, 29993),

Gene: PhredFlintston_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for PhredFlintston_39:
(Start: 275 @29017 has 3 MA's), (Start: 277 @29014 has 1 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (749, 28063), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (884, 27661), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: Phriends_39 Start: 28936, Stop: 27071, Start Num: 339
Candidate Starts for Phriends_39:
(Start: 275 @29023 has 3 MA's), (Start: 339 @28936 has 121 MA's), (Start: 342 @28927 has 5 MA's), (392, 28822), (398, 28813), (418, 28783), (419, 28780), (472, 28660), (476, 28648), (478, 28642),

(518, 28537), (525, 28510), (582, 28369), (587, 28363), (588, 28360), (591, 28348), (600, 28321), (601, 28318), (612, 28303), (634, 28297), (637, 28291), (657, 28258), (725, 28129), (749, 28069), (855, 27754), (858, 27745), (859, 27742), (862, 27724), (876, 27682), (880, 27676), (884, 27667), (895, 27652), (912, 27595), (970, 27436), (982, 27406), (985, 27397), (1004, 27337), (1007, 27313), (1025, 27274), (1039, 27241), (1040, 27229), (1058, 27169),

Gene: PhrodoBaggins_61 Start: 54411, Stop: 52552, Start Num: 215
Candidate Starts for PhrodoBaggins_61:
(Start: 198 @54435 has 1 MA's), (Start: 215 @54411 has 328 MA's), (Start: 245 @54387 has 14 MA's), (Start: 258 @54381 has 2 MA's), (Start: 288 @54339 has 1 MA's), (300, 54318), (360, 54204), (363, 54198), (382, 54168), (418, 54108), (425, 54087), (442, 54033), (454, 54021), (464, 54003), (469, 53991), (511, 53886), (567, 53829), (590, 53793), (594, 53781), (605, 53754), (620, 53727), (630, 53709), (641, 53691), (666, 53652), (670, 53643), (671, 53640), (673, 53637), (813, 53280), (820, 53247), (827, 53226), (856, 53133), (859, 53124), (881, 53061), (904, 53025), (905, 53022), (910, 53007), (939, 52929), (944, 52917), (950, 52896), (970, 52857), (1007, 52767), (1018, 52749), (1021, 52743), (1029, 52728), (1039, 52704), (1041, 52689), (1042, 52686), (1044, 52674), (1054, 52650), (1073, 52602), (1084, 52578),

Gene: Phroglets_31 Start: 31286, Stop: 29427, Start Num: 248
Candidate Starts for Phroglets_31:
(Start: 248 @31286 has 1 MA's), (279, 31253), (290, 31229), (315, 31196), (380, 31082), (437, 30962), (450, 30932), (480, 30860), (508, 30803), (552, 30752), (561, 30734), (563, 30731), (565, 30728), (640, 30572), (643, 30566), (646, 30563), (650, 30557), (674, 30512), (684, 30488), (715, 30428), (719, 30419), (724, 30410), (726, 30404), (761, 30323), (788, 30266), (804, 30206), (843, 30065), (852, 30020), (875, 29933), (885, 29915), (921, 29849), (970, 29726), (1012, 29615), (1031, 29594), (1035, 29579), (1037, 29573), (1040, 29555), (1060, 29495),

Gene: PhrostyMug_44 Start: 34431, Stop: 32605, Start Num: 254
Candidate Starts for PhrostyMug_44:
(Start: 254 @34431 has 935 MA's), (391, 34218), (400, 34203), (436, 34125), (443, 34104), (449, 34098), (455, 34089), (504, 33972), (514, 33945), (591, 33852), (596, 33837), (603, 33816), (609, 33804), (639, 33753), (641, 33750), (680, 33684), (701, 33654), (711, 33624), (734, 33579), (755, 33540), (819, 33360), (830, 33330), (834, 33312), (847, 33273), (862, 33207), (904, 33126), (905, 33123), (935, 33042), (1003, 32892), (1004, 32889), (1012, 32853), (1029, 32829), (1034, 32820), (1038, 32808), (1043, 32781), (1060, 32733), (1071, 32712),

Gene: Phunky_59 Start: 54049, Stop: 52190, Start Num: 215
Candidate Starts for Phunky_59:
(Start: 198 @54073 has 1 MA's), (Start: 215 @54049 has 328 MA's), (Start: 245 @54025 has 14 MA's), (Start: 258 @54019 has 2 MA's), (Start: 288 @53977 has 1 MA's), (300, 53956), (360, 53842), (363, 53836), (382, 53806), (418, 53746), (425, 53725), (442, 53671), (454, 53659), (464, 53641), (469, 53629), (511, 53524), (567, 53467), (590, 53431), (594, 53419), (603, 53395), (609, 53383), (620, 53365), (630, 53347), (641, 53329), (666, 53290), (670, 53281), (671, 53278), (673, 53275), (813, 52918), (820, 52885), (827, 52864), (856, 52771), (859, 52762), (881, 52699), (904, 52663), (905, 52660), (910, 52645), (939, 52567), (944, 52555), (950, 52534), (970, 52495), (1007, 52405), (1018, 52387), (1021, 52381), (1029, 52366), (1039, 52342), (1041, 52327), (1042, 52324), (1044, 52312), (1054, 52288), (1073, 52240), (1084, 52216),

Gene: PickleBack_38 Start: 30260, Stop: 28416, Start Num: 254
Candidate Starts for PickleBack_38:
(Start: 254 @30260 has 935 MA's), (289, 30209), (334, 30149), (371, 30086), (386, 30056), (388, 30053), (422, 29996), (426, 29984), (436, 29954), (449, 29927), (494, 29825), (501, 29810), (514, 29774), (571, 29714), (591, 29678), (609, 29630), (659, 29546), (666, 29540), (706, 29468), (719,

29435), (727, 29420), (734, 29408), (783, 29309), (819, 29174), (830, 29144), (834, 29126), (836, 29123), (847, 29087), (850, 29078), (853, 29057), (856, 29048), (862, 29021), (863, 29018), (899, 28961), (904, 28940), (946, 28823), (971, 28769), (975, 28760), (985, 28742), (1018, 28664), (1040, 28607), (1053, 28571), (1060, 28547), (1065, 28535),

Gene: PigHeaded_40 Start: 32631, Stop: 30790, Start Num: 304
Candidate Starts for PigHeaded_40:
(220, 32733), (226, 32721), (278, 32670), (Start: 304 @32631 has 2 MA's), (374, 32511), (377, 32505), (444, 32349), (459, 32334), (480, 32298), (555, 32199), (558, 32190), (561, 32184), (578, 32163), (585, 32148), (605, 32091), (631, 32037), (650, 32004), (761, 31779), (768, 31761), (804, 31650), (827, 31569), (875, 31377), (921, 31293), (933, 31260), (935, 31254), (1012, 31059), (1035, 31017), (1037, 31011), (1045, 30969), (1058, 30942), (1060, 30933), (1070, 30900), (1088, 30855), (1108, 30804), (1111, 30795),

Gene: Piglet_0060 Start: 54547, Stop: 52664, Start Num: 198
Candidate Starts for Piglet_0060:
(Start: 198 @54547 has 1 MA's), (Start: 215 @54523 has 328 MA's), (Start: 245 @54499 has 14 MA's), (Start: 258 @54493 has 2 MA's), (Start: 288 @54451 has 1 MA's), (300, 54430), (360, 54316), (363, 54310), (382, 54280), (418, 54220), (425, 54199), (442, 54145), (454, 54133), (464, 54115), (469, 54103), (511, 53998), (567, 53941), (590, 53905), (594, 53893), (605, 53866), (620, 53839), (630, 53821), (641, 53803), (666, 53764), (670, 53755), (671, 53752), (783, 53494), (813, 53392), (820, 53359), (827, 53338), (856, 53245), (859, 53236), (881, 53173), (904, 53137), (905, 53134), (910, 53119), (939, 53041), (944, 53029), (950, 53008), (970, 52969), (1007, 52879), (1018, 52861), (1021, 52855), (1029, 52840), (1039, 52816), (1041, 52801), (1042, 52798), (1044, 52786), (1054, 52762), (1073, 52714), (1084, 52690),

Gene: Pikmin_35 Start: 27722, Stop: 25905, Start Num: 336
Candidate Starts for Pikmin_35:
(Start: 336 @27722 has 4 MA's), (343, 27707), (476, 27431), (478, 27425), (540, 27290), (545, 27275), (587, 27197), (588, 27194), (591, 27182), (601, 27152), (654, 27095), (731, 26948), (798, 26768), (845, 26630), (858, 26579), (859, 26576), (862, 26558), (863, 26555), (876, 26516), (912, 26429), (918, 26402), (970, 26270), (1007, 26147), (1022, 26114), (1025, 26108), (1032, 26099), (1058, 26003), (1059, 25997),

Gene: Pine5_49 Start: 43969, Stop: 42167, Start Num: 244
Candidate Starts for Pine5_49:
(244, 43969), (Start: 288 @43918 has 1 MA's), (395, 43756), (442, 43642), (455, 43627), (469, 43603), (470, 43600), (474, 43591), (481, 43576), (487, 43573), (494, 43549), (496, 43543), (498, 43537), (502, 43531), (506, 43519), (513, 43501), (514, 43498), (654, 43291), (663, 43279), (671, 43261), (684, 43231), (693, 43216), (706, 43195), (747, 43120), (775, 43036), (781, 43027), (827, 42856), (848, 42799), (859, 42754), (920, 42613), (939, 42559), (944, 42547), (994, 42436), (1039, 42322), (1041, 42307), (1054, 42268), (1060, 42247), (1091, 42172),

Gene: PinheadLarry_61 Start: 54548, Stop: 52689, Start Num: 215
Candidate Starts for PinheadLarry_61:
(Start: 198 @54572 has 1 MA's), (Start: 215 @54548 has 328 MA's), (Start: 245 @54524 has 14 MA's), (Start: 258 @54518 has 2 MA's), (Start: 288 @54476 has 1 MA's), (300, 54455), (360, 54341), (363, 54335), (382, 54305), (418, 54245), (425, 54224), (442, 54170), (454, 54158), (464, 54140), (469, 54128), (511, 54023), (567, 53966), (590, 53930), (594, 53918), (605, 53891), (620, 53864), (630, 53846), (641, 53828), (666, 53789), (670, 53780), (671, 53777), (783, 53519), (813, 53417), (820, 53384), (827, 53363), (856, 53270), (859, 53261), (881, 53198), (904, 53162), (905, 53159), (910, 53144), (939, 53066), (944, 53054), (950, 53033), (970, 52994), (1007, 52904), (1018, 52886), (1021, 52880), (1029, 52865), (1039, 52841), (1041, 52826), (1042, 52823), (1044, 52811), (1054,

52787), (1073, 52739), (1084, 52715),

Gene: PinkPlastic_43 Start: 34151, Stop: 32325, Start Num: 254
Candidate Starts for PinkPlastic_43:
(Start: 254 @34151 has 935 MA's), (391, 33938), (400, 33923), (426, 33875), (436, 33845), (443, 33824), (449, 33818), (455, 33809), (474, 33767), (504, 33692), (514, 33665), (591, 33572), (596, 33557), (609, 33524), (639, 33473), (641, 33470), (680, 33404), (701, 33374), (711, 33344), (734, 33299), (755, 33260), (819, 33080), (834, 33032), (847, 32993), (862, 32927), (875, 32888), (899, 32867), (904, 32846), (910, 32828), (935, 32762), (1003, 32612), (1004, 32609), (1012, 32573), (1034, 32540), (1038, 32528), (1043, 32501), (1060, 32453), (1071, 32432),

Gene: Pinkman_60 Start: 54129, Stop: 52270, Start Num: 215
Candidate Starts for Pinkman_60:
(Start: 198 @54153 has 1 MA's), (Start: 215 @54129 has 328 MA's), (Start: 245 @54105 has 14 MA's), (Start: 258 @54099 has 2 MA's), (Start: 288 @54057 has 1 MA's), (300, 54036), (360, 53922), (363, 53916), (382, 53886), (418, 53826), (425, 53805), (442, 53751), (454, 53739), (464, 53721), (469, 53709), (511, 53604), (567, 53547), (590, 53511), (594, 53499), (605, 53472), (630, 53427), (666, 53370), (670, 53361), (671, 53358), (783, 53100), (813, 52998), (820, 52965), (827, 52944), (856, 52851), (859, 52842), (881, 52779), (904, 52743), (905, 52740), (910, 52725), (939, 52647), (944, 52635), (950, 52614), (970, 52575), (1007, 52485), (1018, 52467), (1021, 52461), (1029, 52446), (1039, 52422), (1041, 52407), (1042, 52404), (1044, 52392), (1054, 52368), (1060, 52347), (1073, 52320), (1084, 52296), (1089, 52281),

Gene: Pinto_45 Start: 34258, Stop: 32429, Start Num: 254
Candidate Starts for Pinto_45:
(Start: 254 @34258 has 935 MA's), (391, 34045), (400, 34030), (426, 33982), (436, 33952), (443, 33931), (449, 33925), (455, 33916), (504, 33799), (514, 33772), (591, 33679), (596, 33664), (609, 33631), (639, 33580), (641, 33577), (675, 33523), (680, 33511), (701, 33481), (711, 33451), (734, 33406), (755, 33367), (819, 33187), (834, 33139), (850, 33091), (859, 33052), (862, 33034), (875, 32995), (899, 32974), (904, 32953), (909, 32938), (953, 32815), (1035, 32644), (1040, 32620), (1057, 32572), (1060, 32560), (1071, 32539), (1075, 32533), (1094, 32485), (1101, 32470),

Gene: Pioneer_45 Start: 31538, Stop: 29745, Start Num: 254
Candidate Starts for Pioneer_45:
(Start: 254 @31538 has 935 MA's), (261, 31529), (289, 31487), (369, 31367), (371, 31364), (396, 31316), (427, 31256), (437, 31226), (441, 31214), (449, 31202), (514, 31049), (591, 30956), (666, 30818), (680, 30788), (759, 30629), (767, 30617), (785, 30590), (815, 30482), (819, 30461), (859, 30326), (862, 30308), (904, 30227), (920, 30185), (946, 30110), (983, 30035), (1003, 29993), (1041, 29891), (1060, 29834), (1065, 29822), (1071, 29813),

Gene: Pipcraft_43 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Pipcraft_43:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Pipefish_59 Start: 54415, Stop: 52598, Start Num: 256
Candidate Starts for Pipefish_59:
(137, 54598), (Start: 256 @54415 has 51 MA's), (280, 54385), (391, 54205), (463, 54052), (467, 54040), (481, 54010), (489, 54004), (511, 53941), (513, 53935), (567, 53884), (590, 53848), (609, 53800), (671, 53695), (718, 53599), (747, 53548), (796, 53404), (806, 53365), (814, 53335), (820,

53308), (824, 53296), (854, 53200), (856, 53194), (859, 53185), (861, 53173), (893, 53101), (904, 53071), (910, 53053), (915, 53044), (939, 52975), (944, 52963), (950, 52942), (985, 52873), (996, 52858), (1004, 52834), (1021, 52789), (1037, 52756), (1039, 52750), (1042, 52732), (1044, 52720), (1050, 52708), (1054, 52696), (1070, 52654), (1084, 52624),

Gene: Pippin_47 Start: 35168, Stop: 33381, Start Num: 254
Candidate Starts for Pippin_47:
(Start: 254 @35168 has 935 MA's), (391, 34955), (400, 34940), (426, 34892), (436, 34862), (443, 34841), (449, 34835), (455, 34826), (504, 34709), (514, 34682), (591, 34589), (596, 34574), (609, 34541), (639, 34490), (641, 34487), (680, 34421), (701, 34391), (711, 34361), (734, 34316), (755, 34277), (819, 34097), (834, 34049), (847, 34010), (862, 33944), (902, 33872), (904, 33863), (935, 33779), (971, 33692), (1029, 33566), (1035, 33554), (1060, 33470), (1063, 33464),

Gene: Pipsqueak_59 Start: 53979, Stop: 52120, Start Num: 215
Candidate Starts for Pipsqueak_59:
(Start: 198 @54003 has 1 MA's), (Start: 215 @53979 has 328 MA's), (Start: 245 @53955 has 14 MA's), (Start: 258 @53949 has 2 MA's), (Start: 288 @53907 has 1 MA's), (300, 53886), (360, 53772), (363, 53766), (382, 53736), (418, 53676), (425, 53655), (442, 53601), (454, 53589), (464, 53571), (469, 53559), (511, 53454), (567, 53397), (590, 53361), (594, 53349), (603, 53325), (609, 53313), (620, 53295), (630, 53277), (641, 53259), (666, 53220), (670, 53211), (671, 53208), (673, 53205), (813, 52848), (820, 52815), (827, 52794), (856, 52701), (859, 52692), (881, 52629), (904, 52593), (905, 52590), (910, 52575), (939, 52497), (944, 52485), (950, 52464), (970, 52425), (1007, 52335), (1018, 52317), (1021, 52311), (1029, 52296), (1039, 52272), (1041, 52257), (1042, 52254), (1044, 52242), (1054, 52218), (1073, 52170), (1084, 52146),

Gene: Piro94_44 Start: 31722, Stop: 29935, Start Num: 254
Candidate Starts for Piro94_44:
(Start: 254 @31722 has 935 MA's), (386, 31518), (388, 31515), (391, 31509), (413, 31479), (426, 31446), (427, 31443), (436, 31416), (449, 31389), (474, 31338), (514, 31236), (591, 31143), (609, 31095), (618, 31086), (626, 31071), (666, 31005), (708, 30924), (732, 30876), (798, 30732), (819, 30651), (836, 30600), (846, 30567), (862, 30498), (875, 30459), (899, 30438), (904, 30417), (908, 30405), (983, 30225), (985, 30219), (1003, 30183), (1007, 30159), (1041, 30081), (1060, 30024), (1065, 30012),

Gene: Pistachio_47 Start: 31102, Stop: 29264, Start Num: 254
Candidate Starts for Pistachio_47:
(Start: 254 @31102 has 935 MA's), (289, 31051), (338, 30985), (386, 30898), (422, 30838), (426, 30826), (449, 30769), (455, 30760), (505, 30640), (514, 30616), (591, 30520), (611, 30472), (647, 30412), (683, 30349), (719, 30280), (732, 30259), (768, 30187), (787, 30145), (798, 30103), (819, 30022), (834, 29974), (855, 29899), (862, 29869), (873, 29839), (905, 29758), (920, 29719), (929, 29695), (935, 29677), (985, 29548), (1007, 29488), (1060, 29353), (1065, 29341), (1071, 29332),

Gene: Pita2_47 Start: 35444, Stop: 33618, Start Num: 254
Candidate Starts for Pita2_47:
(Start: 254 @35444 has 935 MA's), (391, 35231), (400, 35216), (426, 35168), (436, 35138), (443, 35117), (449, 35111), (455, 35102), (504, 34985), (514, 34958), (591, 34865), (596, 34850), (603, 34829), (639, 34766), (641, 34763), (680, 34697), (701, 34667), (711, 34637), (734, 34592), (755, 34553), (819, 34373), (830, 34343), (834, 34325), (836, 34322), (847, 34286), (862, 34220), (875, 34181), (899, 34160), (904, 34139), (910, 34121), (935, 34055), (1003, 33905), (1004, 33902), (1012, 33866), (1034, 33833), (1038, 33821), (1060, 33746), (1071, 33725),

Gene: Pixelle_41 Start: 30386, Stop: 32251, Start Num: 254
Candidate Starts for Pixelle_41:

(Start: 254 @30386 has 935 MA's), (Start: 288 @30434 has 1 MA's), (411, 30617), (415, 30623), (436, 30683), (479, 30773), (593, 30980), (596, 30989), (647, 31088), (657, 31103), (732, 31241), (788, 31379), (812, 31466), (819, 31499), (841, 31562), (847, 31586), (862, 31652), (903, 31745), (971, 31925), (1003, 31988), (1007, 32012), (1060, 32147), (1064, 32156),

Gene: Placalicious_61 Start: 55080, Stop: 53221, Start Num: 215
Candidate Starts for Placalicious_61:
(Start: 198 @55104 has 1 MA's), (Start: 215 @55080 has 328 MA's), (Start: 245 @55056 has 14 MA's), (Start: 258 @55050 has 2 MA's), (Start: 288 @55008 has 1 MA's), (300, 54987), (360, 54873), (363, 54867), (382, 54837), (418, 54777), (425, 54756), (442, 54702), (454, 54690), (464, 54672), (511, 54555), (567, 54498), (590, 54462), (594, 54450), (605, 54423), (620, 54396), (630, 54378), (641, 54360), (666, 54321), (670, 54312), (671, 54309), (783, 54051), (813, 53949), (820, 53916), (827, 53895), (856, 53802), (859, 53793), (881, 53730), (904, 53694), (905, 53691), (910, 53676), (939, 53598), (944, 53586), (950, 53565), (970, 53526), (1007, 53436), (1018, 53418), (1021, 53412), (1029, 53397), (1039, 53373), (1041, 53358), (1042, 53355), (1044, 53343), (1054, 53319), (1073, 53271), (1084, 53247),

Gene: Plata_61 Start: 54281, Stop: 52422, Start Num: 215
Candidate Starts for Plata_61:
(Start: 198 @54305 has 1 MA's), (Start: 215 @54281 has 328 MA's), (Start: 245 @54257 has 14 MA's), (Start: 258 @54251 has 2 MA's), (Start: 288 @54209 has 1 MA's), (300, 54188), (360, 54074), (363, 54068), (382, 54038), (418, 53978), (425, 53957), (442, 53903), (454, 53891), (464, 53873), (469, 53861), (511, 53756), (567, 53699), (590, 53663), (594, 53651), (603, 53627), (609, 53615), (620, 53597), (630, 53579), (641, 53561), (666, 53522), (670, 53513), (671, 53510), (673, 53507), (813, 53150), (820, 53117), (827, 53096), (856, 53003), (859, 52994), (881, 52931), (904, 52895), (905, 52892), (910, 52877), (939, 52799), (944, 52787), (950, 52766), (970, 52727), (1007, 52637), (1018, 52619), (1021, 52613), (1029, 52598), (1039, 52574), (1041, 52559), (1042, 52556), (1044, 52544), (1054, 52520), (1060, 52499), (1073, 52472), (1084, 52448), (1089, 52433),

Gene: Plmatters_59 Start: 54053, Stop: 52194, Start Num: 215
Candidate Starts for Plmatters_59:
(Start: 198 @54077 has 1 MA's), (Start: 215 @54053 has 328 MA's), (Start: 245 @54029 has 14 MA's), (Start: 258 @54023 has 2 MA's), (Start: 288 @53981 has 1 MA's), (300, 53960), (360, 53846), (363, 53840), (382, 53810), (418, 53750), (425, 53729), (442, 53675), (454, 53663), (464, 53645), (469, 53633), (511, 53528), (567, 53471), (590, 53435), (594, 53423), (605, 53396), (620, 53369), (630, 53351), (641, 53333), (666, 53294), (670, 53285), (671, 53282), (783, 53024), (813, 52922), (820, 52889), (827, 52868), (856, 52775), (859, 52766), (881, 52703), (904, 52667), (905, 52664), (910, 52649), (939, 52571), (944, 52559), (950, 52538), (970, 52499), (1007, 52409), (1018, 52391), (1021, 52385), (1029, 52370), (1039, 52346), (1041, 52331), (1042, 52328), (1044, 52316), (1054, 52292), (1073, 52244), (1084, 52220),

Gene: Pmask_45 Start: 29639, Stop: 27798, Start Num: 254
Candidate Starts for Pmask_45:
(Start: 254 @29639 has 935 MA's), (386, 29435), (426, 29360), (427, 29357), (436, 29330), (441, 29315), (449, 29303), (474, 29252), (510, 29162), (514, 29150), (591, 29057), (605, 29018), (618, 29000), (626, 28985), (666, 28919), (681, 28886), (683, 28883), (735, 28781), (767, 28721), (798, 28637), (819, 28556), (846, 28472), (847, 28469), (850, 28460), (855, 28433), (862, 28403), (899, 28343), (910, 28304), (1003, 28088), (1004, 28085), (1007, 28064), (1060, 27929), (1065, 27917), (1071, 27908), (1073, 27905), (1111, 27812),

Gene: Pocahontas_44 Start: 31594, Stop: 29756, Start Num: 254
Candidate Starts for Pocahontas_44:

(Start: 254 @31594 has 935 MA's), (289, 31543), (386, 31390), (426, 31318), (436, 31288), (449, 31261), (455, 31252), (514, 31108), (591, 31012), (611, 30964), (647, 30904), (702, 30817), (719, 30772), (732, 30751), (768, 30679), (787, 30637), (798, 30595), (819, 30514), (834, 30466), (847, 30427), (855, 30391), (862, 30361), (873, 30331), (905, 30250), (920, 30211), (929, 30187), (935, 30169), (936, 30166), (985, 30040), (1007, 29980), (1043, 29893), (1060, 29845), (1065, 29833), (1071, 29824),

Gene: Pocket_38 Start: 28623, Stop: 26758, Start Num: 339
Candidate Starts for Pocket_38:
(Start: 275 @28710 has 3 MA's), (Start: 339 @28623 has 121 MA's), (Start: 342 @28614 has 5 MA's), (392, 28509), (398, 28500), (418, 28470), (419, 28467), (472, 28347), (476, 28335), (478, 28329), (518, 28224), (525, 28197), (582, 28056), (587, 28050), (588, 28047), (591, 28035), (600, 28008), (601, 28005), (612, 27990), (634, 27984), (637, 27978), (657, 27945), (725, 27816), (749, 27756), (855, 27441), (858, 27432), (859, 27429), (862, 27411), (876, 27369), (880, 27363), (895, 27339), (912, 27282), (970, 27123), (982, 27093), (985, 27084), (1004, 27024), (1007, 27000), (1025, 26961), (1039, 26928), (1040, 26916), (1058, 26856),

Gene: Podrick_59 Start: 53832, Stop: 51973, Start Num: 215
Candidate Starts for Podrick_59:
(Start: 198 @53856 has 1 MA's), (Start: 215 @53832 has 328 MA's), (Start: 245 @53808 has 14 MA's), (Start: 258 @53802 has 2 MA's), (Start: 288 @53760 has 1 MA's), (300, 53739), (360, 53625), (363, 53619), (382, 53589), (418, 53529), (425, 53508), (442, 53454), (454, 53442), (464, 53424), (469, 53412), (511, 53307), (567, 53250), (590, 53214), (594, 53202), (605, 53175), (620, 53148), (630, 53130), (641, 53112), (666, 53073), (670, 53064), (671, 53061), (783, 52803), (813, 52701), (820, 52668), (827, 52647), (856, 52554), (859, 52545), (881, 52482), (904, 52446), (905, 52443), (910, 52428), (939, 52350), (944, 52338), (950, 52317), (970, 52278), (1007, 52188), (1018, 52170), (1021, 52164), (1029, 52149), (1039, 52125), (1041, 52110), (1042, 52107), (1044, 52095), (1054, 52071), (1073, 52023), (1084, 51999),

Gene: Polymorphads_46 Start: 31563, Stop: 29737, Start Num: 254
Candidate Starts for Polymorphads_46:
(Start: 254 @31563 has 935 MA's), (271, 31542), (289, 31512), (305, 31482), (413, 31320), (421, 31302), (449, 31230), (455, 31221), (505, 31101), (514, 31077), (591, 30984), (611, 30936), (626, 30915), (647, 30876), (719, 30744), (732, 30723), (755, 30678), (759, 30666), (815, 30513), (819, 30492), (855, 30369), (862, 30339), (875, 30300), (904, 30234), (905, 30231), (910, 30216), (920, 30192), (929, 30168), (1007, 29961), (1060, 29826), (1065, 29814), (1071, 29805),

Gene: Polyphemus_46 Start: 29782, Stop: 27941, Start Num: 254
Candidate Starts for Polyphemus_46:
(Start: 254 @29782 has 935 MA's), (386, 29578), (426, 29503), (427, 29500), (436, 29473), (441, 29458), (449, 29446), (474, 29395), (510, 29305), (514, 29293), (591, 29200), (605, 29161), (618, 29143), (626, 29128), (666, 29062), (681, 29029), (683, 29026), (735, 28924), (767, 28864), (798, 28780), (819, 28699), (846, 28615), (847, 28612), (850, 28603), (855, 28576), (862, 28546), (899, 28486), (910, 28447), (1003, 28231), (1004, 28228), (1007, 28207), (1060, 28072), (1065, 28060), (1071, 28051), (1073, 28048), (1111, 27955),

Gene: Pomar16_47 Start: 31194, Stop: 29371, Start Num: 254
Candidate Starts for Pomar16_47:
(Start: 254 @31194 has 935 MA's), (386, 30990), (400, 30966), (413, 30948), (421, 30930), (426, 30915), (427, 30912), (436, 30885), (449, 30858), (474, 30807), (514, 30705), (591, 30612), (609, 30564), (618, 30555), (625, 30543), (626, 30540), (666, 30474), (701, 30414), (755, 30300), (767, 30276), (786, 30237), (819, 30111), (836, 30060), (847, 30024), (862, 29958), (875, 29919), (905, 29850), (920, 29811), (936, 29766), (946, 29736), (975, 29673), (983, 29661), (985, 29655), (1007,

29595), (1060, 29460), (1065, 29448), (1071, 29439),

Gene: PondAmelia_53 Start: 30450, Stop: 32324, Start Num: 241
Candidate Starts for PondAmelia_53:
(Start: 241 @30450 has 65 MA's), (Start: 299 @30519 has 1 MA's), (315, 30540), (426, 30720), (455, 30786), (464, 30801), (474, 30828), (603, 31044), (647, 31122), (766, 31356), (803, 31476), (804, 31479), (819, 31539), (822, 31545), (836, 31590), (843, 31605), (845, 31620), (853, 31656), (862, 31692), (903, 31785), (936, 31878), (967, 31956), (969, 31959), (1003, 32028), (1004, 32031), (1007, 32052), (1012, 32067), (1037, 32109), (1040, 32127), (1060, 32187), (1071, 32208),

Gene: Pons_46 Start: 34228, Stop: 31850, Start Num: 58
Candidate Starts for Pons_46:
(Start: 58 @34228 has 15 MA's), (80, 34168), (115, 34087), (165, 33967), (213, 33922), (270, 33844), (Start: 275 @33838 has 3 MA's), (Start: 277 @33835 has 1 MA's), (297, 33805), (319, 33766), (323, 33757), (341, 33730), (Start: 342 @33727 has 5 MA's), (367, 33670), (392, 33631), (426, 33568), (434, 33544), (437, 33535), (441, 33523), (459, 33490), (461, 33487), (469, 33469), (476, 33448), (497, 33388), (537, 33265), (569, 33190), (591, 33148), (668, 33061), (716, 33013), (730, 32983), (733, 32977), (754, 32932), (755, 32929), (761, 32914), (773, 32893), (793, 32830), (807, 32779), (823, 32719), (825, 32710), (830, 32695), (836, 32680), (841, 32668), (862, 32575), (874, 32539), (876, 32533), (880, 32527), (883, 32521), (905, 32464), (912, 32440), (945, 32335), (946, 32332), (970, 32281), (986, 32239), (991, 32221), (1004, 32182), (1013, 32140), (1027, 32116), (1039, 32086), (1050, 32038), (1053, 32029), (1058, 32014), (1072, 31969), (1095, 31915), (1108, 31882), (1113, 31870),

Gene: Ponzi_14 Start: 9802, Stop: 8006, Start Num: 254
Candidate Starts for Ponzi_14:
(Start: 254 @9802 has 935 MA's), (436, 9493), (514, 9313), (571, 9253), (591, 9220), (606, 9175), (609, 9172), (647, 9103), (659, 9082), (727, 8956), (755, 8905), (787, 8857), (810, 8776), (819, 8734), (840, 8671), (843, 8665), (846, 8647), (848, 8641), (852, 8620), (859, 8596), (862, 8578), (863, 8575), (899, 8518), (904, 8497), (910, 8479), (921, 8452), (1021, 8215), (1035, 8188), (1054, 8125), (1060, 8104), (1071, 8083), (1091, 8035),

Gene: Poompha_43 Start: 30385, Stop: 28553, Start Num: 254
Candidate Starts for Poompha_43:
(Start: 254 @30385 has 935 MA's), (289, 30334), (338, 30268), (386, 30181), (391, 30172), (422, 30121), (426, 30109), (449, 30052), (488, 29971), (491, 29959), (494, 29950), (505, 29923), (514, 29899), (591, 29806), (647, 29698), (666, 29671), (734, 29539), (819, 29311), (843, 29245), (855, 29188), (862, 29158), (875, 29119), (905, 29047), (910, 29032), (920, 29008), (935, 28966), (946, 28933), (1007, 28777), (1021, 28753), (1043, 28690), (1060, 28642), (1065, 28630), (1071, 28621),

Gene: Popcicle_44 Start: 31594, Stop: 29756, Start Num: 254
Candidate Starts for Popcicle_44:
(Start: 254 @31594 has 935 MA's), (289, 31543), (386, 31390), (426, 31318), (436, 31288), (449, 31261), (455, 31252), (514, 31108), (591, 31012), (611, 30964), (647, 30904), (702, 30817), (719, 30772), (732, 30751), (768, 30679), (787, 30637), (798, 30595), (819, 30514), (834, 30466), (847, 30427), (855, 30391), (862, 30361), (873, 30331), (905, 30250), (920, 30211), (929, 30187), (935, 30169), (936, 30166), (985, 30040), (1007, 29980), (1043, 29893), (1060, 29845), (1065, 29833), (1071, 29824),

Gene: Pops_60 Start: 54238, Stop: 52379, Start Num: 215
Candidate Starts for Pops_60:
(Start: 198 @54262 has 1 MA's), (Start: 215 @54238 has 328 MA's), (Start: 245 @54214 has 14 MA's), (Start: 258 @54208 has 2 MA's), (Start: 288 @54166 has 1 MA's), (300, 54145), (360, 54031),

(363, 54025), (382, 53995), (418, 53935), (425, 53914), (442, 53860), (454, 53848), (464, 53830), (469, 53818), (511, 53713), (567, 53656), (590, 53620), (594, 53608), (603, 53584), (609, 53572), (620, 53554), (630, 53536), (641, 53518), (666, 53479), (670, 53470), (671, 53467), (673, 53464), (813, 53107), (820, 53074), (827, 53053), (856, 52960), (859, 52951), (881, 52888), (904, 52852), (905, 52849), (910, 52834), (939, 52756), (944, 52744), (950, 52723), (970, 52684), (1007, 52594), (1018, 52576), (1021, 52570), (1029, 52555), (1039, 52531), (1041, 52516), (1042, 52513), (1044, 52501), (1054, 52477), (1073, 52429), (1084, 52405),

Gene: Poster_52 Start: 52989, Stop: 51166, Start Num: 208
Candidate Starts for Poster_52:
(Start: 190 @53007 has 4 MA's), (Start: 208 @52989 has 32 MA's), (Start: 258 @52965 has 2 MA's), (280, 52938), (Start: 288 @52923 has 1 MA's), (300, 52902), (353, 52815), (415, 52710), (430, 52668), (464, 52602), (477, 52572), (481, 52563), (487, 52560), (489, 52557), (496, 52530), (567, 52437), (582, 52419), (590, 52401), (594, 52389), (599, 52374), (605, 52362), (670, 52251), (671, 52248), (684, 52218), (706, 52182), (796, 51957), (797, 51954), (806, 51918), (813, 51894), (820, 51861), (854, 51753), (856, 51747), (858, 51741), (859, 51738), (904, 51639), (905, 51636), (910, 51621), (939, 51543), (944, 51531), (950, 51510), (953, 51501), (970, 51471), (983, 51447), (1000, 51414), (1007, 51381), (1018, 51363), (1021, 51357), (1039, 51318), (1042, 51300), (1044, 51288), (1054, 51264), (1070, 51222), (1073, 51216), (1084, 51192),

Gene: PotPie_44 Start: 34903, Stop: 32528, Start Num: 58
Candidate Starts for PotPie_44:
(Start: 58 @34903 has 15 MA's), (80, 34843), (99, 34801), (115, 34762), (165, 34642), (176, 34621), (213, 34597), (270, 34519), (Start: 275 @34513 has 3 MA's), (Start: 277 @34510 has 1 MA's), (297, 34480), (323, 34432), (341, 34405), (Start: 342 @34402 has 5 MA's), (367, 34345), (392, 34306), (406, 34285), (426, 34243), (434, 34219), (437, 34210), (438, 34204), (441, 34198), (459, 34165), (469, 34144), (476, 34123), (537, 33940), (569, 33865), (591, 33823), (668, 33736), (706, 33712), (716, 33688), (720, 33679), (730, 33658), (754, 33607), (755, 33604), (761, 33589), (773, 33568), (810, 33442), (823, 33394), (825, 33385), (841, 33343), (862, 33250), (874, 33214), (876, 33208), (880, 33202), (883, 33196), (905, 33139), (912, 33115), (945, 33010), (946, 33007), (986, 32914), (991, 32896), (1004, 32857), (1013, 32815), (1027, 32791), (1039, 32761), (1050, 32713), (1058, 32689), (1072, 32644), (1108, 32557),

Gene: PotatoSplit_50 Start: 31856, Stop: 30042, Start Num: 254
Candidate Starts for PotatoSplit_50:
(Start: 254 @31856 has 935 MA's), (284, 31817), (289, 31805), (386, 31652), (395, 31637), (426, 31580), (449, 31523), (455, 31514), (474, 31472), (494, 31421), (514, 31370), (591, 31277), (609, 31229), (618, 31220), (626, 31205), (647, 31166), (666, 31139), (680, 31109), (727, 31016), (758, 30956), (767, 30941), (819, 30785), (847, 30698), (862, 30632), (875, 30593), (905, 30521), (920, 30482), (929, 30458), (935, 30440), (946, 30407), (956, 30380), (985, 30326), (1007, 30266), (1041, 30188), (1060, 30131), (1065, 30119), (1071, 30110),

Gene: Potter_59 Start: 54044, Stop: 52185, Start Num: 215
Candidate Starts for Potter_59:
(Start: 198 @54068 has 1 MA's), (Start: 215 @54044 has 328 MA's), (Start: 245 @54020 has 14 MA's), (Start: 258 @54014 has 2 MA's), (Start: 288 @53972 has 1 MA's), (300, 53951), (360, 53837), (363, 53831), (382, 53801), (418, 53741), (425, 53720), (442, 53666), (454, 53654), (464, 53636), (469, 53624), (511, 53519), (567, 53462), (590, 53426), (594, 53414), (605, 53387), (630, 53342), (666, 53285), (670, 53276), (671, 53273), (813, 52913), (820, 52880), (827, 52859), (856, 52766), (859, 52757), (881, 52694), (904, 52658), (905, 52655), (910, 52640), (939, 52562), (944, 52550), (950, 52529), (970, 52490), (1007, 52400), (1018, 52382), (1021, 52376), (1029, 52361), (1039, 52337), (1041, 52322), (1042, 52319), (1044, 52307), (1054, 52283), (1073, 52235), (1084, 52211),

Gene: Power_43 Start: 31319, Stop: 29532, Start Num: 254
Candidate Starts for Power_43:
(114, 31574), (Start: 254 @31319 has 935 MA's), (386, 31115), (388, 31112), (391, 31106), (402, 31091), (413, 31076), (426, 31043), (427, 31040), (436, 31013), (449, 30986), (463, 30965), (474, 30935), (514, 30833), (517, 30824), (591, 30740), (609, 30692), (618, 30683), (626, 30668), (666, 30602), (708, 30521), (732, 30473), (734, 30467), (767, 30404), (798, 30329), (819, 30248), (836, 30197), (846, 30164), (847, 30161), (862, 30095), (875, 30056), (899, 30035), (935, 29930), (946, 29897), (956, 29870), (975, 29834), (983, 29822), (985, 29816), (1003, 29780), (1007, 29756), (1041, 29678), (1060, 29621), (1065, 29609), (1071, 29600),

Gene: PowerRanger_45 Start: 35483, Stop: 33657, Start Num: 254
Candidate Starts for PowerRanger_45:
(Start: 254 @35483 has 935 MA's), (391, 35270), (400, 35255), (426, 35207), (436, 35177), (443, 35156), (449, 35150), (455, 35141), (504, 35024), (514, 34997), (591, 34904), (596, 34889), (639, 34805), (641, 34802), (680, 34736), (701, 34706), (711, 34676), (734, 34631), (755, 34592), (819, 34412), (834, 34364), (847, 34325), (862, 34259), (875, 34220), (899, 34199), (904, 34178), (910, 34160), (935, 34094), (1003, 33944), (1004, 33941), (1012, 33905), (1029, 33881), (1038, 33860), (1043, 33833), (1060, 33785), (1071, 33764),

Gene: Powerpuff_43 Start: 30792, Stop: 32657, Start Num: 254
Candidate Starts for Powerpuff_43:
(Start: 254 @30792 has 935 MA's), (Start: 288 @30840 has 1 MA's), (436, 31089), (479, 31179), (593, 31386), (596, 31395), (641, 31485), (647, 31494), (657, 31509), (681, 31554), (708, 31599), (732, 31647), (759, 31704), (788, 31785), (812, 31872), (819, 31905), (830, 31935), (847, 31992), (862, 32058), (872, 32082), (903, 32151), (929, 32223), (932, 32232), (971, 32331), (1003, 32394), (1007, 32418), (1053, 32529), (1060, 32553), (1064, 32562),

Gene: Priamo_47 Start: 29939, Stop: 28098, Start Num: 254
Candidate Starts for Priamo_47:
(Start: 254 @29939 has 935 MA's), (386, 29735), (426, 29660), (427, 29657), (436, 29630), (441, 29615), (449, 29603), (474, 29552), (514, 29450), (591, 29357), (605, 29318), (618, 29300), (666, 29219), (683, 29183), (735, 29081), (767, 29021), (798, 28937), (819, 28856), (846, 28772), (847, 28769), (850, 28760), (855, 28733), (862, 28703), (899, 28643), (910, 28604), (920, 28580), (1003, 28388), (1004, 28385), (1007, 28364), (1060, 28229), (1065, 28217), (1071, 28208), (1073, 28205), (1111, 28112),

Gene: Prickles_62 Start: 54544, Stop: 52685, Start Num: 215
Candidate Starts for Prickles_62:
(Start: 198 @54568 has 1 MA's), (Start: 215 @54544 has 328 MA's), (Start: 245 @54520 has 14 MA's), (Start: 258 @54514 has 2 MA's), (Start: 288 @54472 has 1 MA's), (300, 54451), (360, 54337), (363, 54331), (382, 54301), (418, 54241), (425, 54220), (442, 54166), (454, 54154), (464, 54136), (469, 54124), (511, 54019), (567, 53962), (590, 53926), (594, 53914), (605, 53887), (609, 53878), (630, 53842), (666, 53785), (670, 53776), (671, 53773), (673, 53770), (813, 53413), (820, 53380), (827, 53359), (856, 53266), (859, 53257), (881, 53194), (904, 53158), (905, 53155), (910, 53140), (939, 53062), (944, 53050), (950, 53029), (970, 52990), (1007, 52900), (1018, 52882), (1021, 52876), (1029, 52861), (1039, 52837), (1041, 52822), (1042, 52819), (1044, 52807), (1054, 52783), (1073, 52735), (1084, 52711),

Gene: Prinashe11_39 Start: 30426, Stop: 28582, Start Num: 254
Candidate Starts for Prinashe11_39:
(Start: 254 @30426 has 935 MA's), (289, 30375), (334, 30315), (371, 30252), (386, 30222), (388, 30219), (422, 30162), (426, 30150), (436, 30120), (449, 30093), (514, 29940), (591, 29844), (609, 29796), (659, 29712), (666, 29706), (706, 29634), (719, 29601), (727, 29586), (734, 29574), (783,

29475), (819, 29340), (830, 29310), (834, 29292), (836, 29289), (847, 29253), (850, 29244), (853, 29223), (856, 29214), (862, 29187), (863, 29184), (899, 29127), (904, 29106), (946, 28989), (971, 28935), (975, 28926), (985, 28908), (1018, 28830), (1040, 28773), (1053, 28737), (1060, 28713), (1065, 28701),

Gene: Prince_53 Start: 54170, Stop: 52347, Start Num: 208
Candidate Starts for Prince_53:
(Start: 190 @54188 has 4 MA's), (Start: 208 @54170 has 32 MA's), (Start: 258 @54146 has 2 MA's), (280, 54119), (Start: 288 @54104 has 1 MA's), (300, 54083), (353, 53996), (415, 53891), (430, 53849), (464, 53783), (477, 53753), (481, 53744), (487, 53741), (489, 53738), (567, 53618), (582, 53600), (590, 53582), (594, 53570), (599, 53555), (605, 53543), (670, 53432), (671, 53429), (684, 53399), (706, 53363), (796, 53138), (797, 53135), (806, 53099), (813, 53075), (820, 53042), (854, 52934), (856, 52928), (859, 52919), (904, 52820), (905, 52817), (910, 52802), (939, 52724), (944, 52712), (950, 52691), (953, 52682), (970, 52652), (1000, 52595), (1007, 52562), (1018, 52544), (1021, 52538), (1039, 52499), (1042, 52481), (1044, 52469), (1054, 52445), (1070, 52403), (1073, 52397), (1084, 52373),

Gene: PrinceCharming_57 Start: 52594, Stop: 50765, Start Num: 215
Candidate Starts for PrinceCharming_57:
(Start: 215 @52594 has 328 MA's), (Start: 258 @52567 has 2 MA's), (Start: 282 @52537 has 7 MA's), (Start: 288 @52525 has 1 MA's), (Start: 304 @52498 has 2 MA's), (305, 52495), (314, 52486), (338, 52468), (388, 52372), (418, 52321), (426, 52297), (433, 52273), (496, 52135), (506, 52111), (511, 52099), (567, 52042), (590, 52006), (594, 51994), (603, 51970), (652, 51886), (670, 51856), (671, 51853), (684, 51823), (753, 51679), (778, 51613), (792, 51574), (796, 51562), (800, 51541), (806, 51523), (820, 51466), (850, 51382), (856, 51352), (859, 51343), (879, 51277), (902, 51250), (904, 51241), (910, 51223), (920, 51199), (939, 51145), (944, 51133), (950, 51112), (985, 51043), (1007, 50983), (1018, 50965), (1035, 50932), (1039, 50920), (1041, 50905), (1042, 50902), (1044, 50890), (1054, 50866), (1055, 50863), (1073, 50815), (1075, 50812), (1084, 50791), (1091, 50770),

Gene: PrincePhergus_37 Start: 28495, Stop: 26645, Start Num: 335
Candidate Starts for PrincePhergus_37:
(Start: 335 @28495 has 20 MA's), (398, 28372), (419, 28339), (469, 28228), (476, 28207), (478, 28201), (483, 28192), (496, 28150), (554, 27994), (582, 27940), (587, 27934), (588, 27931), (591, 27919), (601, 27889), (654, 27832), (731, 27685), (789, 27538), (855, 27328), (858, 27319), (859, 27316), (862, 27298), (876, 27256), (884, 27241), (912, 27169), (982, 26980), (985, 26971), (1004, 26911), (1007, 26887), (1022, 26854), (1058, 26743),

Gene: Priya_45 Start: 31550, Stop: 29757, Start Num: 254
Candidate Starts for Priya_45:
(Start: 254 @31550 has 935 MA's), (261, 31541), (289, 31499), (369, 31379), (371, 31376), (396, 31328), (427, 31268), (437, 31238), (441, 31226), (449, 31214), (514, 31061), (591, 30968), (666, 30830), (680, 30800), (759, 30641), (767, 30629), (785, 30602), (815, 30494), (819, 30473), (859, 30338), (862, 30320), (904, 30239), (920, 30197), (946, 30122), (983, 30047), (1003, 30005), (1041, 29903), (1060, 29846), (1065, 29834), (1071, 29825),

Gene: ProMouse_45 Start: 35152, Stop: 33326, Start Num: 254
Candidate Starts for ProMouse_45:
(Start: 254 @35152 has 935 MA's), (391, 34939), (426, 34876), (436, 34846), (443, 34825), (449, 34819), (455, 34810), (504, 34693), (514, 34666), (591, 34573), (596, 34558), (639, 34474), (641, 34471), (680, 34405), (701, 34375), (711, 34345), (734, 34300), (755, 34261), (819, 34081), (836, 34030), (847, 33994), (862, 33928), (875, 33889), (899, 33868), (904, 33847), (1003, 33613), (1004, 33610), (1012, 33574), (1029, 33550), (1052, 33481), (1060, 33454), (1071, 33433),

Gene: ProfessorX_60 Start: 54043, Stop: 52184, Start Num: 215
Candidate Starts for ProfessorX_60:
(Start: 198 @54067 has 1 MA's), (Start: 215 @54043 has 328 MA's), (Start: 245 @54019 has 14 MA's), (Start: 258 @54013 has 2 MA's), (Start: 288 @53971 has 1 MA's), (300, 53950), (360, 53836), (363, 53830), (382, 53800), (418, 53740), (425, 53719), (442, 53665), (454, 53653), (464, 53635), (469, 53623), (511, 53518), (567, 53461), (590, 53425), (594, 53413), (603, 53389), (609, 53377), (620, 53359), (630, 53341), (641, 53323), (666, 53284), (670, 53275), (671, 53272), (673, 53269), (813, 52912), (820, 52879), (827, 52858), (856, 52765), (859, 52756), (881, 52693), (904, 52657), (905, 52654), (910, 52639), (939, 52561), (944, 52549), (950, 52528), (970, 52489), (1007, 52399), (1018, 52381), (1021, 52375), (1029, 52360), (1039, 52336), (1041, 52321), (1042, 52318), (1044, 52306), (1054, 52282), (1073, 52234), (1084, 52210),

Gene: Prudy_43 Start: 31986, Stop: 30199, Start Num: 254
Candidate Starts for Prudy_43:
(Start: 254 @31986 has 935 MA's), (386, 31782), (388, 31779), (391, 31773), (402, 31758), (413, 31743), (426, 31710), (436, 31680), (449, 31653), (463, 31632), (474, 31602), (494, 31551), (514, 31500), (591, 31407), (609, 31359), (618, 31350), (626, 31335), (666, 31269), (708, 31188), (732, 31140), (767, 31071), (798, 30996), (819, 30915), (836, 30864), (846, 30831), (847, 30828), (862, 30762), (875, 30723), (899, 30702), (925, 30627), (975, 30501), (985, 30483), (1003, 30447), (1007, 30423), (1037, 30366), (1041, 30345), (1060, 30288), (1065, 30276), (1071, 30267),

Gene: PsychoKiller_42 Start: 32441, Stop: 30048, Start Num: 45
Candidate Starts for PsychoKiller_42:
(Start: 45 @32441 has 21 MA's), (59, 32435), (Start: 75 @32387 has 1 MA's), (93, 32345), (103, 32321), (152, 32195), (165, 32171), (213, 32126), (247, 32075), (260, 32060), (Start: 277 @32039 has 1 MA's), (307, 31991), (326, 31958), (333, 31949), (367, 31874), (373, 31862), (417, 31793), (427, 31766), (429, 31760), (434, 31745), (459, 31691), (461, 31688), (469, 31670), (476, 31649), (497, 31589), (537, 31466), (539, 31460), (569, 31391), (591, 31349), (668, 31262), (684, 31238), (706, 31232), (716, 31208), (720, 31199), (727, 31184), (733, 31172), (753, 31130), (754, 31127), (755, 31124), (807, 30977), (816, 30935), (825, 30908), (827, 30902), (862, 30773), (874, 30737), (876, 30731), (880, 30725), (883, 30719), (905, 30662), (912, 30638), (925, 30593), (1057, 30215), (1058, 30212), (1072, 30167), (1076, 30158), (1101, 30098),

Gene: Puhltonio_60 Start: 54318, Stop: 52459, Start Num: 215
Candidate Starts for Puhltonio_60:
(Start: 198 @54342 has 1 MA's), (Start: 215 @54318 has 328 MA's), (Start: 245 @54294 has 14 MA's), (Start: 258 @54288 has 2 MA's), (Start: 288 @54246 has 1 MA's), (300, 54225), (360, 54111), (363, 54105), (382, 54075), (418, 54015), (425, 53994), (442, 53940), (454, 53928), (464, 53910), (469, 53898), (511, 53793), (567, 53736), (590, 53700), (594, 53688), (605, 53661), (620, 53634), (630, 53616), (641, 53598), (666, 53559), (670, 53550), (671, 53547), (783, 53289), (813, 53187), (820, 53154), (827, 53133), (856, 53040), (859, 53031), (881, 52968), (904, 52932), (905, 52929), (910, 52914), (939, 52836), (944, 52824), (950, 52803), (970, 52764), (1007, 52674), (1018, 52656), (1021, 52650), (1029, 52635), (1039, 52611), (1041, 52596), (1042, 52593), (1044, 52581), (1054, 52557), (1073, 52509), (1084, 52485),

Gene: Pukovnik_43 Start: 32125, Stop: 30323, Start Num: 254
Candidate Starts for Pukovnik_43:
(Start: 254 @32125 has 935 MA's), (386, 31921), (388, 31918), (427, 31843), (436, 31816), (449, 31789), (463, 31768), (510, 31648), (514, 31636), (591, 31543), (609, 31495), (618, 31486), (626, 31471), (666, 31405), (725, 31288), (755, 31231), (767, 31207), (786, 31165), (803, 31102), (819, 31039), (836, 30988), (847, 30952), (855, 30916), (862, 30886), (875, 30847), (899, 30826), (904, 30805), (946, 30688), (975, 30625), (1003, 30571), (1007, 30547), (1037, 30490), (1041, 30469), (1060, 30412), (1065, 30400), (1071, 30391),

Gene: Pumbaa_45 Start: 31515, Stop: 29686, Start Num: 254
Candidate Starts for Pumbaa_45:
(Start: 254 @31515 has 935 MA's), (271, 31494), (289, 31464), (305, 31434), (413, 31272), (421, 31254), (449, 31182), (455, 31173), (505, 31053), (514, 31029), (591, 30936), (611, 30888), (626, 30867), (647, 30828), (719, 30696), (732, 30675), (755, 30630), (759, 30618), (819, 30444), (859, 30309), (862, 30291), (875, 30252), (905, 30180), (920, 30141), (929, 30117), (931, 30111), (936, 30096), (1007, 29910), (1060, 29775), (1065, 29763), (1071, 29754),

Gene: Pumpernickel_113 Start: 82450, Stop: 80615, Start Num: 249
Candidate Starts for Pumpernickel_113:
(Start: 249 @82450 has 3 MA's), (Start: 288 @82408 has 1 MA's), (388, 82222), (424, 82165), (454, 82102), (467, 82075), (498, 82012), (594, 81886), (601, 81865), (607, 81847), (632, 81802), (647, 81775), (675, 81730), (681, 81715), (692, 81697), (702, 81685), (719, 81640), (725, 81631), (819, 81385), (843, 81319), (852, 81271), (879, 81172), (917, 81076), (920, 81067), (932, 81034), (935, 81025), (946, 80992), (961, 80956), (1018, 80815), (1035, 80782), (1039, 80770), (1048, 80731), (1060, 80698),

Gene: Pumpkins_40 Start: 29815, Stop: 31680, Start Num: 254
Candidate Starts for Pumpkins_40:
(Start: 254 @29815 has 935 MA's), (Start: 288 @29863 has 1 MA's), (436, 30112), (491, 30232), (593, 30409), (647, 30517), (657, 30532), (732, 30670), (788, 30808), (819, 30928), (847, 31015), (862, 31081), (903, 31174), (1003, 31417), (1060, 31576), (1064, 31585),

Gene: Puppers_42 Start: 34640, Stop: 32244, Start Num: 15
Candidate Starts for Puppers_42:
(Start: 15 @34640 has 2 MA's), (17, 34631), (29, 34535), (138, 34199), (Start: 178 @34169 has 1 MA's), (186, 34157), (225, 34103), (315, 33983), (338, 33962), (355, 33917), (385, 33869), (396, 33848), (474, 33686), (503, 33623), (511, 33602), (514, 33593), (590, 33512), (594, 33500), (618, 33446), (636, 33416), (654, 33389), (670, 33362), (671, 33359), (673, 33356), (747, 33209), (775, 33125), (790, 33074), (800, 33035), (803, 33026), (806, 33017), (820, 32960), (850, 32879), (856, 32849), (894, 32759), (902, 32747), (910, 32720), (939, 32642), (944, 32630), (953, 32600), (995, 32510), (1000, 32495), (1007, 32462), (1037, 32405), (1041, 32384), (1042, 32381), (1050, 32357), (1054, 32345), (1073, 32294), (1084, 32270),

Gene: Puppet_46 Start: 35284, Stop: 33497, Start Num: 254
Candidate Starts for Puppet_46:
(Start: 254 @35284 has 935 MA's), (391, 35071), (400, 35056), (426, 35008), (436, 34978), (443, 34957), (449, 34951), (455, 34942), (504, 34825), (514, 34798), (591, 34705), (596, 34690), (639, 34606), (641, 34603), (680, 34537), (701, 34507), (711, 34477), (734, 34432), (755, 34393), (819, 34213), (834, 34165), (847, 34126), (862, 34060), (902, 33988), (904, 33979), (935, 33895), (971, 33808), (1029, 33682), (1035, 33670), (1060, 33586), (1063, 33580),

Gene: Puppy_47 Start: 31175, Stop: 29337, Start Num: 254
Candidate Starts for Puppy_47:
(Start: 254 @31175 has 935 MA's), (289, 31124), (338, 31058), (386, 30971), (422, 30911), (426, 30899), (449, 30842), (455, 30833), (505, 30713), (514, 30689), (591, 30593), (611, 30545), (647, 30485), (683, 30422), (719, 30353), (732, 30332), (768, 30260), (787, 30218), (798, 30176), (819, 30095), (834, 30047), (855, 29972), (862, 29942), (873, 29912), (905, 29831), (920, 29792), (929, 29768), (935, 29750), (985, 29621), (1007, 29561), (1060, 29426), (1065, 29414), (1071, 29405),

Gene: PuppyEggo_39 Start: 28937, Stop: 27072, Start Num: 339
Candidate Starts for PuppyEggo_39:

(Start: 275 @29024 has 3 MA's), (Start: 277 @29021 has 1 MA's), (Start: 339 @28937 has 121 MA's), (Start: 342 @28928 has 5 MA's), (392, 28823), (398, 28814), (418, 28784), (419, 28781), (472, 28661), (476, 28649), (478, 28643), (518, 28538), (525, 28511), (582, 28370), (587, 28364), (588, 28361), (591, 28349), (600, 28322), (601, 28319), (612, 28304), (634, 28298), (637, 28292), (657, 28259), (725, 28130), (749, 28070), (780, 27995), (855, 27755), (858, 27746), (859, 27743), (862, 27725), (876, 27683), (880, 27677), (884, 27668), (895, 27653), (912, 27596), (970, 27437), (982, 27407), (985, 27398), (1004, 27338), (1007, 27314), (1025, 27275), (1039, 27242), (1040, 27230), (1058, 27170),

Gene: PurpleHaze_48 Start: 31752, Stop: 29938, Start Num: 254
Candidate Starts for PurpleHaze_48:
(Start: 254 @31752 has 935 MA's), (284, 31713), (289, 31701), (386, 31548), (395, 31533), (426, 31476), (449, 31419), (455, 31410), (474, 31368), (494, 31317), (514, 31266), (591, 31173), (609, 31125), (626, 31101), (647, 31062), (666, 31035), (680, 31005), (727, 30912), (734, 30900), (758, 30852), (767, 30837), (819, 30681), (836, 30630), (846, 30597), (847, 30594), (862, 30528), (875, 30489), (905, 30417), (920, 30378), (929, 30354), (935, 30336), (946, 30303), (985, 30222), (1007, 30162), (1018, 30144), (1041, 30084), (1043, 30075), (1060, 30027), (1065, 30015), (1071, 30006),

Gene: QMacho_45 Start: 30268, Stop: 32142, Start Num: 241
Candidate Starts for QMacho_45:
(Start: 238 @30265 has 7 MA's), (Start: 241 @30268 has 65 MA's), (Start: 299 @30337 has 1 MA's), (315, 30358), (334, 30382), (426, 30538), (455, 30604), (647, 30940), (719, 31075), (766, 31174), (804, 31297), (819, 31357), (822, 31363), (836, 31408), (845, 31438), (853, 31474), (862, 31510), (903, 31603), (936, 31696), (967, 31774), (1003, 31846), (1012, 31885), (1037, 31927), (1040, 31945), (1060, 32005), (1071, 32026),

Gene: QTRlifeCrisis_45 Start: 35266, Stop: 33440, Start Num: 254
Candidate Starts for QTRlifeCrisis_45:
(Start: 254 @35266 has 935 MA's), (391, 35053), (426, 34990), (436, 34960), (443, 34939), (449, 34933), (455, 34924), (504, 34807), (514, 34780), (591, 34687), (596, 34672), (609, 34639), (639, 34588), (641, 34585), (680, 34519), (701, 34489), (711, 34459), (734, 34414), (755, 34375), (819, 34195), (834, 34147), (847, 34108), (862, 34042), (875, 34003), (899, 33982), (904, 33961), (910, 33943), (935, 33877), (1003, 33727), (1004, 33724), (1012, 33688), (1029, 33664), (1034, 33655), (1038, 33643), (1060, 33568), (1071, 33547),

Gene: Qobbit_45 Start: 31512, Stop: 29719, Start Num: 254
Candidate Starts for Qobbit_45:
(Start: 254 @31512 has 935 MA's), (261, 31503), (289, 31461), (369, 31341), (371, 31338), (396, 31290), (427, 31230), (437, 31200), (441, 31188), (449, 31176), (514, 31023), (591, 30930), (666, 30792), (680, 30762), (759, 30603), (767, 30591), (785, 30564), (815, 30456), (819, 30435), (859, 30300), (862, 30282), (904, 30201), (920, 30159), (946, 30084), (983, 30009), (1003, 29967), (1041, 29865), (1060, 29808), (1065, 29796), (1071, 29787),

Gene: QuadZero_37 Start: 27017, Stop: 25152, Start Num: 337
Candidate Starts for QuadZero_37:
(Start: 337 @27017 has 44 MA's), (341, 27011), (387, 26912), (392, 26903), (408, 26879), (418, 26864), (420, 26858), (438, 26807), (441, 26804), (478, 26723), (531, 26573), (533, 26570), (569, 26471), (587, 26444), (588, 26441), (591, 26429), (601, 26399), (634, 26378), (654, 26342), (731, 26195), (798, 26015), (855, 25835), (862, 25805), (883, 25751), (895, 25733), (912, 25676), (918, 25649), (933, 25607), (946, 25568), (982, 25487), (985, 25478), (1004, 25418), (1007, 25394), (1011, 25382), (1015, 25373), (1025, 25355), (1039, 25322), (1058, 25250),

Gene: Quantum_66 Start: 46750, Stop: 44786, Start Num: 322

Candidate Starts for Quantum_66:
(Start: 322 @46750 has 13 MA's), (379, 46654), (435, 46546), (438, 46534), (456, 46480), (490, 46396), (532, 46261), (559, 46162), (566, 46150), (573, 46123), (581, 46108), (645, 45970), (692, 45883), (734, 45787), (774, 45679), (775, 45676), (785, 45649), (793, 45622), (800, 45592), (810, 45562), (840, 45457), (865, 45349), (867, 45340), (869, 45334), (933, 45190), (939, 45172), (945, 45154), (980, 45100), (1021, 44983), (1028, 44971), (1033, 44962), (1038, 44950), (1041, 44932), (1048, 44908), (1058, 44884), (1064, 44866),

Gene: Quartz_38 Start: 28631, Stop: 26730, Start Num: 337
Candidate Starts for Quartz_38:
(Start: 337 @28631 has 44 MA's), (398, 28508), (408, 28493), (418, 28478), (430, 28445), (434, 28436), (438, 28421), (459, 28385), (465, 28370), (476, 28343), (478, 28337), (496, 28286), (511, 28247), (531, 28187), (582, 28061), (588, 28052), (591, 28040), (601, 28010), (654, 27953), (731, 27806), (749, 27761), (791, 27650), (845, 27455), (855, 27413), (862, 27383), (876, 27341), (895, 27311), (902, 27290), (912, 27254), (1004, 26996), (1007, 26972), (1022, 26939), (1025, 26933), (1058, 26828),

Gene: Quasar_43 Start: 33103, Stop: 30710, Start Num: 45
Candidate Starts for Quasar_43:
(Start: 45 @33103 has 21 MA's), (59, 33097), (Start: 75 @33049 has 1 MA's), (93, 33007), (103, 32983), (152, 32857), (165, 32833), (213, 32788), (247, 32737), (260, 32722), (Start: 277 @32701 has 1 MA's), (307, 32653), (326, 32620), (333, 32611), (367, 32536), (373, 32524), (417, 32455), (427, 32428), (429, 32422), (434, 32407), (459, 32353), (461, 32350), (469, 32332), (476, 32311), (497, 32251), (537, 32128), (539, 32122), (569, 32053), (591, 32011), (668, 31924), (684, 31900), (706, 31894), (716, 31870), (720, 31861), (727, 31846), (733, 31834), (753, 31792), (754, 31789), (755, 31786), (774, 31750), (807, 31639), (825, 31570), (827, 31564), (841, 31528), (862, 31435), (864, 31426), (874, 31399), (876, 31393), (880, 31387), (883, 31381), (905, 31324), (910, 31309), (912, 31300), (925, 31255), (1057, 30877), (1058, 30874), (1072, 30829), (1076, 30820), (1101, 30760),

Gene: QueenB2_44 Start: 31390, Stop: 29603, Start Num: 254
Candidate Starts for QueenB2_44:
(Start: 254 @31390 has 935 MA's), (388, 31183), (391, 31177), (402, 31162), (413, 31147), (426, 31114), (427, 31111), (436, 31084), (449, 31057), (463, 31036), (514, 30904), (591, 30811), (603, 30775), (609, 30763), (618, 30754), (626, 30739), (666, 30673), (708, 30592), (732, 30544), (734, 30538), (767, 30475), (819, 30319), (836, 30268), (846, 30235), (847, 30232), (862, 30166), (875, 30127), (899, 30106), (925, 30031), (929, 30019), (975, 29905), (985, 29887), (1003, 29851), (1007, 29827), (1041, 29749), (1060, 29692), (1065, 29680), (1071, 29671),

Gene: QueenBeane_60 Start: 54350, Stop: 52491, Start Num: 215
Candidate Starts for QueenBeane_60:
(Start: 198 @54374 has 1 MA's), (Start: 215 @54350 has 328 MA's), (Start: 245 @54326 has 14 MA's), (Start: 258 @54320 has 2 MA's), (Start: 288 @54278 has 1 MA's), (300, 54257), (360, 54143), (363, 54137), (382, 54107), (418, 54047), (425, 54026), (442, 53972), (454, 53960), (464, 53942), (469, 53930), (511, 53825), (567, 53768), (590, 53732), (594, 53720), (605, 53693), (630, 53648), (666, 53591), (670, 53582), (671, 53579), (813, 53219), (820, 53186), (827, 53165), (856, 53072), (859, 53063), (881, 53000), (904, 52964), (905, 52961), (910, 52946), (939, 52868), (944, 52856), (950, 52835), (970, 52796), (1007, 52706), (1018, 52688), (1021, 52682), (1029, 52667), (1039, 52643), (1041, 52628), (1042, 52625), (1044, 52613), (1054, 52589), (1073, 52541), (1084, 52517),

Gene: QueenBeesly_44 Start: 31266, Stop: 29479, Start Num: 254
Candidate Starts for QueenBeesly_44:
(114, 31521), (Start: 254 @31266 has 935 MA's), (386, 31062), (388, 31059), (391, 31053), (402, 31038), (413, 31023), (426, 30990), (427, 30987), (436, 30960), (449, 30933), (463, 30912), (474,

30882), (514, 30780), (591, 30687), (609, 30639), (618, 30630), (626, 30615), (666, 30549), (708, 30468), (732, 30420), (734, 30414), (767, 30351), (798, 30276), (819, 30195), (836, 30144), (846, 30111), (847, 30108), (862, 30042), (875, 30003), (899, 29982), (925, 29907), (931, 29889), (946, 29844), (956, 29817), (975, 29781), (983, 29769), (985, 29763), (1003, 29727), (1007, 29703), (1041, 29625), (1060, 29568), (1065, 29556), (1071, 29547),

Gene: QueenPie_51 Start: 53683, Stop: 51860, Start Num: 208
Candidate Starts for QueenPie_51:
(Start: 190 @53701 has 4 MA's), (Start: 208 @53683 has 32 MA's), (Start: 258 @53659 has 2 MA's), (280, 53632), (Start: 288 @53617 has 1 MA's), (300, 53596), (353, 53509), (415, 53404), (430, 53362), (464, 53296), (477, 53266), (481, 53257), (487, 53254), (489, 53251), (496, 53224), (567, 53131), (582, 53113), (590, 53095), (594, 53083), (605, 53056), (641, 52993), (654, 52972), (666, 52954), (670, 52945), (671, 52942), (706, 52876), (796, 52651), (797, 52648), (806, 52612), (813, 52588), (820, 52555), (854, 52447), (856, 52441), (859, 52432), (904, 52333), (905, 52330), (910, 52315), (939, 52237), (944, 52225), (950, 52204), (953, 52195), (970, 52165), (985, 52135), (1000, 52108), (1007, 52075), (1018, 52057), (1021, 52051), (1039, 52012), (1042, 51994), (1044, 51982), (1054, 51958), (1070, 51916), (1073, 51910), (1084, 51886),

Gene: Quenya_42 Start: 30106, Stop: 31977, Start Num: 254
Candidate Starts for Quenya_42:
(211, 30058), (Start: 254 @30106 has 935 MA's), (269, 30124), (Start: 299 @30175 has 1 MA's), (386, 30313), (463, 30454), (464, 30457), (501, 30538), (602, 30697), (624, 30733), (647, 30778), (657, 30793), (701, 30865), (708, 30886), (819, 31192), (836, 31243), (843, 31258), (853, 31309), (856, 31318), (862, 31345), (903, 31438), (936, 31531), (967, 31609), (1003, 31681), (1007, 31705), (1037, 31762), (1053, 31816), (1060, 31840), (1071, 31861),

Gene: Quesadilla_58 Start: 54997, Stop: 53174, Start Num: 215
Candidate Starts for Quesadilla_58:
(Start: 215 @54997 has 328 MA's), (280, 54943), (305, 54898), (320, 54889), (338, 54871), (360, 54817), (388, 54778), (433, 54679), (454, 54640), (467, 54616), (495, 54547), (511, 54508), (567, 54451), (590, 54415), (594, 54403), (603, 54379), (605, 54376), (609, 54367), (671, 54256), (679, 54238), (684, 54226), (706, 54190), (792, 53977), (796, 53965), (797, 53962), (800, 53944), (806, 53926), (813, 53902), (814, 53896), (820, 53869), (856, 53755), (859, 53746), (904, 53647), (905, 53644), (910, 53629), (939, 53551), (944, 53539), (950, 53518), (958, 53500), (974, 53470), (996, 53434), (1007, 53389), (1018, 53371), (1021, 53365), (1039, 53326), (1040, 53314), (1041, 53311), (1054, 53272), (1073, 53224), (1084, 53200),

Gene: QuinnKiro_43 Start: 31597, Stop: 29759, Start Num: 254
Candidate Starts for QuinnKiro_43:
(Start: 254 @31597 has 935 MA's), (289, 31546), (386, 31393), (426, 31321), (436, 31291), (449, 31264), (455, 31255), (514, 31111), (591, 31015), (611, 30967), (647, 30907), (702, 30820), (719, 30775), (732, 30754), (768, 30682), (787, 30640), (798, 30598), (819, 30517), (834, 30469), (847, 30430), (855, 30394), (862, 30364), (873, 30334), (905, 30253), (920, 30214), (929, 30190), (935, 30172), (936, 30169), (985, 30043), (1007, 29983), (1043, 29896), (1060, 29848), (1065, 29836), (1071, 29827),

Gene: Quisquiliae_61 Start: 54311, Stop: 52452, Start Num: 215
Candidate Starts for Quisquiliae_61:
(Start: 198 @54335 has 1 MA's), (Start: 215 @54311 has 328 MA's), (Start: 245 @54287 has 14 MA's), (Start: 258 @54281 has 2 MA's), (Start: 288 @54239 has 1 MA's), (300, 54218), (360, 54104), (363, 54098), (382, 54068), (418, 54008), (425, 53987), (442, 53933), (454, 53921), (464, 53903), (469, 53891), (511, 53786), (567, 53729), (590, 53693), (594, 53681), (603, 53657), (609, 53645), (620, 53627), (630, 53609), (641, 53591), (666, 53552), (670, 53543), (671, 53540), (673, 53537),

(813, 53180), (820, 53147), (856, 53033), (859, 53024), (881, 52961), (904, 52925), (905, 52922), (910, 52907), (939, 52829), (944, 52817), (950, 52796), (970, 52757), (1007, 52667), (1018, 52649), (1021, 52643), (1029, 52628), (1039, 52604), (1041, 52589), (1042, 52586), (1044, 52574), (1054, 52550), (1073, 52502), (1084, 52478),

Gene: Quokka_43 Start: 30374, Stop: 28545, Start Num: 253
Candidate Starts for Quokka_43:
(Start: 253 @30374 has 33 MA's), (386, 30170), (388, 30167), (391, 30161), (402, 30146), (413, 30131), (425, 30101), (426, 30098), (436, 30068), (449, 30041), (463, 30020), (474, 29990), (514, 29888), (591, 29795), (609, 29747), (618, 29738), (626, 29723), (666, 29657), (708, 29576), (732, 29528), (755, 29483), (819, 29303), (834, 29255), (836, 29252), (847, 29216), (862, 29150), (875, 29111), (899, 29090), (925, 29015), (931, 28997), (946, 28952), (956, 28925), (975, 28889), (985, 28871), (1003, 28835), (1007, 28811), (1041, 28733), (1060, 28676), (1065, 28664), (1071, 28655), (1091, 28607), (1106, 28577), (1112, 28559), (1114, 28556),

Gene: Qyrzula_52 Start: 52584, Stop: 50782, Start Num: 258
Candidate Starts for Qyrzula_52:
(Start: 215 @52611 has 328 MA's), (Start: 258 @52584 has 2 MA's), (Start: 282 @52554 has 7 MA's), (Start: 288 @52542 has 1 MA's), (Start: 304 @52515 has 2 MA's), (305, 52512), (314, 52503), (338, 52485), (388, 52389), (418, 52338), (426, 52314), (496, 52152), (506, 52128), (511, 52116), (567, 52059), (590, 52023), (594, 52011), (603, 51987), (648, 51909), (652, 51903), (658, 51894), (670, 51873), (671, 51870), (684, 51840), (753, 51696), (778, 51630), (792, 51591), (796, 51579), (800, 51558), (806, 51540), (820, 51483), (844, 51426), (850, 51399), (856, 51369), (859, 51360), (879, 51294), (902, 51267), (904, 51258), (910, 51240), (920, 51216), (939, 51162), (944, 51150), (950, 51129), (985, 51060), (1007, 51000), (1018, 50982), (1035, 50949), (1039, 50937), (1041, 50922), (1042, 50919), (1044, 50907), (1054, 50883), (1055, 50880), (1073, 50832), (1075, 50829), (1084, 50808), (1091, 50787),

Gene: RADical_44 Start: 32435, Stop: 30042, Start Num: 45
Candidate Starts for RADical_44:
(Start: 45 @32435 has 21 MA's), (59, 32429), (Start: 75 @32381 has 1 MA's), (93, 32339), (103, 32315), (152, 32189), (165, 32165), (213, 32120), (247, 32069), (260, 32054), (Start: 277 @32033 has 1 MA's), (307, 31985), (333, 31943), (367, 31868), (373, 31856), (417, 31787), (429, 31754), (434, 31739), (459, 31685), (461, 31682), (469, 31664), (476, 31643), (497, 31583), (537, 31460), (539, 31454), (569, 31385), (591, 31343), (668, 31256), (684, 31232), (706, 31226), (716, 31202), (720, 31193), (727, 31178), (733, 31166), (753, 31124), (754, 31121), (755, 31118), (807, 30971), (825, 30902), (827, 30896), (841, 30860), (853, 30803), (862, 30767), (874, 30731), (876, 30725), (880, 30719), (883, 30713), (905, 30656), (912, 30632), (925, 30587), (1057, 30209), (1058, 30206), (1072, 30161), (1076, 30152), (1101, 30092),

Gene: RER2_29 Start: 24985, Stop: 23201, Start Num: 254
Candidate Starts for RER2_29:
(Start: 254 @24985 has 935 MA's), (407, 24751), (422, 24721), (425, 24712), (426, 24709), (441, 24664), (449, 24652), (455, 24643), (474, 24601), (514, 24499), (548, 24478), (591, 24406), (606, 24361), (609, 24358), (636, 24316), (638, 24310), (647, 24295), (666, 24268), (719, 24163), (734, 24136), (755, 24097), (819, 23917), (834, 23869), (862, 23764), (863, 23761), (899, 23704), (904, 23683), (923, 23635), (948, 23560), (983, 23491), (1003, 23449), (1007, 23425), (1041, 23347), (1060, 23290), (1065, 23278), (1091, 23221),

Gene: RGL3_31 Start: 25970, Stop: 24174, Start Num: 254
Candidate Starts for RGL3_31:
(Start: 254 @25970 has 935 MA's), (386, 25766), (391, 25757), (413, 25727), (422, 25706), (443, 25643), (455, 25628), (463, 25616), (505, 25508), (514, 25484), (517, 25475), (567, 25433), (568,

25430), (591, 25391), (606, 25346), (609, 25343), (647, 25280), (659, 25259), (666, 25253), (719, 25148), (734, 25121), (755, 25082), (758, 25073), (768, 25055), (787, 25013), (819, 24890), (834, 24842), (862, 24737), (904, 24656), (908, 24644), (983, 24464), (985, 24458), (1003, 24422), (1004, 24419), (1007, 24398), (1060, 24263), (1065, 24251), (1071, 24242), (1085, 24212), (1091, 24194),

Gene: RSchmailzl_44 Start: 32591, Stop: 30198, Start Num: 45
Candidate Starts for RSchmailzl_44:
(Start: 45 @32591 has 21 MA's), (59, 32585), (Start: 75 @32537 has 1 MA's), (93, 32495), (103, 32471), (152, 32345), (165, 32321), (213, 32276), (247, 32225), (260, 32210), (Start: 277 @32189 has 1 MA's), (326, 32108), (333, 32099), (367, 32024), (373, 32012), (417, 31943), (434, 31895), (459, 31841), (461, 31838), (469, 31820), (476, 31799), (497, 31739), (537, 31616), (539, 31610), (569, 31541), (591, 31499), (668, 31412), (684, 31388), (706, 31382), (716, 31358), (720, 31349), (727, 31334), (733, 31322), (753, 31280), (754, 31277), (755, 31274), (807, 31127), (825, 31058), (827, 31052), (862, 30923), (874, 30887), (876, 30881), (880, 30875), (883, 30869), (905, 30812), (912, 30788), (925, 30743), (1058, 30362), (1072, 30317), (1076, 30308), (1101, 30248),

Gene: Raccoon_38 Start: 29022, Stop: 27157, Start Num: 339
Candidate Starts for Raccoon_38:
(Start: 339 @29022 has 121 MA's), (Start: 342 @29013 has 5 MA's), (471, 28749), (476, 28734), (478, 28728), (525, 28596), (540, 28542), (582, 28455), (588, 28446), (591, 28434), (600, 28407), (601, 28404), (612, 28389), (634, 28383), (789, 28053), (855, 27840), (858, 27831), (859, 27828), (862, 27810), (876, 27768), (884, 27753), (912, 27681), (918, 27654), (970, 27522), (982, 27492), (1004, 27423), (1007, 27399), (1025, 27360), (1040, 27315),

Gene: Racecar_100 Start: 78450, Stop: 80246, Start Num: 265
Candidate Starts for Racecar_100:
(Start: 265 @78450 has 10 MA's), (334, 78546), (454, 78762), (467, 78789), (470, 78795), (504, 78864), (517, 78900), (632, 79047), (635, 79053), (647, 79074), (657, 79089), (755, 79278), (777, 79323), (790, 79356), (795, 79374), (803, 79407), (815, 79446), (819, 79467), (822, 79473), (853, 79587), (874, 79671), (876, 79677), (884, 79689), (903, 79737), (906, 79749), (920, 79785), (932, 79818), (935, 79827), (950, 79872), (958, 79890), (996, 79974), (1003, 79995), (1008, 80022), (1018, 80037), (1035, 80070), (1040, 80094), (1045, 80118), (1060, 80154), (1075, 80181),

Gene: Rachaly_45 Start: 31989, Stop: 30202, Start Num: 254
Candidate Starts for Rachaly_45:
(Start: 254 @31989 has 935 MA's), (388, 31782), (391, 31776), (413, 31746), (426, 31713), (427, 31710), (441, 31668), (449, 31656), (514, 31503), (591, 31410), (609, 31362), (618, 31353), (626, 31338), (666, 31272), (732, 31143), (798, 30999), (819, 30918), (836, 30867), (846, 30834), (847, 30831), (862, 30765), (875, 30726), (899, 30705), (925, 30630), (929, 30618), (956, 30540), (975, 30504), (985, 30486), (1003, 30450), (1007, 30426), (1041, 30348), (1060, 30291), (1065, 30279), (1071, 30270),

Gene: RagingRooster_57 Start: 53332, Stop: 51515, Start Num: 256
Candidate Starts for RagingRooster_57:
(137, 53515), (Start: 256 @53332 has 51 MA's), (280, 53302), (391, 53122), (463, 52969), (467, 52957), (481, 52927), (489, 52921), (511, 52858), (513, 52852), (567, 52801), (588, 52774), (590, 52765), (609, 52717), (671, 52612), (718, 52516), (747, 52465), (796, 52321), (806, 52282), (814, 52252), (820, 52225), (824, 52213), (854, 52117), (856, 52111), (859, 52102), (861, 52090), (893, 52018), (904, 51988), (910, 51970), (915, 51961), (939, 51892), (944, 51880), (950, 51859), (985, 51790), (996, 51775), (1004, 51751), (1007, 51730), (1018, 51712), (1021, 51706), (1037, 51673), (1039, 51667), (1042, 51649), (1044, 51637), (1050, 51625), (1054, 51613), (1070, 51571), (1084, 51541),

Gene: Rahalelujah_44 Start: 30731, Stop: 28938, Start Num: 254
Candidate Starts for Rahalelujah_44:
(Start: 254 @30731 has 935 MA's), (261, 30722), (289, 30680), (349, 30593), (386, 30527), (391, 30518), (396, 30509), (409, 30491), (427, 30449), (436, 30422), (441, 30407), (449, 30395), (474, 30344), (514, 30242), (587, 30164), (591, 30149), (618, 30092), (680, 29981), (728, 29885), (759, 29822), (785, 29783), (787, 29777), (819, 29654), (850, 29558), (855, 29531), (862, 29501), (875, 29462), (904, 29420), (946, 29303), (983, 29228), (1003, 29186), (1041, 29084), (1060, 29027), (1065, 29015), (1071, 29006),

Gene: Raid_44 Start: 34729, Stop: 32903, Start Num: 254
Candidate Starts for Raid_44:
(Start: 254 @34729 has 935 MA's), (391, 34516), (426, 34453), (436, 34423), (443, 34402), (449, 34396), (455, 34387), (467, 34363), (504, 34270), (514, 34243), (591, 34150), (596, 34135), (639, 34051), (641, 34048), (680, 33982), (701, 33952), (711, 33922), (734, 33877), (755, 33838), (819, 33658), (834, 33610), (847, 33571), (862, 33505), (875, 33466), (899, 33445), (904, 33424), (910, 33406), (935, 33340), (1003, 33190), (1004, 33187), (1012, 33151), (1029, 33127), (1034, 33118), (1038, 33106), (1060, 33031), (1071, 33010),

Gene: RainyPolka_49 Start: 39380, Stop: 37371, Start Num: 327
Candidate Starts for RainyPolka_49:
(Start: 327 @39380 has 11 MA's), (371, 39311), (393, 39269), (413, 39242), (435, 39179), (437, 39173), (438, 39167), (463, 39119), (467, 39107), (477, 39080), (487, 39056), (507, 38996), (515, 38972), (526, 38933), (528, 38930), (550, 38846), (589, 38750), (628, 38663), (645, 38639), (653, 38627), (662, 38615), (700, 38546), (801, 38294), (806, 38279), (822, 38222), (826, 38207), (829, 38201), (841, 38159), (848, 38129), (855, 38096), (863, 38063), (867, 38042), (872, 38024), (878, 38000), (891, 37943), (920, 37859), (927, 37841), (929, 37835), (931, 37829), (936, 37814), (939, 37805), (989, 37673), (1003, 37628), (1007, 37604), (1008, 37601), (1038, 37547), (1041, 37529), (1053, 37496), (1060, 37472), (1071, 37451), (1083, 37424),

Gene: Rajelicia_46 Start: 35200, Stop: 33413, Start Num: 254
Candidate Starts for Rajelicia_46:
(Start: 254 @35200 has 935 MA's), (391, 34987), (400, 34972), (436, 34894), (443, 34873), (449, 34867), (455, 34858), (504, 34741), (514, 34714), (591, 34621), (596, 34606), (639, 34522), (641, 34519), (680, 34453), (701, 34423), (711, 34393), (734, 34348), (755, 34309), (819, 34129), (834, 34081), (847, 34042), (862, 33976), (902, 33904), (904, 33895), (935, 33811), (971, 33724), (1029, 33598), (1035, 33586), (1060, 33502), (1063, 33496),

Gene: RanchParmCat_48 Start: 34005, Stop: 31612, Start Num: 57
Candidate Starts for RanchParmCat_48:
(28, 34134), (30, 34125), (Start: 57 @34005 has 26 MA's), (Start: 82 @33939 has 1 MA's), (112, 33873), (129, 33816), (152, 33777), (165, 33753), (176, 33732), (260, 33642), (294, 33594), (303, 33579), (333, 33531), (346, 33501), (371, 33450), (373, 33444), (376, 33438), (417, 33366), (426, 33342), (434, 33318), (469, 33243), (476, 33222), (497, 33162), (515, 33117), (530, 33069), (567, 32961), (569, 32955), (609, 32874), (668, 32826), (722, 32766), (754, 32694), (774, 32652), (778, 32640), (816, 32499), (823, 32475), (825, 32466), (841, 32424), (862, 32331), (874, 32295), (876, 32289), (883, 32277), (897, 32253), (905, 32220), (912, 32196), (915, 32178), (947, 32085), (988, 31989), (991, 31977), (993, 31974), (1004, 31938), (1006, 31917), (1020, 31884), (1032, 31866), (1049, 31797), (1058, 31770), (1064, 31746), (1108, 31638), (1113, 31626),

Gene: Rapheph_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for Rapheph_39:
(Start: 275 @29017 has 3 MA's), (Start: 277 @29014 has 1 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654),

(476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (725, 28123), (749, 28063), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (884, 27661), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: Raptor_39 Start: 28934, Stop: 27069, Start Num: 339
Candidate Starts for Raptor_39:
(Start: 275 @29021 has 3 MA's), (Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (472, 28658), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (587, 28361), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (725, 28127), (749, 28067), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: Rasputia_89 Start: 56570, Stop: 58606, Start Num: 250
Candidate Starts for Rasputia_89:
(Start: 250 @56570 has 5 MA's), (260, 56582), (292, 56627), (318, 56669), (Start: 342 @56711 has 5 MA's), (426, 56894), (427, 56897), (431, 56909), (444, 56948), (448, 56954), (497, 57086), (509, 57116), (544, 57230), (592, 57323), (601, 57350), (664, 57416), (683, 57458), (692, 57473), (714, 57512), (719, 57524), (723, 57530), (729, 57545), (752, 57611), (830, 57812), (862, 57926), (912, 58061), (935, 58136), (946, 58169), (979, 58241), (993, 58283), (1000, 58307), (1004, 58319), (1007, 58343), (1009, 58349), (1015, 58364), (1030, 58394), (1036, 58412), (1042, 58439), (1043, 58445), (1051, 58472), (1058, 58493), (1061, 58511), (1065, 58523), (1072, 58541), (1098, 58601),

Gene: Rasputin_36 Start: 28083, Stop: 26299, Start Num: 254
Candidate Starts for Rasputin_36:
(Start: 254 @28083 has 935 MA's), (407, 27849), (422, 27819), (425, 27810), (426, 27807), (441, 27762), (449, 27750), (474, 27699), (514, 27597), (548, 27576), (591, 27504), (606, 27459), (609, 27456), (636, 27414), (638, 27408), (647, 27393), (666, 27366), (719, 27261), (725, 27252), (734, 27234), (755, 27195), (787, 27138), (819, 27015), (834, 26967), (862, 26862), (863, 26859), (899, 26802), (904, 26781), (923, 26733), (948, 26658), (983, 26589), (1003, 26547), (1007, 26523), (1041, 26445), (1060, 26388), (1065, 26376), (1071, 26367), (1085, 26337), (1091, 26319),

Gene: Ravana_48 Start: 30371, Stop: 28581, Start Num: 254
Candidate Starts for Ravana_48:
(Start: 254 @30371 has 935 MA's), (426, 30092), (427, 30089), (436, 30062), (449, 30035), (514, 29882), (591, 29789), (606, 29744), (609, 29741), (618, 29732), (711, 29561), (719, 29543), (732, 29522), (734, 29516), (755, 29477), (788, 29417), (798, 29378), (813, 29327), (815, 29318), (819, 29297), (836, 29246), (846, 29213), (855, 29174), (862, 29144), (899, 29084), (904, 29063), (920, 29021), (930, 28994), (935, 28979), (971, 28892), (1003, 28829), (1004, 28826), (1060, 28670), (1065, 28658), (1091, 28601),

Gene: RawrgerThat_54 Start: 54025, Stop: 52202, Start Num: 208
Candidate Starts for RawrgerThat_54:
(Start: 190 @54043 has 4 MA's), (Start: 208 @54025 has 32 MA's), (Start: 258 @54001 has 2 MA's), (280, 53974), (Start: 288 @53959 has 1 MA's), (300, 53938), (353, 53851), (415, 53746), (425, 53719), (430, 53704), (464, 53638), (477, 53608), (481, 53599), (487, 53596), (489, 53593), (496, 53566), (511, 53530), (567, 53473), (582, 53455), (590, 53437), (594, 53425), (605, 53398), (641, 53335), (666, 53296), (670, 53287), (671, 53284), (684, 53254), (706, 53218), (796, 52993), (797, 52990), (806, 52954), (820, 52897), (854, 52789), (856, 52783), (859, 52774), (904, 52675), (905, 52672), (910, 52657), (939, 52579), (944, 52567), (950, 52546), (953, 52537), (970, 52507), (985, 52477),

(1000, 52450), (1007, 52417), (1021, 52393), (1039, 52354), (1042, 52336), (1044, 52324), (1054, 52300), (1070, 52258), (1073, 52252), (1084, 52228),

Gene: ReMo_46 Start: 29740, Stop: 27950, Start Num: 254
Candidate Starts for ReMo_46:
(Start: 254 @29740 has 935 MA's), (371, 29566), (426, 29461), (427, 29458), (436, 29431), (449, 29404), (474, 29353), (514, 29251), (591, 29158), (606, 29113), (609, 29110), (618, 29101), (708, 28939), (719, 28912), (732, 28891), (734, 28885), (788, 28786), (798, 28747), (813, 28696), (819, 28666), (836, 28615), (846, 28582), (853, 28549), (855, 28543), (862, 28513), (899, 28453), (904, 28432), (920, 28390), (930, 28363), (935, 28348), (971, 28261), (1003, 28198), (1004, 28195), (1060, 28039), (1065, 28027), (1073, 28015),

Gene: Reba_48 Start: 31412, Stop: 29598, Start Num: 254
Candidate Starts for Reba_48:
(Start: 254 @31412 has 935 MA's), (284, 31373), (289, 31361), (386, 31208), (395, 31193), (426, 31136), (449, 31079), (455, 31070), (474, 31028), (494, 30977), (514, 30926), (591, 30833), (609, 30785), (626, 30761), (647, 30722), (666, 30695), (680, 30665), (727, 30572), (734, 30560), (758, 30512), (767, 30497), (819, 30341), (836, 30290), (846, 30257), (847, 30254), (862, 30188), (875, 30149), (905, 30077), (920, 30038), (929, 30014), (935, 29996), (946, 29963), (985, 29882), (1007, 29822), (1018, 29804), (1041, 29744), (1043, 29735), (1060, 29687), (1065, 29675), (1071, 29666),

Gene: Rebeuca_44 Start: 31493, Stop: 29658, Start Num: 254
Candidate Starts for Rebeuca_44:
(Start: 254 @31493 has 935 MA's), (289, 31442), (338, 31376), (386, 31289), (400, 31265), (422, 31229), (426, 31217), (449, 31160), (455, 31151), (514, 31007), (562, 30965), (591, 30914), (611, 30866), (647, 30806), (718, 30677), (719, 30674), (732, 30653), (734, 30647), (787, 30539), (819, 30416), (834, 30368), (855, 30293), (862, 30263), (875, 30224), (904, 30155), (905, 30152), (920, 30113), (929, 30089), (931, 30083), (935, 30071), (1007, 29882), (1021, 29858), (1043, 29795), (1060, 29747), (1065, 29735), (1071, 29726),

Gene: Reccee_58 Start: 54599, Stop: 52773, Start Num: 208
Candidate Starts for Reccee_58:
(155, 54677), (Start: 208 @54599 has 32 MA's), (280, 54545), (321, 54485), (390, 54374), (418, 54326), (464, 54224), (487, 54182), (498, 54146), (511, 54116), (590, 54023), (594, 54011), (603, 53987), (609, 53975), (620, 53957), (658, 53894), (671, 53870), (725, 53765), (797, 53576), (800, 53558), (814, 53510), (820, 53483), (854, 53375), (856, 53369), (859, 53360), (863, 53339), (893, 53276), (905, 53243), (910, 53228), (933, 53168), (939, 53150), (944, 53138), (950, 53117), (953, 53108), (955, 53105), (1007, 52988), (1021, 52964), (1039, 52925), (1041, 52910), (1042, 52907), (1050, 52883), (1054, 52871), (1055, 52868), (1075, 52820), (1084, 52799), (1091, 52778),

Gene: RedBaron_47 Start: 32770, Stop: 30377, Start Num: 45
Candidate Starts for RedBaron_47:
(Start: 45 @32770 has 21 MA's), (59, 32764), (Start: 75 @32716 has 1 MA's), (93, 32674), (103, 32650), (152, 32524), (165, 32500), (213, 32455), (247, 32404), (260, 32389), (Start: 277 @32368 has 1 MA's), (307, 32320), (333, 32278), (367, 32203), (373, 32191), (417, 32122), (429, 32089), (434, 32074), (459, 32020), (461, 32017), (469, 31999), (476, 31978), (497, 31918), (537, 31795), (539, 31789), (569, 31720), (591, 31678), (668, 31591), (684, 31567), (706, 31561), (716, 31537), (720, 31528), (727, 31513), (733, 31501), (753, 31459), (754, 31456), (755, 31453), (807, 31306), (825, 31237), (827, 31231), (841, 31195), (862, 31102), (864, 31093), (874, 31066), (876, 31060), (880, 31054), (883, 31048), (905, 30991), (912, 30967), (925, 30922), (1057, 30544), (1058, 30541), (1072, 30496), (1076, 30487), (1101, 30427),

Gene: RedMaple_62 Start: 54786, Stop: 52927, Start Num: 215

Candidate Starts for RedMaple_62:
(Start: 198 @54810 has 1 MA's), (Start: 215 @54786 has 328 MA's), (Start: 245 @54762 has 14 MA's), (Start: 258 @54756 has 2 MA's), (Start: 288 @54714 has 1 MA's), (300, 54693), (360, 54579), (363, 54573), (382, 54543), (418, 54483), (425, 54462), (442, 54408), (454, 54396), (464, 54378), (469, 54366), (511, 54261), (567, 54204), (590, 54168), (594, 54156), (603, 54132), (609, 54120), (620, 54102), (630, 54084), (641, 54066), (666, 54027), (670, 54018), (671, 54015), (673, 54012), (813, 53655), (820, 53622), (827, 53601), (856, 53508), (859, 53499), (881, 53436), (904, 53400), (905, 53397), (910, 53382), (939, 53304), (944, 53292), (950, 53271), (970, 53232), (1007, 53142), (1018, 53124), (1021, 53118), (1029, 53103), (1039, 53079), (1041, 53064), (1042, 53061), (1044, 53049), (1054, 53025), (1073, 52977), (1084, 52953),

Gene: RedRaider89_61 Start: 54477, Stop: 52618, Start Num: 215
Candidate Starts for RedRaider89_61:
(Start: 198 @54501 has 1 MA's), (Start: 215 @54477 has 328 MA's), (Start: 245 @54453 has 14 MA's), (Start: 258 @54447 has 2 MA's), (Start: 288 @54405 has 1 MA's), (300, 54384), (360, 54270), (363, 54264), (382, 54234), (418, 54174), (425, 54153), (442, 54099), (454, 54087), (464, 54069), (469, 54057), (511, 53952), (567, 53895), (590, 53859), (594, 53847), (603, 53823), (609, 53811), (620, 53793), (630, 53775), (666, 53718), (670, 53709), (671, 53706), (673, 53703), (783, 53448), (813, 53346), (820, 53313), (827, 53292), (856, 53199), (859, 53190), (881, 53127), (904, 53091), (905, 53088), (910, 53073), (939, 52995), (944, 52983), (950, 52962), (970, 52923), (1007, 52833), (1018, 52815), (1021, 52809), (1029, 52794), (1039, 52770), (1041, 52755), (1042, 52752), (1044, 52740), (1054, 52716), (1073, 52668), (1084, 52644),

Gene: RedRock_46 Start: 32469, Stop: 30682, Start Num: 254
Candidate Starts for RedRock_46:
(Start: 254 @32469 has 935 MA's), (386, 32265), (388, 32262), (402, 32241), (413, 32226), (426, 32193), (436, 32163), (449, 32136), (463, 32115), (514, 31983), (591, 31890), (609, 31842), (618, 31833), (626, 31818), (666, 31752), (708, 31671), (732, 31623), (768, 31551), (798, 31479), (819, 31398), (836, 31347), (846, 31314), (847, 31311), (862, 31245), (875, 31206), (899, 31185), (904, 31164), (985, 30966), (1003, 30930), (1004, 30927), (1007, 30906), (1037, 30849), (1041, 30828), (1060, 30771), (1065, 30759), (1071, 30750),

Gene: Redfield_38 Start: 29054, Stop: 27189, Start Num: 339
Candidate Starts for Redfield_38:
(Start: 339 @29054 has 121 MA's), (Start: 342 @29045 has 5 MA's), (471, 28781), (476, 28766), (478, 28760), (525, 28628), (540, 28574), (582, 28487), (588, 28478), (591, 28466), (600, 28439), (601, 28436), (612, 28421), (634, 28415), (789, 28085), (855, 27872), (858, 27863), (859, 27860), (862, 27842), (876, 27800), (897, 27770), (912, 27713), (970, 27554), (982, 27524), (1004, 27455), (1007, 27431), (1009, 27425), (1025, 27392), (1039, 27359), (1040, 27347),

Gene: Reedo_40 Start: 27887, Stop: 29797, Start Num: 254
Candidate Starts for Reedo_40:
(107, 27626), (151, 27752), (Start: 254 @27887 has 935 MA's), (Start: 288 @27935 has 1 MA's), (371, 28061), (386, 28091), (436, 28184), (443, 28205), (479, 28274), (593, 28526), (596, 28535), (647, 28634), (657, 28649), (732, 28787), (788, 28925), (798, 28964), (819, 29045), (847, 29132), (855, 29168), (860, 29189), (862, 29198), (929, 29363), (932, 29372), (1060, 29693), (1064, 29702),

Gene: Refuge_44 Start: 32644, Stop: 30800, Start Num: 254
Candidate Starts for Refuge_44:
(Start: 254 @32644 has 935 MA's), (Start: 282 @32608 has 7 MA's), (Start: 288 @32596 has 1 MA's), (289, 32593), (334, 32533), (338, 32527), (371, 32470), (391, 32431), (426, 32365), (427, 32362), (449, 32308), (463, 32287), (510, 32167), (514, 32155), (591, 32062), (609, 32014), (618, 32005), (626, 31990), (666, 31924), (690, 31876), (725, 31807), (767, 31726), (786, 31684), (798, 31639),

(806, 31612), (819, 31558), (836, 31507), (847, 31471), (862, 31405), (875, 31366), (899, 31345), (904, 31324), (975, 31144), (1003, 31090), (1004, 31087), (1007, 31066), (1037, 31009), (1041, 30988), (1060, 30931), (1065, 30919), (1091, 30862),

Gene: ReginaGlobina_98 Start: 78225, Stop: 79943, Start Num: 315
Candidate Starts for ReginaGlobina_98:
(Start: 265 @78150 has 10 MA's), (Start: 299 @78204 has 1 MA's), (Start: 304 @78213 has 2 MA's), (315, 78225), (438, 78444), (454, 78462), (467, 78489), (470, 78495), (517, 78600), (632, 78747), (647, 78774), (657, 78789), (686, 78843), (787, 79044), (795, 79071), (803, 79104), (815, 79143), (819, 79164), (822, 79170), (853, 79287), (874, 79371), (875, 79374), (903, 79437), (906, 79449), (920, 79485), (932, 79518), (950, 79572), (958, 79590), (1003, 79695), (1008, 79722), (1018, 79737), (1035, 79770), (1037, 79776), (1040, 79794), (1043, 79806), (1045, 79818), (1048, 79821), (1060, 79854), (1085, 79905),

Gene: Relief_44 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for Relief_44:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Remus_47 Start: 29659, Stop: 27869, Start Num: 254
Candidate Starts for Remus_47:
(Start: 254 @29659 has 935 MA's), (371, 29485), (426, 29380), (427, 29377), (436, 29350), (449, 29323), (474, 29272), (514, 29170), (591, 29077), (606, 29032), (609, 29029), (618, 29020), (708, 28858), (719, 28831), (732, 28810), (734, 28804), (788, 28705), (798, 28666), (813, 28615), (819, 28585), (836, 28534), (846, 28501), (855, 28462), (862, 28432), (899, 28372), (904, 28351), (920, 28309), (930, 28282), (971, 28180), (1003, 28117), (1004, 28114), (1060, 27958), (1065, 27946), (1073, 27934),

Gene: RemusLoopin_36 Start: 28123, Stop: 30075, Start Num: 254
Candidate Starts for RemusLoopin_36:
(Start: 254 @28123 has 935 MA's), (271, 28144), (305, 28204), (386, 28333), (421, 28390), (436, 28435), (437, 28438), (516, 28621), (577, 28672), (593, 28711), (618, 28768), (626, 28783), (639, 28810), (644, 28819), (647, 28822), (648, 28825), (658, 28840), (678, 28873), (719, 28954), (732, 28975), (736, 28987), (783, 29119), (819, 29254), (834, 29302), (847, 29341), (848, 29344), (853, 29371), (860, 29398), (862, 29407), (873, 29437), (884, 29461), (910, 29524), (971, 29680), (996, 29722), (1000, 29734), (1007, 29767), (1012, 29782), (1021, 29791), (1035, 29818), (1060, 29902), (1065, 29914), (1094, 29977),

Gene: RenegadeRaider_39 Start: 28571, Stop: 26721, Start Num: 335
Candidate Starts for RenegadeRaider_39:
(Start: 335 @28571 has 20 MA's), (398, 28448), (419, 28415), (469, 28304), (476, 28283), (478, 28277), (483, 28268), (496, 28226), (554, 28070), (582, 28016), (587, 28010), (588, 28007), (591, 27995), (601, 27965), (654, 27908), (757, 27692), (789, 27614), (855, 27404), (859, 27392), (862, 27374), (876, 27332), (912, 27245), (982, 27056), (985, 27047), (1004, 26987), (1007, 26963), (1015, 26942), (1022, 26930), (1058, 26819),

Gene: Renkei_52 Start: 53005, Stop: 51182, Start Num: 208
Candidate Starts for Renkei_52:
(Start: 190 @53023 has 4 MA's), (Start: 208 @53005 has 32 MA's), (Start: 258 @52981 has 2 MA's), (280, 52954), (Start: 288 @52939 has 1 MA's), (300, 52918), (353, 52831), (415, 52726), (430, 52684),

(464, 52618), (477, 52588), (481, 52579), (487, 52576), (489, 52573), (567, 52453), (582, 52435), (590, 52417), (594, 52405), (599, 52390), (605, 52378), (670, 52267), (671, 52264), (684, 52234), (706, 52198), (796, 51973), (797, 51970), (806, 51934), (813, 51910), (820, 51877), (854, 51769), (856, 51763), (859, 51754), (904, 51655), (905, 51652), (910, 51637), (939, 51559), (944, 51547), (950, 51526), (953, 51517), (970, 51487), (985, 51457), (1000, 51430), (1007, 51397), (1018, 51379), (1021, 51373), (1039, 51334), (1042, 51316), (1044, 51304), (1054, 51280), (1070, 51238), (1073, 51232), (1084, 51208),

Gene: Renzie_39 Start: 28913, Stop: 27057, Start Num: 342
Candidate Starts for Renzie_39:
(Start: 275 @29009 has 3 MA's), (Start: 339 @28922 has 121 MA's), (Start: 342 @28913 has 5 MA's), (392, 28808), (398, 28799), (418, 28769), (419, 28766), (472, 28646), (476, 28634), (478, 28628), (518, 28523), (525, 28496), (582, 28355), (587, 28349), (588, 28346), (591, 28334), (600, 28307), (601, 28304), (612, 28289), (634, 28283), (637, 28277), (657, 28244), (725, 28115), (749, 28055), (855, 27740), (858, 27731), (859, 27728), (862, 27710), (876, 27668), (880, 27662), (895, 27638), (912, 27581), (970, 27422), (982, 27392), (985, 27383), (1004, 27323), (1007, 27299), (1025, 27260), (1039, 27227), (1040, 27215), (1058, 27155),

Gene: Reprobate_57 Start: 54575, Stop: 52746, Start Num: 208
Candidate Starts for Reprobate_57:
(Start: 208 @54575 has 32 MA's), (Start: 239 @54554 has 1 MA's), (Start: 258 @54545 has 2 MA's), (280, 54518), (Start: 288 @54503 has 1 MA's), (338, 54446), (425, 54278), (463, 54200), (469, 54185), (477, 54167), (487, 54155), (498, 54119), (511, 54089), (590, 53996), (594, 53984), (595, 53981), (603, 53960), (605, 53957), (609, 53948), (620, 53930), (658, 53867), (671, 53843), (725, 53738), (774, 53615), (783, 53591), (792, 53564), (796, 53552), (797, 53549), (800, 53531), (806, 53513), (814, 53483), (820, 53456), (840, 53405), (856, 53342), (859, 53333), (893, 53249), (905, 53216), (910, 53201), (933, 53141), (939, 53123), (944, 53111), (950, 53090), (953, 53081), (955, 53078), (1007, 52961), (1018, 52943), (1021, 52937), (1039, 52898), (1040, 52886), (1041, 52883), (1044, 52868), (1050, 52856), (1054, 52844), (1070, 52802), (1075, 52793), (1084, 52772), (1091, 52751),

Gene: ResDef_44 Start: 31597, Stop: 29759, Start Num: 254
Candidate Starts for ResDef_44:
(Start: 254 @31597 has 935 MA's), (289, 31546), (386, 31393), (426, 31321), (436, 31291), (449, 31264), (455, 31255), (514, 31111), (591, 31015), (611, 30967), (647, 30907), (702, 30820), (719, 30775), (732, 30754), (768, 30682), (787, 30640), (798, 30598), (819, 30517), (834, 30469), (847, 30430), (855, 30394), (862, 30364), (873, 30334), (905, 30253), (920, 30214), (929, 30190), (935, 30172), (936, 30169), (985, 30043), (1007, 29983), (1043, 29896), (1060, 29848), (1065, 29836), (1071, 29827),

Gene: Retro23_45 Start: 31674, Stop: 29887, Start Num: 254
Candidate Starts for Retro23_45:
(Start: 254 @31674 has 935 MA's), (386, 31470), (388, 31467), (391, 31461), (402, 31446), (413, 31431), (426, 31398), (427, 31395), (436, 31368), (449, 31341), (463, 31320), (514, 31188), (591, 31095), (603, 31059), (609, 31047), (618, 31038), (626, 31023), (666, 30957), (708, 30876), (732, 30828), (734, 30822), (767, 30759), (819, 30603), (836, 30552), (846, 30519), (847, 30516), (862, 30450), (875, 30411), (899, 30390), (925, 30315), (929, 30303), (975, 30189), (985, 30171), (1003, 30135), (1007, 30111), (1041, 30033), (1060, 29976), (1065, 29964), (1071, 29955),

Gene: RexFury_36 Start: 28144, Stop: 26360, Start Num: 254
Candidate Starts for RexFury_36:
(Start: 254 @28144 has 935 MA's), (407, 27910), (422, 27880), (425, 27871), (426, 27868), (441, 27823), (449, 27811), (474, 27760), (514, 27658), (548, 27637), (591, 27565), (606, 27520), (609, 27517), (636, 27475), (638, 27469), (647, 27454), (666, 27427), (719, 27322), (725, 27313), (734,

27295), (735, 27292), (755, 27256), (787, 27199), (819, 27076), (834, 27028), (862, 26923), (863, 26920), (899, 26863), (904, 26842), (905, 26839), (923, 26794), (948, 26719), (983, 26650), (1003, 26608), (1007, 26584), (1041, 26506), (1060, 26449), (1065, 26437), (1071, 26428), (1085, 26398), (1091, 26380),

Gene: Rhinoforte_57 Start: 52610, Stop: 50781, Start Num: 215
Candidate Starts for Rhinoforte_57:
(Start: 215 @52610 has 328 MA's), (Start: 258 @52583 has 2 MA's), (Start: 282 @52553 has 7 MA's), (Start: 288 @52541 has 1 MA's), (Start: 304 @52514 has 2 MA's), (305, 52511), (314, 52502), (338, 52484), (388, 52388), (418, 52337), (426, 52313), (433, 52289), (496, 52151), (506, 52127), (511, 52115), (567, 52058), (590, 52022), (594, 52010), (603, 51986), (652, 51902), (670, 51872), (671, 51869), (684, 51839), (753, 51695), (778, 51629), (792, 51590), (796, 51578), (800, 51557), (806, 51539), (820, 51482), (844, 51425), (850, 51398), (856, 51368), (859, 51359), (879, 51293), (902, 51266), (904, 51257), (910, 51239), (920, 51215), (939, 51161), (944, 51149), (950, 51128), (985, 51059), (1007, 50999), (1018, 50981), (1035, 50948), (1039, 50936), (1041, 50921), (1042, 50918), (1044, 50906), (1054, 50882), (1055, 50879), (1073, 50831), (1075, 50828), (1084, 50807), (1091, 50786),

Gene: Rhodalysa_36 Start: 28113, Stop: 26329, Start Num: 254
Candidate Starts for Rhodalysa_36:
(Start: 254 @28113 has 935 MA's), (407, 27879), (422, 27849), (425, 27840), (426, 27837), (441, 27792), (449, 27780), (474, 27729), (514, 27627), (548, 27606), (591, 27534), (606, 27489), (609, 27486), (636, 27444), (638, 27438), (647, 27423), (666, 27396), (719, 27291), (725, 27282), (734, 27264), (735, 27261), (755, 27225), (819, 27045), (834, 26997), (862, 26892), (863, 26889), (899, 26832), (904, 26811), (923, 26763), (948, 26688), (983, 26619), (1003, 26577), (1007, 26553), (1041, 26475), (1060, 26418), (1065, 26406), (1071, 26397), (1085, 26367), (1091, 26349),

Gene: RhynO_45 Start: 31292, Stop: 29457, Start Num: 254
Candidate Starts for RhynO_45:
(Start: 254 @31292 has 935 MA's), (289, 31241), (338, 31175), (386, 31088), (400, 31064), (422, 31028), (426, 31016), (449, 30959), (455, 30950), (491, 30866), (505, 30830), (510, 30818), (514, 30806), (591, 30713), (611, 30665), (647, 30605), (718, 30476), (719, 30473), (732, 30452), (734, 30446), (787, 30338), (819, 30215), (834, 30167), (855, 30092), (862, 30062), (875, 30023), (904, 29954), (905, 29951), (920, 29912), (929, 29888), (931, 29882), (935, 29870), (977, 29762), (1007, 29681), (1021, 29657), (1043, 29594), (1060, 29546), (1065, 29534), (1071, 29525),

Gene: Rhynn_44 Start: 34513, Stop: 32687, Start Num: 254
Candidate Starts for Rhynn_44:
(Start: 254 @34513 has 935 MA's), (391, 34300), (426, 34237), (436, 34207), (443, 34186), (449, 34180), (455, 34171), (504, 34054), (514, 34027), (591, 33934), (596, 33919), (609, 33886), (639, 33835), (641, 33832), (680, 33766), (701, 33736), (711, 33706), (734, 33661), (755, 33622), (819, 33442), (834, 33394), (847, 33355), (862, 33289), (875, 33250), (899, 33229), (904, 33208), (910, 33190), (935, 33124), (1003, 32974), (1004, 32971), (1012, 32935), (1029, 32911), (1034, 32902), (1038, 32890), (1060, 32815), (1071, 32794),

Gene: Rich_58 Start: 55836, Stop: 53983, Start Num: 208
Candidate Starts for Rich_58:
(122, 55995), (155, 55914), (Start: 208 @55836 has 32 MA's), (Start: 239 @55791 has 1 MA's), (280, 55755), (321, 55695), (390, 55584), (464, 55434), (487, 55392), (498, 55356), (511, 55326), (590, 55233), (594, 55221), (603, 55197), (609, 55185), (620, 55167), (658, 55104), (671, 55080), (725, 54975), (797, 54786), (800, 54768), (814, 54720), (820, 54693), (827, 54672), (854, 54585), (856, 54579), (859, 54570), (863, 54549), (893, 54486), (905, 54453), (910, 54438), (933, 54378), (939, 54360), (944, 54348), (950, 54327), (953, 54318), (955, 54315), (1007, 54198), (1021, 54174), (1039,

54135), (1041, 54120), (1042, 54117), (1054, 54081), (1055, 54078), (1084, 54009),

Gene: Ricotta_60 Start: 54043, Stop: 52184, Start Num: 215
Candidate Starts for Ricotta_60:
(Start: 198 @54067 has 1 MA's), (Start: 215 @54043 has 328 MA's), (Start: 245 @54019 has 14 MA's), (Start: 258 @54013 has 2 MA's), (Start: 288 @53971 has 1 MA's), (300, 53950), (360, 53836), (363, 53830), (382, 53800), (418, 53740), (425, 53719), (442, 53665), (454, 53653), (464, 53635), (469, 53623), (511, 53518), (567, 53461), (590, 53425), (594, 53413), (603, 53389), (609, 53377), (620, 53359), (630, 53341), (641, 53323), (666, 53284), (670, 53275), (671, 53272), (673, 53269), (783, 53014), (813, 52912), (820, 52879), (827, 52858), (856, 52765), (859, 52756), (881, 52693), (904, 52657), (905, 52654), (910, 52639), (939, 52561), (944, 52549), (950, 52528), (970, 52489), (1007, 52399), (1018, 52381), (1021, 52375), (1029, 52360), (1039, 52336), (1041, 52321), (1042, 52318), (1044, 52306), (1054, 52282), (1073, 52234), (1084, 52210),

Gene: RidgeCB_44 Start: 34287, Stop: 32458, Start Num: 254
Candidate Starts for RidgeCB_44:
(Start: 254 @34287 has 935 MA's), (391, 34074), (426, 34011), (436, 33981), (443, 33960), (449, 33954), (504, 33828), (514, 33801), (591, 33708), (596, 33693), (639, 33609), (641, 33606), (680, 33540), (701, 33510), (711, 33480), (734, 33435), (755, 33396), (819, 33216), (834, 33168), (850, 33120), (859, 33081), (862, 33063), (875, 33024), (899, 33003), (904, 32982), (909, 32967), (953, 32844), (1035, 32673), (1040, 32649), (1057, 32601), (1060, 32589), (1071, 32568), (1075, 32562), (1094, 32514), (1101, 32499),

Gene: Rifter_47 Start: 29753, Stop: 27954, Start Num: 254
Candidate Starts for Rifter_47:
(Start: 254 @29753 has 935 MA's), (386, 29549), (391, 29540), (426, 29474), (427, 29471), (436, 29444), (441, 29429), (449, 29417), (474, 29366), (510, 29276), (514, 29264), (591, 29171), (609, 29123), (618, 29114), (717, 28931), (792, 28781), (819, 28676), (836, 28619), (847, 28583), (850, 28574), (855, 28547), (862, 28517), (875, 28478), (899, 28457), (908, 28424), (910, 28418), (946, 28319), (975, 28256), (1003, 28202), (1007, 28178), (1037, 28121), (1060, 28043), (1065, 28031), (1071, 28022), (1073, 28019),

Gene: Riggan_61 Start: 54343, Stop: 52484, Start Num: 215
Candidate Starts for Riggan_61:
(Start: 198 @54367 has 1 MA's), (Start: 215 @54343 has 328 MA's), (Start: 245 @54319 has 14 MA's), (Start: 258 @54313 has 2 MA's), (Start: 288 @54271 has 1 MA's), (300, 54250), (360, 54136), (363, 54130), (382, 54100), (418, 54040), (425, 54019), (442, 53965), (454, 53953), (464, 53935), (469, 53923), (511, 53818), (567, 53761), (590, 53725), (594, 53713), (605, 53686), (620, 53659), (630, 53641), (641, 53623), (666, 53584), (670, 53575), (671, 53572), (783, 53314), (813, 53212), (820, 53179), (827, 53158), (856, 53065), (859, 53056), (881, 52993), (904, 52957), (905, 52954), (910, 52939), (939, 52861), (944, 52849), (950, 52828), (970, 52789), (1007, 52699), (1018, 52681), (1021, 52675), (1029, 52660), (1039, 52636), (1041, 52621), (1042, 52618), (1044, 52606), (1054, 52582), (1073, 52534), (1084, 52510),

Gene: Rimu_60 Start: 54511, Stop: 52652, Start Num: 215
Candidate Starts for Rimu_60:
(Start: 198 @54535 has 1 MA's), (Start: 215 @54511 has 328 MA's), (Start: 245 @54487 has 14 MA's), (Start: 258 @54481 has 2 MA's), (Start: 288 @54439 has 1 MA's), (300, 54418), (360, 54304), (363, 54298), (382, 54268), (418, 54208), (425, 54187), (442, 54133), (454, 54121), (464, 54103), (469, 54091), (511, 53986), (567, 53929), (590, 53893), (594, 53881), (603, 53857), (609, 53845), (620, 53827), (630, 53809), (641, 53791), (666, 53752), (670, 53743), (671, 53740), (673, 53737), (783, 53482), (813, 53380), (820, 53347), (827, 53326), (856, 53233), (859, 53224), (881, 53161), (904, 53125), (905, 53122), (910, 53107), (939, 53029), (944, 53017), (950, 52996), (970, 52957),

(1007, 52867), (1018, 52849), (1021, 52843), (1029, 52828), (1039, 52804), (1041, 52789), (1042, 52786), (1044, 52774), (1054, 52750), (1060, 52729), (1073, 52702), (1084, 52678),

Gene: Ringer_46 Start: 35532, Stop: 33745, Start Num: 254
Candidate Starts for Ringer_46:
(Start: 254 @35532 has 935 MA's), (391, 35319), (400, 35304), (436, 35226), (443, 35205), (449, 35199), (455, 35190), (504, 35073), (514, 35046), (591, 34953), (596, 34938), (609, 34905), (639, 34854), (641, 34851), (680, 34785), (701, 34755), (711, 34725), (734, 34680), (755, 34641), (819, 34461), (834, 34413), (847, 34374), (862, 34308), (902, 34236), (904, 34227), (935, 34143), (971, 34056), (1029, 33930), (1035, 33918), (1060, 33834), (1063, 33828),

Gene: Rings_55 Start: 36927, Stop: 34759, Start Num: 218
Candidate Starts for Rings_55:
(Start: 215 @36930 has 328 MA's), (Start: 218 @36927 has 14 MA's), (Start: 256 @36873 has 51 MA's), (309, 36789), (374, 36663), (389, 36636), (394, 36627), (420, 36582), (447, 36504), (451, 36495), (460, 36480), (466, 36465), (468, 36462), (491, 36405), (523, 36312), (538, 36270), (630, 36063), (634, 36057), (647, 36033), (659, 36012), (671, 35991), (679, 35976), (681, 35970), (713, 35907), (735, 35856), (763, 35769), (785, 35709), (798, 35661), (828, 35559), (830, 35553), (838, 35526), (839, 35523), (846, 35502), (856, 35460), (858, 35454), (863, 35430), (876, 35388), (877, 35385), (888, 35358), (901, 35325), (903, 35313), (916, 35277), (925, 35253), (927, 35247), (929, 35241), (947, 35187), (970, 35139), (971, 35136), (996, 35076), (1003, 35052), (1009, 35022), (1036, 34968), (1057, 34899), (1060, 34887), (1076, 34848),

Gene: Rinkes_56 Start: 54543, Stop: 52693, Start Num: 215
Candidate Starts for Rinkes_56:
(Start: 215 @54543 has 328 MA's), (287, 54474), (300, 54450), (372, 54330), (426, 54228), (433, 54204), (467, 54141), (469, 54138), (477, 54120), (494, 54075), (511, 54033), (567, 53976), (580, 53964), (590, 53940), (594, 53928), (603, 53904), (609, 53892), (658, 53805), (671, 53781), (679, 53763), (681, 53757), (684, 53751), (715, 53691), (732, 53667), (796, 53484), (797, 53481), (806, 53445), (814, 53415), (820, 53388), (827, 53367), (854, 53280), (856, 53274), (859, 53265), (881, 53202), (904, 53166), (905, 53163), (906, 53160), (910, 53148), (920, 53124), (939, 53070), (944, 53058), (950, 53037), (953, 53028), (958, 53019), (985, 52968), (996, 52953), (1004, 52929), (1007, 52908), (1021, 52884), (1029, 52869), (1039, 52845), (1040, 52833), (1041, 52830), (1054, 52791), (1062, 52767), (1063, 52764), (1070, 52749), (1084, 52719),

Gene: Rita130_57 Start: 54424, Stop: 52598, Start Num: 208
Candidate Starts for Rita130_57:
(122, 54583), (155, 54502), (Start: 208 @54424 has 32 MA's), (280, 54370), (321, 54310), (390, 54199), (418, 54151), (464, 54049), (487, 54007), (498, 53971), (511, 53941), (590, 53848), (594, 53836), (603, 53812), (609, 53800), (620, 53782), (658, 53719), (671, 53695), (673, 53692), (725, 53590), (797, 53401), (800, 53383), (814, 53335), (820, 53308), (854, 53200), (856, 53194), (859, 53185), (863, 53164), (893, 53101), (905, 53068), (910, 53053), (933, 52993), (939, 52975), (944, 52963), (950, 52942), (953, 52933), (955, 52930), (1007, 52813), (1021, 52789), (1039, 52750), (1041, 52735), (1042, 52732), (1050, 52708), (1054, 52696), (1055, 52693), (1075, 52645), (1084, 52624),

Gene: Rita1961_59 Start: 54042, Stop: 52225, Start Num: 256
Candidate Starts for Rita1961_59:
(137, 54225), (Start: 256 @54042 has 51 MA's), (280, 54012), (391, 53832), (463, 53679), (467, 53667), (481, 53637), (489, 53631), (511, 53568), (513, 53562), (567, 53511), (590, 53475), (609, 53427), (671, 53322), (718, 53226), (747, 53175), (796, 53031), (806, 52992), (814, 52962), (820, 52935), (824, 52923), (854, 52827), (856, 52821), (859, 52812), (861, 52800), (893, 52728), (904, 52698), (910, 52680), (915, 52671), (939, 52602), (944, 52590), (950, 52569), (985, 52500), (996, 52485), (1004, 52461), (1021, 52416), (1039, 52377), (1042, 52359), (1044, 52347), (1050, 52335),

(1054, 52323), (1070, 52281), (1084, 52251),

Gene: Riverton_60 Start: 54271, Stop: 52412, Start Num: 215
Candidate Starts for Riverton_60:
(Start: 198 @54295 has 1 MA's), (Start: 215 @54271 has 328 MA's), (Start: 245 @54247 has 14 MA's), (Start: 258 @54241 has 2 MA's), (Start: 288 @54199 has 1 MA's), (300, 54178), (360, 54064), (363, 54058), (382, 54028), (418, 53968), (425, 53947), (442, 53893), (454, 53881), (464, 53863), (469, 53851), (511, 53746), (567, 53689), (590, 53653), (594, 53641), (605, 53614), (609, 53605), (630, 53569), (666, 53512), (670, 53503), (671, 53500), (673, 53497), (783, 53242), (813, 53140), (820, 53107), (827, 53086), (856, 52993), (859, 52984), (881, 52921), (904, 52885), (905, 52882), (910, 52867), (939, 52789), (944, 52777), (950, 52756), (970, 52717), (1007, 52627), (1018, 52609), (1021, 52603), (1029, 52588), (1039, 52564), (1041, 52549), (1042, 52546), (1044, 52534), (1054, 52510), (1073, 52462), (1084, 52438),

Gene: Riyhil_39 Start: 28940, Stop: 27075, Start Num: 339
Candidate Starts for Riyhil_39:
(Start: 275 @29027 has 3 MA's), (Start: 277 @29024 has 1 MA's), (Start: 339 @28940 has 121 MA's), (Start: 342 @28931 has 5 MA's), (392, 28826), (398, 28817), (418, 28787), (419, 28784), (472, 28664), (476, 28652), (478, 28646), (518, 28541), (525, 28514), (582, 28373), (587, 28367), (588, 28364), (591, 28352), (600, 28325), (601, 28322), (612, 28307), (634, 28301), (637, 28295), (657, 28262), (725, 28133), (749, 28073), (855, 27758), (858, 27749), (859, 27746), (862, 27728), (876, 27686), (880, 27680), (884, 27671), (895, 27656), (912, 27599), (970, 27440), (982, 27410), (985, 27401), (1004, 27341), (1007, 27317), (1025, 27278), (1039, 27245), (1040, 27233), (1058, 27173),

Gene: Roary_43 Start: 30556, Stop: 28712, Start Num: 254
Candidate Starts for Roary_43:
(Start: 149 @30721 has 1 MA's), (Start: 254 @30556 has 935 MA's), (289, 30505), (371, 30382), (386, 30352), (413, 30313), (426, 30280), (436, 30250), (443, 30229), (449, 30223), (455, 30214), (494, 30121), (514, 30070), (591, 29974), (595, 29962), (600, 29947), (606, 29929), (609, 29926), (618, 29917), (647, 29863), (666, 29836), (690, 29788), (734, 29704), (759, 29653), (768, 29638), (815, 29491), (819, 29470), (830, 29440), (834, 29422), (836, 29419), (843, 29404), (847, 29383), (850, 29374), (855, 29347), (859, 29335), (862, 29317), (904, 29236), (908, 29224), (929, 29170), (941, 29134), (971, 29065), (983, 29044), (985, 29038), (1004, 28999), (1007, 28978), (1018, 28960), (1060, 28843), (1065, 28831),

Gene: Roberts_40 Start: 28660, Stop: 26870, Start Num: 236
Candidate Starts for Roberts_40:
(194, 28720), (Start: 215 @28696 has 328 MA's), (Start: 229 @28675 has 1 MA's), (Start: 236 @28660 has 5 MA's), (Start: 245 @28651 has 14 MA's), (328, 28528), (356, 28480), (437, 28342), (438, 28336), (467, 28288), (506, 28207), (509, 28201), (517, 28177), (591, 28108), (632, 28027), (647, 28000), (657, 27985), (692, 27922), (721, 27865), (734, 27841), (736, 27835), (755, 27799), (774, 27763), (803, 27691), (815, 27649), (822, 27622), (851, 27526), (856, 27502), (862, 27475), (875, 27436), (906, 27361), (932, 27292), (948, 27244), (956, 27223), (979, 27169), (984, 27154), (1008, 27088), (1037, 27031), (1041, 27010), (1042, 27007), (1045, 26989), (1054, 26974),

Gene: Robinson_39 Start: 28928, Stop: 27063, Start Num: 339
Candidate Starts for Robinson_39:
(Start: 275 @29015 has 3 MA's), (Start: 277 @29012 has 1 MA's), (Start: 339 @28928 has 121 MA's), (Start: 342 @28919 has 5 MA's), (392, 28814), (398, 28805), (418, 28775), (419, 28772), (472, 28652), (476, 28640), (478, 28634), (518, 28529), (525, 28502), (582, 28361), (587, 28355), (588, 28352), (591, 28340), (600, 28313), (601, 28310), (612, 28295), (634, 28289), (637, 28283), (657, 28250), (725, 28121), (749, 28061), (855, 27746), (858, 27737), (859, 27734), (862, 27716), (876, 27674), (880, 27668), (884, 27659), (895, 27644), (912, 27587), (970, 27428), (982, 27398), (985, 27389),

(1004, 27329), (1007, 27305), (1025, 27266), (1039, 27233), (1040, 27221), (1058, 27161),

Gene: Robyn_60 Start: 54190, Stop: 52331, Start Num: 215
Candidate Starts for Robyn_60:
(44, 54586), (72, 54499), (78, 54484), (83, 54478), (88, 54463), (94, 54445), (Start: 198 @54214 has 1 MA's), (Start: 215 @54190 has 328 MA's), (Start: 245 @54166 has 14 MA's), (Start: 258 @54160 has 2 MA's), (Start: 288 @54118 has 1 MA's), (300, 54097), (360, 53983), (363, 53977), (382, 53947), (418, 53887), (425, 53866), (442, 53812), (454, 53800), (469, 53770), (511, 53665), (567, 53608), (590, 53572), (594, 53560), (605, 53533), (609, 53524), (630, 53488), (641, 53470), (666, 53431), (670, 53422), (671, 53419), (813, 53059), (820, 53026), (827, 53005), (856, 52912), (859, 52903), (881, 52840), (904, 52804), (905, 52801), (910, 52786), (939, 52708), (944, 52696), (950, 52675), (970, 52636), (1007, 52546), (1018, 52528), (1021, 52522), (1029, 52507), (1039, 52483), (1041, 52468), (1042, 52465), (1044, 52453), (1054, 52429), (1073, 52381), (1084, 52357),

Gene: RockScotty_37 Start: 27507, Stop: 29489, Start Num: 253
Candidate Starts for RockScotty_37:
(Start: 253 @27507 has 33 MA's), (371, 27681), (386, 27711), (415, 27744), (427, 27777), (463, 27852), (473, 27879), (513, 27981), (568, 28080), (647, 28254), (666, 28281), (732, 28410), (788, 28548), (812, 28635), (819, 28668), (830, 28698), (847, 28755), (862, 28821), (903, 28914), (934, 29001), (1007, 29181), (1021, 29205), (1060, 29316), (1107, 29424),

Gene: Rockabye_103 Start: 71780, Stop: 73480, Start Num: 328
Candidate Starts for Rockabye_103:
(Start: 265 @71684 has 10 MA's), (Start: 304 @71747 has 2 MA's), (328, 71780), (418, 71915), (454, 71996), (467, 72023), (470, 72029), (517, 72134), (588, 72191), (632, 72281), (647, 72308), (657, 72323), (755, 72512), (761, 72527), (795, 72608), (803, 72641), (813, 72671), (815, 72680), (819, 72701), (822, 72707), (853, 72824), (874, 72908), (903, 72974), (906, 72986), (920, 73022), (932, 73055), (950, 73109), (963, 73136), (1008, 73259), (1010, 73265), (1035, 73307), (1037, 73313), (1040, 73331), (1060, 73391), (1085, 73442),

Gene: RockieBear_44 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for RockieBear_44:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Rockstar_45 Start: 30972, Stop: 29134, Start Num: 254
Candidate Starts for Rockstar_45:
(202, 31044), (Start: 254 @30972 has 935 MA's), (289, 30921), (386, 30768), (413, 30729), (426, 30696), (449, 30639), (455, 30630), (463, 30618), (505, 30510), (514, 30486), (591, 30390), (611, 30342), (647, 30282), (719, 30150), (732, 30129), (767, 30060), (787, 30015), (798, 29973), (819, 29892), (847, 29805), (855, 29769), (862, 29739), (905, 29628), (920, 29589), (929, 29565), (935, 29547), (983, 29424), (985, 29418), (1007, 29358), (1060, 29223), (1065, 29211), (1071, 29202),

Gene: Rog141_38 Start: 28619, Stop: 26754, Start Num: 339
Candidate Starts for Rog141_38:
(Start: 275 @28706 has 3 MA's), (Start: 277 @28703 has 1 MA's), (Start: 339 @28619 has 121 MA's), (Start: 342 @28610 has 5 MA's), (392, 28505), (398, 28496), (418, 28466), (419, 28463), (472, 28343), (476, 28331), (478, 28325), (518, 28220), (525, 28193), (582, 28052), (587, 28046), (588, 28043), (591, 28031), (600, 28004), (601, 28001), (612, 27986), (634, 27980), (637, 27974), (657, 27941), (725, 27812), (749, 27752), (855, 27437), (858, 27428), (859, 27425), (862, 27407), (876, 27365),

(880, 27359), (884, 27350), (895, 27335), (912, 27278), (970, 27119), (982, 27089), (985, 27080), (1004, 27020), (1007, 26996), (1025, 26957), (1039, 26924), (1040, 26912), (1058, 26852),

Gene: Rohr_45 Start: 34984, Stop: 33155, Start Num: 254
Candidate Starts for Rohr_45:
(Start: 254 @34984 has 935 MA's), (391, 34771), (400, 34756), (426, 34708), (436, 34678), (443, 34657), (449, 34651), (455, 34642), (504, 34525), (514, 34498), (591, 34405), (596, 34390), (639, 34306), (641, 34303), (680, 34237), (701, 34207), (711, 34177), (734, 34132), (755, 34093), (819, 33913), (834, 33865), (850, 33817), (859, 33778), (862, 33760), (875, 33721), (899, 33700), (904, 33679), (953, 33541), (1035, 33370), (1040, 33346), (1052, 33313), (1057, 33298), (1060, 33286), (1071, 33265), (1075, 33259), (1094, 33211), (1101, 33196),

Gene: Roimos_45 Start: 31351, Stop: 29513, Start Num: 254
Candidate Starts for Roimos_45:
(202, 31423), (Start: 254 @31351 has 935 MA's), (289, 31300), (386, 31147), (422, 31087), (426, 31075), (449, 31018), (455, 31009), (463, 30997), (505, 30889), (514, 30865), (591, 30769), (611, 30721), (647, 30661), (683, 30598), (719, 30529), (732, 30508), (767, 30439), (770, 30433), (787, 30394), (819, 30271), (847, 30184), (855, 30148), (862, 30118), (873, 30088), (905, 30007), (920, 29968), (929, 29944), (935, 29926), (985, 29797), (1007, 29737), (1060, 29602), (1065, 29590), (1071, 29581),

Gene: Roksolana_46 Start: 29675, Stop: 27834, Start Num: 254
Candidate Starts for Roksolana_46:
(Start: 229 @29705 has 1 MA's), (Start: 254 @29675 has 935 MA's), (386, 29471), (426, 29396), (427, 29393), (436, 29366), (441, 29351), (449, 29339), (474, 29288), (510, 29198), (514, 29186), (591, 29093), (605, 29054), (618, 29036), (626, 29021), (666, 28955), (681, 28922), (683, 28919), (735, 28817), (767, 28757), (798, 28673), (819, 28592), (846, 28508), (847, 28505), (850, 28496), (855, 28469), (862, 28439), (899, 28379), (910, 28340), (1003, 28124), (1004, 28121), (1007, 28100), (1060, 27965), (1065, 27953), (1071, 27944), (1073, 27941), (1111, 27848),

Gene: Roliet_58 Start: 53385, Stop: 51526, Start Num: 215
Candidate Starts for Roliet_58:
(Start: 198 @53409 has 1 MA's), (Start: 215 @53385 has 328 MA's), (Start: 245 @53361 has 14 MA's), (Start: 258 @53355 has 2 MA's), (Start: 288 @53313 has 1 MA's), (300, 53292), (360, 53178), (363, 53172), (382, 53142), (418, 53082), (425, 53061), (442, 53007), (454, 52995), (464, 52977), (469, 52965), (511, 52860), (567, 52803), (590, 52767), (594, 52755), (605, 52728), (609, 52719), (630, 52683), (666, 52626), (670, 52617), (671, 52614), (673, 52611), (783, 52356), (813, 52254), (820, 52221), (827, 52200), (856, 52107), (859, 52098), (881, 52035), (904, 51999), (905, 51996), (910, 51981), (939, 51903), (944, 51891), (950, 51870), (970, 51831), (1007, 51741), (1018, 51723), (1021, 51717), (1029, 51702), (1039, 51678), (1041, 51663), (1042, 51660), (1044, 51648), (1054, 51624), (1073, 51576), (1084, 51552),

Gene: Rollins_40 Start: 27521, Stop: 29389, Start Num: 238
Candidate Starts for Rollins_40:
(Start: 238 @27521 has 7 MA's), (Start: 241 @27524 has 65 MA's), (244, 27527), (Start: 299 @27596 has 1 MA's), (464, 27878), (474, 27905), (501, 27959), (605, 28124), (647, 28199), (659, 28220), (804, 28574), (819, 28634), (836, 28685), (853, 28751), (862, 28787), (903, 28880), (967, 29051), (1003, 29123), (1037, 29204), (1059, 29279), (1060, 29282), (1071, 29303), (1100, 29372),

Gene: RomaT_58 Start: 54241, Stop: 52424, Start Num: 256
Candidate Starts for RomaT_58:
(137, 54424), (Start: 256 @54241 has 51 MA's), (280, 54211), (391, 54031), (463, 53878), (467, 53866), (481, 53836), (489, 53830), (511, 53767), (513, 53761), (567, 53710), (588, 53683), (590,

53674), (609, 53626), (671, 53521), (718, 53425), (747, 53374), (796, 53230), (806, 53191), (814, 53161), (820, 53134), (824, 53122), (854, 53026), (856, 53020), (859, 53011), (861, 52999), (893, 52927), (904, 52897), (910, 52879), (915, 52870), (939, 52801), (944, 52789), (950, 52768), (985, 52699), (996, 52684), (1004, 52660), (1007, 52639), (1018, 52621), (1021, 52615), (1037, 52582), (1039, 52576), (1042, 52558), (1044, 52546), (1050, 52534), (1054, 52522), (1070, 52480), (1084, 52450),

Gene: Romney_45 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for Romney_45:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Rona_40 Start: 29912, Stop: 31783, Start Num: 241
Candidate Starts for Rona_40:
(Start: 241 @29912 has 65 MA's), (373, 30095), (395, 30134), (415, 30152), (439, 30224), (455, 30248), (463, 30260), (464, 30263), (501, 30344), (621, 30536), (647, 30584), (702, 30674), (766, 30815), (804, 30938), (819, 30998), (843, 31064), (845, 31079), (853, 31115), (856, 31124), (862, 31151), (903, 31244), (936, 31337), (967, 31415), (1003, 31487), (1012, 31526), (1037, 31568), (1053, 31622), (1060, 31646), (1071, 31667), (1081, 31691),

Gene: Roosevelt_44 Start: 31572, Stop: 29746, Start Num: 254
Candidate Starts for Roosevelt_44:
(Start: 254 @31572 has 935 MA's), (271, 31551), (289, 31521), (305, 31491), (413, 31329), (421, 31311), (449, 31239), (455, 31230), (505, 31110), (514, 31086), (591, 30993), (611, 30945), (626, 30924), (647, 30885), (719, 30753), (732, 30732), (755, 30687), (759, 30675), (815, 30522), (819, 30501), (855, 30378), (862, 30348), (875, 30309), (904, 30243), (905, 30240), (910, 30225), (920, 30201), (929, 30177), (1007, 29970), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: Rosa24_44 Start: 31601, Stop: 29775, Start Num: 254
Candidate Starts for Rosa24_44:
(Start: 254 @31601 has 935 MA's), (271, 31580), (289, 31550), (305, 31520), (413, 31358), (421, 31340), (449, 31268), (455, 31259), (505, 31139), (514, 31115), (591, 31022), (611, 30974), (626, 30953), (647, 30914), (719, 30782), (732, 30761), (755, 30716), (759, 30704), (815, 30551), (819, 30530), (855, 30407), (862, 30377), (875, 30338), (904, 30272), (905, 30269), (910, 30254), (920, 30230), (929, 30206), (1007, 29999), (1060, 29864), (1065, 29852), (1071, 29843),

Gene: Rosalind_46 Start: 29862, Stop: 28072, Start Num: 254
Candidate Starts for Rosalind_46:
(Start: 254 @29862 has 935 MA's), (371, 29688), (426, 29583), (427, 29580), (436, 29553), (449, 29526), (474, 29475), (514, 29373), (591, 29280), (606, 29235), (609, 29232), (618, 29223), (708, 29061), (719, 29034), (732, 29013), (734, 29007), (788, 28908), (798, 28869), (813, 28818), (819, 28788), (836, 28737), (846, 28704), (853, 28671), (855, 28665), (862, 28635), (899, 28575), (904, 28554), (920, 28512), (930, 28485), (935, 28470), (971, 28383), (1003, 28320), (1004, 28317), (1060, 28161), (1065, 28149), (1073, 28137),

Gene: Roscoe_61 Start: 54489, Stop: 52630, Start Num: 215
Candidate Starts for Roscoe_61:
(Start: 198 @54513 has 1 MA's), (Start: 215 @54489 has 328 MA's), (Start: 245 @54465 has 14 MA's), (Start: 258 @54459 has 2 MA's), (Start: 288 @54417 has 1 MA's), (300, 54396), (360, 54282), (363, 54276), (382, 54246), (418, 54186), (425, 54165), (442, 54111), (454, 54099), (464, 54081),

(469, 54069), (511, 53964), (567, 53907), (590, 53871), (594, 53859), (605, 53832), (609, 53823), (630, 53787), (666, 53730), (670, 53721), (671, 53718), (673, 53715), (813, 53358), (820, 53325), (827, 53304), (856, 53211), (859, 53202), (881, 53139), (904, 53103), (905, 53100), (910, 53085), (939, 53007), (944, 52995), (950, 52974), (970, 52935), (1007, 52845), (1018, 52827), (1021, 52821), (1029, 52806), (1039, 52782), (1041, 52767), (1042, 52764), (1044, 52752), (1054, 52728), (1073, 52680), (1084, 52656),

Gene: Rosebush_56 Start: 52637, Stop: 50808, Start Num: 215
Candidate Starts for Rosebush_56:
(Start: 215 @52637 has 328 MA's), (Start: 258 @52610 has 2 MA's), (Start: 282 @52580 has 7 MA's), (Start: 288 @52568 has 1 MA's), (Start: 304 @52541 has 2 MA's), (305, 52538), (314, 52529), (338, 52511), (388, 52415), (418, 52364), (426, 52340), (496, 52178), (506, 52154), (511, 52142), (567, 52085), (590, 52049), (594, 52037), (603, 52013), (648, 51935), (652, 51929), (658, 51920), (670, 51899), (671, 51896), (684, 51866), (753, 51722), (778, 51656), (796, 51605), (800, 51584), (806, 51566), (820, 51509), (844, 51452), (850, 51425), (856, 51395), (859, 51386), (879, 51320), (902, 51293), (904, 51284), (910, 51266), (920, 51242), (939, 51188), (944, 51176), (950, 51155), (985, 51086), (1007, 51026), (1018, 51008), (1035, 50975), (1039, 50963), (1041, 50948), (1042, 50945), (1044, 50933), (1054, 50909), (1055, 50906), (1073, 50858), (1075, 50855), (1084, 50834), (1091, 50813),

Gene: RosieMae_38 Start: 28677, Stop: 26812, Start Num: 339
Candidate Starts for RosieMae_38:
(Start: 275 @28764 has 3 MA's), (Start: 277 @28761 has 1 MA's), (Start: 339 @28677 has 121 MA's), (Start: 342 @28668 has 5 MA's), (392, 28563), (398, 28554), (418, 28524), (419, 28521), (472, 28401), (476, 28389), (478, 28383), (518, 28278), (525, 28251), (582, 28110), (587, 28104), (588, 28101), (591, 28089), (600, 28062), (601, 28059), (612, 28044), (634, 28038), (637, 28032), (657, 27999), (725, 27870), (749, 27810), (855, 27495), (858, 27486), (859, 27483), (862, 27465), (876, 27423), (880, 27417), (884, 27408), (895, 27393), (912, 27336), (970, 27177), (982, 27147), (985, 27138), (1004, 27078), (1007, 27054), (1025, 27015), (1039, 26982), (1040, 26970), (1058, 26910),

Gene: Rowa_41 Start: 29682, Stop: 31553, Start Num: 254
Candidate Starts for Rowa_41:
(227, 29652), (235, 29661), (Start: 254 @29682 has 935 MA's), (436, 29994), (455, 30045), (495, 30141), (501, 30153), (587, 30264), (613, 30333), (614, 30336), (647, 30396), (657, 30411), (658, 30414), (708, 30501), (711, 30510), (732, 30549), (759, 30612), (761, 30615), (803, 30753), (804, 30756), (810, 30774), (813, 30786), (815, 30795), (819, 30816), (822, 30822), (834, 30864), (846, 30900), (847, 30903), (855, 30939), (856, 30942), (860, 30960), (862, 30969), (873, 30999), (884, 31023), (932, 31143), (936, 31155), (943, 31173), (946, 31185), (949, 31194), (967, 31233), (969, 31236), (971, 31242), (974, 31248), (1000, 31296), (1029, 31368), (1040, 31404), (1060, 31464), (1098, 31548),

Gene: Rowdy_48 Start: 31200, Stop: 29365, Start Num: 254
Candidate Starts for Rowdy_48:
(Start: 254 @31200 has 935 MA's), (289, 31149), (338, 31083), (386, 30996), (400, 30972), (422, 30936), (426, 30924), (449, 30867), (455, 30858), (491, 30774), (505, 30738), (510, 30726), (514, 30714), (591, 30621), (611, 30573), (647, 30513), (718, 30384), (719, 30381), (732, 30360), (734, 30354), (787, 30246), (819, 30123), (834, 30075), (855, 30000), (862, 29970), (875, 29931), (904, 29862), (905, 29859), (920, 29820), (929, 29796), (931, 29790), (935, 29778), (977, 29670), (1007, 29589), (1021, 29565), (1043, 29502), (1060, 29454), (1065, 29442), (1071, 29433),

Gene: Roy17_59 Start: 53743, Stop: 51884, Start Num: 215
Candidate Starts for Roy17_59:

(Start: 198 @53767 has 1 MA's), (Start: 215 @53743 has 328 MA's), (Start: 245 @53719 has 14 MA's), (Start: 258 @53713 has 2 MA's), (Start: 288 @53671 has 1 MA's), (300, 53650), (360, 53536), (363, 53530), (382, 53500), (418, 53440), (425, 53419), (442, 53365), (454, 53353), (464, 53335), (469, 53323), (511, 53218), (567, 53161), (590, 53125), (594, 53113), (605, 53086), (620, 53059), (630, 53041), (641, 53023), (666, 52984), (670, 52975), (671, 52972), (673, 52969), (813, 52612), (820, 52579), (827, 52558), (856, 52465), (859, 52456), (881, 52393), (904, 52357), (905, 52354), (910, 52339), (939, 52261), (944, 52249), (950, 52228), (970, 52189), (1007, 52099), (1018, 52081), (1021, 52075), (1029, 52060), (1039, 52036), (1041, 52021), (1042, 52018), (1044, 52006), (1054, 51982), (1073, 51934), (1084, 51910),

Gene: Rubeus_45 Start: 33074, Stop: 31248, Start Num: 254
Candidate Starts for Rubeus_45:
(Start: 254 @33074 has 935 MA's), (391, 32861), (426, 32798), (436, 32768), (443, 32747), (449, 32741), (455, 32732), (504, 32615), (514, 32588), (591, 32495), (596, 32480), (639, 32396), (641, 32393), (680, 32327), (701, 32297), (711, 32267), (734, 32222), (755, 32183), (819, 32003), (834, 31955), (847, 31916), (862, 31850), (875, 31811), (899, 31790), (904, 31769), (910, 31751), (935, 31685), (1003, 31535), (1004, 31532), (1012, 31496), (1029, 31472), (1034, 31463), (1038, 31451), (1060, 31376), (1071, 31355),

Gene: Rufus_45 Start: 34607, Stop: 32778, Start Num: 254
Candidate Starts for Rufus_45:
(Start: 254 @34607 has 935 MA's), (391, 34394), (426, 34331), (436, 34301), (443, 34280), (449, 34274), (455, 34265), (504, 34148), (514, 34121), (591, 34028), (596, 34013), (639, 33929), (641, 33926), (680, 33860), (701, 33830), (711, 33800), (734, 33755), (755, 33716), (819, 33536), (834, 33488), (850, 33440), (859, 33401), (862, 33383), (875, 33344), (899, 33323), (904, 33302), (953, 33164), (1035, 32993), (1040, 32969), (1052, 32936), (1057, 32921), (1060, 32909), (1071, 32888), (1075, 32882), (1094, 32834), (1101, 32819),

Gene: Ruin_45 Start: 31563, Stop: 29737, Start Num: 254
Candidate Starts for Ruin_45:
(Start: 254 @31563 has 935 MA's), (271, 31542), (289, 31512), (305, 31482), (413, 31320), (421, 31302), (449, 31230), (455, 31221), (505, 31101), (514, 31077), (591, 30984), (611, 30936), (626, 30915), (647, 30876), (719, 30744), (732, 30723), (755, 30678), (759, 30666), (815, 30513), (819, 30492), (855, 30369), (862, 30339), (875, 30300), (904, 30234), (905, 30231), (910, 30216), (920, 30192), (929, 30168), (1007, 29961), (1060, 29826), (1065, 29814), (1071, 29805),

Gene: Rummer_47 Start: 31884, Stop: 30070, Start Num: 254
Candidate Starts for Rummer_47:
(Start: 254 @31884 has 935 MA's), (284, 31845), (289, 31833), (386, 31680), (395, 31665), (426, 31608), (449, 31551), (455, 31542), (474, 31500), (494, 31449), (514, 31398), (568, 31344), (591, 31305), (609, 31257), (626, 31233), (647, 31194), (666, 31167), (680, 31137), (727, 31044), (734, 31032), (758, 30984), (767, 30969), (819, 30813), (836, 30762), (846, 30729), (847, 30726), (862, 30660), (875, 30621), (905, 30549), (920, 30510), (929, 30486), (935, 30468), (946, 30435), (985, 30354), (1007, 30294), (1043, 30207), (1060, 30159), (1065, 30147), (1071, 30138), (1073, 30135),

Gene: RunningOnE_18 Start: 7881, Stop: 5869, Start Num: 255
Candidate Starts for RunningOnE_18:
(Start: 255 @7881 has 1 MA's), (273, 7860), (Start: 288 @7836 has 1 MA's), (289, 7833), (391, 7662), (407, 7641), (413, 7632), (427, 7596), (474, 7491), (488, 7461), (505, 7413), (514, 7389), (526, 7347), (575, 7182), (591, 7143), (605, 7104), (647, 7026), (659, 7005), (673, 6984), (801, 6708), (804, 6699), (810, 6681), (819, 6639), (822, 6633), (850, 6540), (852, 6525), (854, 6516), (862, 6483), (875, 6417), (901, 6378), (962, 6207), (985, 6162), (1000, 6135), (1035, 6051), (1060, 5967),

Gene: Ruotula_48 Start: 36337, Stop: 34550, Start Num: 254
Candidate Starts for Ruotula_48:
(Start: 254 @36337 has 935 MA's), (391, 36124), (400, 36109), (426, 36061), (436, 36031), (443, 36010), (449, 36004), (455, 35995), (504, 35878), (514, 35851), (591, 35758), (596, 35743), (609, 35710), (639, 35659), (641, 35656), (680, 35590), (701, 35560), (711, 35530), (734, 35485), (755, 35446), (819, 35266), (834, 35218), (847, 35179), (862, 35113), (902, 35041), (904, 35032), (935, 34948), (971, 34861), (1029, 34735), (1035, 34723), (1053, 34663), (1060, 34639), (1063, 34633),

Gene: Rutherferd_47 Start: 35726, Stop: 33900, Start Num: 254
Candidate Starts for Rutherferd_47:
(Start: 254 @35726 has 935 MA's), (407, 35492), (426, 35450), (436, 35420), (443, 35399), (449, 35393), (455, 35384), (504, 35267), (514, 35240), (591, 35147), (596, 35132), (609, 35099), (639, 35048), (641, 35045), (680, 34979), (701, 34949), (711, 34919), (734, 34874), (755, 34835), (819, 34655), (834, 34607), (847, 34568), (862, 34502), (875, 34463), (899, 34442), (904, 34421), (910, 34403), (935, 34337), (1003, 34187), (1004, 34184), (1012, 34148), (1029, 34124), (1038, 34103), (1060, 34028), (1071, 34007),

Gene: RyeScarlet_46 Start: 31507, Stop: 29714, Start Num: 254
Candidate Starts for RyeScarlet_46:
(Start: 254 @31507 has 935 MA's), (261, 31498), (289, 31456), (369, 31336), (371, 31333), (396, 31285), (427, 31225), (437, 31195), (441, 31183), (449, 31171), (514, 31018), (591, 30925), (666, 30787), (680, 30757), (759, 30598), (767, 30586), (785, 30559), (815, 30451), (819, 30430), (859, 30295), (862, 30277), (904, 30196), (920, 30154), (946, 30079), (983, 30004), (1003, 29962), (1041, 29860), (1060, 29803), (1065, 29791), (1071, 29782),

Gene: SDcharge11_60 Start: 53557, Stop: 51698, Start Num: 215
Candidate Starts for SDcharge11_60:
(Start: 198 @53581 has 1 MA's), (Start: 215 @53557 has 328 MA's), (Start: 245 @53533 has 14 MA's), (Start: 258 @53527 has 2 MA's), (280, 53500), (Start: 288 @53485 has 1 MA's), (300, 53464), (360, 53350), (363, 53344), (382, 53314), (418, 53254), (425, 53233), (442, 53179), (454, 53167), (464, 53149), (469, 53137), (511, 53032), (567, 52975), (590, 52939), (594, 52927), (605, 52900), (609, 52891), (630, 52855), (666, 52798), (670, 52789), (671, 52786), (673, 52783), (813, 52426), (820, 52393), (827, 52372), (856, 52279), (859, 52270), (881, 52207), (904, 52171), (905, 52168), (910, 52153), (939, 52075), (944, 52063), (950, 52042), (970, 52003), (1007, 51913), (1018, 51895), (1021, 51889), (1029, 51874), (1039, 51850), (1041, 51835), (1042, 51832), (1044, 51820), (1054, 51796), (1073, 51748), (1084, 51724),

Gene: SJReid_103 Start: 70795, Stop: 72594, Start Num: 265
Candidate Starts for SJReid_103:
(232, 70753), (Start: 265 @70795 has 10 MA's), (Start: 304 @70858 has 2 MA's), (325, 70888), (328, 70891), (418, 71026), (454, 71107), (467, 71134), (470, 71140), (517, 71245), (588, 71302), (632, 71392), (647, 71419), (657, 71434), (783, 71680), (795, 71719), (803, 71752), (815, 71791), (819, 71812), (822, 71818), (846, 71902), (852, 71929), (853, 71935), (874, 72019), (884, 72037), (903, 72085), (906, 72097), (920, 72133), (932, 72166), (950, 72220), (1008, 72370), (1018, 72385), (1035, 72418), (1037, 72424), (1040, 72442), (1045, 72466), (1059, 72499), (1060, 72502),

Gene: SJay_39 Start: 28931, Stop: 27066, Start Num: 339
Candidate Starts for SJay_39:
(Start: 275 @29018 has 3 MA's), (Start: 339 @28931 has 121 MA's), (Start: 342 @28922 has 5 MA's), (392, 28817), (398, 28808), (418, 28778), (419, 28775), (472, 28655), (476, 28643), (478, 28637), (518, 28532), (525, 28505), (582, 28364), (587, 28358), (588, 28355), (591, 28343), (600, 28316), (601, 28313), (612, 28298), (634, 28292), (637, 28286), (657, 28253), (725, 28124), (749, 28064), (855, 27749), (858, 27740), (859, 27737), (862, 27719), (876, 27677), (880, 27671), (895, 27647),

(912, 27590), (970, 27431), (982, 27401), (985, 27392), (1004, 27332), (1007, 27308), (1025, 27269), (1039, 27236), (1040, 27224), (1058, 27164),

Gene: STLscum_46 Start: 35717, Stop: 33930, Start Num: 254
Candidate Starts for STLscum_46:
(Start: 254 @35717 has 935 MA's), (391, 35504), (426, 35441), (436, 35411), (443, 35390), (449, 35384), (455, 35375), (504, 35258), (514, 35231), (591, 35138), (596, 35123), (639, 35039), (641, 35036), (680, 34970), (701, 34940), (711, 34910), (734, 34865), (755, 34826), (819, 34646), (834, 34598), (847, 34559), (862, 34493), (902, 34421), (904, 34412), (935, 34328), (971, 34241), (1029, 34115), (1035, 34103), (1053, 34043), (1060, 34019), (1063, 34013),

Gene: Sabella_56 Start: 52482, Stop: 50653, Start Num: 215
Candidate Starts for Sabella_56:
(Start: 215 @52482 has 328 MA's), (Start: 258 @52455 has 2 MA's), (Start: 282 @52425 has 7 MA's), (Start: 288 @52413 has 1 MA's), (Start: 304 @52386 has 2 MA's), (305, 52383), (314, 52374), (338, 52356), (388, 52260), (418, 52209), (426, 52185), (496, 52023), (503, 52008), (506, 51999), (511, 51987), (567, 51930), (590, 51894), (594, 51882), (603, 51858), (652, 51774), (670, 51744), (671, 51741), (684, 51711), (753, 51567), (778, 51501), (796, 51450), (800, 51429), (806, 51411), (820, 51354), (850, 51270), (856, 51240), (859, 51231), (879, 51165), (902, 51138), (904, 51129), (910, 51111), (920, 51087), (939, 51033), (944, 51021), (950, 51000), (985, 50931), (1007, 50871), (1018, 50853), (1035, 50820), (1039, 50808), (1041, 50793), (1042, 50790), (1044, 50778), (1054, 50754), (1055, 50751), (1073, 50703), (1075, 50700), (1084, 50679), (1091, 50658),

Gene: Sabertooth_45 Start: 31572, Stop: 29746, Start Num: 254
Candidate Starts for Sabertooth_45:
(Start: 254 @31572 has 935 MA's), (271, 31551), (289, 31521), (305, 31491), (413, 31329), (421, 31311), (449, 31239), (455, 31230), (505, 31110), (514, 31086), (591, 30993), (611, 30945), (626, 30924), (647, 30885), (719, 30753), (732, 30732), (755, 30687), (759, 30675), (815, 30522), (819, 30501), (855, 30378), (862, 30348), (875, 30309), (904, 30243), (905, 30240), (910, 30225), (920, 30201), (929, 30177), (1007, 29970), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: Sabia_48 Start: 31846, Stop: 30032, Start Num: 254
Candidate Starts for Sabia_48:
(Start: 254 @31846 has 935 MA's), (284, 31807), (289, 31795), (386, 31642), (395, 31627), (426, 31570), (449, 31513), (455, 31504), (474, 31462), (494, 31411), (514, 31360), (591, 31267), (609, 31219), (618, 31210), (626, 31195), (647, 31156), (666, 31129), (680, 31099), (727, 31006), (758, 30946), (767, 30931), (819, 30775), (847, 30688), (862, 30622), (875, 30583), (905, 30511), (920, 30472), (929, 30448), (935, 30430), (946, 30397), (956, 30370), (985, 30316), (1007, 30256), (1041, 30178), (1060, 30121), (1065, 30109), (1071, 30100),

Gene: Sabinator_47 Start: 31851, Stop: 30037, Start Num: 254
Candidate Starts for Sabinator_47:
(Start: 254 @31851 has 935 MA's), (284, 31812), (289, 31800), (386, 31647), (395, 31632), (426, 31575), (449, 31518), (455, 31509), (474, 31467), (494, 31416), (514, 31365), (591, 31272), (609, 31224), (618, 31215), (626, 31200), (647, 31161), (666, 31134), (680, 31104), (727, 31011), (767, 30936), (819, 30780), (847, 30693), (862, 30627), (875, 30588), (905, 30516), (920, 30477), (929, 30453), (935, 30435), (946, 30402), (956, 30375), (985, 30321), (1007, 30261), (1041, 30183), (1060, 30126), (1065, 30114), (1071, 30105),

Gene: Sabourin_38 Start: 27589, Stop: 29571, Start Num: 253
Candidate Starts for Sabourin_38:
(Start: 253 @27589 has 33 MA's), (371, 27763), (415, 27826), (427, 27859), (463, 27934), (568, 28162), (647, 28336), (732, 28492), (788, 28630), (812, 28717), (819, 28750), (830, 28780), (847,

28837), (862, 28903), (903, 28996), (1007, 29263), (1021, 29287), (1060, 29398), (1107, 29506),

Gene: Sachima_42 Start: 31423, Stop: 29630, Start Num: 254
Candidate Starts for Sachima_42:
(Start: 254 @31423 has 935 MA's), (261, 31414), (289, 31372), (369, 31252), (371, 31249), (396, 31201), (427, 31141), (437, 31111), (441, 31099), (449, 31087), (514, 30934), (591, 30841), (666, 30703), (680, 30673), (759, 30514), (767, 30502), (785, 30475), (815, 30367), (819, 30346), (859, 30211), (862, 30193), (904, 30112), (920, 30070), (946, 29995), (953, 29974), (983, 29920), (1003, 29878), (1041, 29776), (1060, 29719), (1065, 29707), (1071, 29698),

Gene: Sagefire_48 Start: 36086, Stop: 34299, Start Num: 254
Candidate Starts for Sagefire_48:
(Start: 254 @36086 has 935 MA's), (391, 35873), (436, 35780), (443, 35759), (449, 35753), (455, 35744), (504, 35627), (514, 35600), (591, 35507), (596, 35492), (609, 35459), (639, 35408), (641, 35405), (680, 35339), (701, 35309), (711, 35279), (734, 35234), (755, 35195), (819, 35015), (834, 34967), (847, 34928), (862, 34862), (902, 34790), (904, 34781), (935, 34697), (971, 34610), (1029, 34484), (1035, 34472), (1060, 34388), (1063, 34382),

Gene: Saguaro_58 Start: 54786, Stop: 52945, Start Num: 218
Candidate Starts for Saguaro_58:
(Start: 218 @54786 has 14 MA's), (280, 54732), (300, 54696), (372, 54576), (404, 54522), (467, 54387), (469, 54384), (477, 54366), (511, 54279), (567, 54222), (590, 54186), (594, 54174), (603, 54150), (670, 54030), (671, 54027), (679, 54009), (684, 53997), (747, 53880), (785, 53769), (796, 53736), (797, 53733), (800, 53715), (814, 53667), (820, 53640), (840, 53589), (854, 53532), (856, 53526), (859, 53517), (873, 53469), (881, 53454), (904, 53418), (905, 53415), (910, 53400), (939, 53322), (944, 53310), (950, 53289), (958, 53271), (969, 53253), (985, 53220), (1007, 53160), (1018, 53142), (1021, 53136), (1039, 53097), (1040, 53085), (1041, 53082), (1042, 53079), (1044, 53067), (1050, 53055), (1054, 53043), (1070, 53001), (1073, 52995), (1084, 52971), (1091, 52950),

Gene: Saintus_38 Start: 27584, Stop: 25740, Start Num: 254
Candidate Starts for Saintus_38:
(Start: 254 @27584 has 935 MA's), (289, 27533), (371, 27410), (386, 27380), (413, 27341), (426, 27308), (436, 27278), (443, 27257), (449, 27251), (455, 27242), (474, 27200), (494, 27149), (513, 27101), (514, 27098), (591, 27002), (595, 26990), (600, 26975), (606, 26957), (618, 26945), (647, 26891), (666, 26864), (690, 26816), (719, 26759), (726, 26747), (734, 26732), (759, 26681), (768, 26666), (815, 26519), (819, 26498), (830, 26468), (834, 26450), (836, 26447), (843, 26432), (847, 26411), (850, 26402), (855, 26375), (859, 26363), (862, 26345), (904, 26264), (908, 26252), (929, 26198), (941, 26162), (953, 26126), (971, 26093), (983, 26072), (985, 26066), (1004, 26027), (1007, 26006), (1018, 25988), (1060, 25871), (1065, 25859),

Gene: Salete_48 Start: 39366, Stop: 37366, Start Num: 327
Candidate Starts for Salete_48:
(Start: 327 @39366 has 11 MA's), (371, 39297), (435, 39165), (437, 39159), (438, 39153), (463, 39105), (467, 39093), (470, 39087), (477, 39066), (485, 39051), (507, 38982), (550, 38841), (589, 38745), (628, 38658), (645, 38634), (653, 38622), (662, 38610), (700, 38541), (759, 38394), (801, 38289), (806, 38274), (822, 38217), (829, 38196), (841, 38154), (848, 38124), (855, 38091), (867, 38037), (874, 38007), (891, 37938), (899, 37917), (920, 37854), (927, 37836), (931, 37824), (939, 37800), (1007, 37599), (1008, 37596), (1021, 37575), (1038, 37542), (1041, 37524), (1053, 37491), (1060, 37467), (1083, 37419),

Gene: SallyH_63 Start: 54297, Stop: 52438, Start Num: 215
Candidate Starts for SallyH_63:

(Start: 198 @54321 has 1 MA's), (Start: 215 @54297 has 328 MA's), (Start: 245 @54273 has 14 MA's), (Start: 258 @54267 has 2 MA's), (Start: 288 @54225 has 1 MA's), (300, 54204), (360, 54090), (363, 54084), (382, 54054), (418, 53994), (425, 53973), (442, 53919), (454, 53907), (464, 53889), (469, 53877), (511, 53772), (567, 53715), (590, 53679), (594, 53667), (603, 53643), (609, 53631), (620, 53613), (630, 53595), (641, 53577), (666, 53538), (670, 53529), (671, 53526), (673, 53523), (813, 53166), (820, 53133), (827, 53112), (856, 53019), (859, 53010), (881, 52947), (904, 52911), (905, 52908), (910, 52893), (939, 52815), (944, 52803), (950, 52782), (970, 52743), (1007, 52653), (1018, 52635), (1021, 52629), (1029, 52614), (1039, 52590), (1041, 52575), (1042, 52572), (1044, 52560), (1054, 52536), (1073, 52488), (1084, 52464),

Gene: Salvus_45 Start: 34648, Stop: 32237, Start Num: 56
Candidate Starts for Salvus_45:
(Start: 56 @34648 has 1 MA's), (61, 34639), (Start: 75 @34594 has 1 MA's), (Start: 82 @34582 has 1 MA's), (Start: 96 @34543 has 1 MA's), (165, 34384), (182, 34354), (213, 34324), (329, 34156), (392, 34036), (438, 33934), (476, 33853), (497, 33793), (522, 33727), (569, 33595), (593, 33547), (664, 33475), (668, 33466), (733, 33385), (837, 33076), (848, 33037), (853, 33010), (855, 33004), (876, 32932), (880, 32926), (883, 32920), (897, 32896), (905, 32863), (910, 32848), (912, 32839), (970, 32680), (982, 32650), (1049, 32440), (1058, 32413), (1081, 32344),

Gene: Salz_44 Start: 30686, Stop: 28899, Start Num: 254
Candidate Starts for Salz_44:
(Start: 254 @30686 has 935 MA's), (386, 30482), (426, 30410), (436, 30380), (449, 30353), (593, 30101), (618, 30050), (666, 29969), (688, 29924), (732, 29840), (759, 29783), (786, 29741), (798, 29696), (819, 29615), (836, 29564), (847, 29528), (862, 29462), (899, 29402), (902, 29390), (938, 29288), (946, 29264), (951, 29246), (985, 29183), (1000, 29156), (1003, 29147), (1007, 29123), (1060, 28988), (1065, 28976), (1071, 28967),

Gene: Samaymay_60 Start: 54350, Stop: 52491, Start Num: 215
Candidate Starts for Samaymay_60:
(Start: 198 @54374 has 1 MA's), (Start: 215 @54350 has 328 MA's), (Start: 245 @54326 has 14 MA's), (Start: 258 @54320 has 2 MA's), (Start: 288 @54278 has 1 MA's), (300, 54257), (360, 54143), (363, 54137), (382, 54107), (418, 54047), (425, 54026), (442, 53972), (454, 53960), (464, 53942), (469, 53930), (511, 53825), (567, 53768), (590, 53732), (594, 53720), (605, 53693), (630, 53648), (666, 53591), (670, 53582), (671, 53579), (813, 53219), (820, 53186), (827, 53165), (856, 53072), (859, 53063), (881, 53000), (904, 52964), (905, 52961), (910, 52946), (939, 52868), (944, 52856), (950, 52835), (970, 52796), (1007, 52706), (1018, 52688), (1021, 52682), (1029, 52667), (1039, 52643), (1041, 52628), (1042, 52625), (1044, 52613), (1054, 52589), (1073, 52541), (1084, 52517),

Gene: Samora_36 Start: 27510, Stop: 29363, Start Num: 254
Candidate Starts for Samora_36:
(Start: 254 @27510 has 935 MA's), (280, 27543), (305, 27591), (338, 27624), (407, 27741), (436, 27813), (437, 27816), (443, 27834), (455, 27849), (548, 28011), (618, 28146), (625, 28158), (639, 28188), (647, 28200), (658, 28218), (679, 28254), (726, 28344), (732, 28353), (759, 28410), (761, 28413), (764, 28422), (813, 28581), (819, 28611), (830, 28644), (834, 28662), (847, 28704), (853, 28734), (855, 28740), (856, 28743), (859, 28752), (862, 28770), (874, 28815), (902, 28869), (969, 29046), (971, 29052), (974, 29058), (1000, 29106), (1012, 29154), (1021, 29163), (1035, 29190), (1037, 29196), (1041, 29217), (1060, 29274), (1063, 29280), (1071, 29295),

Gene: Samy_65 Start: 41466, Stop: 43436, Start Num: 254
Candidate Starts for Samy_65:
(Start: 254 @41466 has 935 MA's), (269, 41484), (338, 41583), (371, 41643), (373, 41649), (426, 41745), (443, 41799), (467, 41838), (516, 41964), (595, 42060), (647, 42165), (708, 42270), (732, 42318), (738, 42336), (815, 42576), (819, 42597), (822, 42603), (860, 42741), (862, 42750), (909,

42864), (929, 42915), (946, 42966), (967, 43014), (969, 43017), (974, 43029), (999, 43074), (1008, 43113), (1021, 43134), (1060, 43245), (1071, 43266), (1094, 43320), (1121, 43407),

Gene: SanaSana_45 Start: 31138, Stop: 33012, Start Num: 241
Candidate Starts for SanaSana_45:
(Start: 241 @31138 has 65 MA's), (Start: 299 @31207 has 1 MA's), (315, 31228), (455, 31474), (464, 31489), (474, 31516), (647, 31810), (766, 32044), (803, 32164), (804, 32167), (819, 32227), (822, 32233), (836, 32278), (843, 32293), (845, 32308), (853, 32344), (862, 32380), (903, 32473), (936, 32566), (967, 32644), (969, 32647), (1003, 32716), (1007, 32740), (1012, 32755), (1037, 32797), (1040, 32815), (1060, 32875), (1071, 32896),

Gene: Sandaddy_44 Start: 34872, Stop: 33046, Start Num: 254
Candidate Starts for Sandaddy_44:
(Start: 254 @34872 has 935 MA's), (391, 34659), (400, 34644), (436, 34566), (443, 34545), (449, 34539), (455, 34530), (504, 34413), (514, 34386), (591, 34293), (596, 34278), (609, 34245), (639, 34194), (641, 34191), (680, 34125), (701, 34095), (711, 34065), (734, 34020), (755, 33981), (819, 33801), (834, 33753), (847, 33714), (862, 33648), (904, 33567), (905, 33564), (935, 33483), (1003, 33333), (1004, 33330), (1012, 33294), (1029, 33270), (1034, 33261), (1038, 33249), (1060, 33174), (1071, 33153),

Gene: SansAfet_43 Start: 29492, Stop: 31366, Start Num: 241
Candidate Starts for SansAfet_43:
(Start: 241 @29492 has 65 MA's), (Start: 299 @29561 has 1 MA's), (315, 29582), (455, 29828), (464, 29843), (474, 29870), (647, 30164), (719, 30299), (766, 30398), (804, 30521), (819, 30581), (822, 30587), (836, 30632), (843, 30647), (845, 30662), (853, 30698), (862, 30734), (903, 30827), (936, 30920), (967, 30998), (1003, 31070), (1012, 31109), (1037, 31151), (1040, 31169), (1053, 31205), (1060, 31229), (1071, 31250),

Gene: Sansa_37 Start: 28809, Stop: 26944, Start Num: 337
Candidate Starts for Sansa_37:
(Start: 337 @28809 has 44 MA's), (355, 28764), (381, 28710), (420, 28650), (438, 28599), (469, 28542), (476, 28521), (478, 28515), (494, 28470), (495, 28467), (496, 28464), (511, 28425), (531, 28365), (582, 28242), (588, 28233), (591, 28221), (595, 28209), (601, 28191), (634, 28170), (639, 28158), (654, 28134), (722, 28008), (731, 27987), (796, 27819), (850, 27654), (858, 27618), (862, 27597), (876, 27555), (912, 27468), (925, 27423), (962, 27324), (982, 27279), (985, 27270), (1004, 27210), (1007, 27186), (1022, 27153), (1058, 27042),

Gene: Sanya_43 Start: 35162, Stop: 33336, Start Num: 254
Candidate Starts for Sanya_43:
(Start: 254 @35162 has 935 MA's), (391, 34949), (426, 34886), (436, 34856), (443, 34835), (449, 34829), (455, 34820), (504, 34703), (514, 34676), (591, 34583), (596, 34568), (639, 34484), (641, 34481), (680, 34415), (701, 34385), (711, 34355), (734, 34310), (755, 34271), (819, 34091), (834, 34043), (847, 34004), (862, 33938), (875, 33899), (899, 33878), (904, 33857), (910, 33839), (935, 33773), (1003, 33623), (1004, 33620), (1012, 33584), (1034, 33551), (1038, 33539), (1043, 33512), (1060, 33464), (1071, 33443),

Gene: SarBear_42 Start: 29278, Stop: 31152, Start Num: 241
Candidate Starts for SarBear_42:
(Start: 238 @29275 has 7 MA's), (Start: 241 @29278 has 65 MA's), (Start: 299 @29347 has 1 MA's), (315, 29368), (386, 29485), (426, 29548), (455, 29614), (474, 29656), (647, 29950), (719, 30085), (766, 30184), (804, 30307), (819, 30367), (822, 30373), (836, 30418), (843, 30433), (845, 30448), (853, 30484), (862, 30520), (903, 30613), (936, 30706), (967, 30784), (1003, 30856), (1012, 30895), (1037, 30937), (1040, 30955), (1060, 31015), (1071, 31036),

Gene: SarFire_43 Start: 34438, Stop: 32612, Start Num: 254
Candidate Starts for SarFire_43:
(Start: 254 @34438 has 935 MA's), (391, 34225), (400, 34210), (436, 34132), (443, 34111), (449, 34105), (455, 34096), (504, 33979), (514, 33952), (591, 33859), (596, 33844), (639, 33760), (641, 33757), (680, 33691), (701, 33661), (711, 33631), (734, 33586), (755, 33547), (819, 33367), (834, 33319), (847, 33280), (862, 33214), (875, 33175), (899, 33154), (904, 33133), (910, 33115), (935, 33049), (1003, 32899), (1004, 32896), (1012, 32860), (1034, 32827), (1038, 32815), (1052, 32767), (1060, 32740), (1071, 32719),

Gene: Saratos_38 Start: 28717, Stop: 26852, Start Num: 337
Candidate Starts for Saratos_38:
(Start: 337 @28717 has 44 MA's), (355, 28672), (381, 28618), (420, 28558), (438, 28507), (476, 28429), (478, 28423), (494, 28378), (495, 28375), (496, 28372), (511, 28333), (531, 28273), (582, 28150), (588, 28141), (591, 28129), (595, 28117), (601, 28099), (634, 28078), (639, 28066), (654, 28042), (731, 27895), (796, 27727), (850, 27562), (858, 27526), (862, 27505), (876, 27463), (912, 27376), (925, 27331), (962, 27232), (982, 27187), (985, 27178), (1004, 27118), (1007, 27094), (1022, 27061), (1058, 26950),

Gene: Sarkar_67 Start: 46750, Stop: 44786, Start Num: 322
Candidate Starts for Sarkar_67:
(Start: 322 @46750 has 13 MA's), (379, 46654), (435, 46546), (438, 46534), (456, 46480), (490, 46396), (532, 46261), (559, 46162), (566, 46150), (573, 46123), (581, 46108), (645, 45970), (692, 45883), (734, 45787), (774, 45679), (775, 45676), (785, 45649), (793, 45622), (800, 45592), (810, 45562), (840, 45457), (865, 45349), (867, 45340), (869, 45334), (933, 45190), (939, 45172), (945, 45154), (980, 45100), (1021, 44983), (1028, 44971), (1033, 44962), (1038, 44950), (1041, 44932), (1048, 44908), (1058, 44884), (1064, 44866),

Gene: Saskia_45 Start: 30680, Stop: 28893, Start Num: 254
Candidate Starts for Saskia_45:
(Start: 254 @30680 has 935 MA's), (386, 30476), (388, 30473), (391, 30467), (413, 30437), (422, 30416), (425, 30407), (426, 30404), (436, 30374), (449, 30347), (463, 30326), (474, 30296), (514, 30194), (591, 30101), (594, 30092), (609, 30053), (618, 30044), (626, 30029), (666, 29963), (719, 29855), (732, 29834), (819, 29609), (836, 29558), (850, 29513), (862, 29456), (875, 29417), (899, 29396), (918, 29339), (925, 29321), (931, 29303), (946, 29258), (975, 29195), (983, 29183), (1003, 29141), (1007, 29117), (1060, 28982), (1065, 28970), (1071, 28961),

Gene: SassyCat97_59 Start: 54035, Stop: 52176, Start Num: 215
Candidate Starts for SassyCat97_59:
(Start: 198 @54059 has 1 MA's), (Start: 215 @54035 has 328 MA's), (Start: 245 @54011 has 14 MA's), (Start: 258 @54005 has 2 MA's), (Start: 288 @53963 has 1 MA's), (300, 53942), (360, 53828), (363, 53822), (382, 53792), (418, 53732), (425, 53711), (442, 53657), (454, 53645), (464, 53627), (469, 53615), (511, 53510), (567, 53453), (590, 53417), (594, 53405), (605, 53378), (620, 53351), (630, 53333), (641, 53315), (666, 53276), (670, 53267), (671, 53264), (783, 53006), (813, 52904), (820, 52871), (827, 52850), (856, 52757), (859, 52748), (881, 52685), (904, 52649), (905, 52646), (910, 52631), (939, 52553), (944, 52541), (950, 52520), (970, 52481), (1007, 52391), (1018, 52373), (1021, 52367), (1029, 52352), (1039, 52328), (1041, 52313), (1042, 52310), (1044, 52298), (1054, 52274), (1073, 52226), (1084, 52202),

Gene: Satis_67 Start: 46746, Stop: 44782, Start Num: 322
Candidate Starts for Satis_67:
(Start: 322 @46746 has 13 MA's), (379, 46650), (413, 46605), (424, 46578), (431, 46557), (435, 46542), (438, 46530), (456, 46476), (490, 46392), (532, 46257), (559, 46158), (566, 46146), (573,

46119), (581, 46104), (645, 45966), (692, 45879), (734, 45783), (774, 45675), (775, 45672), (785, 45645), (793, 45618), (800, 45588), (810, 45558), (840, 45453), (865, 45345), (867, 45336), (869, 45330), (933, 45186), (939, 45168), (945, 45150), (980, 45096), (1021, 44979), (1028, 44967), (1033, 44958), (1038, 44946), (1041, 44928), (1048, 44904), (1058, 44880), (1064, 44862),

Gene: SaturnRing_46 Start: 31555, Stop: 29717, Start Num: 254
Candidate Starts for SaturnRing_46:
(Start: 254 @31555 has 935 MA's), (289, 31504), (338, 31438), (386, 31351), (422, 31291), (426, 31279), (449, 31222), (455, 31213), (505, 31093), (514, 31069), (591, 30973), (611, 30925), (647, 30865), (683, 30802), (719, 30733), (732, 30712), (768, 30640), (787, 30598), (798, 30556), (819, 30475), (834, 30427), (855, 30352), (862, 30322), (873, 30292), (905, 30211), (920, 30172), (929, 30148), (935, 30130), (985, 30001), (1007, 29941), (1060, 29806), (1065, 29794), (1071, 29785),

Gene: Scamp_45 Start: 31572, Stop: 29746, Start Num: 254
Candidate Starts for Scamp_45:
(Start: 254 @31572 has 935 MA's), (271, 31551), (289, 31521), (305, 31491), (413, 31329), (421, 31311), (449, 31239), (455, 31230), (505, 31110), (514, 31086), (591, 30993), (611, 30945), (626, 30924), (647, 30885), (719, 30753), (732, 30732), (755, 30687), (759, 30675), (815, 30522), (819, 30501), (855, 30378), (862, 30348), (875, 30309), (904, 30243), (905, 30240), (910, 30225), (920, 30201), (929, 30177), (1007, 29970), (1060, 29835), (1065, 29823), (1071, 29814),

Gene: Schadenfreude_60 Start: 53915, Stop: 52056, Start Num: 215
Candidate Starts for Schadenfreude_60:
(Start: 198 @53939 has 1 MA's), (Start: 215 @53915 has 328 MA's), (Start: 245 @53891 has 14 MA's), (Start: 258 @53885 has 2 MA's), (Start: 288 @53843 has 1 MA's), (300, 53822), (360, 53708), (363, 53702), (382, 53672), (418, 53612), (425, 53591), (442, 53537), (454, 53525), (464, 53507), (469, 53495), (511, 53390), (567, 53333), (590, 53297), (594, 53285), (603, 53261), (609, 53249), (620, 53231), (630, 53213), (641, 53195), (666, 53156), (670, 53147), (671, 53144), (673, 53141), (813, 52784), (820, 52751), (827, 52730), (856, 52637), (859, 52628), (881, 52565), (904, 52529), (905, 52526), (910, 52511), (939, 52433), (944, 52421), (950, 52400), (970, 52361), (1007, 52271), (1018, 52253), (1021, 52247), (1029, 52232), (1039, 52208), (1041, 52193), (1042, 52190), (1044, 52178), (1054, 52154), (1073, 52106), (1084, 52082),

Gene: Schaffner_42 Start: 30040, Stop: 31905, Start Num: 254
Candidate Starts for Schaffner_42:
(Start: 254 @30040 has 935 MA's), (Start: 288 @30088 has 1 MA's), (349, 30178), (388, 30247), (436, 30337), (491, 30457), (593, 30634), (647, 30742), (657, 30757), (666, 30769), (732, 30895), (788, 31033), (819, 31153), (847, 31240), (862, 31306), (903, 31399), (1060, 31801), (1064, 31810), (1071, 31822),

Gene: Scherzo_45 Start: 31727, Stop: 29934, Start Num: 254
Candidate Starts for Scherzo_45:
(Start: 254 @31727 has 935 MA's), (261, 31718), (289, 31676), (369, 31556), (371, 31553), (396, 31505), (427, 31445), (437, 31415), (441, 31403), (449, 31391), (514, 31238), (591, 31145), (666, 31007), (680, 30977), (759, 30818), (767, 30806), (785, 30779), (815, 30671), (819, 30650), (859, 30515), (862, 30497), (904, 30416), (920, 30374), (946, 30299), (953, 30278), (983, 30224), (1003, 30182), (1041, 30080), (1060, 30023), (1065, 30011), (1071, 30002),

Gene: Schimmels22_37 Start: 27687, Stop: 25789, Start Num: 335
Candidate Starts for Schimmels22_37:
(18, 28425), (19, 28419), (73, 28164), (301, 27738), (Start: 335 @27687 has 20 MA's), (362, 27624), (392, 27573), (418, 27534), (438, 27477), (469, 27420), (472, 27411), (476, 27399), (478, 27393), (496, 27342), (511, 27303), (533, 27240), (544, 27195), (582, 27120), (588, 27111), (591, 27099),

(601, 27069), (634, 27048), (639, 27036), (654, 27012), (733, 26862), (817, 26601), (850, 26499), (853, 26478), (862, 26442), (874, 26406), (876, 26400), (912, 26313), (918, 26286), (970, 26154), (985, 26115), (991, 26094), (1004, 26055), (1007, 26031), (1009, 26025), (1022, 25998), (1058, 25887),

Gene: Schnapsidee_38 Start: 29060, Stop: 27195, Start Num: 339
Candidate Starts for Schnapsidee_38:
(Start: 339 @29060 has 121 MA's), (Start: 342 @29051 has 5 MA's), (471, 28787), (476, 28772), (478, 28766), (525, 28634), (540, 28580), (582, 28493), (588, 28484), (591, 28472), (600, 28445), (601, 28442), (612, 28427), (634, 28421), (789, 28091), (855, 27878), (858, 27869), (859, 27866), (862, 27848), (876, 27806), (884, 27791), (912, 27719), (918, 27692), (970, 27560), (982, 27530), (1004, 27461), (1007, 27437), (1009, 27431), (1025, 27398), (1039, 27365), (1040, 27353),

Gene: Schubert_36 Start: 28339, Stop: 26486, Start Num: 335
Candidate Starts for Schubert_36:
(286, 28408), (Start: 335 @28339 has 20 MA's), (418, 28186), (419, 28183), (441, 28126), (476, 28051), (478, 28045), (494, 28000), (511, 27955), (521, 27925), (554, 27838), (588, 27775), (591, 27763), (601, 27733), (634, 27712), (639, 27700), (789, 27382), (853, 27175), (855, 27169), (859, 27157), (862, 27139), (876, 27097), (884, 27082), (912, 27010), (925, 26965), (1004, 26752), (1007, 26728), (1011, 26716), (1015, 26707), (1022, 26695), (1050, 26608), (1058, 26584), (1059, 26578),

Gene: Schueller_61 Start: 54272, Stop: 52413, Start Num: 215
Candidate Starts for Schueller_61:
(Start: 198 @54296 has 1 MA's), (Start: 215 @54272 has 328 MA's), (Start: 245 @54248 has 14 MA's), (Start: 258 @54242 has 2 MA's), (Start: 288 @54200 has 1 MA's), (300, 54179), (360, 54065), (363, 54059), (382, 54029), (418, 53969), (425, 53948), (442, 53894), (454, 53882), (464, 53864), (469, 53852), (511, 53747), (567, 53690), (590, 53654), (594, 53642), (603, 53618), (609, 53606), (620, 53588), (630, 53570), (641, 53552), (666, 53513), (670, 53504), (671, 53501), (673, 53498), (783, 53243), (813, 53141), (820, 53108), (827, 53087), (856, 52994), (859, 52985), (881, 52922), (904, 52886), (905, 52883), (910, 52868), (939, 52790), (944, 52778), (950, 52757), (970, 52718), (1007, 52628), (1018, 52610), (1021, 52604), (1029, 52589), (1039, 52565), (1041, 52550), (1042, 52547), (1044, 52535), (1054, 52511), (1060, 52490), (1073, 52463), (1084, 52439), (1089, 52424),

Gene: Scissor2024_37 Start: 27324, Stop: 25426, Start Num: 336
Candidate Starts for Scissor2024_37:
(Start: 282 @27405 has 7 MA's), (Start: 336 @27324 has 4 MA's), (362, 27261), (392, 27210), (418, 27171), (438, 27114), (469, 27057), (472, 27048), (476, 27036), (478, 27030), (496, 26979), (511, 26940), (544, 26832), (582, 26757), (588, 26748), (591, 26736), (601, 26706), (634, 26685), (639, 26673), (654, 26649), (733, 26499), (817, 26238), (850, 26136), (853, 26115), (862, 26079), (874, 26043), (876, 26037), (912, 25950), (918, 25923), (970, 25791), (985, 25752), (991, 25731), (1004, 25692), (1007, 25668), (1009, 25662), (1022, 25635), (1058, 25524),

Gene: Scoot17C_61 Start: 53977, Stop: 52118, Start Num: 215
Candidate Starts for Scoot17C_61:
(Start: 198 @54001 has 1 MA's), (Start: 215 @53977 has 328 MA's), (Start: 245 @53953 has 14 MA's), (Start: 258 @53947 has 2 MA's), (Start: 288 @53905 has 1 MA's), (300, 53884), (360, 53770), (363, 53764), (382, 53734), (418, 53674), (425, 53653), (442, 53599), (454, 53587), (464, 53569), (469, 53557), (511, 53452), (567, 53395), (590, 53359), (594, 53347), (605, 53320), (620, 53293), (630, 53275), (641, 53257), (666, 53218), (670, 53209), (671, 53206), (783, 52948), (813, 52846), (820, 52813), (827, 52792), (856, 52699), (859, 52690), (881, 52627), (904, 52591), (905, 52588), (910, 52573), (939, 52495), (944, 52483), (950, 52462), (970, 52423), (1007, 52333), (1018, 52315), (1021, 52309), (1029, 52294), (1039, 52270), (1041, 52255), (1042, 52252), (1044, 52240), (1054, 52216), (1073, 52168), (1084, 52144),

Gene: Scorpia_40 Start: 30133, Stop: 28268, Start Num: 254
Candidate Starts for Scorpia_40:
(Start: 224 @30166 has 2 MA's), (Start: 254 @30133 has 935 MA's), (334, 30022), (388, 29926), (426, 29857), (427, 29854), (436, 29827), (449, 29800), (455, 29791), (491, 29707), (494, 29698), (501, 29683), (514, 29647), (571, 29587), (591, 29551), (609, 29503), (625, 29482), (626, 29479), (659, 29419), (706, 29341), (727, 29293), (734, 29281), (758, 29233), (783, 29182), (819, 29047), (834, 28999), (843, 28981), (847, 28960), (850, 28951), (856, 28921), (862, 28894), (863, 28891), (904, 28813), (910, 28795), (929, 28747), (946, 28696), (971, 28642), (975, 28633), (985, 28615), (1018, 28537), (1060, 28420), (1065, 28408), (1111, 28303),

Gene: Scout_45 Start: 30682, Stop: 28844, Start Num: 254
Candidate Starts for Scout_45:
(202, 30754), (Start: 254 @30682 has 935 MA's), (289, 30631), (386, 30478), (422, 30418), (426, 30406), (449, 30349), (455, 30340), (463, 30328), (505, 30220), (514, 30196), (591, 30100), (611, 30052), (647, 29992), (683, 29929), (719, 29860), (732, 29839), (767, 29770), (770, 29764), (787, 29725), (819, 29602), (847, 29515), (855, 29479), (862, 29449), (873, 29419), (905, 29338), (920, 29299), (929, 29275), (935, 29257), (985, 29128), (1007, 29068), (1060, 28933), (1065, 28921), (1071, 28912),

Gene: Scowl_45 Start: 35221, Stop: 33395, Start Num: 254
Candidate Starts for Scowl_45:
(Start: 254 @35221 has 935 MA's), (391, 35008), (400, 34993), (426, 34945), (436, 34915), (443, 34894), (449, 34888), (455, 34879), (504, 34762), (514, 34735), (591, 34642), (596, 34627), (639, 34543), (641, 34540), (680, 34474), (701, 34444), (711, 34414), (734, 34369), (755, 34330), (819, 34150), (834, 34102), (847, 34063), (862, 33997), (875, 33958), (899, 33937), (904, 33916), (910, 33898), (935, 33832), (1003, 33682), (1004, 33679), (1012, 33643), (1029, 33619), (1034, 33610), (1038, 33598), (1043, 33571), (1060, 33523), (1071, 33502),

Gene: Scrick_61 Start: 54049, Stop: 52190, Start Num: 215
Candidate Starts for Scrick_61:
(Start: 198 @54073 has 1 MA's), (Start: 215 @54049 has 328 MA's), (Start: 245 @54025 has 14 MA's), (Start: 258 @54019 has 2 MA's), (Start: 288 @53977 has 1 MA's), (300, 53956), (360, 53842), (363, 53836), (382, 53806), (418, 53746), (425, 53725), (442, 53671), (454, 53659), (464, 53641), (469, 53629), (511, 53524), (567, 53467), (590, 53431), (594, 53419), (603, 53395), (609, 53383), (620, 53365), (630, 53347), (641, 53329), (666, 53290), (670, 53281), (671, 53278), (673, 53275), (813, 52918), (820, 52885), (827, 52864), (856, 52771), (859, 52762), (881, 52699), (904, 52663), (905, 52660), (910, 52645), (939, 52567), (944, 52555), (950, 52534), (970, 52495), (1007, 52405), (1018, 52387), (1021, 52381), (1029, 52366), (1039, 52342), (1041, 52327), (1042, 52324), (1044, 52312), (1054, 52288), (1073, 52240), (1084, 52216),

Gene: Seabiscuit_46 Start: 34373, Stop: 32547, Start Num: 254
Candidate Starts for Seabiscuit_46:
(Start: 254 @34373 has 935 MA's), (391, 34160), (426, 34097), (436, 34067), (443, 34046), (449, 34040), (455, 34031), (504, 33914), (514, 33887), (591, 33794), (596, 33779), (609, 33746), (639, 33695), (641, 33692), (680, 33626), (711, 33566), (734, 33521), (755, 33482), (819, 33302), (834, 33254), (847, 33215), (862, 33149), (875, 33110), (899, 33089), (904, 33068), (910, 33050), (935, 32984), (1003, 32834), (1004, 32831), (1012, 32795), (1034, 32762), (1038, 32750), (1052, 32702), (1060, 32675), (1071, 32654),

Gene: Seanderson_47 Start: 35777, Stop: 33948, Start Num: 254
Candidate Starts for Seanderson_47:

(Start: 254 @35777 has 935 MA's), (391, 35564), (400, 35549), (426, 35501), (436, 35471), (443, 35450), (449, 35444), (455, 35435), (504, 35318), (514, 35291), (591, 35198), (596, 35183), (639, 35099), (641, 35096), (680, 35030), (711, 34970), (734, 34925), (755, 34886), (819, 34706), (834, 34658), (850, 34610), (859, 34571), (862, 34553), (875, 34514), (899, 34493), (904, 34472), (909, 34457), (953, 34334), (1035, 34163), (1040, 34139), (1057, 34091), (1060, 34079), (1071, 34058), (1075, 34052), (1094, 34004), (1101, 33989),

Gene: Sebastisaurus_36 Start: 27845, Stop: 29776, Start Num: 254
Candidate Starts for Sebastisaurus_36:
(231, 27815), (Start: 254 @27845 has 935 MA's), (305, 27926), (371, 28025), (415, 28097), (418, 28103), (436, 28157), (437, 28160), (588, 28415), (593, 28433), (618, 28490), (626, 28505), (639, 28532), (644, 28541), (647, 28544), (648, 28547), (658, 28562), (732, 28697), (755, 28742), (764, 28766), (819, 28955), (822, 28961), (834, 29003), (847, 29042), (853, 29072), (860, 29099), (862, 29108), (873, 29138), (884, 29162), (910, 29225), (969, 29375), (971, 29381), (996, 29423), (1000, 29435), (1007, 29468), (1012, 29483), (1021, 29492), (1035, 29519), (1037, 29525), (1040, 29543), (1043, 29555), (1060, 29603), (1065, 29615), (1094, 29678),

Gene: Sedgewig_38 Start: 28617, Stop: 26752, Start Num: 339
Candidate Starts for Sedgewig_38:
(Start: 275 @28704 has 3 MA's), (Start: 277 @28701 has 1 MA's), (Start: 339 @28617 has 121 MA's), (Start: 342 @28608 has 5 MA's), (392, 28503), (398, 28494), (418, 28464), (419, 28461), (472, 28341), (476, 28329), (478, 28323), (518, 28218), (525, 28191), (582, 28050), (587, 28044), (588, 28041), (591, 28029), (600, 28002), (601, 27999), (612, 27984), (634, 27978), (637, 27972), (657, 27939), (725, 27810), (749, 27750), (855, 27435), (858, 27426), (859, 27423), (862, 27405), (876, 27363), (880, 27357), (884, 27348), (895, 27333), (912, 27276), (970, 27117), (982, 27087), (985, 27078), (1004, 27018), (1007, 26994), (1025, 26955), (1039, 26922), (1040, 26910), (1058, 26850),

Gene: Selr12_61 Start: 54059, Stop: 52200, Start Num: 215
Candidate Starts for Selr12_61:
(Start: 198 @54083 has 1 MA's), (Start: 215 @54059 has 328 MA's), (Start: 245 @54035 has 14 MA's), (Start: 258 @54029 has 2 MA's), (Start: 288 @53987 has 1 MA's), (300, 53966), (360, 53852), (363, 53846), (382, 53816), (418, 53756), (425, 53735), (442, 53681), (454, 53669), (464, 53651), (469, 53639), (511, 53534), (567, 53477), (590, 53441), (594, 53429), (605, 53402), (620, 53375), (630, 53357), (641, 53339), (666, 53300), (670, 53291), (671, 53288), (813, 52928), (820, 52895), (827, 52874), (856, 52781), (859, 52772), (881, 52709), (904, 52673), (905, 52670), (910, 52655), (939, 52577), (944, 52565), (950, 52544), (970, 52505), (1007, 52415), (1018, 52397), (1021, 52391), (1029, 52376), (1039, 52352), (1041, 52337), (1042, 52334), (1044, 52322), (1054, 52298), (1073, 52250), (1084, 52226),

Gene: SemperFi_45 Start: 31534, Stop: 29747, Start Num: 254
Candidate Starts for SemperFi_45:
(114, 31789), (Start: 254 @31534 has 935 MA's), (386, 31330), (388, 31327), (391, 31321), (402, 31306), (413, 31291), (426, 31258), (427, 31255), (436, 31228), (449, 31201), (463, 31180), (474, 31150), (514, 31048), (591, 30955), (609, 30907), (618, 30898), (626, 30883), (666, 30817), (708, 30736), (732, 30688), (734, 30682), (767, 30619), (798, 30544), (819, 30463), (836, 30412), (846, 30379), (847, 30376), (862, 30310), (875, 30271), (899, 30250), (925, 30175), (931, 30157), (946, 30112), (956, 30085), (975, 30049), (983, 30037), (985, 30031), (1003, 29995), (1007, 29971), (1041, 29893), (1060, 29836), (1065, 29824), (1071, 29815),

Gene: SenorClean_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for SenorClean_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626,

30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Serendipitous_56 Start: 53740, Stop: 51905, Start Num: 208
Candidate Starts for Serendipitous_56:
(Start: 188 @53764 has 1 MA's), (Start: 208 @53740 has 32 MA's), (Start: 258 @53704 has 2 MA's), (464, 53356), (477, 53326), (487, 53314), (498, 53278), (511, 53248), (590, 53155), (594, 53143), (597, 53134), (603, 53119), (609, 53107), (620, 53089), (658, 53026), (671, 53002), (725, 52897), (797, 52708), (800, 52690), (814, 52642), (820, 52615), (854, 52507), (856, 52501), (859, 52492), (893, 52408), (905, 52375), (910, 52360), (933, 52300), (939, 52282), (944, 52270), (950, 52249), (953, 52240), (955, 52237), (1021, 52096), (1026, 52087), (1039, 52057), (1041, 52042), (1042, 52039), (1050, 52015), (1054, 52003), (1055, 52000), (1070, 51961), (1084, 51931), (1091, 51910),

Gene: Serendipity_60 Start: 54332, Stop: 52473, Start Num: 215
Candidate Starts for Serendipity_60:
(Start: 198 @54356 has 1 MA's), (Start: 215 @54332 has 328 MA's), (Start: 245 @54308 has 14 MA's), (Start: 258 @54302 has 2 MA's), (Start: 288 @54260 has 1 MA's), (300, 54239), (360, 54125), (363, 54119), (382, 54089), (418, 54029), (425, 54008), (442, 53954), (454, 53942), (464, 53924), (469, 53912), (511, 53807), (567, 53750), (590, 53714), (594, 53702), (605, 53675), (630, 53630), (666, 53573), (670, 53564), (671, 53561), (813, 53201), (820, 53168), (827, 53147), (856, 53054), (859, 53045), (881, 52982), (904, 52946), (905, 52943), (910, 52928), (939, 52850), (944, 52838), (950, 52817), (970, 52778), (1007, 52688), (1018, 52670), (1021, 52664), (1029, 52649), (1039, 52625), (1041, 52610), (1042, 52607), (1044, 52595), (1054, 52571), (1073, 52523), (1084, 52499),

Gene: Serenity_45 Start: 30497, Stop: 28668, Start Num: 254
Candidate Starts for Serenity_45:
(Start: 254 @30497 has 935 MA's), (386, 30293), (388, 30290), (391, 30284), (402, 30269), (413, 30254), (425, 30224), (426, 30221), (436, 30191), (449, 30164), (463, 30143), (474, 30113), (514, 30011), (591, 29918), (609, 29870), (618, 29861), (626, 29846), (666, 29780), (708, 29699), (732, 29651), (755, 29606), (819, 29426), (834, 29378), (836, 29375), (847, 29339), (862, 29273), (875, 29234), (899, 29213), (925, 29138), (931, 29120), (946, 29075), (956, 29048), (975, 29012), (985, 28994), (1003, 28958), (1007, 28934), (1041, 28856), (1060, 28799), (1065, 28787), (1071, 28778), (1091, 28730), (1106, 28700), (1112, 28682), (1114, 28679),

Gene: Serpentine_0060 Start: 54415, Stop: 52556, Start Num: 215
Candidate Starts for Serpentine_0060:
(Start: 198 @54439 has 1 MA's), (Start: 215 @54415 has 328 MA's), (Start: 245 @54391 has 14 MA's), (Start: 258 @54385 has 2 MA's), (Start: 288 @54343 has 1 MA's), (300, 54322), (360, 54208), (363, 54202), (382, 54172), (418, 54112), (425, 54091), (442, 54037), (454, 54025), (464, 54007), (469, 53995), (511, 53890), (567, 53833), (590, 53797), (594, 53785), (605, 53758), (620, 53731), (630, 53713), (641, 53695), (666, 53656), (670, 53647), (671, 53644), (783, 53386), (813, 53284), (820, 53251), (827, 53230), (856, 53137), (859, 53128), (881, 53065), (904, 53029), (905, 53026), (910, 53011), (939, 52933), (944, 52921), (950, 52900), (970, 52861), (1007, 52771), (1018, 52753), (1021, 52747), (1029, 52732), (1039, 52708), (1041, 52693), (1042, 52690), (1044, 52678), (1054, 52654), (1073, 52606), (1084, 52582),

Gene: Severus_42 Start: 30385, Stop: 28553, Start Num: 254
Candidate Starts for Severus_42:
(Start: 254 @30385 has 935 MA's), (289, 30334), (338, 30268), (386, 30181), (391, 30172), (422, 30121), (426, 30109), (449, 30052), (488, 29971), (491, 29959), (494, 29950), (505, 29923), (514, 29899), (591, 29806), (605, 29767), (647, 29698), (666, 29671), (734, 29539), (819, 29311), (843, 29245), (855, 29188), (862, 29158), (875, 29119), (905, 29047), (910, 29032), (920, 29008), (935,

28966), (946, 28933), (1007, 28777), (1021, 28753), (1043, 28690), (1060, 28642), (1065, 28630), (1071, 28621),

Gene: ShadowBud_61 Start: 54308, Stop: 52449, Start Num: 215
Candidate Starts for ShadowBud_61:
(Start: 198 @54332 has 1 MA's), (Start: 215 @54308 has 328 MA's), (Start: 245 @54284 has 14 MA's), (Start: 258 @54278 has 2 MA's), (Start: 288 @54236 has 1 MA's), (300, 54215), (360, 54101), (363, 54095), (382, 54065), (418, 54005), (425, 53984), (442, 53930), (454, 53918), (464, 53900), (469, 53888), (511, 53783), (567, 53726), (590, 53690), (594, 53678), (603, 53654), (609, 53642), (620, 53624), (630, 53606), (641, 53588), (666, 53549), (670, 53540), (671, 53537), (673, 53534), (813, 53177), (820, 53144), (827, 53123), (856, 53030), (859, 53021), (881, 52958), (904, 52922), (905, 52919), (910, 52904), (939, 52826), (944, 52814), (950, 52793), (970, 52754), (1007, 52664), (1018, 52646), (1021, 52640), (1029, 52625), (1039, 52601), (1041, 52586), (1042, 52583), (1044, 52571), (1054, 52547), (1073, 52499), (1084, 52475),

Gene: ShaiHulud_39 Start: 28934, Stop: 27069, Start Num: 339
Candidate Starts for ShaiHulud_39:
(Start: 275 @29021 has 3 MA's), (Start: 277 @29018 has 1 MA's), (Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (472, 28658), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (587, 28361), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (725, 28127), (749, 28067), (780, 27992), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (884, 27665), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: Shaka_45 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for Shaka_45:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: ShakeItOph_45 Start: 30557, Stop: 32419, Start Num: 254
Candidate Starts for ShakeItOph_45:
(175, 30458), (186, 30476), (Start: 254 @30557 has 935 MA's), (Start: 288 @30605 has 1 MA's), (388, 30764), (391, 30770), (443, 30875), (470, 30920), (587, 31127), (647, 31256), (708, 31361), (732, 31409), (769, 31493), (819, 31667), (846, 31751), (853, 31784), (856, 31793), (872, 31844), (903, 31913), (943, 32024), (971, 32093), (974, 32099), (1021, 32204), (1060, 32315),

Gene: Sham4_44 Start: 30331, Stop: 28544, Start Num: 254
Candidate Starts for Sham4_44:
(Start: 254 @30331 has 935 MA's), (386, 30127), (426, 30055), (436, 30025), (449, 29998), (593, 29746), (618, 29695), (666, 29614), (688, 29569), (690, 29566), (732, 29485), (759, 29428), (786, 29386), (798, 29341), (819, 29260), (836, 29209), (847, 29173), (862, 29107), (899, 29047), (902, 29035), (938, 28933), (946, 28909), (951, 28891), (985, 28828), (1000, 28801), (1003, 28792), (1007, 28768), (1060, 28633), (1065, 28621), (1071, 28612),

Gene: Shamu_38 Start: 28738, Stop: 26873, Start Num: 337
Candidate Starts for Shamu_38:
(Start: 337 @28738 has 44 MA's), (355, 28693), (381, 28639), (420, 28579), (438, 28528), (476, 28450), (478, 28444), (494, 28399), (495, 28396), (496, 28393), (511, 28354), (531, 28294), (582,

28171), (588, 28162), (591, 28150), (595, 28138), (601, 28120), (634, 28099), (639, 28087), (731, 27916), (796, 27748), (850, 27583), (858, 27547), (862, 27526), (876, 27484), (912, 27397), (925, 27352), (962, 27253), (982, 27208), (985, 27199), (1004, 27139), (1007, 27115), (1022, 27082), (1058, 26971),

Gene: Shapes_48 Start: 31200, Stop: 29365, Start Num: 254
Candidate Starts for Shapes_48:
(Start: 254 @31200 has 935 MA's), (289, 31149), (338, 31083), (386, 30996), (400, 30972), (422, 30936), (426, 30924), (449, 30867), (455, 30858), (491, 30774), (505, 30738), (510, 30726), (514, 30714), (591, 30621), (611, 30573), (647, 30513), (718, 30384), (719, 30381), (732, 30360), (734, 30354), (787, 30246), (819, 30123), (834, 30075), (855, 30000), (862, 29970), (875, 29931), (904, 29862), (905, 29859), (920, 29820), (929, 29796), (931, 29790), (935, 29778), (977, 29670), (1007, 29589), (1021, 29565), (1043, 29502), (1060, 29454), (1065, 29442), (1071, 29433),

Gene: Sharkboy_41 Start: 30011, Stop: 31882, Start Num: 241
Candidate Starts for Sharkboy_41:
(Start: 241 @30011 has 65 MA's), (373, 30194), (395, 30233), (415, 30251), (439, 30323), (455, 30347), (463, 30359), (464, 30362), (501, 30443), (621, 30635), (647, 30683), (702, 30773), (766, 30914), (804, 31037), (819, 31097), (843, 31163), (845, 31178), (853, 31214), (856, 31223), (862, 31250), (903, 31343), (936, 31436), (967, 31514), (1003, 31586), (1012, 31625), (1037, 31667), (1053, 31721), (1060, 31745), (1071, 31766), (1081, 31790),

Gene: Shatter_51 Start: 45981, Stop: 44164, Start Num: 251
Candidate Starts for Shatter_51:
(76, 46302), (87, 46278), (Start: 251 @45981 has 15 MA's), (280, 45945), (Start: 288 @45930 has 1 MA's), (305, 45900), (378, 45774), (437, 45651), (442, 45636), (469, 45594), (511, 45498), (590, 45405), (658, 45276), (671, 45252), (800, 44940), (806, 44922), (820, 44865), (856, 44751), (859, 44742), (881, 44679), (905, 44640), (910, 44625), (939, 44547), (944, 44535), (950, 44514), (953, 44505), (1000, 44418), (1008, 44382), (1012, 44370), (1036, 44331), (1039, 44322), (1041, 44307), (1054, 44262), (1084, 44190),

Gene: Shawty_33 Start: 26720, Stop: 28573, Start Num: 254
Candidate Starts for Shawty_33:
(Start: 254 @26720 has 935 MA's), (305, 26801), (386, 26921), (443, 27044), (455, 27059), (593, 27299), (602, 27326), (618, 27356), (625, 27368), (639, 27398), (647, 27410), (658, 27428), (679, 27464), (726, 27554), (732, 27563), (761, 27623), (764, 27632), (813, 27791), (819, 27821), (830, 27854), (834, 27872), (841, 27887), (847, 27914), (853, 27944), (855, 27950), (856, 27953), (859, 27962), (860, 27971), (862, 27980), (866, 27995), (874, 28025), (902, 28079), (943, 28193), (969, 28256), (971, 28262), (974, 28268), (996, 28304), (1000, 28316), (1007, 28349), (1012, 28364), (1018, 28367), (1021, 28373), (1035, 28400), (1037, 28406), (1041, 28427), (1060, 28484), (1063, 28490), (1065, 28496), (1071, 28505),

Gene: ShayRa_48 Start: 29944, Stop: 28154, Start Num: 254
Candidate Starts for ShayRa_48:
(Start: 254 @29944 has 935 MA's), (371, 29770), (426, 29665), (427, 29662), (436, 29635), (449, 29608), (474, 29557), (514, 29455), (591, 29362), (606, 29317), (609, 29314), (618, 29305), (708, 29143), (719, 29116), (732, 29095), (734, 29089), (788, 28990), (798, 28951), (813, 28900), (819, 28870), (836, 28819), (846, 28786), (853, 28753), (855, 28747), (862, 28717), (899, 28657), (904, 28636), (920, 28594), (930, 28567), (935, 28552), (971, 28465), (1003, 28402), (1004, 28399), (1060, 28243), (1065, 28231), (1073, 28219),

Gene: Shayna_42 Start: 28849, Stop: 30720, Start Num: 254
Candidate Starts for Shayna_42:

(Start: 254 @28849 has 935 MA's), (Start: 288 @28897 has 1 MA's), (Start: 299 @28918 has 1 MA's), (315, 28939), (455, 29182), (463, 29194), (467, 29206), (470, 29212), (501, 29278), (621, 29473), (647, 29521), (782, 29800), (819, 29938), (861, 30085), (862, 30091), (903, 30184), (925, 30244), (967, 30355), (970, 30361), (1021, 30475), (1036, 30505), (1037, 30508), (1060, 30586), (1064, 30595),

Gene: SheaKeira_43 Start: 30794, Stop: 29001, Start Num: 254
Candidate Starts for SheaKeira_43:
(Start: 254 @30794 has 935 MA's), (261, 30785), (289, 30743), (369, 30623), (371, 30620), (391, 30581), (396, 30572), (427, 30512), (436, 30485), (441, 30470), (449, 30458), (474, 30407), (514, 30305), (591, 30212), (599, 30188), (606, 30167), (680, 30044), (759, 29885), (761, 29882), (785, 29846), (787, 29840), (819, 29717), (843, 29651), (855, 29594), (859, 29582), (862, 29564), (899, 29504), (904, 29483), (910, 29465), (946, 29366), (975, 29303), (1003, 29249), (1037, 29168), (1041, 29147), (1060, 29090), (1065, 29078), (1071, 29069),

Gene: SheckWes_48 Start: 33927, Stop: 31552, Start Num: 58
Candidate Starts for SheckWes_48:
(Start: 58 @33927 has 15 MA's), (80, 33867), (115, 33786), (165, 33666), (213, 33621), (270, 33543), (Start: 275 @33537 has 3 MA's), (Start: 277 @33534 has 1 MA's), (297, 33504), (307, 33486), (323, 33456), (341, 33429), (Start: 342 @33426 has 5 MA's), (367, 33369), (378, 33348), (392, 33330), (426, 33267), (434, 33243), (437, 33234), (441, 33222), (459, 33189), (469, 33168), (476, 33147), (537, 32964), (569, 32889), (582, 32868), (591, 32847), (668, 32760), (716, 32712), (730, 32682), (733, 32676), (754, 32631), (755, 32628), (761, 32613), (773, 32592), (774, 32589), (798, 32508), (807, 32478), (823, 32418), (825, 32409), (830, 32394), (836, 32379), (841, 32367), (862, 32274), (874, 32238), (876, 32232), (880, 32226), (883, 32220), (905, 32163), (912, 32139), (945, 32034), (946, 32031), (970, 31980), (986, 31938), (991, 31920), (1004, 31881), (1013, 31839), (1027, 31815), (1039, 31785), (1050, 31737), (1053, 31728), (1058, 31713), (1064, 31689), (1072, 31668), (1095, 31614), (1108, 31581),

Gene: Shee_39 Start: 28927, Stop: 27062, Start Num: 339
Candidate Starts for Shee_39:
(Start: 275 @29014 has 3 MA's), (Start: 277 @29011 has 1 MA's), (Start: 339 @28927 has 121 MA's), (Start: 342 @28918 has 5 MA's), (392, 28813), (398, 28804), (418, 28774), (419, 28771), (472, 28651), (476, 28639), (478, 28633), (518, 28528), (525, 28501), (582, 28360), (587, 28354), (588, 28351), (591, 28339), (600, 28312), (601, 28309), (612, 28294), (634, 28288), (637, 28282), (657, 28249), (749, 28060), (855, 27745), (858, 27736), (859, 27733), (862, 27715), (876, 27673), (880, 27667), (884, 27658), (895, 27643), (912, 27586), (970, 27427), (982, 27397), (985, 27388), (1004, 27328), (1007, 27304), (1025, 27265), (1039, 27232), (1040, 27220), (1058, 27160),

Gene: Sheen_44 Start: 33301, Stop: 31466, Start Num: 254
Candidate Starts for Sheen_44:
(Start: 254 @33301 has 935 MA's), (271, 33280), (334, 33190), (416, 33052), (443, 32974), (449, 32968), (514, 32815), (588, 32731), (591, 32719), (606, 32674), (611, 32671), (647, 32611), (678, 32560), (683, 32548), (732, 32458), (755, 32413), (787, 32344), (798, 32302), (815, 32242), (819, 32221), (834, 32173), (850, 32125), (855, 32098), (856, 32095), (862, 32068), (875, 32029), (905, 31960), (920, 31921), (935, 31879), (936, 31876), (946, 31846), (985, 31750), (1000, 31723), (1012, 31675), (1018, 31672), (1060, 31555), (1065, 31543), (1071, 31534),

Gene: Sheila_58 Start: 53417, Stop: 51558, Start Num: 215
Candidate Starts for Sheila_58:
(Start: 198 @53441 has 1 MA's), (Start: 215 @53417 has 328 MA's), (Start: 245 @53393 has 14 MA's), (Start: 258 @53387 has 2 MA's), (280, 53360), (Start: 288 @53345 has 1 MA's), (300, 53324), (363, 53204), (382, 53174), (418, 53114), (425, 53093), (442, 53039), (454, 53027), (464, 53009),

(469, 52997), (511, 52892), (567, 52835), (590, 52799), (594, 52787), (605, 52760), (630, 52715), (666, 52658), (670, 52649), (671, 52646), (673, 52643), (783, 52388), (813, 52286), (820, 52253), (827, 52232), (856, 52139), (859, 52130), (881, 52067), (904, 52031), (905, 52028), (910, 52013), (939, 51935), (944, 51923), (950, 51902), (970, 51863), (1007, 51773), (1018, 51755), (1021, 51749), (1029, 51734), (1039, 51710), (1041, 51695), (1042, 51692), (1044, 51680), (1054, 51656), (1073, 51608), (1084, 51584),

Gene: SheldonCooper_47 Start: 31993, Stop: 30167, Start Num: 254
Candidate Starts for SheldonCooper_47:
(Start: 254 @31993 has 935 MA's), (Start: 288 @31945 has 1 MA's), (386, 31789), (426, 31717), (449, 31660), (455, 31651), (505, 31531), (514, 31507), (591, 31414), (611, 31366), (626, 31345), (647, 31306), (675, 31261), (719, 31174), (725, 31165), (732, 31153), (755, 31108), (759, 31096), (815, 30943), (819, 30922), (855, 30799), (862, 30769), (875, 30730), (904, 30664), (905, 30661), (920, 30622), (929, 30598), (1007, 30391), (1060, 30256), (1065, 30244), (1071, 30235),

Gene: Shenandoah_57 Start: 53309, Stop: 51492, Start Num: 256
Candidate Starts for Shenandoah_57:
(137, 53492), (Start: 256 @53309 has 51 MA's), (280, 53279), (391, 53099), (437, 52994), (463, 52946), (467, 52934), (481, 52904), (489, 52898), (511, 52835), (513, 52829), (567, 52778), (590, 52742), (609, 52694), (671, 52589), (718, 52493), (747, 52442), (796, 52298), (806, 52259), (814, 52229), (820, 52202), (824, 52190), (854, 52094), (856, 52088), (859, 52079), (861, 52067), (893, 51995), (904, 51965), (910, 51947), (915, 51938), (939, 51869), (944, 51857), (950, 51836), (985, 51767), (996, 51752), (1004, 51728), (1018, 51689), (1021, 51683), (1039, 51644), (1042, 51626), (1044, 51614), (1050, 51602), (1054, 51590), (1084, 51518),

Gene: Shenyu_58 Start: 54813, Stop: 52966, Start Num: 199
Candidate Starts for Shenyu_58:
(22, 55296), (23, 55290), (31, 55239), (35, 55221), (46, 55164), (155, 54876), (199, 54813), (257, 54765), (280, 54738), (313, 54687), (390, 54567), (464, 54417), (487, 54375), (498, 54339), (511, 54309), (590, 54216), (594, 54204), (603, 54180), (609, 54168), (620, 54150), (658, 54087), (671, 54063), (725, 53958), (732, 53949), (774, 53835), (797, 53769), (800, 53751), (814, 53703), (820, 53676), (854, 53568), (856, 53562), (859, 53553), (863, 53532), (893, 53469), (905, 53436), (910, 53421), (933, 53361), (939, 53343), (944, 53331), (950, 53310), (953, 53301), (955, 53298), (962, 53286), (1007, 53181), (1018, 53163), (1021, 53157), (1039, 53118), (1041, 53103), (1042, 53100), (1050, 53076), (1054, 53064), (1055, 53061), (1075, 53013), (1084, 52992), (1091, 52971),

Gene: ShiVal_58 Start: 54054, Stop: 52195, Start Num: 215
Candidate Starts for ShiVal_58:
(Start: 198 @54078 has 1 MA's), (Start: 215 @54054 has 328 MA's), (Start: 245 @54030 has 14 MA's), (Start: 258 @54024 has 2 MA's), (Start: 288 @53982 has 1 MA's), (300, 53961), (360, 53847), (363, 53841), (382, 53811), (418, 53751), (425, 53730), (442, 53676), (454, 53664), (464, 53646), (469, 53634), (511, 53529), (567, 53472), (590, 53436), (594, 53424), (605, 53397), (620, 53370), (630, 53352), (641, 53334), (666, 53295), (670, 53286), (671, 53283), (783, 53025), (813, 52923), (820, 52890), (827, 52869), (856, 52776), (859, 52767), (881, 52704), (904, 52668), (905, 52665), (910, 52650), (939, 52572), (944, 52560), (950, 52539), (970, 52500), (1007, 52410), (1018, 52392), (1021, 52386), (1029, 52371), (1039, 52347), (1041, 52332), (1042, 52329), (1044, 52317), (1054, 52293), (1073, 52245), (1084, 52221),

Gene: Shocker_43 Start: 33276, Stop: 31243, Start Num: 296
Candidate Starts for Shocker_43:
(Start: 296 @33276 has 1 MA's), (384, 33123), (407, 33090), (418, 33072), (431, 33033), (474, 32913), (478, 32904), (585, 32709), (599, 32664), (639, 32583), (642, 32577), (647, 32571), (659, 32550), (680, 32511), (694, 32481), (707, 32454), (725, 32412), (728, 32403), (759, 32343), (788, 32268),

(857, 32001), (875, 31935), (910, 31803), (922, 31764), (959, 31668), (974, 31632), (978, 31617), (981, 31608), (996, 31566), (1001, 31551), (1014, 31497), (1016, 31494), (1039, 31440), (1079, 31302), (1082, 31293),

Gene: ShortQueendom_40 Start: 30936, Stop: 29110, Start Num: 254
Candidate Starts for ShortQueendom_40:
(Start: 254 @30936 has 935 MA's), (391, 30723), (400, 30708), (426, 30660), (436, 30630), (443, 30609), (449, 30603), (455, 30594), (504, 30477), (514, 30450), (591, 30357), (596, 30342), (609, 30309), (639, 30258), (641, 30255), (680, 30189), (701, 30159), (711, 30129), (734, 30084), (755, 30045), (819, 29865), (830, 29835), (834, 29817), (836, 29814), (847, 29778), (862, 29712), (904, 29631), (905, 29628), (935, 29547), (1003, 29397), (1004, 29394), (1012, 29358), (1029, 29334), (1034, 29325), (1038, 29313), (1060, 29238), (1071, 29217),

Gene: Shrew_79 Start: 46522, Stop: 49053, Start Num: 37
Candidate Starts for Shrew_79:
(Start: 37 @46522 has 1 MA's), (100, 46708), (165, 46867), (Start: 253 @46969 has 33 MA's), (Start: 275 @46996 has 3 MA's), (Start: 277 @46999 has 1 MA's), (311, 47047), (Start: 337 @47089 has 44 MA's), (366, 47167), (379, 47194), (389, 47215), (412, 47251), (461, 47365), (476, 47404), (496, 47461), (529, 47530), (536, 47563), (569, 47641), (704, 47848), (720, 47887), (750, 47965), (753, 47977), (755, 47983), (768, 48007), (774, 48019), (823, 48193), (827, 48208), (830, 48217), (858, 48316), (862, 48337), (887, 48400), (903, 48439), (912, 48475), (958, 48613), (979, 48655), (991, 48694), (1004, 48733), (1011, 48769), (1039, 48829), (1058, 48901), (1060, 48910), (1069, 48940), (1079, 48967), (1106, 49033),

Gene: Shuman_36 Start: 28126, Stop: 26342, Start Num: 254
Candidate Starts for Shuman_36:
(Start: 254 @28126 has 935 MA's), (407, 27892), (422, 27862), (425, 27853), (426, 27850), (441, 27805), (449, 27793), (474, 27742), (514, 27640), (548, 27619), (591, 27547), (606, 27502), (609, 27499), (636, 27457), (638, 27451), (647, 27436), (666, 27409), (719, 27304), (725, 27295), (734, 27277), (755, 27238), (787, 27181), (819, 27058), (834, 27010), (862, 26905), (863, 26902), (899, 26845), (904, 26824), (923, 26776), (948, 26701), (983, 26632), (1003, 26590), (1007, 26566), (1041, 26488), (1060, 26431), (1065, 26419), (1071, 26410), (1085, 26380), (1091, 26362),

Gene: Shygu2_44 Start: 31522, Stop: 29693, Start Num: 254
Candidate Starts for Shygu2_44:
(Start: 254 @31522 has 935 MA's), (289, 31471), (305, 31441), (413, 31279), (421, 31261), (426, 31246), (449, 31189), (455, 31180), (463, 31168), (505, 31060), (514, 31036), (591, 30943), (611, 30895), (626, 30874), (647, 30835), (719, 30703), (732, 30682), (755, 30637), (759, 30625), (815, 30472), (819, 30451), (862, 30298), (874, 30262), (875, 30259), (905, 30187), (910, 30172), (920, 30148), (927, 30130), (929, 30124), (931, 30118), (1007, 29917), (1060, 29782), (1065, 29770), (1071, 29761),

Gene: Sibs6_45 Start: 33579, Stop: 31753, Start Num: 254
Candidate Starts for Sibs6_45:
(Start: 254 @33579 has 935 MA's), (391, 33366), (400, 33351), (426, 33303), (436, 33273), (443, 33252), (449, 33246), (455, 33237), (504, 33120), (514, 33093), (591, 33000), (596, 32985), (639, 32901), (641, 32898), (680, 32832), (701, 32802), (711, 32772), (734, 32727), (755, 32688), (819, 32508), (834, 32460), (847, 32421), (862, 32355), (875, 32316), (899, 32295), (904, 32274), (910, 32256), (935, 32190), (1003, 32040), (1004, 32037), (1012, 32001), (1029, 31977), (1034, 31968), (1038, 31956), (1052, 31908), (1060, 31881), (1071, 31860),

Gene: Sigman_61 Start: 54010, Stop: 52151, Start Num: 215
Candidate Starts for Sigman_61:

(Start: 198 @54034 has 1 MA's), (Start: 215 @54010 has 328 MA's), (Start: 245 @53986 has 14 MA's), (Start: 258 @53980 has 2 MA's), (Start: 288 @53938 has 1 MA's), (300, 53917), (360, 53803), (363, 53797), (382, 53767), (418, 53707), (425, 53686), (442, 53632), (454, 53620), (464, 53602), (469, 53590), (511, 53485), (567, 53428), (590, 53392), (594, 53380), (603, 53356), (609, 53344), (620, 53326), (630, 53308), (641, 53290), (666, 53251), (670, 53242), (671, 53239), (673, 53236), (813, 52879), (820, 52846), (827, 52825), (856, 52732), (859, 52723), (881, 52660), (904, 52624), (905, 52621), (910, 52606), (939, 52528), (944, 52516), (950, 52495), (970, 52456), (1007, 52366), (1018, 52348), (1021, 52342), (1029, 52327), (1039, 52303), (1041, 52288), (1042, 52285), (1044, 52273), (1054, 52249), (1073, 52201), (1084, 52177),

Gene: SilverBell_61 Start: 54295, Stop: 52436, Start Num: 215
Candidate Starts for SilverBell_61:
(Start: 198 @54319 has 1 MA's), (Start: 215 @54295 has 328 MA's), (Start: 245 @54271 has 14 MA's), (Start: 258 @54265 has 2 MA's), (Start: 288 @54223 has 1 MA's), (300, 54202), (360, 54088), (363, 54082), (382, 54052), (418, 53992), (425, 53971), (442, 53917), (454, 53905), (464, 53887), (469, 53875), (511, 53770), (567, 53713), (590, 53677), (594, 53665), (603, 53641), (609, 53629), (620, 53611), (630, 53593), (641, 53575), (666, 53536), (670, 53527), (671, 53524), (673, 53521), (813, 53164), (820, 53131), (827, 53110), (856, 53017), (859, 53008), (881, 52945), (904, 52909), (905, 52906), (910, 52891), (939, 52813), (944, 52801), (950, 52780), (970, 52741), (1007, 52651), (1018, 52633), (1021, 52627), (1029, 52612), (1039, 52588), (1041, 52573), (1042, 52570), (1044, 52558), (1054, 52534), (1073, 52486), (1084, 52462),

Gene: Simielle_60 Start: 54014, Stop: 52155, Start Num: 215
Candidate Starts for Simielle_60:
(Start: 198 @54038 has 1 MA's), (Start: 215 @54014 has 328 MA's), (Start: 245 @53990 has 14 MA's), (Start: 258 @53984 has 2 MA's), (Start: 288 @53942 has 1 MA's), (300, 53921), (360, 53807), (363, 53801), (382, 53771), (418, 53711), (425, 53690), (442, 53636), (454, 53624), (464, 53606), (469, 53594), (511, 53489), (567, 53432), (590, 53396), (594, 53384), (605, 53357), (630, 53312), (666, 53255), (670, 53246), (671, 53243), (783, 52985), (813, 52883), (820, 52850), (827, 52829), (856, 52736), (859, 52727), (881, 52664), (904, 52628), (905, 52625), (910, 52610), (939, 52532), (944, 52520), (950, 52499), (970, 52460), (1007, 52370), (1018, 52352), (1021, 52346), (1029, 52331), (1039, 52307), (1041, 52292), (1042, 52289), (1044, 52277), (1054, 52253), (1073, 52205), (1084, 52181),

Gene: Simpson_43 Start: 29708, Stop: 31573, Start Num: 254
Candidate Starts for Simpson_43:
(Start: 254 @29708 has 935 MA's), (Start: 288 @29756 has 1 MA's), (436, 30005), (463, 30053), (479, 30095), (593, 30302), (596, 30311), (641, 30401), (647, 30410), (657, 30425), (681, 30470), (708, 30515), (732, 30563), (759, 30620), (788, 30701), (812, 30788), (819, 30821), (830, 30851), (847, 30908), (862, 30974), (903, 31067), (929, 31139), (971, 31247), (1003, 31310), (1007, 31334), (1053, 31445), (1060, 31469), (1064, 31478),

Gene: Sinatra_37 Start: 28491, Stop: 26641, Start Num: 335
Candidate Starts for Sinatra_37:
(Start: 335 @28491 has 20 MA's), (398, 28368), (419, 28335), (469, 28224), (476, 28203), (478, 28197), (496, 28146), (554, 27990), (582, 27936), (587, 27930), (588, 27927), (591, 27915), (601, 27885), (637, 27858), (654, 27828), (731, 27681), (789, 27534), (855, 27324), (859, 27312), (862, 27294), (876, 27252), (884, 27237), (902, 27201), (912, 27165), (982, 26976), (985, 26967), (1004, 26907), (1007, 26883), (1015, 26862), (1022, 26850), (1058, 26739),

Gene: SirBeanington_42 Start: 29792, Stop: 31666, Start Num: 241
Candidate Starts for SirBeanington_42:

(Start: 238 @29789 has 7 MA's), (Start: 241 @29792 has 65 MA's), (Start: 299 @29861 has 1 MA's), (315, 29882), (455, 30128), (474, 30170), (602, 30383), (647, 30464), (766, 30698), (804, 30821), (819, 30881), (822, 30887), (836, 30932), (843, 30947), (845, 30962), (853, 30998), (862, 31034), (903, 31127), (936, 31220), (967, 31298), (1003, 31370), (1012, 31409), (1037, 31451), (1040, 31469), (1060, 31529), (1071, 31550),

Gene: SirBeauregard_61 Start: 54580, Stop: 52721, Start Num: 215
Candidate Starts for SirBeauregard_61:
(Start: 198 @54604 has 1 MA's), (Start: 215 @54580 has 328 MA's), (Start: 245 @54556 has 14 MA's), (Start: 258 @54550 has 2 MA's), (Start: 288 @54508 has 1 MA's), (300, 54487), (360, 54373), (363, 54367), (382, 54337), (418, 54277), (425, 54256), (442, 54202), (454, 54190), (464, 54172), (469, 54160), (511, 54055), (567, 53998), (590, 53962), (594, 53950), (603, 53926), (609, 53914), (620, 53896), (630, 53878), (641, 53860), (666, 53821), (670, 53812), (671, 53809), (673, 53806), (813, 53449), (820, 53416), (827, 53395), (856, 53302), (859, 53293), (881, 53230), (904, 53194), (905, 53191), (910, 53176), (939, 53098), (944, 53086), (950, 53065), (970, 53026), (1007, 52936), (1018, 52918), (1021, 52912), (1029, 52897), (1039, 52873), (1041, 52858), (1042, 52855), (1044, 52843), (1054, 52819), (1073, 52771), (1084, 52747),

Gene: SirJeffery_57 Start: 54475, Stop: 52676, Start Num: 258
Candidate Starts for SirJeffery_57:
(136, 54625), (171, 54559), (Start: 208 @54505 has 32 MA's), (Start: 239 @54484 has 1 MA's), (Start: 258 @54475 has 2 MA's), (280, 54448), (310, 54400), (379, 54289), (390, 54277), (464, 54127), (477, 54097), (487, 54085), (498, 54049), (511, 54019), (590, 53926), (594, 53914), (595, 53911), (603, 53890), (609, 53878), (620, 53860), (658, 53797), (671, 53773), (725, 53668), (774, 53545), (783, 53521), (792, 53494), (796, 53482), (797, 53479), (800, 53461), (814, 53413), (820, 53386), (840, 53335), (856, 53272), (859, 53263), (893, 53179), (905, 53146), (910, 53131), (933, 53071), (939, 53053), (944, 53041), (950, 53020), (953, 53011), (955, 53008), (1007, 52891), (1018, 52873), (1021, 52867), (1039, 52828), (1040, 52816), (1041, 52813), (1044, 52798), (1050, 52786), (1054, 52774), (1055, 52771), (1070, 52732), (1075, 52723), (1084, 52702), (1091, 52681),

Gene: SirVictor_37 Start: 28567, Stop: 26717, Start Num: 335
Candidate Starts for SirVictor_37:
(233, 28708), (301, 28618), (Start: 335 @28567 has 20 MA's), (381, 28468), (398, 28444), (419, 28411), (469, 28300), (476, 28279), (478, 28273), (494, 28228), (496, 28222), (554, 28066), (588, 28003), (591, 27991), (601, 27961), (654, 27904), (789, 27610), (855, 27400), (858, 27391), (859, 27388), (862, 27370), (876, 27328), (912, 27241), (1004, 26983), (1007, 26959), (1008, 26956), (1022, 26926), (1058, 26815),

Gene: Sisko_49 Start: 45974, Stop: 44160, Start Num: 245
Candidate Starts for Sisko_49:
(183, 46064), (187, 46058), (Start: 245 @45974 has 14 MA's), (Start: 258 @45965 has 2 MA's), (Start: 288 @45923 has 1 MA's), (360, 45797), (388, 45755), (413, 45713), (437, 45644), (463, 45605), (467, 45593), (469, 45590), (503, 45515), (511, 45494), (590, 45401), (657, 45275), (666, 45260), (671, 45248), (715, 45158), (800, 44936), (820, 44861), (856, 44747), (859, 44738), (881, 44675), (905, 44636), (910, 44621), (939, 44543), (944, 44531), (945, 44525), (950, 44510), (953, 44501), (958, 44492), (1000, 44414), (1007, 44381), (1008, 44378), (1037, 44324), (1039, 44318), (1045, 44282), (1054, 44258), (1084, 44186),

Gene: Sixama_172 Start: 99122, Stop: 97338, Start Num: 255
Candidate Starts for Sixama_172:
(207, 99188), (225, 99161), (Start: 255 @99122 has 1 MA's), (328, 99014), (369, 98954), (386, 98921), (425, 98858), (439, 98813), (467, 98768), (469, 98765), (506, 98687), (512, 98672), (513, 98669), (517, 98657), (591, 98588), (632, 98504), (647, 98477), (657, 98462), (740, 98303), (755, 98279),

(810, 98138), (815, 98117), (819, 98096), (870, 97916), (891, 97859), (929, 97757), (932, 97748), (954, 97685), (960, 97673), (966, 97664), (1008, 97544), (1012, 97532), (1021, 97523), (1024, 97517), (1035, 97496), (1037, 97490), (1039, 97484), (1042, 97466), (1043, 97460), (1060, 97412), (1087, 97361),

Gene: Skelbel_40 Start: 30355, Stop: 32220, Start Num: 254
Candidate Starts for Skelbel_40:
(Start: 254 @30355 has 935 MA's), (Start: 288 @30403 has 1 MA's), (411, 30586), (415, 30592), (436, 30652), (443, 30673), (479, 30742), (596, 30958), (641, 31048), (647, 31057), (657, 31072), (681, 31117), (732, 31210), (788, 31348), (819, 31468), (830, 31498), (847, 31555), (860, 31612), (862, 31621), (872, 31645), (903, 31714), (929, 31786), (932, 31795), (971, 31894), (1003, 31957), (1060, 32116), (1064, 32125),

Gene: SketchMex_43 Start: 32515, Stop: 30125, Start Num: 45
Candidate Starts for SketchMex_43:
(Start: 45 @32515 has 21 MA's), (80, 32452), (87, 32434), (93, 32419), (115, 32365), (118, 32353), (124, 32332), (139, 32299), (152, 32272), (165, 32248), (201, 32221), (Start: 277 @32116 has 1 MA's), (307, 32068), (367, 31951), (417, 31870), (427, 31843), (434, 31822), (459, 31768), (461, 31765), (469, 31747), (476, 31726), (497, 31666), (569, 31468), (591, 31426), (668, 31339), (684, 31315), (706, 31309), (730, 31255), (733, 31249), (753, 31207), (754, 31204), (755, 31201), (807, 31054), (816, 31012), (825, 30985), (841, 30943), (862, 30850), (874, 30814), (876, 30808), (880, 30802), (883, 30796), (897, 30772), (905, 30739), (912, 30715), (925, 30670), (945, 30610), (1004, 30457), (1058, 30289), (1072, 30244), (1076, 30235), (1079, 30226),

Gene: SkiPole_47 Start: 35312, Stop: 33483, Start Num: 254
Candidate Starts for SkiPole_47:
(Start: 254 @35312 has 935 MA's), (391, 35099), (400, 35084), (426, 35036), (436, 35006), (443, 34985), (449, 34979), (455, 34970), (504, 34853), (514, 34826), (591, 34733), (596, 34718), (639, 34634), (641, 34631), (680, 34565), (711, 34505), (734, 34460), (755, 34421), (819, 34241), (834, 34193), (850, 34145), (859, 34106), (862, 34088), (875, 34049), (899, 34028), (904, 34007), (909, 33992), (953, 33869), (1035, 33698), (1040, 33674), (1057, 33626), (1060, 33614), (1071, 33593), (1075, 33587), (1094, 33539), (1101, 33524),

Gene: Skipitt_44 Start: 31564, Stop: 29738, Start Num: 254
Candidate Starts for Skipitt_44:
(Start: 254 @31564 has 935 MA's), (271, 31543), (289, 31513), (305, 31483), (413, 31321), (421, 31303), (449, 31231), (455, 31222), (505, 31102), (514, 31078), (591, 30985), (611, 30937), (626, 30916), (647, 30877), (719, 30745), (732, 30724), (755, 30679), (759, 30667), (815, 30514), (819, 30493), (855, 30370), (862, 30340), (875, 30301), (904, 30235), (905, 30232), (910, 30217), (920, 30193), (929, 30169), (1007, 29962), (1060, 29827), (1065, 29815), (1071, 29806),

Gene: Skippy_61 Start: 54268, Stop: 52409, Start Num: 215
Candidate Starts for Skippy_61:
(Start: 198 @54292 has 1 MA's), (Start: 215 @54268 has 328 MA's), (Start: 245 @54244 has 14 MA's), (Start: 258 @54238 has 2 MA's), (Start: 288 @54196 has 1 MA's), (300, 54175), (360, 54061), (363, 54055), (382, 54025), (418, 53965), (425, 53944), (442, 53890), (454, 53878), (464, 53860), (469, 53848), (511, 53743), (567, 53686), (590, 53650), (594, 53638), (603, 53614), (609, 53602), (620, 53584), (630, 53566), (641, 53548), (666, 53509), (670, 53500), (671, 53497), (673, 53494), (783, 53239), (813, 53137), (820, 53104), (827, 53083), (856, 52990), (859, 52981), (881, 52918), (904, 52882), (905, 52879), (910, 52864), (939, 52786), (944, 52774), (950, 52753), (970, 52714), (1007, 52624), (1018, 52606), (1021, 52600), (1029, 52585), (1039, 52561), (1041, 52546), (1042, 52543), (1044, 52531), (1054, 52507), (1060, 52486), (1073, 52459), (1084, 52435),

Gene: Sknot_44 Start: 31360, Stop: 29573, Start Num: 254
Candidate Starts for Sknot_44:
(Start: 254 @31360 has 935 MA's), (386, 31156), (388, 31153), (391, 31147), (413, 31117), (426, 31084), (427, 31081), (436, 31054), (449, 31027), (474, 30976), (514, 30874), (591, 30781), (609, 30733), (618, 30724), (626, 30709), (666, 30643), (708, 30562), (732, 30514), (798, 30370), (819, 30289), (836, 30238), (846, 30205), (862, 30136), (875, 30097), (899, 30076), (904, 30055), (908, 30043), (983, 29863), (985, 29857), (1003, 29821), (1007, 29797), (1041, 29719), (1060, 29662), (1065, 29650),

Gene: Skylord_40 Start: 27452, Stop: 29320, Start Num: 238
Candidate Starts for Skylord_40:
(Start: 238 @27452 has 7 MA's), (Start: 241 @27455 has 65 MA's), (244, 27458), (Start: 299 @27527 has 1 MA's), (464, 27809), (474, 27836), (501, 27890), (605, 28055), (647, 28130), (659, 28151), (804, 28505), (819, 28565), (836, 28616), (853, 28682), (862, 28718), (903, 28811), (967, 28982), (1003, 29054), (1037, 29135), (1059, 29210), (1060, 29213), (1071, 29234), (1100, 29303),

Gene: Slagathor_47 Start: 35125, Stop: 33338, Start Num: 254
Candidate Starts for Slagathor_47:
(Start: 254 @35125 has 935 MA's), (391, 34912), (400, 34897), (436, 34819), (443, 34798), (449, 34792), (455, 34783), (504, 34666), (514, 34639), (591, 34546), (596, 34531), (609, 34498), (639, 34447), (641, 34444), (680, 34378), (701, 34348), (711, 34318), (734, 34273), (755, 34234), (819, 34054), (834, 34006), (847, 33967), (862, 33901), (902, 33829), (904, 33820), (935, 33736), (971, 33649), (1029, 33523), (1035, 33511), (1060, 33427), (1063, 33421),

Gene: Slatt_61 Start: 54333, Stop: 52474, Start Num: 215
Candidate Starts for Slatt_61:
(Start: 198 @54357 has 1 MA's), (Start: 215 @54333 has 328 MA's), (Start: 245 @54309 has 14 MA's), (Start: 258 @54303 has 2 MA's), (Start: 288 @54261 has 1 MA's), (300, 54240), (360, 54126), (363, 54120), (382, 54090), (418, 54030), (425, 54009), (442, 53955), (454, 53943), (464, 53925), (469, 53913), (511, 53808), (567, 53751), (590, 53715), (594, 53703), (605, 53676), (620, 53649), (630, 53631), (641, 53613), (666, 53574), (670, 53565), (671, 53562), (813, 53202), (820, 53169), (827, 53148), (856, 53055), (859, 53046), (881, 52983), (904, 52947), (905, 52944), (910, 52929), (939, 52851), (944, 52839), (950, 52818), (970, 52779), (1007, 52689), (1018, 52671), (1021, 52665), (1029, 52650), (1039, 52626), (1041, 52611), (1042, 52608), (1044, 52596), (1054, 52572), (1073, 52524), (1084, 52500),

Gene: Slay_43 Start: 30006, Stop: 31880, Start Num: 241
Candidate Starts for Slay_43:
(Start: 238 @30003 has 7 MA's), (Start: 241 @30006 has 65 MA's), (Start: 299 @30075 has 1 MA's), (315, 30096), (386, 30213), (426, 30276), (455, 30342), (474, 30384), (647, 30678), (719, 30813), (766, 30912), (804, 31035), (819, 31095), (822, 31101), (836, 31146), (843, 31161), (845, 31176), (853, 31212), (862, 31248), (903, 31341), (936, 31434), (967, 31512), (1003, 31584), (1012, 31623), (1037, 31665), (1040, 31683), (1060, 31743), (1071, 31764),

Gene: SlippinJimmy_60 Start: 54842, Stop: 53025, Start Num: 256
Candidate Starts for SlippinJimmy_60:
(137, 55025), (Start: 256 @54842 has 51 MA's), (280, 54812), (391, 54632), (463, 54479), (467, 54467), (481, 54437), (489, 54431), (511, 54368), (513, 54362), (567, 54311), (590, 54275), (609, 54227), (671, 54122), (718, 54026), (747, 53975), (796, 53831), (806, 53792), (814, 53762), (820, 53735), (824, 53723), (854, 53627), (856, 53621), (859, 53612), (861, 53600), (893, 53528), (904, 53498), (910, 53480), (915, 53471), (939, 53402), (944, 53390), (950, 53369), (985, 53300), (996, 53285), (1004, 53261), (1007, 53240), (1018, 53222), (1021, 53216), (1037, 53183), (1039, 53177), (1042, 53159), (1044, 53147), (1050, 53135), (1054, 53123), (1070, 53081), (1084, 53051),

Gene: Smairt_47 Start: 35424, Stop: 33637, Start Num: 254
Candidate Starts for Smairt_47:
(Start: 254 @35424 has 935 MA's), (391, 35211), (400, 35196), (436, 35118), (443, 35097), (449, 35091), (455, 35082), (504, 34965), (514, 34938), (591, 34845), (596, 34830), (603, 34809), (609, 34797), (639, 34746), (641, 34743), (675, 34689), (680, 34677), (701, 34647), (711, 34617), (734, 34572), (755, 34533), (819, 34353), (834, 34305), (847, 34266), (862, 34200), (902, 34128), (904, 34119), (935, 34035), (971, 33948), (1029, 33822), (1035, 33810), (1060, 33726), (1063, 33720),

Gene: Smeadley_43 Start: 30722, Stop: 28878, Start Num: 254
Candidate Starts for Smeadley_43:
(Start: 149 @30887 has 1 MA's), (Start: 254 @30722 has 935 MA's), (289, 30671), (371, 30548), (386, 30518), (413, 30479), (426, 30446), (436, 30416), (443, 30395), (449, 30389), (455, 30380), (474, 30338), (494, 30287), (513, 30239), (514, 30236), (591, 30140), (600, 30113), (606, 30095), (609, 30092), (618, 30083), (647, 30029), (666, 30002), (690, 29954), (719, 29897), (734, 29870), (759, 29819), (768, 29804), (815, 29657), (819, 29636), (830, 29606), (834, 29588), (836, 29585), (843, 29570), (847, 29549), (850, 29540), (855, 29513), (859, 29501), (862, 29483), (904, 29402), (908, 29390), (929, 29336), (941, 29300), (953, 29264), (971, 29231), (983, 29210), (985, 29204), (1004, 29165), (1007, 29144), (1018, 29126), (1060, 29009), (1063, 29003), (1065, 28997),

Gene: Smeagan_47 Start: 31877, Stop: 30090, Start Num: 254
Candidate Starts for Smeagan_47:
(Start: 254 @31877 has 935 MA's), (388, 31670), (391, 31664), (402, 31649), (413, 31634), (427, 31598), (436, 31571), (449, 31544), (463, 31523), (514, 31391), (591, 31298), (606, 31253), (609, 31250), (618, 31241), (626, 31226), (666, 31160), (708, 31079), (732, 31031), (734, 31025), (819, 30806), (836, 30755), (846, 30722), (847, 30719), (862, 30653), (875, 30614), (899, 30593), (925, 30518), (929, 30506), (946, 30455), (975, 30392), (985, 30374), (1003, 30338), (1007, 30314), (1041, 30236), (1060, 30179), (1065, 30167), (1071, 30158),

Gene: Smeagol_46 Start: 35946, Stop: 34120, Start Num: 254
Candidate Starts for Smeagol_46:
(Start: 254 @35946 has 935 MA's), (391, 35733), (400, 35718), (436, 35640), (443, 35619), (449, 35613), (455, 35604), (504, 35487), (514, 35460), (591, 35367), (596, 35352), (609, 35319), (639, 35268), (641, 35265), (680, 35199), (701, 35169), (711, 35139), (734, 35094), (755, 35055), (819, 34875), (834, 34827), (836, 34824), (847, 34788), (862, 34722), (904, 34641), (905, 34638), (935, 34557), (1003, 34407), (1004, 34404), (1012, 34368), (1029, 34344), (1038, 34323), (1060, 34248), (1071, 34227),

Gene: SmellyB_45 Start: 29627, Stop: 27786, Start Num: 254
Candidate Starts for SmellyB_45:
(Start: 254 @29627 has 935 MA's), (386, 29423), (426, 29348), (427, 29345), (436, 29318), (441, 29303), (449, 29291), (474, 29240), (510, 29150), (514, 29138), (591, 29045), (605, 29006), (618, 28988), (626, 28973), (666, 28907), (681, 28874), (683, 28871), (735, 28769), (767, 28709), (798, 28625), (819, 28544), (846, 28460), (847, 28457), (850, 28448), (855, 28421), (862, 28391), (899, 28331), (910, 28292), (1003, 28076), (1004, 28073), (1007, 28052), (1060, 27917), (1065, 27905), (1071, 27896), (1073, 27893), (1111, 27800),

Gene: SnapTap_44 Start: 31345, Stop: 29558, Start Num: 254
Candidate Starts for SnapTap_44:
(114, 31600), (Start: 254 @31345 has 935 MA's), (386, 31141), (388, 31138), (391, 31132), (402, 31117), (413, 31102), (426, 31069), (427, 31066), (436, 31039), (449, 31012), (463, 30991), (474, 30961), (514, 30859), (591, 30766), (609, 30718), (618, 30709), (626, 30694), (666, 30628), (708, 30547), (732, 30499), (734, 30493), (767, 30430), (798, 30355), (819, 30274), (836, 30223), (846,

30190), (847, 30187), (862, 30121), (875, 30082), (899, 30061), (925, 29986), (931, 29968), (946, 29923), (956, 29896), (975, 29860), (983, 29848), (985, 29842), (1003, 29806), (1007, 29782), (1041, 29704), (1060, 29647), (1065, 29635), (1071, 29626),

Gene: Snape_44 Start: 30329, Stop: 28542, Start Num: 254
Candidate Starts for Snape_44:
(Start: 254 @30329 has 935 MA's), (386, 30125), (426, 30053), (436, 30023), (449, 29996), (593, 29744), (618, 29693), (666, 29612), (688, 29567), (732, 29483), (759, 29426), (786, 29384), (798, 29339), (819, 29258), (836, 29207), (847, 29171), (862, 29105), (899, 29045), (902, 29033), (938, 28931), (946, 28907), (951, 28889), (985, 28826), (1000, 28799), (1003, 28790), (1007, 28766), (1060, 28631), (1065, 28619), (1071, 28610),

Gene: Snazzy_42 Start: 34003, Stop: 32177, Start Num: 254
Candidate Starts for Snazzy_42:
(Start: 254 @34003 has 935 MA's), (391, 33790), (400, 33775), (436, 33697), (443, 33676), (449, 33670), (455, 33661), (504, 33544), (514, 33517), (591, 33424), (596, 33409), (609, 33376), (639, 33325), (641, 33322), (680, 33256), (701, 33226), (711, 33196), (734, 33151), (755, 33112), (819, 32932), (830, 32902), (834, 32884), (836, 32881), (847, 32845), (862, 32779), (904, 32698), (905, 32695), (935, 32614), (1003, 32464), (1004, 32461), (1012, 32425), (1029, 32401), (1034, 32392), (1038, 32380), (1060, 32305), (1071, 32284),

Gene: Snek_40 Start: 28185, Stop: 30029, Start Num: 254
Candidate Starts for Snek_40:
(Start: 254 @28185 has 935 MA's), (Start: 288 @28233 has 1 MA's), (332, 28293), (386, 28389), (411, 28416), (427, 28455), (443, 28503), (479, 28572), (593, 28758), (647, 28866), (657, 28881), (726, 29010), (732, 29019), (788, 29157), (819, 29277), (847, 29364), (860, 29421), (862, 29430), (903, 29523), (1003, 29766), (1060, 29925), (1064, 29934), (1099, 30012),

Gene: Snickers_48 Start: 31826, Stop: 30012, Start Num: 254
Candidate Starts for Snickers_48:
(Start: 254 @31826 has 935 MA's), (284, 31787), (289, 31775), (386, 31622), (395, 31607), (426, 31550), (449, 31493), (455, 31484), (474, 31442), (494, 31391), (514, 31340), (591, 31247), (609, 31199), (618, 31190), (626, 31175), (647, 31136), (666, 31109), (680, 31079), (727, 30986), (758, 30926), (767, 30911), (819, 30755), (847, 30668), (862, 30602), (875, 30563), (905, 30491), (920, 30452), (929, 30428), (935, 30410), (946, 30377), (956, 30350), (985, 30296), (1007, 30236), (1041, 30158), (1060, 30101), (1065, 30089), (1071, 30080),

Gene: SoYo_48 Start: 31764, Stop: 29950, Start Num: 254
Candidate Starts for SoYo_48:
(Start: 254 @31764 has 935 MA's), (284, 31725), (289, 31713), (386, 31560), (395, 31545), (426, 31488), (449, 31431), (455, 31422), (474, 31380), (494, 31329), (514, 31278), (591, 31185), (609, 31137), (618, 31128), (626, 31113), (647, 31074), (666, 31047), (680, 31017), (727, 30924), (758, 30864), (767, 30849), (819, 30693), (847, 30606), (862, 30540), (875, 30501), (905, 30429), (920, 30390), (929, 30366), (935, 30348), (946, 30315), (956, 30288), (985, 30234), (1007, 30174), (1041, 30096), (1060, 30039), (1065, 30027), (1071, 30018),

Gene: Socotra_44 Start: 32553, Stop: 30160, Start Num: 45
Candidate Starts for Socotra_44:
(Start: 45 @32553 has 21 MA's), (59, 32547), (Start: 75 @32499 has 1 MA's), (93, 32457), (103, 32433), (152, 32307), (165, 32283), (213, 32238), (247, 32187), (260, 32172), (Start: 277 @32151 has 1 MA's), (307, 32103), (333, 32061), (367, 31986), (373, 31974), (417, 31905), (429, 31872), (434, 31857), (459, 31803), (461, 31800), (469, 31782), (476, 31761), (497, 31701), (537, 31578), (539, 31572), (569, 31503), (591, 31461), (668, 31374), (684, 31350), (706, 31344), (716, 31320), (720,

31311), (727, 31296), (733, 31284), (753, 31242), (754, 31239), (755, 31236), (807, 31089), (825, 31020), (827, 31014), (841, 30978), (862, 30885), (874, 30849), (876, 30843), (880, 30837), (883, 30831), (905, 30774), (912, 30750), (925, 30705), (1058, 30324), (1072, 30279), (1076, 30270), (1101, 30210),

Gene: Softsoap_42 Start: 29403, Stop: 31277, Start Num: 241
Candidate Starts for Softsoap_42:
(Start: 241 @29403 has 65 MA's), (Start: 299 @29472 has 1 MA's), (315, 29493), (455, 29739), (464, 29754), (474, 29781), (647, 30075), (719, 30210), (766, 30309), (804, 30432), (819, 30492), (836, 30543), (843, 30558), (845, 30573), (853, 30609), (862, 30645), (903, 30738), (936, 30831), (967, 30909), (1003, 30981), (1012, 31020), (1037, 31062), (1040, 31080), (1053, 31116), (1060, 31140), (1071, 31161),

Gene: SoilDragon_48 Start: 31301, Stop: 29487, Start Num: 254
Candidate Starts for SoilDragon_48:
(Start: 254 @31301 has 935 MA's), (284, 31262), (289, 31250), (386, 31097), (395, 31082), (426, 31025), (449, 30968), (455, 30959), (474, 30917), (494, 30866), (514, 30815), (591, 30722), (609, 30674), (618, 30665), (626, 30650), (647, 30611), (666, 30584), (680, 30554), (727, 30461), (734, 30449), (758, 30401), (767, 30386), (819, 30230), (847, 30143), (862, 30077), (875, 30038), (905, 29966), (920, 29927), (929, 29903), (935, 29885), (946, 29852), (956, 29825), (985, 29771), (1007, 29711), (1041, 29633), (1060, 29576), (1065, 29564), (1071, 29555),

Gene: SoilGremlin_39 Start: 28933, Stop: 27068, Start Num: 339
Candidate Starts for SoilGremlin_39:
(Start: 275 @29020 has 3 MA's), (Start: 339 @28933 has 121 MA's), (Start: 342 @28924 has 5 MA's), (392, 28819), (398, 28810), (418, 28780), (419, 28777), (472, 28657), (476, 28645), (478, 28639), (518, 28534), (525, 28507), (582, 28366), (587, 28360), (588, 28357), (591, 28345), (600, 28318), (601, 28315), (612, 28300), (634, 28294), (637, 28288), (657, 28255), (725, 28126), (749, 28066), (855, 27751), (858, 27742), (859, 27739), (862, 27721), (876, 27679), (880, 27673), (884, 27664), (895, 27649), (912, 27592), (970, 27433), (982, 27403), (985, 27394), (1004, 27334), (1007, 27310), (1025, 27271), (1039, 27238), (1040, 27226), (1058, 27166),

Gene: Soile_61 Start: 54557, Stop: 52698, Start Num: 215
Candidate Starts for Soile_61:
(Start: 198 @54581 has 1 MA's), (Start: 215 @54557 has 328 MA's), (Start: 245 @54533 has 14 MA's), (Start: 258 @54527 has 2 MA's), (Start: 288 @54485 has 1 MA's), (300, 54464), (360, 54350), (363, 54344), (382, 54314), (418, 54254), (425, 54233), (442, 54179), (454, 54167), (464, 54149), (469, 54137), (511, 54032), (567, 53975), (590, 53939), (594, 53927), (603, 53903), (609, 53891), (620, 53873), (630, 53855), (641, 53837), (666, 53798), (670, 53789), (671, 53786), (673, 53783), (813, 53426), (820, 53393), (827, 53372), (856, 53279), (859, 53270), (881, 53207), (904, 53171), (905, 53168), (910, 53153), (939, 53075), (944, 53063), (950, 53042), (970, 53003), (1007, 52913), (1018, 52895), (1021, 52889), (1029, 52874), (1039, 52850), (1041, 52835), (1042, 52832), (1044, 52820), (1054, 52796), (1073, 52748), (1084, 52724),

Gene: Solea_43 Start: 29387, Stop: 31261, Start Num: 241
Candidate Starts for Solea_43:
(Start: 241 @29387 has 65 MA's), (Start: 299 @29456 has 1 MA's), (315, 29477), (455, 29723), (464, 29738), (474, 29765), (647, 30059), (719, 30194), (766, 30293), (804, 30416), (819, 30476), (822, 30482), (836, 30527), (843, 30542), (845, 30557), (853, 30593), (862, 30629), (903, 30722), (936, 30815), (967, 30893), (1003, 30965), (1012, 31004), (1037, 31046), (1040, 31064), (1053, 31100), (1060, 31124), (1071, 31145),

Gene: SolidSnake_40 Start: 28936, Stop: 27071, Start Num: 339

Candidate Starts for SolidSnake_40:
(Start: 275 @29023 has 3 MA's), (Start: 339 @28936 has 121 MA's), (Start: 342 @28927 has 5 MA's), (392, 28822), (398, 28813), (418, 28783), (419, 28780), (472, 28660), (476, 28648), (478, 28642), (518, 28537), (525, 28510), (582, 28369), (587, 28363), (588, 28360), (591, 28348), (600, 28321), (601, 28318), (612, 28303), (634, 28297), (637, 28291), (657, 28258), (725, 28129), (749, 28069), (855, 27754), (858, 27745), (859, 27742), (862, 27724), (876, 27682), (880, 27676), (884, 27667), (895, 27652), (912, 27595), (970, 27436), (982, 27406), (985, 27397), (1004, 27337), (1007, 27313), (1025, 27274), (1039, 27241), (1040, 27229), (1058, 27169),

Gene: Solon_44 Start: 34769, Stop: 32940, Start Num: 254
Candidate Starts for Solon_44:
(Start: 254 @34769 has 935 MA's), (391, 34556), (400, 34541), (426, 34493), (436, 34463), (443, 34442), (449, 34436), (455, 34427), (504, 34310), (514, 34283), (591, 34190), (596, 34175), (609, 34142), (639, 34091), (641, 34088), (680, 34022), (701, 33992), (711, 33962), (734, 33917), (755, 33878), (819, 33698), (834, 33650), (850, 33602), (859, 33563), (862, 33545), (875, 33506), (899, 33485), (904, 33464), (909, 33449), (953, 33326), (1035, 33155), (1040, 33131), (1057, 33083), (1060, 33071), (1071, 33050), (1075, 33044), (1094, 32996), (1101, 32981),

Gene: Solosis_59 Start: 54029, Stop: 52170, Start Num: 215
Candidate Starts for Solosis_59:
(Start: 198 @54053 has 1 MA's), (Start: 215 @54029 has 328 MA's), (Start: 245 @54005 has 14 MA's), (Start: 258 @53999 has 2 MA's), (Start: 288 @53957 has 1 MA's), (300, 53936), (360, 53822), (363, 53816), (382, 53786), (418, 53726), (425, 53705), (442, 53651), (454, 53639), (464, 53621), (469, 53609), (511, 53504), (567, 53447), (590, 53411), (594, 53399), (605, 53372), (630, 53327), (666, 53270), (670, 53261), (671, 53258), (813, 52898), (820, 52865), (827, 52844), (856, 52751), (859, 52742), (881, 52679), (904, 52643), (905, 52640), (910, 52625), (939, 52547), (944, 52535), (950, 52514), (970, 52475), (1007, 52385), (1018, 52367), (1021, 52361), (1029, 52346), (1039, 52322), (1041, 52307), (1042, 52304), (1044, 52292), (1054, 52268), (1073, 52220), (1084, 52196),

Gene: SonOfLevi_38 Start: 28701, Stop: 26749, Start Num: 275
Candidate Starts for SonOfLevi_38:
(Start: 275 @28701 has 3 MA's), (Start: 339 @28614 has 121 MA's), (Start: 342 @28605 has 5 MA's), (392, 28500), (398, 28491), (418, 28461), (419, 28458), (472, 28338), (476, 28326), (478, 28320), (518, 28215), (525, 28188), (582, 28047), (587, 28041), (588, 28038), (591, 28026), (600, 27999), (601, 27996), (612, 27981), (634, 27975), (637, 27969), (657, 27936), (725, 27807), (749, 27747), (855, 27432), (858, 27423), (859, 27420), (862, 27402), (876, 27360), (880, 27354), (895, 27330), (912, 27273), (970, 27114), (982, 27084), (985, 27075), (1004, 27015), (1007, 26991), (1025, 26952), (1039, 26919), (1040, 26907), (1058, 26847),

Gene: Soondubu_37 Start: 30879, Stop: 32723, Start Num: 254
Candidate Starts for Soondubu_37:
(Start: 254 @30879 has 935 MA's), (419, 31125), (436, 31176), (625, 31518), (647, 31560), (657, 31575), (666, 31587), (719, 31692), (726, 31704), (732, 31713), (788, 31851), (819, 31971), (830, 32001), (862, 32124), (873, 32154), (903, 32217), (905, 32226), (1003, 32460), (1007, 32484), (1029, 32523), (1035, 32535), (1037, 32541), (1040, 32559), (1060, 32619),

Gene: Sooty_38 Start: 27604, Stop: 29586, Start Num: 253
Candidate Starts for Sooty_38:
(Start: 253 @27604 has 33 MA's), (371, 27778), (415, 27841), (427, 27874), (463, 27949), (568, 28177), (647, 28351), (732, 28507), (788, 28645), (812, 28732), (819, 28765), (830, 28795), (847, 28852), (862, 28918), (903, 29011), (1007, 29278), (1021, 29302), (1060, 29413), (1107, 29521),

Gene: Sopespian_41 Start: 32442, Stop: 30049, Start Num: 45

Candidate Starts for Sopespian_41:
(Start: 45 @32442 has 21 MA's), (59, 32436), (Start: 75 @32388 has 1 MA's), (93, 32346), (103, 32322), (152, 32196), (165, 32172), (213, 32127), (247, 32076), (260, 32061), (Start: 277 @32040 has 1 MA's), (307, 31992), (326, 31959), (333, 31950), (367, 31875), (373, 31863), (417, 31794), (427, 31767), (429, 31761), (434, 31746), (459, 31692), (461, 31689), (469, 31671), (476, 31650), (497, 31590), (537, 31467), (539, 31461), (569, 31392), (591, 31350), (668, 31263), (684, 31239), (706, 31233), (716, 31209), (720, 31200), (727, 31185), (733, 31173), (753, 31131), (754, 31128), (755, 31125), (807, 30978), (816, 30936), (825, 30909), (827, 30903), (862, 30774), (874, 30738), (876, 30732), (880, 30726), (883, 30720), (905, 30663), (912, 30639), (925, 30594), (1057, 30216), (1058, 30213), (1072, 30168), (1076, 30159), (1101, 30099),

Gene: Sophia_59 Start: 54023, Stop: 52164, Start Num: 215
Candidate Starts for Sophia_59:
(Start: 198 @54047 has 1 MA's), (Start: 215 @54023 has 328 MA's), (Start: 245 @53999 has 14 MA's), (Start: 258 @53993 has 2 MA's), (Start: 288 @53951 has 1 MA's), (300, 53930), (360, 53816), (363, 53810), (382, 53780), (418, 53720), (425, 53699), (442, 53645), (454, 53633), (464, 53615), (469, 53603), (511, 53498), (567, 53441), (590, 53405), (594, 53393), (605, 53366), (630, 53321), (666, 53264), (670, 53255), (671, 53252), (783, 52994), (813, 52892), (820, 52859), (827, 52838), (856, 52745), (859, 52736), (881, 52673), (905, 52634), (910, 52619), (939, 52541), (944, 52529), (950, 52508), (970, 52469), (1007, 52379), (1018, 52361), (1021, 52355), (1029, 52340), (1039, 52316), (1041, 52301), (1042, 52298), (1044, 52286), (1054, 52262), (1073, 52214), (1084, 52190),

Gene: SorJuana_54 Start: 36486, Stop: 34318, Start Num: 218
Candidate Starts for SorJuana_54:
(Start: 215 @36489 has 328 MA's), (Start: 218 @36486 has 14 MA's), (Start: 256 @36432 has 51 MA's), (309, 36348), (389, 36195), (394, 36186), (420, 36141), (447, 36063), (451, 36054), (460, 36039), (466, 36024), (468, 36021), (491, 35964), (523, 35871), (538, 35829), (625, 35634), (630, 35622), (634, 35616), (647, 35592), (659, 35571), (671, 35550), (679, 35535), (681, 35529), (713, 35466), (735, 35415), (763, 35328), (785, 35268), (798, 35220), (828, 35118), (830, 35112), (838, 35085), (839, 35082), (846, 35061), (856, 35019), (858, 35013), (863, 34989), (876, 34947), (877, 34944), (888, 34917), (901, 34884), (903, 34872), (916, 34836), (925, 34812), (927, 34806), (929, 34800), (947, 34746), (970, 34698), (971, 34695), (996, 34635), (1003, 34611), (1009, 34581), (1036, 34527), (1057, 34458), (1060, 34446), (1076, 34407),

Gene: Soror1_38 Start: 29069, Stop: 27204, Start Num: 339
Candidate Starts for Soror1_38:
(Start: 339 @29069 has 121 MA's), (Start: 342 @29060 has 5 MA's), (471, 28796), (476, 28781), (478, 28775), (525, 28643), (540, 28589), (544, 28577), (582, 28502), (588, 28493), (591, 28481), (600, 28454), (601, 28451), (612, 28436), (634, 28430), (639, 28418), (680, 28349), (789, 28100), (855, 27887), (858, 27878), (859, 27875), (862, 27857), (876, 27815), (912, 27728), (970, 27569), (982, 27539), (1004, 27470), (1007, 27446), (1025, 27407), (1039, 27374), (1040, 27362),

Gene: SororFago_48 Start: 33066, Stop: 31273, Start Num: 254
Candidate Starts for SororFago_48:
(Start: 254 @33066 has 935 MA's), (261, 33057), (Start: 285 @33024 has 6 MA's), (334, 32955), (386, 32862), (426, 32787), (427, 32784), (449, 32730), (455, 32721), (505, 32601), (514, 32577), (591, 32484), (606, 32439), (680, 32316), (755, 32169), (785, 32118), (819, 31989), (834, 31941), (836, 31938), (843, 31923), (862, 31836), (899, 31776), (902, 31764), (904, 31755), (910, 31737), (935, 31671), (946, 31638), (956, 31611), (1000, 31530), (1003, 31521), (1037, 31440), (1041, 31419), (1043, 31410), (1060, 31362), (1065, 31350), (1071, 31341),

Gene: Sorpresa_44 Start: 34874, Stop: 33048, Start Num: 254
Candidate Starts for Sorpresa_44:

(Start: 254 @34874 has 935 MA's), (391, 34661), (400, 34646), (436, 34568), (443, 34547), (449, 34541), (455, 34532), (504, 34415), (514, 34388), (591, 34295), (596, 34280), (609, 34247), (639, 34196), (641, 34193), (680, 34127), (701, 34097), (711, 34067), (734, 34022), (755, 33983), (819, 33803), (834, 33755), (847, 33716), (862, 33650), (904, 33569), (905, 33566), (935, 33485), (1003, 33335), (1004, 33332), (1012, 33296), (1029, 33272), (1034, 33263), (1038, 33251), (1060, 33176), (1071, 33155),

Gene: Soshari_50 Start: 31880, Stop: 30066, Start Num: 254
Candidate Starts for Soshari_50:
(Start: 254 @31880 has 935 MA's), (284, 31841), (289, 31829), (386, 31676), (395, 31661), (426, 31604), (449, 31547), (455, 31538), (474, 31496), (494, 31445), (514, 31394), (568, 31340), (591, 31301), (609, 31253), (626, 31229), (647, 31190), (666, 31163), (680, 31133), (727, 31040), (734, 31028), (758, 30980), (767, 30965), (819, 30809), (836, 30758), (846, 30725), (847, 30722), (862, 30656), (875, 30617), (905, 30545), (920, 30506), (929, 30482), (935, 30464), (946, 30431), (985, 30350), (1007, 30290), (1043, 30203), (1060, 30155), (1065, 30143), (1071, 30134), (1073, 30131),

Gene: Soto_59 Start: 53590, Stop: 51731, Start Num: 215
Candidate Starts for Soto_59:
(Start: 198 @53614 has 1 MA's), (Start: 215 @53590 has 328 MA's), (Start: 245 @53566 has 14 MA's), (Start: 258 @53560 has 2 MA's), (280, 53533), (Start: 288 @53518 has 1 MA's), (300, 53497), (360, 53383), (363, 53377), (382, 53347), (418, 53287), (425, 53266), (442, 53212), (454, 53200), (464, 53182), (469, 53170), (511, 53065), (567, 53008), (590, 52972), (594, 52960), (605, 52933), (609, 52924), (630, 52888), (666, 52831), (670, 52822), (671, 52819), (673, 52816), (813, 52459), (820, 52426), (827, 52405), (856, 52312), (859, 52303), (881, 52240), (904, 52204), (905, 52201), (910, 52186), (939, 52108), (944, 52096), (950, 52075), (970, 52036), (1007, 51946), (1018, 51928), (1021, 51922), (1029, 51907), (1039, 51883), (1041, 51868), (1042, 51865), (1044, 51853), (1054, 51829), (1073, 51781), (1084, 51757),

Gene: Soups_47 Start: 29943, Stop: 28153, Start Num: 254
Candidate Starts for Soups_47:
(Start: 254 @29943 has 935 MA's), (371, 29769), (426, 29664), (427, 29661), (436, 29634), (449, 29607), (474, 29556), (514, 29454), (591, 29361), (606, 29316), (609, 29313), (618, 29304), (708, 29142), (719, 29115), (732, 29094), (734, 29088), (788, 28989), (798, 28950), (813, 28899), (819, 28869), (836, 28818), (846, 28785), (853, 28752), (855, 28746), (862, 28716), (899, 28656), (904, 28635), (920, 28593), (930, 28566), (935, 28551), (971, 28464), (1003, 28401), (1004, 28398), (1060, 28242), (1065, 28230), (1073, 28218),

Gene: Sour_53 Start: 49160, Stop: 47364, Start Num: 258
Candidate Starts for Sour_53:
(Start: 245 @49166 has 14 MA's), (Start: 258 @49160 has 2 MA's), (280, 49133), (287, 49121), (Start: 288 @49118 has 1 MA's), (305, 49088), (382, 48962), (437, 48842), (463, 48803), (469, 48788), (503, 48713), (511, 48695), (590, 48602), (609, 48554), (658, 48473), (671, 48449), (681, 48425), (706, 48383), (747, 48302), (751, 48284), (800, 48137), (820, 48062), (854, 47957), (856, 47951), (859, 47942), (881, 47879), (905, 47840), (906, 47837), (910, 47825), (939, 47747), (944, 47735), (950, 47714), (953, 47705), (974, 47666), (996, 47630), (1000, 47618), (1007, 47585), (1008, 47582), (1039, 47522), (1041, 47507), (1054, 47462), (1073, 47414), (1084, 47390),

Gene: Spartan300_60 Start: 54251, Stop: 52392, Start Num: 215
Candidate Starts for Spartan300_60:
(Start: 198 @54275 has 1 MA's), (Start: 215 @54251 has 328 MA's), (Start: 245 @54227 has 14 MA's), (Start: 258 @54221 has 2 MA's), (Start: 288 @54179 has 1 MA's), (300, 54158), (360, 54044), (363, 54038), (382, 54008), (418, 53948), (425, 53927), (442, 53873), (454, 53861), (464, 53843), (469, 53831), (511, 53726), (567, 53669), (590, 53633), (594, 53621), (603, 53597), (609, 53585),

(620, 53567), (630, 53549), (641, 53531), (666, 53492), (670, 53483), (671, 53480), (673, 53477), (813, 53120), (820, 53087), (827, 53066), (856, 52973), (859, 52964), (881, 52901), (904, 52865), (905, 52862), (910, 52847), (939, 52769), (944, 52757), (950, 52736), (970, 52697), (1007, 52607), (1018, 52589), (1021, 52583), (1029, 52568), (1039, 52544), (1041, 52529), (1042, 52526), (1044, 52514), (1054, 52490), (1073, 52442), (1084, 52418),

Gene: Sparxx_46 Start: 31565, Stop: 29739, Start Num: 254
Candidate Starts for Sparxx_46:
(Start: 254 @31565 has 935 MA's), (271, 31544), (289, 31514), (305, 31484), (413, 31322), (421, 31304), (449, 31232), (455, 31223), (505, 31103), (514, 31079), (591, 30986), (611, 30938), (626, 30917), (647, 30878), (732, 30725), (755, 30680), (759, 30668), (815, 30515), (819, 30494), (855, 30371), (862, 30341), (875, 30302), (904, 30236), (905, 30233), (910, 30218), (920, 30194), (929, 30170), (1007, 29963), (1060, 29828), (1065, 29816), (1071, 29807),

Gene: SpecialK_38 Start: 27587, Stop: 29569, Start Num: 253
Candidate Starts for SpecialK_38:
(Start: 253 @27587 has 33 MA's), (371, 27761), (386, 27791), (415, 27824), (427, 27857), (463, 27932), (473, 27959), (568, 28160), (647, 28334), (732, 28490), (788, 28628), (812, 28715), (819, 28748), (830, 28778), (847, 28835), (862, 28901), (903, 28994), (1007, 29261), (1021, 29285), (1060, 29396), (1107, 29504),

Gene: Spike509_48 Start: 31881, Stop: 30067, Start Num: 254
Candidate Starts for Spike509_48:
(Start: 254 @31881 has 935 MA's), (284, 31842), (289, 31830), (386, 31677), (395, 31662), (426, 31605), (449, 31548), (455, 31539), (474, 31497), (494, 31446), (514, 31395), (568, 31341), (591, 31302), (609, 31254), (626, 31230), (647, 31191), (666, 31164), (680, 31134), (727, 31041), (734, 31029), (758, 30981), (767, 30966), (819, 30810), (836, 30759), (846, 30726), (847, 30723), (862, 30657), (875, 30618), (905, 30546), (920, 30507), (929, 30483), (935, 30465), (946, 30432), (985, 30351), (1007, 30291), (1043, 30204), (1060, 30156), (1065, 30144), (1071, 30135), (1073, 30132),

Gene: SpikeBT_45 Start: 35111, Stop: 33285, Start Num: 254
Candidate Starts for SpikeBT_45:
(Start: 254 @35111 has 935 MA's), (391, 34898), (426, 34835), (436, 34805), (443, 34784), (449, 34778), (455, 34769), (504, 34652), (514, 34625), (591, 34532), (596, 34517), (609, 34484), (639, 34433), (641, 34430), (675, 34376), (680, 34364), (701, 34334), (711, 34304), (734, 34259), (755, 34220), (819, 34040), (830, 34010), (834, 33992), (836, 33989), (847, 33953), (862, 33887), (904, 33806), (905, 33803), (935, 33722), (1003, 33572), (1004, 33569), (1012, 33533), (1029, 33509), (1034, 33500), (1038, 33488), (1060, 33413), (1071, 33392),

Gene: Spino_44 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Spino_44:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Spooks_19 Start: 12624, Stop: 10834, Start Num: 254
Candidate Starts for Spooks_19:
(Start: 254 @12624 has 935 MA's), (386, 12423), (391, 12414), (413, 12384), (436, 12321), (449, 12294), (463, 12273), (514, 12141), (587, 12063), (591, 12048), (732, 11778), (734, 11772), (755, 11733), (761, 11718), (801, 11631), (810, 11604), (819, 11562), (840, 11499), (852, 11448), (853, 11442), (862, 11406), (899, 11346), (902, 11334), (904, 11325), (921, 11280), (1000, 11100), (1035,

11016), (1053, 10956), (1060, 10932), (1091, 10863),

Gene: Spouty_45 Start: 31549, Stop: 29756, Start Num: 254
Candidate Starts for Spouty_45:
(Start: 254 @31549 has 935 MA's), (261, 31540), (289, 31498), (369, 31378), (371, 31375), (396, 31327), (427, 31267), (437, 31237), (441, 31225), (449, 31213), (514, 31060), (591, 30967), (666, 30829), (680, 30799), (759, 30640), (767, 30628), (785, 30601), (815, 30493), (819, 30472), (859, 30337), (862, 30319), (904, 30238), (920, 30196), (946, 30121), (983, 30046), (1003, 30004), (1041, 29902), (1060, 29845), (1065, 29833), (1071, 29824),

Gene: Squee_44 Start: 34851, Stop: 33025, Start Num: 254
Candidate Starts for Squee_44:
(Start: 254 @34851 has 935 MA's), (391, 34638), (400, 34623), (426, 34575), (436, 34545), (443, 34524), (449, 34518), (455, 34509), (504, 34392), (514, 34365), (591, 34272), (596, 34257), (639, 34173), (641, 34170), (680, 34104), (701, 34074), (711, 34044), (734, 33999), (755, 33960), (819, 33780), (830, 33750), (834, 33732), (836, 33729), (847, 33693), (862, 33627), (904, 33546), (905, 33543), (935, 33462), (1003, 33312), (1004, 33309), (1012, 33273), (1029, 33249), (1034, 33240), (1038, 33228), (1060, 33153), (1071, 33132),

Gene: Squid_60 Start: 54035, Stop: 52176, Start Num: 215
Candidate Starts for Squid_60:
(Start: 198 @54059 has 1 MA's), (Start: 215 @54035 has 328 MA's), (Start: 245 @54011 has 14 MA's), (Start: 258 @54005 has 2 MA's), (Start: 288 @53963 has 1 MA's), (300, 53942), (360, 53828), (363, 53822), (382, 53792), (418, 53732), (425, 53711), (442, 53657), (454, 53645), (464, 53627), (469, 53615), (511, 53510), (567, 53453), (590, 53417), (594, 53405), (605, 53378), (620, 53351), (630, 53333), (641, 53315), (666, 53276), (670, 53267), (671, 53264), (783, 53006), (813, 52904), (820, 52871), (827, 52850), (856, 52757), (859, 52748), (881, 52685), (904, 52649), (905, 52646), (910, 52631), (939, 52553), (944, 52541), (950, 52520), (970, 52481), (1007, 52391), (1018, 52373), (1021, 52367), (1029, 52352), (1039, 52328), (1041, 52313), (1042, 52310), (1044, 52298), (1054, 52274), (1073, 52226), (1084, 52202),

Gene: Squiggle_61 Start: 54043, Stop: 52184, Start Num: 215
Candidate Starts for Squiggle_61:
(Start: 198 @54067 has 1 MA's), (Start: 215 @54043 has 328 MA's), (Start: 245 @54019 has 14 MA's), (Start: 258 @54013 has 2 MA's), (Start: 288 @53971 has 1 MA's), (300, 53950), (360, 53836), (363, 53830), (382, 53800), (418, 53740), (425, 53719), (442, 53665), (454, 53653), (464, 53635), (469, 53623), (511, 53518), (567, 53461), (590, 53425), (594, 53413), (605, 53386), (630, 53341), (666, 53284), (670, 53275), (671, 53272), (813, 52912), (820, 52879), (827, 52858), (856, 52765), (859, 52756), (881, 52693), (904, 52657), (905, 52654), (910, 52639), (939, 52561), (944, 52549), (950, 52528), (970, 52489), (1004, 52420), (1007, 52399), (1018, 52381), (1021, 52375), (1029, 52360), (1039, 52336), (1041, 52321), (1042, 52318), (1044, 52306), (1054, 52282), (1073, 52234), (1084, 52210),

Gene: Squircle_39 Start: 28105, Stop: 29988, Start Num: 243
Candidate Starts for Squircle_39:
(Start: 243 @28105 has 3 MA's), (271, 28126), (Start: 299 @28174 has 1 MA's), (315, 28195), (386, 28312), (426, 28375), (436, 28405), (443, 28426), (455, 28441), (463, 28453), (501, 28534), (506, 28549), (602, 28705), (620, 28735), (647, 28786), (659, 28807), (668, 28816), (717, 28915), (819, 29203), (822, 29209), (843, 29269), (847, 29290), (853, 29320), (856, 29329), (862, 29356), (903, 29449), (910, 29473), (935, 29539), (936, 29542), (967, 29620), (970, 29626), (996, 29671), (1021, 29740), (1037, 29773), (1039, 29779), (1040, 29791), (1041, 29794), (1060, 29851), (1067, 29866), (1071, 29872), (1106, 29953),

Gene: StAugustine_85 Start: 66670, Stop: 64871, Start Num: 254
Candidate Starts for StAugustine_85:
(Start: 254 @66670 has 935 MA's), (280, 66637), (Start: 288 @66622 has 1 MA's), (295, 66610), (312, 66583), (338, 66565), (349, 66538), (405, 66445), (418, 66427), (424, 66409), (442, 66352), (474, 66301), (567, 66160), (588, 66133), (590, 66124), (648, 66010), (671, 65971), (684, 65941), (697, 65923), (747, 65809), (783, 65704), (788, 65689), (813, 65602), (820, 65569), (823, 65563), (854, 65461), (856, 65455), (859, 65446), (904, 65347), (905, 65344), (910, 65329), (917, 65314), (939, 65251), (944, 65239), (950, 65218), (1000, 65122), (1007, 65089), (1039, 65026), (1044, 64996), (1048, 64990), (1050, 64984), (1054, 64972), (1072, 64924), (1084, 64897), (1089, 64882), (1091, 64876),

Gene: StCroix_36 Start: 28126, Stop: 26342, Start Num: 254
Candidate Starts for StCroix_36:
(Start: 254 @28126 has 935 MA's), (407, 27892), (422, 27862), (425, 27853), (426, 27850), (441, 27805), (449, 27793), (474, 27742), (514, 27640), (548, 27619), (591, 27547), (606, 27502), (609, 27499), (636, 27457), (638, 27451), (647, 27436), (666, 27409), (719, 27304), (725, 27295), (734, 27277), (735, 27274), (755, 27238), (819, 27058), (834, 27010), (862, 26905), (863, 26902), (899, 26845), (904, 26824), (948, 26701), (985, 26626), (1003, 26590), (1007, 26566), (1041, 26488), (1060, 26431), (1065, 26419), (1085, 26380), (1091, 26362),

Gene: Stagni_48 Start: 31855, Stop: 30041, Start Num: 254
Candidate Starts for Stagni_48:
(Start: 254 @31855 has 935 MA's), (284, 31816), (289, 31804), (386, 31651), (395, 31636), (426, 31579), (449, 31522), (455, 31513), (474, 31471), (494, 31420), (514, 31369), (591, 31276), (609, 31228), (618, 31219), (626, 31204), (647, 31165), (666, 31138), (680, 31108), (727, 31015), (758, 30955), (767, 30940), (819, 30784), (847, 30697), (862, 30631), (875, 30592), (905, 30520), (920, 30481), (929, 30457), (935, 30439), (946, 30406), (956, 30379), (985, 30325), (1007, 30265), (1041, 30187), (1060, 30130), (1065, 30118), (1071, 30109),

Gene: Stanktossa_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for Stanktossa_39:
(Start: 275 @29017 has 3 MA's), (Start: 277 @29014 has 1 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (749, 28063), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (884, 27661), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: StarStuff_47 Start: 31156, Stop: 29333, Start Num: 254
Candidate Starts for StarStuff_47:
(Start: 254 @31156 has 935 MA's), (386, 30952), (400, 30928), (413, 30910), (421, 30892), (426, 30877), (427, 30874), (436, 30847), (449, 30820), (474, 30769), (514, 30667), (591, 30574), (609, 30526), (618, 30517), (625, 30505), (666, 30436), (701, 30376), (755, 30262), (767, 30238), (786, 30199), (819, 30073), (836, 30022), (847, 29986), (862, 29920), (875, 29881), (905, 29812), (920, 29773), (936, 29728), (946, 29698), (975, 29635), (983, 29623), (985, 29617), (1007, 29557), (1060, 29422), (1065, 29410), (1071, 29401),

Gene: Starburst_43 Start: 32435, Stop: 30042, Start Num: 45
Candidate Starts for Starburst_43:
(Start: 45 @32435 has 21 MA's), (59, 32429), (Start: 75 @32381 has 1 MA's), (93, 32339), (103, 32315), (152, 32189), (165, 32165), (213, 32120), (247, 32069), (260, 32054), (Start: 277 @32033 has 1 MA's), (307, 31985), (333, 31943), (367, 31868), (373, 31856), (417, 31787), (427, 31760), (429,

31754), (434, 31739), (459, 31685), (461, 31682), (469, 31664), (476, 31643), (497, 31583), (537, 31460), (539, 31454), (569, 31385), (591, 31343), (668, 31256), (684, 31232), (706, 31226), (716, 31202), (720, 31193), (727, 31178), (733, 31166), (753, 31124), (754, 31121), (755, 31118), (807, 30971), (825, 30902), (827, 30896), (841, 30860), (853, 30803), (862, 30767), (874, 30731), (876, 30725), (880, 30719), (883, 30713), (905, 30656), (912, 30632), (925, 30587), (1057, 30209), (1058, 30206), (1072, 30161), (1076, 30152), (1101, 30092),

Gene: Stasia_44 Start: 31442, Stop: 29613, Start Num: 254
Candidate Starts for Stasia_44:
(186, 31535), (196, 31520), (199, 31517), (Start: 208 @31502 has 32 MA's), (Start: 254 @31442 has 935 MA's), (289, 31391), (305, 31361), (413, 31199), (421, 31181), (426, 31166), (449, 31109), (455, 31100), (505, 30980), (514, 30956), (591, 30863), (611, 30815), (626, 30794), (647, 30755), (719, 30623), (725, 30614), (732, 30602), (755, 30557), (815, 30392), (819, 30371), (855, 30248), (862, 30218), (875, 30179), (904, 30110), (905, 30107), (910, 30092), (920, 30068), (929, 30044), (931, 30038), (936, 30023), (1007, 29837), (1060, 29702), (1065, 29690), (1071, 29681),

Gene: SteMason_44 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for SteMason_44:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: SteamedHams_43 Start: 32003, Stop: 29616, Start Num: 57
Candidate Starts for SteamedHams_43:
(31, 32075), (33, 32060), (Start: 57 @32003 has 26 MA's), (61, 31994), (63, 31988), (93, 31907), (139, 31787), (165, 31736), (Start: 277 @31604 has 1 MA's), (294, 31577), (303, 31562), (333, 31514), (346, 31484), (367, 31439), (417, 31361), (434, 31313), (459, 31259), (461, 31256), (469, 31238), (476, 31217), (494, 31166), (497, 31157), (498, 31154), (525, 31079), (537, 31034), (562, 30974), (569, 30959), (611, 30875), (668, 30830), (684, 30806), (706, 30800), (716, 30776), (753, 30698), (754, 30695), (755, 30692), (807, 30545), (825, 30476), (853, 30377), (862, 30341), (874, 30305), (876, 30299), (880, 30293), (883, 30287), (897, 30263), (905, 30230), (912, 30206), (925, 30161), (945, 30101), (1004, 29948), (1012, 29909), (1013, 29906), (1058, 29780), (1072, 29735), (1076, 29726),

Gene: Steamy_41 Start: 30942, Stop: 29098, Start Num: 254
Candidate Starts for Steamy_41:
(120, 31173), (148, 31104), (Start: 254 @30942 has 935 MA's), (271, 30921), (Start: 282 @30906 has 7 MA's), (Start: 288 @30894 has 1 MA's), (371, 30768), (391, 30729), (419, 30684), (427, 30660), (436, 30633), (449, 30606), (463, 30585), (514, 30453), (591, 30360), (609, 30312), (618, 30303), (626, 30288), (666, 30222), (786, 29982), (803, 29919), (819, 29856), (836, 29805), (847, 29769), (855, 29733), (862, 29703), (875, 29664), (899, 29643), (904, 29622), (946, 29505), (970, 29454), (975, 29442), (1003, 29388), (1004, 29385), (1007, 29364), (1037, 29307), (1041, 29286), (1051, 29259), (1060, 29229), (1065, 29217), (1091, 29160),

Gene: StepMih_48 Start: 31846, Stop: 30032, Start Num: 254
Candidate Starts for StepMih_48:
(Start: 254 @31846 has 935 MA's), (284, 31807), (289, 31795), (386, 31642), (395, 31627), (426, 31570), (449, 31513), (455, 31504), (474, 31462), (494, 31411), (514, 31360), (591, 31267), (609, 31219), (618, 31210), (626, 31195), (647, 31156), (666, 31129), (680, 31099), (727, 31006), (758, 30946), (767, 30931), (819, 30775), (847, 30688), (862, 30622), (875, 30583), (905, 30511), (920, 30472), (929, 30448), (935, 30430), (946, 30397), (956, 30370), (985, 30316), (1007, 30256), (1041, 30178), (1060, 30121), (1065, 30109), (1071, 30100),

Gene: Stephig9_43 Start: 30581, Stop: 28737, Start Num: 254
Candidate Starts for Stephig9_43:
(140, 30764), (Start: 149 @30746 has 1 MA's), (Start: 254 @30581 has 935 MA's), (289, 30530), (371, 30407), (386, 30377), (413, 30338), (426, 30305), (436, 30275), (443, 30254), (449, 30248), (455, 30239), (474, 30197), (494, 30146), (513, 30098), (514, 30095), (591, 29999), (600, 29972), (609, 29951), (618, 29942), (647, 29888), (666, 29861), (690, 29813), (708, 29783), (719, 29756), (734, 29729), (759, 29678), (768, 29663), (815, 29516), (819, 29495), (830, 29465), (834, 29447), (836, 29444), (843, 29429), (847, 29408), (850, 29399), (855, 29372), (859, 29360), (862, 29342), (904, 29261), (929, 29195), (941, 29159), (953, 29123), (971, 29090), (983, 29069), (985, 29063), (1004, 29024), (1007, 29003), (1018, 28985), (1060, 28868), (1065, 28856),

Gene: Stewart25555_90 Start: 75056, Stop: 76849, Start Num: 265
Candidate Starts for Stewart25555_90:
(Start: 265 @75056 has 10 MA's), (289, 75092), (418, 75287), (427, 75314), (454, 75368), (467, 75395), (470, 75401), (632, 75653), (647, 75680), (651, 75686), (657, 75695), (659, 75701), (686, 75749), (755, 75881), (795, 75977), (803, 76010), (815, 76049), (819, 76070), (822, 76076), (852, 76187), (853, 76193), (875, 76280), (903, 76343), (906, 76355), (920, 76391), (931, 76421), (932, 76424), (950, 76478), (958, 76496), (996, 76580), (1003, 76601), (1008, 76628), (1021, 76649), (1035, 76676), (1037, 76682), (1040, 76700), (1060, 76760), (1075, 76787), (1085, 76811),

Gene: StewieG_44 Start: 32301, Stop: 30472, Start Num: 254
Candidate Starts for StewieG_44:
(Start: 254 @32301 has 935 MA's), (391, 32088), (400, 32073), (426, 32025), (436, 31995), (443, 31974), (449, 31968), (455, 31959), (504, 31842), (514, 31815), (591, 31722), (596, 31707), (609, 31674), (639, 31623), (641, 31620), (680, 31554), (701, 31524), (711, 31494), (734, 31449), (755, 31410), (819, 31230), (834, 31182), (850, 31134), (859, 31095), (862, 31077), (875, 31038), (899, 31017), (904, 30996), (909, 30981), (953, 30858), (1035, 30687), (1040, 30663), (1057, 30615), (1060, 30603), (1071, 30582), (1075, 30576), (1094, 30528), (1101, 30513),

Gene: StingRay_38 Start: 28635, Stop: 26770, Start Num: 339
Candidate Starts for StingRay_38:
(Start: 275 @28722 has 3 MA's), (Start: 277 @28719 has 1 MA's), (Start: 339 @28635 has 121 MA's), (Start: 342 @28626 has 5 MA's), (392, 28521), (398, 28512), (418, 28482), (419, 28479), (472, 28359), (476, 28347), (478, 28341), (518, 28236), (525, 28209), (582, 28068), (587, 28062), (588, 28059), (591, 28047), (600, 28020), (601, 28017), (612, 28002), (634, 27996), (637, 27990), (657, 27957), (725, 27828), (749, 27768), (855, 27453), (858, 27444), (859, 27441), (862, 27423), (876, 27381), (880, 27375), (884, 27366), (895, 27351), (912, 27294), (970, 27135), (982, 27105), (985, 27096), (1004, 27036), (1007, 27012), (1025, 26973), (1039, 26940), (1040, 26928), (1058, 26868),

Gene: Stinger_54 Start: 52910, Stop: 51081, Start Num: 204
Candidate Starts for Stinger_54:
(Start: 204 @52910 has 1 MA's), (Start: 258 @52880 has 2 MA's), (280, 52853), (Start: 288 @52838 has 1 MA's), (300, 52817), (353, 52730), (360, 52712), (415, 52625), (425, 52598), (430, 52583), (464, 52517), (469, 52505), (477, 52487), (481, 52478), (487, 52475), (489, 52472), (496, 52445), (567, 52352), (582, 52334), (590, 52316), (594, 52304), (605, 52277), (670, 52166), (671, 52163), (684, 52133), (693, 52118), (706, 52097), (744, 52019), (797, 51869), (806, 51833), (814, 51803), (820, 51776), (854, 51668), (856, 51662), (859, 51653), (902, 51563), (904, 51554), (905, 51551), (910, 51536), (939, 51458), (944, 51446), (950, 51425), (953, 51416), (970, 51386), (1000, 51329), (1007, 51296), (1018, 51278), (1021, 51272), (1035, 51245), (1039, 51233), (1041, 51218), (1042, 51215), (1044, 51203), (1054, 51179), (1070, 51137), (1073, 51131), (1084, 51107),

Gene: Stink_45 Start: 31990, Stop: 30161, Start Num: 254

Candidate Starts for Stink_45:
(Start: 254 @31990 has 935 MA's), (289, 31939), (305, 31909), (413, 31747), (421, 31729), (449, 31657), (455, 31648), (505, 31528), (514, 31504), (591, 31411), (611, 31363), (626, 31342), (647, 31303), (675, 31258), (678, 31252), (719, 31171), (725, 31162), (732, 31150), (755, 31105), (759, 31093), (819, 30919), (850, 30823), (855, 30796), (856, 30793), (862, 30766), (875, 30727), (904, 30658), (905, 30655), (910, 30640), (920, 30616), (929, 30592), (931, 30586), (1007, 30385), (1060, 30250), (1065, 30238), (1071, 30229),

Gene: StinkyVeggy_58 Start: 54598, Stop: 52751, Start Num: 199
Candidate Starts for StinkyVeggy_58:
(22, 55093), (23, 55087), (31, 55036), (35, 55018), (46, 54961), (97, 54817), (155, 54664), (199, 54598), (257, 54550), (280, 54523), (313, 54472), (338, 54451), (360, 54397), (390, 54352), (419, 54301), (464, 54202), (487, 54160), (498, 54124), (511, 54094), (590, 54001), (594, 53989), (603, 53965), (609, 53953), (620, 53935), (658, 53872), (671, 53848), (725, 53743), (774, 53620), (797, 53554), (800, 53536), (814, 53488), (820, 53461), (854, 53353), (856, 53347), (859, 53338), (863, 53317), (893, 53254), (905, 53221), (910, 53206), (933, 53146), (939, 53128), (944, 53116), (950, 53095), (953, 53086), (955, 53083), (962, 53071), (1007, 52966), (1018, 52948), (1021, 52942), (1039, 52903), (1041, 52888), (1042, 52885), (1050, 52861), (1054, 52849), (1055, 52846), (1075, 52798), (1084, 52777),

Gene: StirfryIV_38 Start: 28628, Stop: 26763, Start Num: 339
Candidate Starts for StirfryIV_38:
(Start: 275 @28715 has 3 MA's), (Start: 277 @28712 has 1 MA's), (Start: 339 @28628 has 121 MA's), (Start: 342 @28619 has 5 MA's), (392, 28514), (398, 28505), (418, 28475), (419, 28472), (472, 28352), (476, 28340), (478, 28334), (518, 28229), (525, 28202), (582, 28061), (587, 28055), (588, 28052), (591, 28040), (600, 28013), (601, 28010), (612, 27995), (634, 27989), (637, 27983), (657, 27950), (725, 27821), (749, 27761), (855, 27446), (858, 27437), (859, 27434), (862, 27416), (876, 27374), (880, 27368), (884, 27359), (895, 27344), (912, 27287), (970, 27128), (982, 27098), (985, 27089), (1004, 27029), (1007, 27005), (1025, 26966), (1039, 26933), (1040, 26921), (1058, 26861),

Gene: Stoor_43 Start: 30807, Stop: 32681, Start Num: 241
Candidate Starts for Stoor_43:
(Start: 241 @30807 has 65 MA's), (Start: 299 @30876 has 1 MA's), (315, 30897), (455, 31143), (464, 31158), (474, 31185), (593, 31371), (602, 31398), (609, 31413), (647, 31479), (766, 31713), (803, 31833), (804, 31836), (819, 31896), (822, 31902), (836, 31947), (843, 31962), (845, 31977), (853, 32013), (862, 32049), (903, 32142), (936, 32235), (967, 32313), (969, 32316), (1003, 32385), (1007, 32409), (1012, 32424), (1037, 32466), (1040, 32484), (1060, 32544), (1071, 32565),

Gene: Stormbreaker8_38 Start: 29054, Stop: 27189, Start Num: 339
Candidate Starts for Stormbreaker8_38:
(Start: 339 @29054 has 121 MA's), (Start: 342 @29045 has 5 MA's), (471, 28781), (476, 28766), (478, 28760), (525, 28628), (540, 28574), (544, 28562), (582, 28487), (588, 28478), (591, 28466), (600, 28439), (601, 28436), (612, 28421), (634, 28415), (639, 28403), (680, 28334), (789, 28085), (855, 27872), (858, 27863), (859, 27860), (862, 27842), (876, 27800), (912, 27713), (970, 27554), (982, 27524), (1004, 27455), (1007, 27431), (1025, 27392), (1039, 27359), (1040, 27347),

Gene: Strathdee_39 Start: 28935, Stop: 27070, Start Num: 339
Candidate Starts for Strathdee_39:
(Start: 275 @29022 has 3 MA's), (Start: 277 @29019 has 1 MA's), (Start: 339 @28935 has 121 MA's), (Start: 342 @28926 has 5 MA's), (392, 28821), (398, 28812), (418, 28782), (419, 28779), (472, 28659), (476, 28647), (478, 28641), (518, 28536), (525, 28509), (582, 28368), (587, 28362), (588, 28359), (591, 28347), (600, 28320), (601, 28317), (612, 28302), (634, 28296), (637, 28290), (657, 28257), (725, 28128), (749, 28068), (780, 27993), (855, 27753), (858, 27744), (859, 27741), (862, 27723),

(876, 27681), (880, 27675), (884, 27666), (895, 27651), (912, 27594), (970, 27435), (982, 27405), (985, 27396), (1004, 27336), (1007, 27312), (1025, 27273), (1039, 27240), (1040, 27228), (1058, 27168),

Gene: Stromboli_43 Start: 30669, Stop: 32543, Start Num: 241
Candidate Starts for Stromboli_43:
(Start: 241 @30669 has 65 MA's), (Start: 299 @30738 has 1 MA's), (315, 30759), (455, 31005), (464, 31020), (474, 31047), (602, 31260), (609, 31275), (647, 31341), (766, 31575), (803, 31695), (804, 31698), (819, 31758), (822, 31764), (836, 31809), (843, 31824), (845, 31839), (853, 31875), (862, 31911), (903, 32004), (936, 32097), (967, 32175), (969, 32178), (1003, 32247), (1007, 32271), (1012, 32286), (1037, 32328), (1040, 32346), (1060, 32406), (1071, 32427),

Gene: StrongArm_44 Start: 35747, Stop: 33960, Start Num: 254
Candidate Starts for StrongArm_44:
(Start: 254 @35747 has 935 MA's), (391, 35534), (426, 35471), (436, 35441), (443, 35420), (449, 35414), (455, 35405), (504, 35288), (514, 35261), (591, 35168), (596, 35153), (609, 35120), (639, 35069), (641, 35066), (680, 35000), (701, 34970), (711, 34940), (734, 34895), (755, 34856), (819, 34676), (834, 34628), (847, 34589), (862, 34523), (902, 34451), (904, 34442), (935, 34358), (971, 34271), (1029, 34145), (1035, 34133), (1053, 34073), (1060, 34049), (1063, 34043),

Gene: Strosahl_47 Start: 29659, Stop: 27869, Start Num: 254
Candidate Starts for Strosahl_47:
(Start: 254 @29659 has 935 MA's), (371, 29485), (426, 29380), (427, 29377), (436, 29350), (449, 29323), (474, 29272), (514, 29170), (591, 29077), (606, 29032), (609, 29029), (618, 29020), (708, 28858), (719, 28831), (732, 28810), (734, 28804), (788, 28705), (798, 28666), (813, 28615), (819, 28585), (836, 28534), (846, 28501), (855, 28462), (862, 28432), (899, 28372), (904, 28351), (920, 28309), (930, 28282), (971, 28180), (1003, 28117), (1004, 28114), (1060, 27958), (1065, 27946), (1073, 27934),

Gene: Struggle_61 Start: 54120, Stop: 52261, Start Num: 215
Candidate Starts for Struggle_61:
(Start: 198 @54144 has 1 MA's), (Start: 215 @54120 has 328 MA's), (Start: 245 @54096 has 14 MA's), (Start: 258 @54090 has 2 MA's), (Start: 288 @54048 has 1 MA's), (300, 54027), (360, 53913), (363, 53907), (382, 53877), (418, 53817), (425, 53796), (442, 53742), (454, 53730), (464, 53712), (469, 53700), (511, 53595), (567, 53538), (590, 53502), (594, 53490), (603, 53466), (609, 53454), (620, 53436), (630, 53418), (641, 53400), (666, 53361), (670, 53352), (671, 53349), (673, 53346), (813, 52989), (820, 52956), (827, 52935), (856, 52842), (859, 52833), (881, 52770), (904, 52734), (905, 52731), (910, 52716), (939, 52638), (944, 52626), (950, 52605), (970, 52566), (1007, 52476), (1018, 52458), (1021, 52452), (1029, 52437), (1039, 52413), (1041, 52398), (1042, 52395), (1044, 52383), (1054, 52359), (1060, 52338), (1073, 52311), (1084, 52287), (1089, 52272),

Gene: Studio_42 Start: 30023, Stop: 28233, Start Num: 236
Candidate Starts for Studio_42:
(194, 30083), (Start: 229 @30038 has 1 MA's), (Start: 236 @30023 has 5 MA's), (Start: 245 @30014 has 14 MA's), (Start: 282 @29969 has 7 MA's), (328, 29891), (356, 29843), (437, 29705), (467, 29651), (506, 29570), (509, 29564), (517, 29540), (591, 29471), (632, 29390), (647, 29363), (657, 29348), (692, 29285), (721, 29228), (736, 29198), (755, 29162), (759, 29150), (774, 29126), (800, 29063), (815, 29012), (822, 28985), (847, 28904), (851, 28889), (856, 28865), (862, 28838), (875, 28799), (906, 28724), (932, 28655), (946, 28613), (948, 28607), (956, 28586), (979, 28532), (984, 28517), (999, 28490), (1008, 28451), (1037, 28394), (1041, 28373), (1042, 28370), (1044, 28358), (1045, 28352), (1054, 28337),

Gene: Stuu_38 Start: 27699, Stop: 29681, Start Num: 253

Candidate Starts for Stuu_38:
(Start: 253 @27699 has 33 MA's), (371, 27873), (386, 27903), (415, 27936), (427, 27969), (463, 28044), (473, 28071), (513, 28173), (568, 28272), (647, 28446), (666, 28473), (732, 28602), (788, 28740), (812, 28827), (819, 28860), (830, 28890), (847, 28947), (862, 29013), (903, 29106), (1007, 29373), (1021, 29397), (1060, 29508), (1107, 29616),

Gene: SuMoo_50 Start: 32117, Stop: 33982, Start Num: 253
Candidate Starts for SuMoo_50:
(Start: 253 @32117 has 33 MA's), (479, 32504), (606, 32750), (647, 32819), (732, 32972), (762, 33035), (798, 33149), (819, 33230), (841, 33293), (853, 33347), (863, 33386), (936, 33569), (970, 33653), (1039, 33806), (1060, 33878), (1076, 33908),

Gene: Subaru_40 Start: 30351, Stop: 32216, Start Num: 254
Candidate Starts for Subaru_40:
(Start: 254 @30351 has 935 MA's), (Start: 288 @30399 has 1 MA's), (411, 30582), (415, 30588), (436, 30648), (443, 30669), (479, 30738), (596, 30954), (641, 31044), (647, 31053), (657, 31068), (681, 31113), (732, 31206), (788, 31344), (819, 31464), (830, 31494), (847, 31551), (860, 31608), (862, 31617), (872, 31641), (903, 31710), (929, 31782), (932, 31791), (971, 31890), (1003, 31953), (1060, 32112), (1064, 32121),

Gene: Success_19 Start: 11835, Stop: 10045, Start Num: 254
Candidate Starts for Success_19:
(Start: 254 @11835 has 935 MA's), (386, 11634), (391, 11625), (436, 11532), (449, 11505), (463, 11484), (474, 11454), (482, 11439), (514, 11352), (587, 11274), (591, 11259), (647, 11142), (732, 10989), (755, 10944), (761, 10929), (819, 10773), (840, 10710), (843, 10704), (852, 10659), (853, 10653), (862, 10617), (904, 10536), (921, 10491), (1035, 10227), (1053, 10167), (1060, 10143), (1091, 10074), (1093, 10071),

Gene: Sue2_42 Start: 30222, Stop: 32132, Start Num: 254
Candidate Starts for Sue2_42:
(151, 30078), (181, 30132), (Start: 254 @30222 has 935 MA's), (Start: 288 @30270 has 1 MA's), (411, 30453), (415, 30459), (436, 30519), (479, 30609), (593, 30861), (596, 30870), (641, 30960), (647, 30969), (666, 30996), (681, 31029), (732, 31122), (759, 31179), (788, 31260), (819, 31380), (830, 31410), (843, 31446), (847, 31467), (855, 31503), (862, 31533), (903, 31626), (971, 31806), (983, 31827), (1007, 31893), (1060, 32028),

Gene: Suffolk_59 Start: 53538, Stop: 51679, Start Num: 215
Candidate Starts for Suffolk_59:
(Start: 198 @53562 has 1 MA's), (Start: 215 @53538 has 328 MA's), (Start: 245 @53514 has 14 MA's), (Start: 258 @53508 has 2 MA's), (Start: 288 @53466 has 1 MA's), (300, 53445), (360, 53331), (363, 53325), (382, 53295), (418, 53235), (425, 53214), (442, 53160), (454, 53148), (464, 53130), (469, 53118), (511, 53013), (567, 52956), (590, 52920), (594, 52908), (603, 52884), (609, 52872), (620, 52854), (630, 52836), (641, 52818), (666, 52779), (670, 52770), (671, 52767), (673, 52764), (813, 52407), (820, 52374), (827, 52353), (856, 52260), (859, 52251), (881, 52188), (904, 52152), (905, 52149), (910, 52134), (939, 52056), (944, 52044), (950, 52023), (970, 51984), (1007, 51894), (1018, 51876), (1021, 51870), (1029, 51855), (1039, 51831), (1041, 51816), (1042, 51813), (1044, 51801), (1054, 51777), (1073, 51729), (1084, 51705),

Gene: Suigeneris_59 Start: 54668, Stop: 52842, Start Num: 208
Candidate Starts for Suigeneris_59:
(Start: 208 @54668 has 32 MA's), (280, 54614), (321, 54554), (390, 54443), (418, 54395), (464, 54293), (477, 54263), (487, 54251), (498, 54215), (511, 54185), (590, 54092), (594, 54080), (603, 54056), (609, 54044), (620, 54026), (658, 53963), (671, 53939), (673, 53936), (725, 53834), (797,

53645), (800, 53627), (806, 53609), (814, 53579), (820, 53552), (854, 53444), (856, 53438), (859, 53429), (863, 53408), (893, 53345), (905, 53312), (910, 53297), (933, 53237), (939, 53219), (944, 53207), (950, 53186), (953, 53177), (955, 53174), (1007, 53057), (1021, 53033), (1039, 52994), (1041, 52979), (1042, 52976), (1050, 52952), (1054, 52940), (1055, 52937), (1060, 52919), (1075, 52889), (1084, 52868), (1091, 52847),

Gene: Sultana_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for Sultana_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: SummitAcademy_44 Start: 33992, Stop: 31611, Start Num: 58
Candidate Starts for SummitAcademy_44:
(Start: 58 @33992 has 15 MA's), (80, 33932), (99, 33890), (115, 33851), (165, 33731), (176, 33710), (213, 33686), (270, 33608), (Start: 275 @33602 has 3 MA's), (Start: 277 @33599 has 1 MA's), (297, 33569), (323, 33521), (341, 33494), (Start: 342 @33491 has 5 MA's), (367, 33434), (392, 33395), (406, 33374), (426, 33332), (434, 33308), (437, 33299), (438, 33293), (441, 33287), (459, 33254), (469, 33233), (476, 33212), (537, 33029), (569, 32954), (591, 32912), (668, 32825), (706, 32801), (716, 32777), (720, 32768), (730, 32747), (754, 32696), (755, 32693), (761, 32678), (773, 32657), (810, 32531), (823, 32483), (825, 32474), (841, 32432), (862, 32339), (874, 32303), (876, 32297), (880, 32291), (883, 32285), (905, 32228), (912, 32204), (945, 32099), (946, 32096), (986, 32003), (991, 31985), (1004, 31946), (1013, 31904), (1027, 31880), (1039, 31850), (1050, 31802), (1058, 31778), (1072, 31733), (1099, 31667), (1108, 31646), (1109, 31640), (1113, 31634),

Gene: Sumter_42 Start: 34474, Stop: 32645, Start Num: 254
Candidate Starts for Sumter_42:
(Start: 254 @34474 has 935 MA's), (391, 34261), (400, 34246), (436, 34168), (443, 34147), (449, 34141), (455, 34132), (504, 34015), (514, 33988), (591, 33895), (596, 33880), (609, 33847), (639, 33796), (641, 33793), (675, 33739), (680, 33727), (701, 33697), (711, 33667), (734, 33622), (755, 33583), (819, 33403), (834, 33355), (850, 33307), (859, 33268), (862, 33250), (875, 33211), (899, 33190), (904, 33169), (909, 33154), (953, 33031), (1035, 32860), (1040, 32836), (1057, 32788), (1060, 32776), (1071, 32755), (1075, 32749), (1094, 32701), (1101, 32686),

Gene: Sunhee_47 Start: 31200, Stop: 29407, Start Num: 254
Candidate Starts for Sunhee_47:
(Start: 254 @31200 has 935 MA's), (261, 31191), (289, 31149), (371, 31026), (391, 30987), (396, 30978), (427, 30918), (449, 30864), (505, 30735), (514, 30711), (591, 30618), (606, 30573), (680, 30450), (785, 30252), (819, 30123), (855, 30000), (862, 29970), (899, 29910), (904, 29889), (908, 29877), (946, 29772), (953, 29751), (1003, 29655), (1037, 29574), (1041, 29553), (1043, 29544), (1060, 29496), (1065, 29484), (1071, 29475),

Gene: SunnyD_42 Start: 28854, Stop: 30725, Start Num: 254
Candidate Starts for SunnyD_42:
(Start: 254 @28854 has 935 MA's), (Start: 299 @28923 has 1 MA's), (315, 28944), (455, 29187), (463, 29199), (467, 29211), (470, 29217), (501, 29283), (621, 29478), (647, 29526), (782, 29805), (819, 29943), (861, 30090), (862, 30096), (903, 30189), (925, 30249), (967, 30360), (970, 30366), (1021, 30480), (1036, 30510), (1037, 30513), (1060, 30591), (1064, 30600),

Gene: Sunshine924_45 Start: 34152, Stop: 32323, Start Num: 254
Candidate Starts for Sunshine924_45:

(Start: 254 @34152 has 935 MA's), (391, 33939), (426, 33876), (436, 33846), (443, 33825), (449, 33819), (455, 33810), (504, 33693), (514, 33666), (591, 33573), (596, 33558), (639, 33474), (641, 33471), (680, 33405), (701, 33375), (711, 33345), (734, 33300), (755, 33261), (819, 33081), (834, 33033), (850, 32985), (859, 32946), (862, 32928), (875, 32889), (899, 32868), (904, 32847), (909, 32832), (953, 32709), (1035, 32538), (1040, 32514), (1057, 32466), (1060, 32454), (1071, 32433), (1075, 32427), (1094, 32379), (1101, 32364),

Gene: SuperAwesome_45 Start: 29638, Stop: 27797, Start Num: 254
Candidate Starts for SuperAwesome_45:
(Start: 254 @29638 has 935 MA's), (386, 29434), (426, 29359), (427, 29356), (436, 29329), (441, 29314), (449, 29302), (474, 29251), (510, 29161), (514, 29149), (591, 29056), (605, 29017), (618, 28999), (626, 28984), (666, 28918), (681, 28885), (683, 28882), (735, 28780), (767, 28720), (798, 28636), (819, 28555), (846, 28471), (847, 28468), (850, 28459), (855, 28432), (862, 28402), (899, 28342), (910, 28303), (1003, 28087), (1004, 28084), (1007, 28063), (1060, 27928), (1065, 27916), (1071, 27907), (1073, 27904), (1111, 27811),

Gene: SuperCallie99_45 Start: 29637, Stop: 27796, Start Num: 254
Candidate Starts for SuperCallie99_45:
(Start: 254 @29637 has 935 MA's), (386, 29433), (426, 29358), (427, 29355), (436, 29328), (441, 29313), (449, 29301), (474, 29250), (510, 29160), (514, 29148), (591, 29055), (605, 29016), (618, 28998), (626, 28983), (666, 28917), (681, 28884), (683, 28881), (735, 28779), (767, 28719), (798, 28635), (819, 28554), (846, 28470), (847, 28467), (850, 28458), (855, 28431), (862, 28401), (899, 28341), (910, 28302), (1003, 28086), (1004, 28083), (1007, 28062), (1060, 27927), (1065, 27915), (1071, 27906), (1073, 27903), (1111, 27810),

Gene: SuperHands_47 Start: 32961, Stop: 34826, Start Num: 253
Candidate Starts for SuperHands_47:
(164, 32835), (209, 32904), (222, 32922), (Start: 253 @32961 has 33 MA's), (436, 33258), (501, 33402), (593, 33555), (647, 33663), (727, 33810), (732, 33816), (762, 33879), (798, 33993), (819, 34074), (841, 34137), (853, 34191), (855, 34197), (923, 34374), (929, 34392), (932, 34401), (936, 34413), (970, 34497), (1018, 34605), (1039, 34650), (1060, 34722), (1096, 34800), (1105, 34821),

Gene: Superchunk_44 Start: 30012, Stop: 28183, Start Num: 254
Candidate Starts for Superchunk_44:
(Start: 254 @30012 has 935 MA's), (386, 29808), (391, 29799), (413, 29769), (426, 29736), (427, 29733), (436, 29706), (449, 29679), (463, 29658), (514, 29526), (591, 29433), (609, 29385), (666, 29295), (690, 29247), (732, 29166), (819, 28941), (847, 28854), (855, 28818), (862, 28788), (875, 28749), (899, 28728), (904, 28707), (910, 28689), (946, 28590), (956, 28563), (975, 28527), (985, 28509), (1003, 28473), (1060, 28314), (1065, 28302), (1071, 28293), (1091, 28245), (1105, 28215),

Gene: Superfresh_39 Start: 28922, Stop: 27057, Start Num: 339
Candidate Starts for Superfresh_39:
(Start: 275 @29009 has 3 MA's), (Start: 339 @28922 has 121 MA's), (Start: 342 @28913 has 5 MA's), (392, 28808), (398, 28799), (418, 28769), (419, 28766), (472, 28646), (476, 28634), (478, 28628), (518, 28523), (525, 28496), (582, 28355), (587, 28349), (588, 28346), (591, 28334), (600, 28307), (601, 28304), (612, 28289), (634, 28283), (637, 28277), (657, 28244), (725, 28115), (749, 28055), (855, 27740), (858, 27731), (859, 27728), (862, 27710), (876, 27668), (880, 27662), (895, 27638), (912, 27581), (970, 27422), (982, 27392), (985, 27383), (1004, 27323), (1007, 27299), (1025, 27260), (1039, 27227), (1040, 27215), (1058, 27155),

Gene: Surely_60 Start: 54325, Stop: 52466, Start Num: 215
Candidate Starts for Surely_60:

(Start: 198 @54349 has 1 MA's), (Start: 215 @54325 has 328 MA's), (Start: 245 @54301 has 14 MA's), (Start: 258 @54295 has 2 MA's), (Start: 288 @54253 has 1 MA's), (300, 54232), (360, 54118), (363, 54112), (382, 54082), (418, 54022), (425, 54001), (442, 53947), (454, 53935), (464, 53917), (469, 53905), (511, 53800), (567, 53743), (590, 53707), (594, 53695), (605, 53668), (620, 53641), (630, 53623), (641, 53605), (666, 53566), (670, 53557), (671, 53554), (783, 53296), (813, 53194), (820, 53161), (827, 53140), (856, 53047), (859, 53038), (881, 52975), (904, 52939), (905, 52936), (910, 52921), (939, 52843), (944, 52831), (950, 52810), (970, 52771), (1007, 52681), (1018, 52663), (1021, 52657), (1029, 52642), (1039, 52618), (1041, 52603), (1042, 52600), (1044, 52588), (1054, 52564), (1060, 52543), (1073, 52516), (1084, 52492),

Gene: Survivors_40 Start: 31946, Stop: 29589, Start Num: 57
Candidate Starts for Survivors_40:
(55, 31955), (Start: 57 @31946 has 26 MA's), (63, 31931), (74, 31895), (131, 31760), (165, 31697), (Start: 219 @31643 has 1 MA's), (292, 31541), (297, 31538), (341, 31463), (367, 31403), (403, 31352), (424, 31310), (434, 31280), (459, 31226), (469, 31205), (476, 31184), (498, 31121), (541, 30986), (546, 30971), (560, 30944), (569, 30926), (611, 30842), (664, 30806), (733, 30713), (753, 30671), (754, 30668), (755, 30665), (768, 30641), (774, 30629), (778, 30617), (816, 30476), (825, 30449), (862, 30314), (874, 30278), (876, 30272), (880, 30266), (883, 30260), (897, 30236), (905, 30203), (912, 30179), (925, 30134), (927, 30128), (947, 30068), (991, 29960), (1008, 29894), (1009, 29891), (1013, 29879), (1027, 29855), (1050, 29777), (1058, 29753), (1081, 29684),

Gene: SwainyDoc_59 Start: 54074, Stop: 52254, Start Num: 254
Candidate Starts for SwainyDoc_59:
(Start: 254 @54074 has 935 MA's), (280, 54041), (391, 53861), (437, 53756), (463, 53708), (467, 53696), (481, 53666), (489, 53660), (511, 53597), (513, 53591), (567, 53540), (590, 53504), (609, 53456), (671, 53351), (718, 53255), (747, 53204), (796, 53060), (806, 53021), (814, 52991), (820, 52964), (824, 52952), (854, 52856), (856, 52850), (859, 52841), (861, 52829), (893, 52757), (904, 52727), (910, 52709), (915, 52700), (939, 52631), (944, 52619), (950, 52598), (985, 52529), (996, 52514), (1004, 52490), (1007, 52469), (1018, 52451), (1021, 52445), (1037, 52412), (1039, 52406), (1042, 52388), (1044, 52376), (1050, 52364), (1054, 52352), (1070, 52310), (1084, 52280),

Gene: Swann_36 Start: 28113, Stop: 26329, Start Num: 254
Candidate Starts for Swann_36:
(Start: 254 @28113 has 935 MA's), (407, 27879), (422, 27849), (425, 27840), (426, 27837), (441, 27792), (449, 27780), (474, 27729), (514, 27627), (548, 27606), (591, 27534), (606, 27489), (609, 27486), (636, 27444), (638, 27438), (647, 27423), (666, 27396), (719, 27291), (725, 27282), (734, 27264), (735, 27261), (755, 27225), (787, 27168), (819, 27045), (834, 26997), (862, 26892), (863, 26889), (899, 26832), (904, 26811), (923, 26763), (948, 26688), (983, 26619), (1003, 26577), (1007, 26553), (1041, 26475), (1060, 26418), (1065, 26406), (1071, 26397), (1085, 26367), (1091, 26349),

Gene: SweatNTears_44 Start: 32451, Stop: 30061, Start Num: 45
Candidate Starts for SweatNTears_44:
(Start: 45 @32451 has 21 MA's), (80, 32388), (87, 32370), (93, 32355), (115, 32301), (118, 32289), (124, 32268), (139, 32235), (152, 32208), (165, 32184), (201, 32157), (Start: 277 @32052 has 1 MA's), (307, 32004), (367, 31887), (417, 31806), (427, 31779), (434, 31758), (459, 31704), (461, 31701), (469, 31683), (476, 31662), (497, 31602), (569, 31404), (591, 31362), (668, 31275), (684, 31251), (706, 31245), (730, 31191), (733, 31185), (753, 31143), (754, 31140), (755, 31137), (807, 30990), (816, 30948), (825, 30921), (841, 30879), (862, 30786), (874, 30750), (876, 30744), (880, 30738), (883, 30732), (897, 30708), (905, 30675), (912, 30651), (925, 30606), (945, 30546), (1004, 30393), (1058, 30225), (1072, 30180), (1076, 30171), (1079, 30162),

Gene: SweetiePie_44 Start: 31345, Stop: 29558, Start Num: 254
Candidate Starts for SweetiePie_44:

(Start: 254 @31345 has 935 MA's), (386, 31141), (388, 31138), (391, 31132), (402, 31117), (413, 31102), (426, 31069), (427, 31066), (436, 31039), (449, 31012), (463, 30991), (474, 30961), (514, 30859), (591, 30766), (609, 30718), (618, 30709), (626, 30694), (666, 30628), (708, 30547), (732, 30499), (734, 30493), (767, 30430), (798, 30355), (819, 30274), (836, 30223), (846, 30190), (847, 30187), (862, 30121), (875, 30082), (899, 30061), (925, 29986), (931, 29968), (946, 29923), (956, 29896), (975, 29860), (983, 29848), (985, 29842), (1003, 29806), (1007, 29782), (1041, 29704), (1060, 29647), (1065, 29635), (1071, 29626),

Gene: Swervy_43 Start: 29550, Stop: 31424, Start Num: 241
Candidate Starts for Swervy_43:
(Start: 238 @29547 has 7 MA's), (Start: 241 @29550 has 65 MA's), (Start: 299 @29619 has 1 MA's), (315, 29640), (386, 29757), (426, 29820), (455, 29886), (474, 29928), (647, 30222), (719, 30357), (766, 30456), (804, 30579), (819, 30639), (822, 30645), (836, 30690), (845, 30720), (853, 30756), (862, 30792), (903, 30885), (936, 30978), (967, 31056), (1003, 31128), (1012, 31167), (1037, 31209), (1040, 31227), (1060, 31287), (1071, 31308),

Gene: Swiphy_62 Start: 54569, Stop: 52710, Start Num: 215
Candidate Starts for Swiphy_62:
(Start: 198 @54593 has 1 MA's), (Start: 215 @54569 has 328 MA's), (Start: 245 @54545 has 14 MA's), (Start: 258 @54539 has 2 MA's), (Start: 288 @54497 has 1 MA's), (300, 54476), (360, 54362), (363, 54356), (382, 54326), (418, 54266), (425, 54245), (442, 54191), (454, 54179), (464, 54161), (469, 54149), (511, 54044), (567, 53987), (590, 53951), (594, 53939), (603, 53915), (609, 53903), (620, 53885), (630, 53867), (641, 53849), (666, 53810), (670, 53801), (671, 53798), (673, 53795), (813, 53438), (820, 53405), (827, 53384), (856, 53291), (859, 53282), (881, 53219), (904, 53183), (905, 53180), (910, 53165), (939, 53087), (944, 53075), (950, 53054), (970, 53015), (1007, 52925), (1018, 52907), (1021, 52901), (1029, 52886), (1039, 52862), (1041, 52847), (1042, 52844), (1044, 52832), (1054, 52808), (1073, 52760), (1084, 52736),

Gene: SwirlSquare_46 Start: 30249, Stop: 28459, Start Num: 254
Candidate Starts for SwirlSquare_46:
(Start: 254 @30249 has 935 MA's), (386, 30045), (396, 30027), (419, 29991), (426, 29970), (427, 29967), (436, 29940), (439, 29928), (449, 29913), (463, 29892), (514, 29760), (591, 29667), (609, 29619), (666, 29529), (732, 29400), (819, 29175), (847, 29088), (855, 29052), (862, 29022), (875, 28983), (899, 28962), (904, 28941), (910, 28923), (946, 28824), (956, 28797), (975, 28761), (985, 28743), (1003, 28707), (1007, 28683), (1060, 28548), (1065, 28536), (1071, 28527),

Gene: Swirley_41 Start: 30927, Stop: 29062, Start Num: 254
Candidate Starts for Swirley_41:
(Start: 254 @30927 has 935 MA's), (289, 30876), (334, 30816), (371, 30753), (386, 30723), (388, 30720), (422, 30663), (426, 30651), (436, 30621), (449, 30594), (514, 30441), (591, 30345), (609, 30297), (659, 30213), (666, 30207), (706, 30135), (719, 30102), (727, 30087), (734, 30075), (783, 29976), (819, 29841), (830, 29811), (834, 29793), (843, 29775), (847, 29754), (850, 29745), (862, 29688), (875, 29649), (904, 29607), (910, 29589), (929, 29541), (946, 29490), (971, 29436), (975, 29427), (985, 29409), (1007, 29349), (1018, 29331), (1053, 29238), (1060, 29214), (1065, 29202), (1111, 29097),

Gene: Swish_62 Start: 54299, Stop: 52440, Start Num: 215
Candidate Starts for Swish_62:
(Start: 198 @54323 has 1 MA's), (Start: 215 @54299 has 328 MA's), (Start: 245 @54275 has 14 MA's), (Start: 258 @54269 has 2 MA's), (Start: 288 @54227 has 1 MA's), (300, 54206), (360, 54092), (363, 54086), (382, 54056), (418, 53996), (425, 53975), (442, 53921), (454, 53909), (464, 53891), (469, 53879), (511, 53774), (567, 53717), (590, 53681), (594, 53669), (603, 53645), (609, 53633), (620, 53615), (630, 53597), (641, 53579), (666, 53540), (670, 53531), (671, 53528), (673, 53525),

(813, 53168), (820, 53135), (827, 53114), (856, 53021), (859, 53012), (881, 52949), (904, 52913), (905, 52910), (910, 52895), (939, 52817), (944, 52805), (950, 52784), (970, 52745), (1007, 52655), (1018, 52637), (1021, 52631), (1029, 52616), (1039, 52592), (1041, 52577), (1042, 52574), (1044, 52562), (1054, 52538), (1073, 52490), (1084, 52466),

Gene: SwissCheese_46 Start: 34979, Stop: 33153, Start Num: 254
Candidate Starts for SwissCheese_46:
(Start: 254 @34979 has 935 MA's), (391, 34766), (400, 34751), (436, 34673), (443, 34652), (449, 34646), (455, 34637), (504, 34520), (514, 34493), (591, 34400), (596, 34385), (603, 34364), (609, 34352), (639, 34301), (641, 34298), (680, 34232), (701, 34202), (711, 34172), (734, 34127), (755, 34088), (819, 33908), (834, 33860), (847, 33821), (862, 33755), (875, 33716), (899, 33695), (904, 33674), (910, 33656), (935, 33590), (1003, 33440), (1004, 33437), (1012, 33401), (1029, 33377), (1034, 33368), (1038, 33356), (1060, 33281), (1071, 33260),

Gene: Switzer_45 Start: 34442, Stop: 32616, Start Num: 254
Candidate Starts for Switzer_45:
(Start: 254 @34442 has 935 MA's), (391, 34229), (426, 34166), (436, 34136), (443, 34115), (449, 34109), (455, 34100), (504, 33983), (514, 33956), (591, 33863), (596, 33848), (639, 33764), (641, 33761), (680, 33695), (701, 33665), (711, 33635), (734, 33590), (755, 33551), (819, 33371), (834, 33323), (847, 33284), (862, 33218), (875, 33179), (899, 33158), (904, 33137), (910, 33119), (935, 33053), (1003, 32903), (1004, 32900), (1012, 32864), (1034, 32831), (1038, 32819), (1043, 32792), (1060, 32744), (1071, 32723),

Gene: Switzerland_47 Start: 30042, Stop: 28252, Start Num: 254
Candidate Starts for Switzerland_47:
(Start: 254 @30042 has 935 MA's), (371, 29868), (426, 29763), (427, 29760), (436, 29733), (449, 29706), (474, 29655), (514, 29553), (591, 29460), (606, 29415), (609, 29412), (618, 29403), (708, 29241), (719, 29214), (732, 29193), (734, 29187), (788, 29088), (798, 29049), (813, 28998), (819, 28968), (836, 28917), (846, 28884), (853, 28851), (855, 28845), (862, 28815), (899, 28755), (904, 28734), (920, 28692), (930, 28665), (935, 28650), (971, 28563), (1003, 28500), (1004, 28497), (1060, 28341), (1065, 28329), (1073, 28317),

Gene: Swole_45 Start: 34149, Stop: 32320, Start Num: 254
Candidate Starts for Swole_45:
(Start: 254 @34149 has 935 MA's), (391, 33936), (400, 33921), (426, 33873), (436, 33843), (443, 33822), (449, 33816), (455, 33807), (504, 33690), (514, 33663), (591, 33570), (596, 33555), (603, 33534), (639, 33471), (641, 33468), (680, 33402), (701, 33372), (711, 33342), (734, 33297), (755, 33258), (819, 33078), (834, 33030), (850, 32982), (859, 32943), (862, 32925), (875, 32886), (899, 32865), (904, 32844), (909, 32829), (953, 32706), (1035, 32535), (1040, 32511), (1057, 32463), (1060, 32451), (1071, 32430), (1075, 32424), (1094, 32376), (1101, 32361),

Gene: SydNat_40 Start: 31117, Stop: 29252, Start Num: 254
Candidate Starts for SydNat_40:
(Start: 254 @31117 has 935 MA's), (289, 31066), (334, 31006), (371, 30943), (386, 30913), (388, 30910), (422, 30853), (436, 30811), (449, 30784), (514, 30631), (591, 30535), (602, 30502), (609, 30487), (659, 30403), (666, 30397), (681, 30364), (727, 30277), (734, 30265), (755, 30226), (783, 30166), (819, 30031), (830, 30001), (834, 29983), (846, 29947), (847, 29944), (862, 29878), (875, 29839), (904, 29797), (910, 29779), (929, 29731), (931, 29725), (946, 29680), (971, 29626), (975, 29617), (985, 29599), (1018, 29521), (1040, 29464), (1053, 29428), (1060, 29404), (1065, 29392), (1119, 29260),

Gene: Symere_38 Start: 28615, Stop: 26750, Start Num: 339
Candidate Starts for Symere_38:

(Start: 275 @28702 has 3 MA's), (Start: 277 @28699 has 1 MA's), (Start: 339 @28615 has 121 MA's), (Start: 342 @28606 has 5 MA's), (392, 28501), (398, 28492), (418, 28462), (419, 28459), (472, 28339), (476, 28327), (478, 28321), (518, 28216), (525, 28189), (582, 28048), (587, 28042), (588, 28039), (591, 28027), (600, 28000), (601, 27997), (612, 27982), (634, 27976), (637, 27970), (657, 27937), (725, 27808), (749, 27748), (855, 27433), (858, 27424), (859, 27421), (862, 27403), (876, 27361), (880, 27355), (884, 27346), (895, 27331), (912, 27274), (970, 27115), (982, 27085), (985, 27076), (1004, 27016), (1007, 26992), (1025, 26953), (1039, 26920), (1040, 26908), (1058, 26848),

Gene: SynergyX_58 Start: 53681, Stop: 51864, Start Num: 256
Candidate Starts for SynergyX_58:
(137, 53864), (Start: 256 @53681 has 51 MA's), (280, 53651), (391, 53471), (463, 53318), (467, 53306), (481, 53276), (489, 53270), (511, 53207), (513, 53201), (567, 53150), (590, 53114), (609, 53066), (671, 52961), (718, 52865), (747, 52814), (796, 52670), (806, 52631), (814, 52601), (820, 52574), (824, 52562), (854, 52466), (856, 52460), (859, 52451), (861, 52439), (893, 52367), (904, 52337), (910, 52319), (915, 52310), (939, 52241), (944, 52229), (950, 52208), (985, 52139), (996, 52124), (1004, 52100), (1007, 52079), (1018, 52061), (1021, 52055), (1037, 52022), (1039, 52016), (1042, 51998), (1044, 51986), (1050, 51974), (1054, 51962), (1070, 51920), (1084, 51890),

Gene: TA17A_58 Start: 52484, Stop: 50655, Start Num: 215
Candidate Starts for TA17A_58:
(Start: 215 @52484 has 328 MA's), (Start: 258 @52457 has 2 MA's), (Start: 282 @52427 has 7 MA's), (Start: 288 @52415 has 1 MA's), (Start: 304 @52388 has 2 MA's), (305, 52385), (314, 52376), (338, 52358), (388, 52262), (418, 52211), (426, 52187), (433, 52163), (496, 52025), (506, 52001), (511, 51989), (567, 51932), (590, 51896), (603, 51860), (652, 51776), (670, 51746), (671, 51743), (684, 51713), (753, 51569), (778, 51503), (796, 51452), (800, 51431), (806, 51413), (820, 51356), (844, 51299), (850, 51272), (856, 51242), (859, 51233), (879, 51167), (902, 51140), (904, 51131), (910, 51113), (920, 51089), (939, 51035), (944, 51023), (950, 51002), (985, 50933), (1007, 50873), (1018, 50855), (1035, 50822), (1039, 50810), (1041, 50795), (1042, 50792), (1044, 50780), (1054, 50756), (1055, 50753), (1073, 50705), (1075, 50702), (1084, 50681), (1091, 50660),

Gene: TG1_31 Start: 25848, Stop: 27695, Start Num: 254
Candidate Starts for TG1_31:
(194, 25767), (209, 25788), (220, 25803), (231, 25821), (Start: 254 @25848 has 935 MA's), (Start: 285 @25890 has 6 MA's), (305, 25929), (330, 25953), (386, 26049), (418, 26097), (435, 26148), (443, 26172), (516, 26337), (593, 26427), (594, 26430), (618, 26484), (626, 26499), (639, 26526), (647, 26538), (657, 26553), (679, 26592), (727, 26685), (732, 26691), (759, 26748), (761, 26751), (812, 26916), (819, 26949), (834, 26997), (841, 27012), (853, 27066), (855, 27072), (860, 27093), (862, 27102), (866, 27117), (874, 27147), (910, 27228), (917, 27243), (969, 27378), (971, 27384), (974, 27390), (996, 27426), (1012, 27486), (1021, 27495), (1029, 27510), (1035, 27522), (1037, 27528), (1043, 27558), (1060, 27606), (1063, 27612), (1071, 27627), (1075, 27633),

Gene: TMaxx_42 Start: 29595, Stop: 27817, Start Num: 245
Candidate Starts for TMaxx_42:
(154, 29724), (Start: 245 @29595 has 14 MA's), (300, 29517), (328, 29475), (356, 29427), (426, 29322), (467, 29235), (474, 29217), (506, 29154), (509, 29148), (517, 29124), (591, 29055), (632, 28974), (647, 28947), (657, 28932), (692, 28869), (721, 28812), (736, 28782), (755, 28746), (759, 28734), (774, 28710), (810, 28617), (815, 28596), (819, 28575), (822, 28569), (851, 28473), (856, 28449), (862, 28422), (875, 28383), (920, 28272), (927, 28254), (932, 28239), (946, 28197), (948, 28191), (956, 28170), (979, 28116), (984, 28101), (1008, 28035), (1018, 28020), (1026, 28005), (1035, 27984), (1037, 27978), (1041, 27957), (1042, 27954), (1045, 27936), (1054, 27921), (1093, 27828),

Gene: TNguyen7_46 Start: 31522, Stop: 29684, Start Num: 254
Candidate Starts for TNguyen7_46:

(Start: 254 @31522 has 935 MA's), (289, 31471), (338, 31405), (386, 31318), (422, 31258), (426, 31246), (449, 31189), (455, 31180), (505, 31060), (514, 31036), (591, 30940), (611, 30892), (647, 30832), (683, 30769), (719, 30700), (732, 30679), (768, 30607), (787, 30565), (798, 30523), (819, 30442), (834, 30394), (855, 30319), (862, 30289), (873, 30259), (905, 30178), (920, 30139), (929, 30115), (935, 30097), (985, 29968), (1007, 29908), (1060, 29773), (1065, 29761), (1071, 29752),

Gene: TP1604_48 Start: 39372, Stop: 37372, Start Num: 327
Candidate Starts for TP1604_48:
(Start: 327 @39372 has 11 MA's), (371, 39303), (435, 39171), (437, 39165), (438, 39159), (463, 39111), (467, 39099), (470, 39093), (477, 39072), (485, 39057), (507, 38988), (550, 38847), (589, 38751), (628, 38664), (645, 38640), (653, 38628), (662, 38616), (700, 38547), (759, 38400), (801, 38295), (806, 38280), (822, 38223), (829, 38202), (841, 38160), (848, 38130), (855, 38097), (867, 38043), (874, 38013), (891, 37944), (899, 37923), (920, 37860), (927, 37842), (931, 37830), (939, 37806), (1007, 37605), (1008, 37602), (1038, 37548), (1041, 37530), (1053, 37497), (1060, 37473), (1083, 37425),

Gene: TPA2_63 Start: 52427, Stop: 50550, Start Num: 251
Candidate Starts for TPA2_63:
(72, 52787), (141, 52604), (Start: 251 @52427 has 15 MA's), (Start: 258 @52418 has 2 MA's), (287, 52379), (318, 52337), (323, 52325), (338, 52319), (382, 52232), (388, 52223), (413, 52181), (424, 52154), (431, 52133), (473, 52043), (487, 52022), (493, 52004), (495, 51998), (503, 51980), (567, 51902), (590, 51866), (594, 51854), (595, 51851), (603, 51830), (660, 51734), (676, 51701), (706, 51647), (775, 51482), (793, 51431), (806, 51383), (820, 51326), (847, 51248), (850, 51239), (854, 51215), (856, 51209), (881, 51137), (904, 51101), (910, 51083), (933, 51023), (939, 51005), (944, 50993), (950, 50972), (953, 50963), (982, 50912), (1035, 50792), (1039, 50780), (1050, 50732), (1053, 50723), (1054, 50720), (1057, 50711), (1060, 50699), (1081, 50651), (1097, 50612), (1104, 50594),

Gene: TWAMP_36 Start: 28113, Stop: 26329, Start Num: 254
Candidate Starts for TWAMP_36:
(Start: 254 @28113 has 935 MA's), (407, 27879), (422, 27849), (425, 27840), (426, 27837), (441, 27792), (449, 27780), (474, 27729), (514, 27627), (548, 27606), (591, 27534), (606, 27489), (609, 27486), (636, 27444), (638, 27438), (647, 27423), (666, 27396), (719, 27291), (725, 27282), (734, 27264), (735, 27261), (755, 27225), (819, 27045), (834, 26997), (862, 26892), (863, 26889), (899, 26832), (904, 26811), (923, 26763), (948, 26688), (983, 26619), (1003, 26577), (1007, 26553), (1041, 26475), (1060, 26418), (1065, 26406), (1071, 26397), (1085, 26367), (1091, 26349),

Gene: Tailonex_28 Start: 26933, Stop: 25119, Start Num: 254
Candidate Starts for Tailonex_28:
(Start: 254 @26933 has 935 MA's), (414, 26687), (474, 26555), (514, 26453), (550, 26426), (591, 26360), (595, 26348), (603, 26324), (606, 26315), (675, 26204), (785, 25997), (798, 25949), (819, 25868), (834, 25820), (848, 25778), (859, 25733), (862, 25715), (875, 25676), (899, 25655), (905, 25631), (935, 25550), (1003, 25400), (1060, 25241), (1067, 25226),

Gene: Takoda_36 Start: 28086, Stop: 26302, Start Num: 254
Candidate Starts for Takoda_36:
(Start: 254 @28086 has 935 MA's), (369, 27915), (413, 27843), (425, 27813), (426, 27810), (441, 27765), (449, 27753), (455, 27744), (474, 27702), (514, 27600), (548, 27579), (567, 27549), (591, 27507), (609, 27459), (647, 27396), (666, 27369), (719, 27264), (725, 27255), (734, 27237), (755, 27198), (819, 27018), (834, 26970), (862, 26865), (863, 26862), (899, 26805), (904, 26784), (923, 26736), (948, 26661), (983, 26592), (1003, 26550), (1007, 26526), (1041, 26448), (1060, 26391), (1065, 26379), (1085, 26340), (1091, 26322),

Gene: Talia1610_99 Start: 77815, Stop: 79611, Start Num: 265

Candidate Starts for Talia1610_99:
(Start: 265 @77815 has 10 MA's), (334, 77911), (454, 78127), (467, 78154), (470, 78160), (504, 78229), (517, 78265), (632, 78412), (635, 78418), (647, 78439), (657, 78454), (755, 78643), (777, 78688), (790, 78721), (795, 78739), (803, 78772), (815, 78811), (819, 78832), (822, 78838), (853, 78952), (874, 79036), (876, 79042), (884, 79054), (903, 79102), (906, 79114), (920, 79150), (932, 79183), (935, 79192), (950, 79237), (958, 79255), (1003, 79360), (1008, 79387), (1018, 79402), (1035, 79435), (1040, 79459), (1045, 79483), (1060, 79519), (1075, 79546),

Gene: TallGrassMM_60 Start: 53939, Stop: 52080, Start Num: 215
Candidate Starts for TallGrassMM_60:
(Start: 198 @53963 has 1 MA's), (Start: 215 @53939 has 328 MA's), (Start: 245 @53915 has 14 MA's), (Start: 258 @53909 has 2 MA's), (Start: 288 @53867 has 1 MA's), (300, 53846), (360, 53732), (363, 53726), (382, 53696), (418, 53636), (425, 53615), (442, 53561), (454, 53549), (464, 53531), (469, 53519), (511, 53414), (567, 53357), (590, 53321), (594, 53309), (605, 53282), (630, 53237), (666, 53180), (670, 53171), (671, 53168), (813, 52808), (820, 52775), (827, 52754), (856, 52661), (859, 52652), (881, 52589), (904, 52553), (905, 52550), (910, 52535), (939, 52457), (944, 52445), (950, 52424), (970, 52385), (1007, 52295), (1018, 52277), (1021, 52271), (1029, 52256), (1039, 52232), (1041, 52217), (1042, 52214), (1044, 52202), (1054, 52178), (1073, 52130), (1084, 52106),

Gene: Tallboi_40 Start: 30542, Stop: 32407, Start Num: 254
Candidate Starts for Tallboi_40:
(Start: 254 @30542 has 935 MA's), (Start: 288 @30590 has 1 MA's), (371, 30716), (436, 30839), (479, 30929), (593, 31136), (596, 31145), (647, 31244), (657, 31259), (666, 31271), (732, 31397), (788, 31535), (819, 31655), (830, 31685), (847, 31742), (862, 31808), (903, 31901), (929, 31973), (971, 32081), (1003, 32144), (1060, 32303), (1064, 32312),

Gene: Talos_142 Start: 74147, Stop: 76183, Start Num: 282
Candidate Starts for Talos_142:
(Start: 282 @74147 has 7 MA's), (325, 74213), (345, 74237), (369, 74288), (376, 74303), (391, 74336), (428, 74405), (484, 74540), (495, 74576), (557, 74696), (583, 74750), (586, 74753), (602, 74804), (606, 74816), (647, 74885), (659, 74906), (685, 74954), (821, 75341), (849, 75458), (852, 75476), (898, 75596), (901, 75608), (924, 75677), (927, 75686), (979, 75830), (984, 75845), (1012, 75944), (1039, 76019), (1060, 76091), (1077, 76136), (1080, 76145), (1082, 76151),

Gene: Taquarus_45 Start: 31573, Stop: 29747, Start Num: 254
Candidate Starts for Taquarus_45:
(Start: 254 @31573 has 935 MA's), (271, 31552), (289, 31522), (305, 31492), (413, 31330), (421, 31312), (449, 31240), (455, 31231), (505, 31111), (514, 31087), (591, 30994), (611, 30946), (626, 30925), (647, 30886), (719, 30754), (732, 30733), (755, 30688), (759, 30676), (815, 30523), (819, 30502), (855, 30379), (862, 30349), (875, 30310), (904, 30244), (905, 30241), (910, 30226), (920, 30202), (929, 30178), (1007, 29971), (1060, 29836), (1065, 29824), (1071, 29815),

Gene: Taraxa_63 Start: 53920, Stop: 52061, Start Num: 215
Candidate Starts for Taraxa_63:
(Start: 198 @53944 has 1 MA's), (Start: 215 @53920 has 328 MA's), (Start: 245 @53896 has 14 MA's), (Start: 258 @53890 has 2 MA's), (Start: 288 @53848 has 1 MA's), (300, 53827), (360, 53713), (363, 53707), (382, 53677), (418, 53617), (425, 53596), (442, 53542), (454, 53530), (464, 53512), (469, 53500), (511, 53395), (567, 53338), (590, 53302), (594, 53290), (603, 53266), (609, 53254), (620, 53236), (630, 53218), (641, 53200), (666, 53161), (670, 53152), (671, 53149), (673, 53146), (813, 52789), (820, 52756), (827, 52735), (856, 52642), (859, 52633), (881, 52570), (904, 52534), (905, 52531), (910, 52516), (939, 52438), (944, 52426), (950, 52405), (970, 52366), (1007, 52276), (1018, 52258), (1021, 52252), (1029, 52237), (1039, 52213), (1041, 52198), (1042, 52195), (1044, 52183), (1054, 52159), (1073, 52111), (1084, 52087),

Gene: Target_45 Start: 33552, Stop: 31723, Start Num: 254
Candidate Starts for Target_45:
(Start: 254 @33552 has 935 MA's), (391, 33339), (400, 33324), (426, 33276), (436, 33246), (443, 33225), (449, 33219), (455, 33210), (504, 33093), (514, 33066), (591, 32973), (596, 32958), (609, 32925), (639, 32874), (641, 32871), (680, 32805), (711, 32745), (734, 32700), (755, 32661), (819, 32481), (834, 32433), (850, 32385), (859, 32346), (862, 32328), (875, 32289), (899, 32268), (904, 32247), (909, 32232), (953, 32109), (1035, 31938), (1040, 31914), (1057, 31866), (1060, 31854), (1071, 31833), (1075, 31827), (1094, 31779), (1101, 31764),

Gene: Tarnish_45 Start: 34452, Stop: 32071, Start Num: 58
Candidate Starts for Tarnish_45:
(Start: 58 @34452 has 15 MA's), (80, 34392), (99, 34350), (115, 34311), (150, 34221), (165, 34191), (176, 34170), (213, 34146), (270, 34068), (Start: 275 @34062 has 3 MA's), (Start: 277 @34059 has 1 MA's), (297, 34029), (307, 34011), (318, 33993), (341, 33954), (Start: 342 @33951 has 5 MA's), (367, 33894), (392, 33855), (406, 33834), (426, 33792), (434, 33768), (437, 33759), (438, 33753), (441, 33747), (459, 33714), (469, 33693), (476, 33672), (537, 33489), (569, 33414), (591, 33372), (668, 33285), (706, 33261), (716, 33237), (720, 33228), (730, 33207), (754, 33156), (755, 33153), (761, 33138), (773, 33117), (810, 32991), (823, 32943), (825, 32934), (841, 32892), (862, 32799), (874, 32763), (876, 32757), (880, 32751), (883, 32745), (905, 32688), (912, 32664), (945, 32559), (946, 32556), (986, 32463), (991, 32445), (1004, 32406), (1013, 32364), (1027, 32340), (1039, 32310), (1050, 32262), (1058, 32238), (1072, 32193), (1099, 32127), (1108, 32106), (1109, 32100), (1113, 32094),

Gene: TarsusIV_42 Start: 31027, Stop: 29240, Start Num: 253
Candidate Starts for TarsusIV_42:
(Start: 253 @31027 has 33 MA's), (391, 30814), (402, 30799), (413, 30784), (426, 30751), (427, 30748), (436, 30721), (449, 30694), (455, 30685), (514, 30541), (591, 30448), (603, 30412), (609, 30400), (618, 30391), (626, 30376), (708, 30229), (732, 30181), (734, 30175), (819, 29956), (836, 29905), (846, 29872), (847, 29869), (862, 29803), (875, 29764), (899, 29743), (925, 29668), (929, 29656), (946, 29605), (975, 29542), (1003, 29488), (1007, 29464), (1037, 29407), (1041, 29386), (1060, 29329), (1065, 29317), (1071, 29308),

Gene: Tarynearal_37 Start: 30369, Stop: 28504, Start Num: 254
Candidate Starts for Tarynearal_37:
(Start: 254 @30369 has 935 MA's), (289, 30318), (334, 30258), (371, 30195), (386, 30165), (388, 30162), (422, 30105), (426, 30093), (436, 30063), (449, 30036), (514, 29883), (591, 29787), (609, 29739), (659, 29655), (666, 29649), (706, 29577), (719, 29544), (727, 29529), (734, 29517), (783, 29418), (819, 29283), (830, 29253), (834, 29235), (836, 29232), (847, 29196), (850, 29187), (853, 29166), (856, 29157), (862, 29130), (863, 29127), (899, 29070), (904, 29049), (946, 28932), (971, 28878), (975, 28869), (985, 28851), (1007, 28791), (1018, 28773), (1040, 28716), (1053, 28680), (1060, 28656), (1065, 28644),

Gene: Tasp14_46 Start: 35011, Stop: 33185, Start Num: 254
Candidate Starts for Tasp14_46:
(Start: 254 @35011 has 935 MA's), (391, 34798), (400, 34783), (436, 34705), (443, 34684), (449, 34678), (455, 34669), (504, 34552), (514, 34525), (591, 34432), (596, 34417), (639, 34333), (641, 34330), (680, 34264), (701, 34234), (711, 34204), (734, 34159), (755, 34120), (819, 33940), (834, 33892), (847, 33853), (862, 33787), (875, 33748), (899, 33727), (904, 33706), (910, 33688), (935, 33622), (1003, 33472), (1004, 33469), (1012, 33433), (1029, 33409), (1034, 33400), (1038, 33388), (1060, 33313), (1071, 33292),

Gene: TatarkaPM_39 Start: 29065, Stop: 27074, Start Num: 242

Candidate Starts for TatarkaPM_39:
(14, 29698), (84, 29395), (Start: 242 @29065 has 1 MA's), (273, 29029), (278, 29023), (Start: 339 @28939 has 121 MA's), (Start: 342 @28930 has 5 MA's), (392, 28825), (398, 28816), (418, 28786), (419, 28783), (472, 28663), (476, 28651), (478, 28645), (518, 28540), (525, 28513), (582, 28372), (587, 28366), (588, 28363), (591, 28351), (600, 28324), (601, 28321), (612, 28306), (634, 28300), (637, 28294), (657, 28261), (749, 28072), (855, 27757), (858, 27748), (859, 27745), (862, 27727), (876, 27685), (880, 27679), (884, 27670), (895, 27655), (912, 27598), (970, 27439), (982, 27409), (985, 27400), (1004, 27340), (1007, 27316), (1025, 27277), (1039, 27244), (1040, 27232), (1058, 27172),

Gene: Taurus_49 Start: 31852, Stop: 30038, Start Num: 254
Candidate Starts for Taurus_49:
(Start: 254 @31852 has 935 MA's), (284, 31813), (289, 31801), (386, 31648), (395, 31633), (426, 31576), (449, 31519), (455, 31510), (474, 31468), (494, 31417), (514, 31366), (591, 31273), (609, 31225), (618, 31216), (626, 31201), (647, 31162), (666, 31135), (680, 31105), (727, 31012), (758, 30952), (767, 30937), (819, 30781), (847, 30694), (862, 30628), (875, 30589), (905, 30517), (920, 30478), (929, 30454), (935, 30436), (946, 30403), (956, 30376), (985, 30322), (1007, 30262), (1041, 30184), (1060, 30127), (1065, 30115), (1071, 30106),

Gene: Tbone_40 Start: 29503, Stop: 31368, Start Num: 254
Candidate Starts for Tbone_40:
(Start: 254 @29503 has 935 MA's), (Start: 288 @29551 has 1 MA's), (436, 29800), (479, 29890), (593, 30097), (596, 30106), (641, 30196), (647, 30205), (657, 30220), (681, 30265), (708, 30310), (732, 30358), (759, 30415), (788, 30496), (819, 30616), (830, 30646), (847, 30703), (862, 30769), (872, 30793), (903, 30862), (929, 30934), (932, 30943), (971, 31042), (1003, 31105), (1007, 31129), (1060, 31264), (1064, 31273),

Gene: Teagan_39 Start: 28930, Stop: 27065, Start Num: 339
Candidate Starts for Teagan_39:
(Start: 275 @29017 has 3 MA's), (Start: 277 @29014 has 1 MA's), (Start: 339 @28930 has 121 MA's), (Start: 342 @28921 has 5 MA's), (392, 28816), (398, 28807), (418, 28777), (419, 28774), (472, 28654), (476, 28642), (478, 28636), (518, 28531), (525, 28504), (582, 28363), (587, 28357), (588, 28354), (591, 28342), (600, 28315), (601, 28312), (612, 28297), (634, 28291), (637, 28285), (657, 28252), (749, 28063), (780, 27988), (855, 27748), (858, 27739), (859, 27736), (862, 27718), (876, 27676), (880, 27670), (884, 27661), (895, 27646), (912, 27589), (970, 27430), (982, 27400), (985, 27391), (1004, 27331), (1007, 27307), (1025, 27268), (1039, 27235), (1040, 27223), (1058, 27163),

Gene: Teagster_43 Start: 29747, Stop: 31618, Start Num: 254
Candidate Starts for Teagster_43:
(Start: 254 @29747 has 935 MA's), (271, 29768), (Start: 288 @29795 has 1 MA's), (Start: 299 @29816 has 1 MA's), (315, 29837), (455, 30080), (463, 30092), (467, 30104), (470, 30110), (501, 30176), (603, 30338), (621, 30371), (647, 30419), (782, 30698), (819, 30836), (861, 30983), (862, 30989), (903, 31082), (925, 31142), (967, 31253), (970, 31259), (1021, 31373), (1036, 31403), (1037, 31406), (1060, 31484), (1064, 31493),

Gene: TeddyBear_38 Start: 28632, Stop: 26767, Start Num: 339
Candidate Starts for TeddyBear_38:
(Start: 275 @28719 has 3 MA's), (Start: 339 @28632 has 121 MA's), (Start: 342 @28623 has 5 MA's), (392, 28518), (398, 28509), (418, 28479), (419, 28476), (472, 28356), (476, 28344), (478, 28338), (518, 28233), (525, 28206), (582, 28065), (587, 28059), (588, 28056), (591, 28044), (600, 28017), (601, 28014), (612, 27999), (634, 27993), (637, 27987), (657, 27954), (725, 27825), (749, 27765), (855, 27450), (858, 27441), (859, 27438), (862, 27420), (876, 27378), (880, 27372), (895, 27348), (912, 27291), (970, 27132), (982, 27102), (985, 27093), (1004, 27033), (1007, 27009), (1025, 26970),

(1039, 26937), (1040, 26925), (1058, 26865),

Gene: Telesworld_58 Start: 54144, Stop: 52285, Start Num: 215
Candidate Starts for Telesworld_58:
(Start: 198 @54168 has 1 MA's), (Start: 215 @54144 has 328 MA's), (Start: 245 @54120 has 14 MA's), (Start: 258 @54114 has 2 MA's), (Start: 288 @54072 has 1 MA's), (300, 54051), (360, 53937), (363, 53931), (382, 53901), (418, 53841), (425, 53820), (442, 53766), (454, 53754), (464, 53736), (469, 53724), (511, 53619), (567, 53562), (590, 53526), (594, 53514), (605, 53487), (630, 53442), (666, 53385), (670, 53376), (671, 53373), (813, 53013), (820, 52980), (827, 52959), (856, 52866), (859, 52857), (881, 52794), (904, 52758), (905, 52755), (910, 52740), (939, 52662), (944, 52650), (950, 52629), (970, 52590), (1007, 52500), (1018, 52482), (1021, 52476), (1029, 52461), (1039, 52437), (1041, 52422), (1042, 52419), (1044, 52407), (1054, 52383), (1073, 52335), (1084, 52311),

Gene: Temprado_46 Start: 29791, Stop: 27950, Start Num: 254
Candidate Starts for Temprado_46:
(Start: 254 @29791 has 935 MA's), (386, 29587), (426, 29512), (427, 29509), (436, 29482), (441, 29467), (449, 29455), (474, 29404), (510, 29314), (514, 29302), (591, 29209), (605, 29170), (618, 29152), (626, 29137), (666, 29071), (681, 29038), (683, 29035), (735, 28933), (767, 28873), (798, 28789), (819, 28708), (846, 28624), (847, 28621), (850, 28612), (855, 28585), (862, 28555), (899, 28495), (910, 28456), (1003, 28240), (1004, 28237), (1007, 28216), (1060, 28081), (1065, 28069), (1071, 28060), (1073, 28057), (1111, 27964),

Gene: Tenda_38 Start: 28630, Stop: 26765, Start Num: 339
Candidate Starts for Tenda_38:
(Start: 275 @28717 has 3 MA's), (Start: 277 @28714 has 1 MA's), (Start: 339 @28630 has 121 MA's), (Start: 342 @28621 has 5 MA's), (392, 28516), (398, 28507), (418, 28477), (419, 28474), (472, 28354), (476, 28342), (478, 28336), (518, 28231), (525, 28204), (582, 28063), (587, 28057), (588, 28054), (591, 28042), (600, 28015), (601, 28012), (612, 27997), (634, 27991), (637, 27985), (657, 27952), (725, 27823), (749, 27763), (855, 27448), (858, 27439), (859, 27436), (862, 27418), (876, 27376), (880, 27370), (884, 27361), (895, 27346), (912, 27289), (970, 27130), (982, 27100), (985, 27091), (1004, 27031), (1007, 27007), (1025, 26968), (1039, 26935), (1040, 26923), (1058, 26863),

Gene: Teodoridan_43 Start: 34199, Stop: 32412, Start Num: 254
Candidate Starts for Teodoridan_43:
(Start: 254 @34199 has 935 MA's), (391, 33986), (426, 33923), (436, 33893), (443, 33872), (449, 33866), (455, 33857), (504, 33740), (514, 33713), (591, 33620), (596, 33605), (603, 33584), (639, 33521), (641, 33518), (680, 33452), (701, 33422), (711, 33392), (734, 33347), (755, 33308), (819, 33128), (834, 33080), (847, 33041), (862, 32975), (902, 32903), (904, 32894), (935, 32810), (971, 32723), (1029, 32597), (1035, 32585), (1060, 32501), (1063, 32495),

Gene: Terrific_47 Start: 31714, Stop: 29927, Start Num: 254
Candidate Starts for Terrific_47:
(Start: 254 @31714 has 935 MA's), (386, 31510), (388, 31507), (391, 31501), (413, 31471), (426, 31438), (427, 31435), (436, 31408), (449, 31381), (474, 31330), (514, 31228), (591, 31135), (609, 31087), (618, 31078), (626, 31063), (666, 30997), (708, 30916), (732, 30868), (798, 30724), (819, 30643), (836, 30592), (846, 30559), (862, 30490), (875, 30451), (899, 30430), (902, 30418), (904, 30409), (908, 30397), (983, 30217), (985, 30211), (1003, 30175), (1007, 30151), (1041, 30073), (1060, 30016), (1065, 30004),

Gene: Texage_43 Start: 31598, Stop: 29760, Start Num: 254
Candidate Starts for Texage_43:
(Start: 254 @31598 has 935 MA's), (289, 31547), (386, 31394), (426, 31322), (436, 31292), (449, 31265), (455, 31256), (514, 31112), (591, 31016), (611, 30968), (647, 30908), (702, 30821), (719,

30776), (732, 30755), (768, 30683), (787, 30641), (798, 30599), (819, 30518), (834, 30470), (847, 30431), (855, 30395), (862, 30365), (873, 30335), (905, 30254), (920, 30215), (929, 30191), (935, 30173), (936, 30170), (985, 30044), (1007, 29984), (1043, 29897), (1060, 29849), (1065, 29837), (1071, 29828),

Gene: TforTroy_42 Start: 29677, Stop: 31542, Start Num: 254
Candidate Starts for TforTroy_42:
(Start: 254 @29677 has 935 MA's), (Start: 288 @29725 has 1 MA's), (443, 29995), (491, 30094), (596, 30280), (647, 30379), (657, 30394), (666, 30406), (732, 30532), (788, 30670), (819, 30790), (830, 30820), (847, 30877), (862, 30943), (903, 31036), (1003, 31279), (1060, 31438), (1064, 31447),

Gene: Thanksgivukkah_44 Start: 31568, Stop: 29742, Start Num: 254
Candidate Starts for Thanksgivukkah_44:
(Start: 254 @31568 has 935 MA's), (271, 31547), (289, 31517), (305, 31487), (413, 31325), (421, 31307), (426, 31292), (449, 31235), (455, 31226), (505, 31106), (514, 31082), (591, 30989), (611, 30941), (626, 30920), (647, 30881), (719, 30749), (732, 30728), (755, 30683), (759, 30671), (815, 30518), (819, 30497), (855, 30374), (862, 30344), (875, 30305), (904, 30239), (905, 30236), (910, 30221), (920, 30197), (929, 30173), (1007, 29966), (1060, 29831), (1065, 29819), (1071, 29810),

Gene: Theia_36 Start: 30392, Stop: 28533, Start Num: 254
Candidate Starts for Theia_36:
(Start: 254 @30392 has 935 MA's), (289, 30341), (334, 30281), (371, 30218), (386, 30188), (388, 30185), (422, 30128), (436, 30086), (449, 30059), (514, 29906), (591, 29810), (609, 29762), (659, 29678), (666, 29672), (706, 29600), (719, 29567), (727, 29552), (734, 29540), (783, 29441), (819, 29306), (830, 29276), (834, 29258), (836, 29255), (847, 29219), (850, 29210), (853, 29189), (856, 29180), (862, 29153), (863, 29150), (899, 29093), (904, 29072), (946, 28955), (971, 28901), (975, 28892), (985, 28874), (1018, 28796), (1053, 28703), (1060, 28679), (1065, 28667), (1116, 28550), (1118, 28547),

Gene: TheloniousMonk_46 Start: 36133, Stop: 34346, Start Num: 254
Candidate Starts for TheloniousMonk_46:
(Start: 254 @36133 has 935 MA's), (391, 35920), (400, 35905), (436, 35827), (443, 35806), (449, 35800), (455, 35791), (504, 35674), (514, 35647), (591, 35554), (596, 35539), (609, 35506), (639, 35455), (641, 35452), (675, 35398), (680, 35386), (701, 35356), (711, 35326), (734, 35281), (755, 35242), (819, 35062), (834, 35014), (847, 34975), (862, 34909), (902, 34837), (904, 34828), (935, 34744), (971, 34657), (1029, 34531), (1035, 34519), (1060, 34435), (1063, 34429),

Gene: Thompsone_39 Start: 28937, Stop: 27072, Start Num: 339
Candidate Starts for Thompsone_39:
(Start: 275 @29024 has 3 MA's), (Start: 277 @29021 has 1 MA's), (Start: 339 @28937 has 121 MA's), (Start: 342 @28928 has 5 MA's), (392, 28823), (398, 28814), (418, 28784), (419, 28781), (471, 28664), (476, 28649), (478, 28643), (518, 28538), (525, 28511), (582, 28370), (588, 28361), (591, 28349), (600, 28322), (601, 28319), (612, 28304), (634, 28298), (637, 28292), (657, 28259), (725, 28130), (749, 28070), (780, 27995), (855, 27755), (858, 27746), (859, 27743), (862, 27725), (876, 27683), (880, 27677), (884, 27668), (895, 27653), (912, 27596), (970, 27437), (982, 27407), (985, 27398), (1004, 27338), (1007, 27314), (1025, 27275), (1039, 27242), (1040, 27230), (1058, 27170),

Gene: Thonko_60 Start: 53153, Stop: 51336, Start Num: 239
Candidate Starts for Thonko_60:
(Start: 239 @53153 has 1 MA's), (Start: 258 @53135 has 2 MA's), (280, 53108), (350, 52991), (388, 52925), (511, 52664), (567, 52607), (590, 52571), (594, 52559), (609, 52523), (627, 52490), (666, 52430), (670, 52421), (671, 52418), (753, 52244), (796, 52127), (801, 52103), (814, 52058), (820, 52031), (827, 52010), (854, 51923), (856, 51917), (859, 51908), (879, 51845), (905, 51806), (907,

51800), (910, 51791), (939, 51713), (944, 51701), (950, 51680), (955, 51668), (970, 51641), (1000, 51584), (1007, 51551), (1021, 51527), (1039, 51488), (1054, 51434), (1084, 51362),

Gene: Thor_43 Start: 33796, Stop: 31970, Start Num: 254
Candidate Starts for Thor_43:
(Start: 254 @33796 has 935 MA's), (391, 33583), (400, 33568), (436, 33490), (443, 33469), (449, 33463), (455, 33454), (504, 33337), (514, 33310), (591, 33217), (596, 33202), (639, 33118), (641, 33115), (680, 33049), (701, 33019), (711, 32989), (734, 32944), (755, 32905), (819, 32725), (834, 32677), (847, 32638), (862, 32572), (875, 32533), (899, 32512), (904, 32491), (910, 32473), (935, 32407), (1003, 32257), (1004, 32254), (1012, 32218), (1034, 32185), (1038, 32173), (1052, 32125), (1060, 32098), (1071, 32077),

Gene: Thora_60 Start: 54321, Stop: 52462, Start Num: 215
Candidate Starts for Thora_60:
(Start: 198 @54345 has 1 MA's), (Start: 215 @54321 has 328 MA's), (Start: 245 @54297 has 14 MA's), (Start: 258 @54291 has 2 MA's), (Start: 288 @54249 has 1 MA's), (300, 54228), (360, 54114), (363, 54108), (382, 54078), (418, 54018), (425, 53997), (442, 53943), (454, 53931), (464, 53913), (469, 53901), (511, 53796), (567, 53739), (590, 53703), (594, 53691), (605, 53664), (620, 53637), (630, 53619), (641, 53601), (666, 53562), (670, 53553), (671, 53550), (783, 53292), (813, 53190), (820, 53157), (827, 53136), (856, 53043), (859, 53034), (881, 52971), (904, 52935), (905, 52932), (910, 52917), (939, 52839), (944, 52827), (950, 52806), (970, 52767), (1007, 52677), (1018, 52659), (1021, 52653), (1029, 52638), (1039, 52614), (1041, 52599), (1042, 52596), (1044, 52584), (1054, 52560), (1073, 52512), (1084, 52488),

Gene: Thorongil_39 Start: 28937, Stop: 27072, Start Num: 339
Candidate Starts for Thorongil_39:
(Start: 275 @29024 has 3 MA's), (Start: 277 @29021 has 1 MA's), (Start: 339 @28937 has 121 MA's), (Start: 342 @28928 has 5 MA's), (392, 28823), (398, 28814), (418, 28784), (419, 28781), (472, 28661), (476, 28649), (478, 28643), (518, 28538), (525, 28511), (582, 28370), (587, 28364), (588, 28361), (591, 28349), (600, 28322), (601, 28319), (612, 28304), (634, 28298), (637, 28292), (657, 28259), (725, 28130), (749, 28070), (855, 27755), (858, 27746), (859, 27743), (862, 27725), (876, 27683), (880, 27677), (884, 27668), (895, 27653), (912, 27596), (970, 27437), (982, 27407), (985, 27398), (1004, 27338), (1007, 27314), (1025, 27275), (1039, 27242), (1040, 27230), (1058, 27170),

Gene: ThreeOh3D2_62 Start: 54542, Stop: 52683, Start Num: 215
Candidate Starts for ThreeOh3D2_62:
(Start: 198 @54566 has 1 MA's), (Start: 215 @54542 has 328 MA's), (Start: 245 @54518 has 14 MA's), (Start: 258 @54512 has 2 MA's), (Start: 288 @54470 has 1 MA's), (300, 54449), (360, 54335), (363, 54329), (382, 54299), (418, 54239), (425, 54218), (442, 54164), (454, 54152), (464, 54134), (469, 54122), (511, 54017), (567, 53960), (590, 53924), (594, 53912), (605, 53885), (620, 53858), (630, 53840), (641, 53822), (666, 53783), (670, 53774), (671, 53771), (673, 53768), (813, 53411), (820, 53378), (827, 53357), (856, 53264), (859, 53255), (881, 53192), (904, 53156), (905, 53153), (910, 53138), (939, 53060), (944, 53048), (950, 53027), (970, 52988), (1007, 52898), (1018, 52880), (1021, 52874), (1029, 52859), (1039, 52835), (1041, 52820), (1042, 52817), (1044, 52805), (1054, 52781), (1073, 52733), (1084, 52709),

Gene: Thunderbird_60 Start: 54275, Stop: 52416, Start Num: 215
Candidate Starts for Thunderbird_60:
(Start: 198 @54299 has 1 MA's), (Start: 215 @54275 has 328 MA's), (Start: 245 @54251 has 14 MA's), (Start: 258 @54245 has 2 MA's), (Start: 288 @54203 has 1 MA's), (300, 54182), (360, 54068), (363, 54062), (382, 54032), (418, 53972), (425, 53951), (442, 53897), (454, 53885), (464, 53867), (469, 53855), (511, 53750), (567, 53693), (590, 53657), (594, 53645), (605, 53618), (630, 53573), (666, 53516), (670, 53507), (671, 53504), (813, 53144), (820, 53111), (827, 53090), (856, 52997),

(859, 52988), (881, 52925), (904, 52889), (905, 52886), (910, 52871), (939, 52793), (944, 52781), (950, 52760), (970, 52721), (1007, 52631), (1018, 52613), (1021, 52607), (1029, 52592), (1039, 52568), (1041, 52553), (1042, 52550), (1044, 52538), (1054, 52514), (1073, 52466), (1084, 52442), (1089, 52427),

Gene: Thunderclap_54 Start: 36908, Stop: 34740, Start Num: 218
Candidate Starts for Thunderclap_54:
(Start: 215 @36911 has 328 MA's), (Start: 218 @36908 has 14 MA's), (Start: 256 @36854 has 51 MA's), (309, 36770), (389, 36617), (394, 36608), (420, 36563), (447, 36485), (451, 36476), (460, 36461), (466, 36446), (468, 36443), (491, 36386), (523, 36293), (538, 36251), (625, 36056), (630, 36044), (634, 36038), (647, 36014), (659, 35993), (671, 35972), (679, 35957), (681, 35951), (713, 35888), (735, 35837), (763, 35750), (785, 35690), (798, 35642), (828, 35540), (830, 35534), (838, 35507), (839, 35504), (846, 35483), (856, 35441), (858, 35435), (863, 35411), (876, 35369), (877, 35366), (888, 35339), (901, 35306), (903, 35294), (916, 35258), (925, 35234), (927, 35228), (929, 35222), (947, 35168), (970, 35120), (971, 35117), (996, 35057), (1003, 35033), (1009, 35003), (1036, 34949), (1057, 34880), (1060, 34868), (1076, 34829),

Gene: ThursdayNight_44 Start: 30483, Stop: 32327, Start Num: 254
Candidate Starts for ThursdayNight_44:
(Start: 254 @30483 has 935 MA's), (411, 30714), (426, 30750), (516, 30966), (593, 31056), (609, 31098), (642, 31158), (657, 31179), (658, 31182), (708, 31269), (732, 31317), (753, 31356), (762, 31380), (819, 31575), (847, 31662), (860, 31719), (862, 31728), (929, 31893), (1003, 32064), (1037, 32145), (1060, 32223), (1064, 32232),

Gene: Tian_39 Start: 30363, Stop: 32228, Start Num: 254
Candidate Starts for Tian_39:
(Start: 188 @30285 has 1 MA's), (Start: 254 @30363 has 935 MA's), (Start: 288 @30411 has 1 MA's), (371, 30537), (386, 30567), (411, 30594), (415, 30600), (436, 30660), (479, 30750), (593, 30957), (596, 30966), (647, 31065), (657, 31080), (732, 31218), (788, 31356), (812, 31443), (819, 31476), (841, 31539), (847, 31563), (860, 31620), (862, 31629), (903, 31722), (929, 31794), (971, 31902), (1003, 31965), (1007, 31989), (1060, 32124), (1064, 32133),

Gene: Tiffany_48 Start: 31738, Stop: 29924, Start Num: 254
Candidate Starts for Tiffany_48:
(Start: 254 @31738 has 935 MA's), (284, 31699), (289, 31687), (386, 31534), (395, 31519), (426, 31462), (449, 31405), (455, 31396), (474, 31354), (494, 31303), (514, 31252), (591, 31159), (609, 31111), (618, 31102), (626, 31087), (647, 31048), (666, 31021), (680, 30991), (727, 30898), (758, 30838), (767, 30823), (819, 30667), (847, 30580), (862, 30514), (875, 30475), (905, 30403), (920, 30364), (929, 30340), (935, 30322), (946, 30289), (956, 30262), (985, 30208), (1007, 30148), (1041, 30070), (1060, 30013), (1065, 30001), (1071, 29992),

Gene: Tiger_37 Start: 29925, Stop: 28066, Start Num: 254
Candidate Starts for Tiger_37:
(Start: 254 @29925 has 935 MA's), (289, 29874), (334, 29814), (371, 29751), (386, 29721), (388, 29718), (422, 29661), (426, 29649), (436, 29619), (449, 29592), (514, 29439), (591, 29343), (609, 29295), (625, 29274), (659, 29211), (666, 29205), (706, 29133), (719, 29100), (727, 29085), (734, 29073), (783, 28974), (819, 28839), (830, 28809), (834, 28791), (843, 28773), (847, 28752), (850, 28743), (862, 28686), (875, 28647), (904, 28605), (910, 28587), (929, 28539), (946, 28488), (971, 28434), (975, 28425), (985, 28407), (1007, 28347), (1018, 28329), (1053, 28236), (1060, 28212), (1065, 28200), (1116, 28083), (1118, 28080),

Gene: Timmi_59 Start: 54024, Stop: 52165, Start Num: 215
Candidate Starts for Timmi_59:

(Start: 198 @54048 has 1 MA's), (Start: 215 @54024 has 328 MA's), (Start: 245 @54000 has 14 MA's), (Start: 258 @53994 has 2 MA's), (Start: 288 @53952 has 1 MA's), (300, 53931), (360, 53817), (363, 53811), (382, 53781), (418, 53721), (425, 53700), (442, 53646), (454, 53634), (464, 53616), (469, 53604), (511, 53499), (567, 53442), (590, 53406), (594, 53394), (605, 53367), (630, 53322), (666, 53265), (670, 53256), (671, 53253), (813, 52893), (820, 52860), (827, 52839), (856, 52746), (859, 52737), (881, 52674), (904, 52638), (905, 52635), (910, 52620), (939, 52542), (944, 52530), (950, 52509), (970, 52470), (1007, 52380), (1018, 52362), (1021, 52356), (1029, 52341), (1039, 52317), (1041, 52302), (1042, 52299), (1044, 52287), (1054, 52263), (1073, 52215), (1084, 52191),

Gene: Timothy_45 Start: 30689, Stop: 28902, Start Num: 254
Candidate Starts for Timothy_45:
(Start: 254 @30689 has 935 MA's), (386, 30485), (426, 30413), (436, 30383), (449, 30356), (593, 30104), (618, 30053), (666, 29972), (688, 29927), (732, 29843), (759, 29786), (786, 29744), (798, 29699), (819, 29618), (836, 29567), (847, 29531), (862, 29465), (899, 29405), (902, 29393), (938, 29291), (946, 29267), (951, 29249), (985, 29186), (1000, 29159), (1003, 29150), (1007, 29126), (1060, 28991), (1065, 28979), (1071, 28970),

Gene: Timshel_43 Start: 33330, Stop: 31495, Start Num: 254
Candidate Starts for Timshel_43:
(Start: 254 @33330 has 935 MA's), (334, 33219), (391, 33117), (416, 33081), (425, 33057), (443, 33003), (449, 32997), (463, 32976), (494, 32895), (514, 32844), (587, 32763), (591, 32748), (600, 32721), (606, 32703), (611, 32700), (626, 32679), (647, 32640), (683, 32577), (718, 32511), (719, 32508), (732, 32487), (777, 32397), (787, 32376), (798, 32334), (819, 32253), (834, 32205), (850, 32157), (855, 32130), (862, 32100), (875, 32061), (904, 31992), (905, 31989), (910, 31974), (920, 31950), (935, 31908), (985, 31779), (1000, 31752), (1007, 31719), (1018, 31701), (1035, 31668), (1060, 31584), (1065, 31572), (1071, 31563),

Gene: TinSulphur_39 Start: 28936, Stop: 27071, Start Num: 339
Candidate Starts for TinSulphur_39:
(Start: 275 @29023 has 3 MA's), (Start: 277 @29020 has 1 MA's), (Start: 339 @28936 has 121 MA's), (Start: 342 @28927 has 5 MA's), (392, 28822), (398, 28813), (418, 28783), (419, 28780), (472, 28660), (476, 28648), (478, 28642), (518, 28537), (525, 28510), (582, 28369), (587, 28363), (588, 28360), (591, 28348), (600, 28321), (601, 28318), (612, 28303), (634, 28297), (637, 28291), (657, 28258), (749, 28069), (855, 27754), (858, 27745), (859, 27742), (862, 27724), (876, 27682), (880, 27676), (884, 27667), (895, 27652), (912, 27595), (970, 27436), (982, 27406), (985, 27397), (1004, 27337), (1007, 27313), (1025, 27274), (1039, 27241), (1040, 27229), (1058, 27169),

Gene: TinaFeyge_45 Start: 31565, Stop: 29739, Start Num: 254
Candidate Starts for TinaFeyge_45:
(Start: 254 @31565 has 935 MA's), (271, 31544), (289, 31514), (305, 31484), (413, 31322), (421, 31304), (449, 31232), (455, 31223), (505, 31103), (514, 31079), (591, 30986), (611, 30938), (626, 30917), (647, 30878), (719, 30746), (732, 30725), (755, 30680), (759, 30668), (815, 30515), (819, 30494), (855, 30371), (862, 30341), (875, 30302), (904, 30236), (905, 30233), (910, 30218), (920, 30194), (929, 30170), (1007, 29963), (1060, 29828), (1065, 29816), (1071, 29807),

Gene: Tinciduntsolum_58 Start: 52640, Stop: 50811, Start Num: 215
Candidate Starts for Tinciduntsolum_58:
(Start: 215 @52640 has 328 MA's), (Start: 258 @52613 has 2 MA's), (Start: 282 @52583 has 7 MA's), (Start: 288 @52571 has 1 MA's), (Start: 304 @52544 has 2 MA's), (305, 52541), (314, 52532), (338, 52514), (388, 52418), (418, 52367), (426, 52343), (496, 52181), (503, 52166), (506, 52157), (511, 52145), (567, 52088), (590, 52052), (594, 52040), (603, 52016), (652, 51932), (670, 51902), (671, 51899), (684, 51869), (753, 51725), (778, 51659), (792, 51620), (796, 51608), (800, 51587), (806, 51569), (820, 51512), (844, 51455), (850, 51428), (856, 51398), (859, 51389), (879, 51323), (902,

51296), (904, 51287), (910, 51269), (920, 51245), (939, 51191), (944, 51179), (950, 51158), (985, 51089), (1007, 51029), (1018, 51011), (1035, 50978), (1039, 50966), (1041, 50951), (1042, 50948), (1044, 50936), (1054, 50912), (1055, 50909), (1073, 50861), (1075, 50858), (1084, 50837), (1091, 50816),

Gene: TinyPebbles_47 Start: 31886, Stop: 30072, Start Num: 254
Candidate Starts for TinyPebbles_47:
(Start: 254 @31886 has 935 MA's), (284, 31847), (289, 31835), (386, 31682), (395, 31667), (426, 31610), (449, 31553), (455, 31544), (474, 31502), (494, 31451), (514, 31400), (568, 31346), (591, 31307), (609, 31259), (626, 31235), (647, 31196), (666, 31169), (680, 31139), (727, 31046), (734, 31034), (758, 30986), (767, 30971), (819, 30815), (836, 30764), (846, 30731), (847, 30728), (862, 30662), (875, 30623), (905, 30551), (920, 30512), (929, 30488), (935, 30470), (946, 30437), (985, 30356), (1007, 30296), (1043, 30209), (1060, 30161), (1065, 30149), (1071, 30140), (1073, 30137),

Gene: TinyTerror_59 Start: 54114, Stop: 52294, Start Num: 254
Candidate Starts for TinyTerror_59:
(Start: 254 @54114 has 935 MA's), (280, 54081), (463, 53748), (467, 53736), (481, 53706), (489, 53700), (511, 53637), (513, 53631), (567, 53580), (590, 53544), (609, 53496), (671, 53391), (718, 53295), (747, 53244), (796, 53100), (806, 53061), (814, 53031), (820, 53004), (824, 52992), (854, 52896), (856, 52890), (859, 52881), (861, 52869), (893, 52797), (904, 52767), (910, 52749), (915, 52740), (939, 52671), (944, 52659), (950, 52638), (985, 52569), (996, 52554), (1004, 52530), (1007, 52509), (1018, 52491), (1021, 52485), (1037, 52452), (1039, 52446), (1042, 52428), (1044, 52416), (1050, 52404), (1054, 52392), (1070, 52350), (1084, 52320),

Gene: TinyTimmy_45 Start: 30732, Stop: 28945, Start Num: 254
Candidate Starts for TinyTimmy_45:
(Start: 254 @30732 has 935 MA's), (386, 30528), (426, 30456), (436, 30426), (449, 30399), (593, 30147), (618, 30096), (666, 30015), (688, 29970), (732, 29886), (759, 29829), (786, 29787), (798, 29742), (819, 29661), (836, 29610), (847, 29574), (862, 29508), (899, 29448), (902, 29436), (938, 29334), (946, 29310), (951, 29292), (985, 29229), (1000, 29202), (1003, 29193), (1007, 29169), (1060, 29034), (1065, 29022), (1071, 29013),

Gene: Tinybot_44 Start: 31597, Stop: 29771, Start Num: 254
Candidate Starts for Tinybot_44:
(Start: 254 @31597 has 935 MA's), (271, 31576), (289, 31546), (305, 31516), (413, 31354), (421, 31336), (449, 31264), (455, 31255), (505, 31135), (514, 31111), (591, 31018), (611, 30970), (626, 30949), (647, 30910), (719, 30778), (732, 30757), (755, 30712), (759, 30700), (815, 30547), (819, 30526), (855, 30403), (862, 30373), (875, 30334), (904, 30268), (905, 30265), (910, 30250), (920, 30226), (929, 30202), (1007, 29995), (1060, 29860), (1065, 29848), (1071, 29839),

Gene: Tinyman4_37 Start: 27313, Stop: 25415, Start Num: 335
Candidate Starts for Tinyman4_37:
(18, 28051), (19, 28045), (73, 27790), (301, 27364), (Start: 335 @27313 has 20 MA's), (362, 27250), (392, 27199), (418, 27160), (438, 27103), (469, 27046), (472, 27037), (476, 27025), (478, 27019), (494, 26974), (496, 26968), (533, 26866), (544, 26821), (582, 26746), (588, 26737), (591, 26725), (601, 26695), (634, 26674), (639, 26662), (654, 26638), (733, 26488), (817, 26227), (850, 26125), (853, 26104), (862, 26068), (874, 26032), (876, 26026), (912, 25939), (918, 25912), (970, 25780), (985, 25741), (991, 25720), (1004, 25681), (1007, 25657), (1009, 25651), (1022, 25624), (1058, 25513),

Gene: TipsytheTRex_42 Start: 30574, Stop: 28787, Start Num: 254
Candidate Starts for TipsytheTRex_42:

(Start: 254 @30574 has 935 MA's), (386, 30370), (388, 30367), (391, 30361), (402, 30346), (413, 30331), (426, 30298), (436, 30268), (449, 30241), (463, 30220), (474, 30190), (514, 30088), (591, 29995), (609, 29947), (618, 29938), (626, 29923), (666, 29857), (708, 29776), (732, 29728), (755, 29683), (819, 29503), (834, 29455), (836, 29452), (847, 29416), (862, 29350), (875, 29311), (899, 29290), (925, 29215), (931, 29197), (946, 29152), (956, 29125), (975, 29089), (985, 29071), (1003, 29035), (1007, 29011), (1041, 28933), (1060, 28876), (1065, 28864), (1071, 28855), (1073, 28852),

Gene: TiroTheta9_45 Start: 31564, Stop: 29738, Start Num: 254
Candidate Starts for TiroTheta9_45:
(Start: 254 @31564 has 935 MA's), (271, 31543), (289, 31513), (305, 31483), (413, 31321), (421, 31303), (449, 31231), (455, 31222), (505, 31102), (514, 31078), (591, 30985), (611, 30937), (626, 30916), (647, 30877), (719, 30745), (732, 30724), (755, 30679), (759, 30667), (815, 30514), (819, 30493), (855, 30370), (862, 30340), (875, 30301), (904, 30235), (905, 30232), (910, 30217), (920, 30193), (929, 30169), (1007, 29962), (1060, 29827), (1065, 29815), (1071, 29806),

Gene: Toaka_44 Start: 30969, Stop: 29176, Start Num: 253
Candidate Starts for Toaka_44:
(Start: 253 @30969 has 33 MA's), (261, 30960), (369, 30798), (371, 30795), (386, 30765), (407, 30732), (427, 30687), (436, 30660), (441, 30645), (449, 30633), (474, 30582), (505, 30504), (514, 30480), (591, 30387), (618, 30330), (680, 30219), (728, 30123), (785, 30021), (787, 30015), (819, 29892), (850, 29796), (855, 29769), (859, 29757), (862, 29739), (904, 29658), (946, 29541), (1003, 29424), (1060, 29265), (1065, 29253),

Gene: Todacoro_44 Start: 31597, Stop: 29759, Start Num: 254
Candidate Starts for Todacoro_44:
(Start: 254 @31597 has 935 MA's), (289, 31546), (386, 31393), (426, 31321), (436, 31291), (449, 31264), (455, 31255), (514, 31111), (591, 31015), (611, 30967), (647, 30907), (702, 30820), (719, 30775), (732, 30754), (768, 30682), (787, 30640), (798, 30598), (819, 30517), (834, 30469), (847, 30430), (855, 30394), (862, 30364), (873, 30334), (905, 30253), (920, 30214), (929, 30190), (935, 30172), (936, 30169), (985, 30043), (1007, 29983), (1043, 29896), (1060, 29848), (1065, 29836), (1071, 29827),

Gene: Tolls_44 Start: 32396, Stop: 30009, Start Num: 57
Candidate Starts for Tolls_44:
(31, 32468), (33, 32453), (Start: 57 @32396 has 26 MA's), (61, 32387), (63, 32381), (93, 32300), (139, 32180), (165, 32129), (Start: 277 @31997 has 1 MA's), (294, 31970), (346, 31877), (367, 31832), (417, 31754), (434, 31706), (459, 31652), (461, 31649), (469, 31631), (476, 31610), (494, 31559), (497, 31550), (498, 31547), (525, 31472), (537, 31427), (562, 31367), (569, 31352), (611, 31268), (668, 31223), (684, 31199), (706, 31193), (716, 31169), (753, 31091), (754, 31088), (755, 31085), (807, 30938), (825, 30869), (853, 30770), (862, 30734), (874, 30698), (876, 30692), (880, 30686), (883, 30680), (897, 30656), (905, 30623), (912, 30599), (925, 30554), (945, 30494), (1004, 30341), (1012, 30302), (1013, 30299), (1058, 30173), (1072, 30128), (1076, 30119),

Gene: TomBombadil_60 Start: 54309, Stop: 52450, Start Num: 215
Candidate Starts for TomBombadil_60:
(Start: 198 @54333 has 1 MA's), (Start: 215 @54309 has 328 MA's), (Start: 245 @54285 has 14 MA's), (Start: 258 @54279 has 2 MA's), (Start: 288 @54237 has 1 MA's), (300, 54216), (360, 54102), (363, 54096), (382, 54066), (418, 54006), (425, 53985), (442, 53931), (454, 53919), (464, 53901), (469, 53889), (511, 53784), (567, 53727), (590, 53691), (594, 53679), (605, 53652), (620, 53625), (630, 53607), (641, 53589), (666, 53550), (670, 53541), (671, 53538), (783, 53280), (813, 53178), (820, 53145), (827, 53124), (856, 53031), (859, 53022), (881, 52959), (904, 52923), (905, 52920), (910, 52905), (939, 52827), (944, 52815), (950, 52794), (970, 52755), (1007, 52665), (1018, 52647), (1021, 52641), (1029, 52626), (1039, 52602), (1041, 52587), (1042, 52584), (1044, 52572), (1054,

52548), (1073, 52500), (1084, 52476),

Gene: Tomathan_47 Start: 31153, Stop: 29330, Start Num: 254
Candidate Starts for Tomathan_47:
(Start: 254 @31153 has 935 MA's), (386, 30949), (400, 30925), (413, 30907), (421, 30889), (426, 30874), (427, 30871), (436, 30844), (449, 30817), (474, 30766), (514, 30664), (591, 30571), (609, 30523), (618, 30514), (625, 30502), (626, 30499), (666, 30433), (701, 30373), (755, 30259), (767, 30235), (786, 30196), (819, 30070), (836, 30019), (847, 29983), (862, 29917), (875, 29878), (905, 29809), (920, 29770), (936, 29725), (946, 29695), (975, 29632), (983, 29620), (985, 29614), (1007, 29554), (1060, 29419), (1065, 29407), (1071, 29398),

Gene: Tomlarah_61 Start: 54878, Stop: 53019, Start Num: 215
Candidate Starts for Tomlarah_61:
(Start: 198 @54902 has 1 MA's), (Start: 215 @54878 has 328 MA's), (Start: 245 @54854 has 14 MA's), (Start: 258 @54848 has 2 MA's), (Start: 288 @54806 has 1 MA's), (300, 54785), (360, 54671), (363, 54665), (382, 54635), (418, 54575), (425, 54554), (442, 54500), (454, 54488), (464, 54470), (469, 54458), (511, 54353), (567, 54296), (590, 54260), (594, 54248), (605, 54221), (620, 54194), (630, 54176), (641, 54158), (666, 54119), (670, 54110), (671, 54107), (783, 53849), (813, 53747), (820, 53714), (827, 53693), (856, 53600), (859, 53591), (881, 53528), (904, 53492), (905, 53489), (910, 53474), (939, 53396), (944, 53384), (950, 53363), (970, 53324), (1007, 53234), (1018, 53216), (1021, 53210), (1029, 53195), (1039, 53171), (1041, 53156), (1042, 53153), (1044, 53141), (1054, 53117), (1073, 53069), (1084, 53045),

Gene: ToneTone_42 Start: 29354, Stop: 27513, Start Num: 254
Candidate Starts for ToneTone_42:
(Start: 229 @29384 has 1 MA's), (Start: 254 @29354 has 935 MA's), (386, 29150), (426, 29075), (427, 29072), (436, 29045), (441, 29030), (449, 29018), (474, 28967), (510, 28877), (514, 28865), (591, 28772), (605, 28733), (618, 28715), (626, 28700), (666, 28634), (681, 28601), (683, 28598), (735, 28496), (767, 28436), (798, 28352), (819, 28271), (846, 28187), (847, 28184), (850, 28175), (855, 28148), (862, 28118), (899, 28058), (910, 28019), (1003, 27803), (1004, 27800), (1007, 27779), (1060, 27644), (1065, 27632), (1071, 27623), (1073, 27620), (1111, 27527),

Gene: Toni_60 Start: 54471, Stop: 52612, Start Num: 215
Candidate Starts for Toni_60:
(Start: 198 @54495 has 1 MA's), (Start: 215 @54471 has 328 MA's), (Start: 245 @54447 has 14 MA's), (Start: 258 @54441 has 2 MA's), (Start: 288 @54399 has 1 MA's), (300, 54378), (360, 54264), (363, 54258), (382, 54228), (418, 54168), (425, 54147), (442, 54093), (454, 54081), (464, 54063), (469, 54051), (511, 53946), (567, 53889), (590, 53853), (594, 53841), (605, 53814), (620, 53787), (630, 53769), (641, 53751), (666, 53712), (670, 53703), (671, 53700), (673, 53697), (813, 53340), (820, 53307), (827, 53286), (856, 53193), (859, 53184), (881, 53121), (904, 53085), (905, 53082), (910, 53067), (939, 52989), (944, 52977), (950, 52956), (970, 52917), (1007, 52827), (1018, 52809), (1021, 52803), (1029, 52788), (1039, 52764), (1041, 52749), (1042, 52746), (1044, 52734), (1054, 52710), (1073, 52662), (1084, 52638),

Gene: TooFast2Furius_60 Start: 54290, Stop: 52431, Start Num: 215
Candidate Starts for TooFast2Furius_60:
(Start: 198 @54314 has 1 MA's), (Start: 215 @54290 has 328 MA's), (Start: 245 @54266 has 14 MA's), (Start: 258 @54260 has 2 MA's), (Start: 288 @54218 has 1 MA's), (300, 54197), (360, 54083), (363, 54077), (382, 54047), (418, 53987), (425, 53966), (442, 53912), (454, 53900), (464, 53882), (469, 53870), (511, 53765), (567, 53708), (590, 53672), (594, 53660), (605, 53633), (620, 53606), (630, 53588), (641, 53570), (666, 53531), (670, 53522), (671, 53519), (813, 53159), (820, 53126), (827, 53105), (856, 53012), (859, 53003), (881, 52940), (904, 52904), (905, 52901), (910, 52886), (939, 52808), (944, 52796), (950, 52775), (970, 52736), (1007, 52646), (1018, 52628), (1021, 52622),

(1029, 52607), (1039, 52583), (1041, 52568), (1042, 52565), (1044, 52553), (1054, 52529), (1073, 52481), (1084, 52457),

Gene: Tooj_59 Start: 53694, Stop: 51835, Start Num: 215
Candidate Starts for Tooj_59:
(Start: 198 @53718 has 1 MA's), (Start: 215 @53694 has 328 MA's), (Start: 245 @53670 has 14 MA's), (Start: 258 @53664 has 2 MA's), (Start: 288 @53622 has 1 MA's), (300, 53601), (360, 53487), (363, 53481), (382, 53451), (418, 53391), (425, 53370), (442, 53316), (454, 53304), (464, 53286), (469, 53274), (511, 53169), (567, 53112), (590, 53076), (594, 53064), (605, 53037), (609, 53028), (630, 52992), (666, 52935), (670, 52926), (671, 52923), (673, 52920), (813, 52563), (820, 52530), (827, 52509), (856, 52416), (859, 52407), (881, 52344), (904, 52308), (905, 52305), (910, 52290), (939, 52212), (944, 52200), (950, 52179), (970, 52140), (1007, 52050), (1018, 52032), (1021, 52026), (1029, 52011), (1039, 51987), (1041, 51972), (1042, 51969), (1044, 51957), (1054, 51933), (1073, 51885), (1084, 51861),

Gene: Topanga_42 Start: 31142, Stop: 29307, Start Num: 254
Candidate Starts for Topanga_42:
(Start: 254 @31142 has 935 MA's), (289, 31091), (338, 31025), (386, 30938), (400, 30914), (422, 30878), (426, 30866), (449, 30809), (455, 30800), (491, 30716), (505, 30680), (510, 30668), (514, 30656), (591, 30563), (611, 30515), (647, 30455), (666, 30428), (718, 30326), (719, 30323), (732, 30302), (734, 30296), (787, 30188), (819, 30065), (834, 30017), (855, 29942), (862, 29912), (873, 29882), (875, 29873), (904, 29804), (905, 29801), (920, 29762), (929, 29738), (931, 29732), (935, 29720), (1007, 29531), (1021, 29507), (1043, 29444), (1060, 29396), (1065, 29384), (1071, 29375),

Gene: Topgun_44 Start: 34288, Stop: 32462, Start Num: 254
Candidate Starts for Topgun_44:
(Start: 254 @34288 has 935 MA's), (391, 34075), (400, 34060), (426, 34012), (436, 33982), (443, 33961), (449, 33955), (455, 33946), (504, 33829), (514, 33802), (591, 33709), (596, 33694), (639, 33610), (641, 33607), (680, 33541), (701, 33511), (711, 33481), (734, 33436), (755, 33397), (819, 33217), (834, 33169), (847, 33130), (862, 33064), (875, 33025), (899, 33004), (904, 32983), (910, 32965), (935, 32899), (1003, 32749), (1004, 32746), (1012, 32710), (1029, 32686), (1034, 32677), (1038, 32665), (1052, 32617), (1060, 32590), (1071, 32569),

Gene: Toro_45 Start: 33412, Stop: 31577, Start Num: 254
Candidate Starts for Toro_45:
(Start: 254 @33412 has 935 MA's), (271, 33391), (334, 33301), (416, 33163), (443, 33085), (449, 33079), (514, 32926), (588, 32842), (591, 32830), (606, 32785), (611, 32782), (647, 32722), (678, 32671), (683, 32659), (732, 32569), (755, 32524), (787, 32455), (798, 32413), (815, 32353), (819, 32332), (834, 32284), (850, 32236), (855, 32209), (856, 32206), (862, 32179), (875, 32140), (905, 32071), (920, 32032), (935, 31990), (936, 31987), (946, 31957), (985, 31861), (1000, 31834), (1012, 31786), (1018, 31783), (1060, 31666), (1065, 31654), (1071, 31645),

Gene: Tote_40 Start: 31416, Stop: 29587, Start Num: 254
Candidate Starts for Tote_40:
(Start: 254 @31416 has 935 MA's), (391, 31203), (400, 31188), (426, 31140), (436, 31110), (443, 31089), (449, 31083), (455, 31074), (504, 30957), (514, 30930), (591, 30837), (596, 30822), (603, 30801), (639, 30738), (641, 30735), (680, 30669), (701, 30639), (711, 30609), (734, 30564), (755, 30525), (819, 30345), (834, 30297), (850, 30249), (859, 30210), (862, 30192), (875, 30153), (899, 30132), (904, 30111), (909, 30096), (953, 29973), (1035, 29802), (1040, 29778), (1057, 29730), (1060, 29718), (1071, 29697), (1075, 29691), (1094, 29643), (1101, 29628),

Gene: TraderJ_54 Start: 47973, Stop: 46156, Start Num: 251
Candidate Starts for TraderJ_54:

(Start: 251 @47973 has 15 MA's), (Start: 258 @47964 has 2 MA's), (280, 47937), (287, 47925), (300, 47901), (305, 47892), (409, 47718), (437, 47643), (477, 47568), (511, 47490), (567, 47433), (590, 47397), (594, 47385), (603, 47361), (658, 47268), (671, 47244), (679, 47226), (796, 46953), (806, 46914), (814, 46884), (820, 46857), (854, 46749), (856, 46743), (859, 46734), (902, 46644), (904, 46635), (905, 46632), (910, 46617), (939, 46539), (944, 46527), (945, 46521), (950, 46506), (974, 46458), (1000, 46410), (1007, 46377), (1021, 46353), (1039, 46314), (1041, 46299), (1054, 46254), (1084, 46182),

Gene: Traft412_45 Start: 35231, Stop: 33405, Start Num: 254
Candidate Starts for Traft412_45:
(Start: 254 @35231 has 935 MA's), (391, 35018), (400, 35003), (436, 34925), (443, 34904), (449, 34898), (455, 34889), (504, 34772), (514, 34745), (591, 34652), (596, 34637), (603, 34616), (639, 34553), (641, 34550), (675, 34496), (680, 34484), (701, 34454), (711, 34424), (734, 34379), (755, 34340), (819, 34160), (834, 34112), (847, 34073), (862, 34007), (875, 33968), (899, 33947), (904, 33926), (910, 33908), (935, 33842), (1003, 33692), (1004, 33689), (1012, 33653), (1029, 33629), (1034, 33620), (1038, 33608), (1043, 33581), (1060, 33533), (1071, 33512),

Gene: Travvers_47 Start: 31153, Stop: 29330, Start Num: 254
Candidate Starts for Travvers_47:
(Start: 254 @31153 has 935 MA's), (386, 30949), (400, 30925), (413, 30907), (421, 30889), (426, 30874), (427, 30871), (436, 30844), (449, 30817), (474, 30766), (514, 30664), (591, 30571), (609, 30523), (618, 30514), (625, 30502), (626, 30499), (666, 30433), (701, 30373), (755, 30259), (767, 30235), (786, 30196), (819, 30070), (836, 30019), (847, 29983), (862, 29917), (875, 29878), (905, 29809), (920, 29770), (936, 29725), (946, 29695), (975, 29632), (985, 29614), (1007, 29554), (1060, 29419), (1065, 29407), (1071, 29398),

Gene: Treddle_46 Start: 35746, Stop: 33920, Start Num: 254
Candidate Starts for Treddle_46:
(Start: 254 @35746 has 935 MA's), (391, 35533), (400, 35518), (426, 35470), (436, 35440), (443, 35419), (449, 35413), (455, 35404), (504, 35287), (514, 35260), (591, 35167), (596, 35152), (639, 35068), (641, 35065), (680, 34999), (701, 34969), (711, 34939), (734, 34894), (755, 34855), (819, 34675), (834, 34627), (847, 34588), (862, 34522), (904, 34441), (905, 34438), (935, 34357), (1003, 34207), (1004, 34204), (1012, 34168), (1029, 34144), (1034, 34135), (1038, 34123), (1060, 34048), (1071, 34027),

Gene: Tres_57 Start: 52494, Stop: 50665, Start Num: 215
Candidate Starts for Tres_57:
(Start: 215 @52494 has 328 MA's), (Start: 258 @52467 has 2 MA's), (Start: 282 @52437 has 7 MA's), (Start: 288 @52425 has 1 MA's), (Start: 304 @52398 has 2 MA's), (305, 52395), (314, 52386), (338, 52368), (388, 52272), (418, 52221), (426, 52197), (496, 52035), (506, 52011), (511, 51999), (567, 51942), (590, 51906), (594, 51894), (603, 51870), (652, 51786), (670, 51756), (671, 51753), (684, 51723), (753, 51579), (778, 51513), (792, 51474), (796, 51462), (800, 51441), (806, 51423), (820, 51366), (844, 51309), (850, 51282), (856, 51252), (859, 51243), (879, 51177), (902, 51150), (904, 51141), (910, 51123), (920, 51099), (939, 51045), (944, 51033), (950, 51012), (985, 50943), (1007, 50883), (1018, 50865), (1035, 50832), (1039, 50820), (1041, 50805), (1042, 50802), (1044, 50790), (1054, 50766), (1055, 50763), (1073, 50715), (1075, 50712), (1084, 50691), (1091, 50670),

Gene: Triad_62 Start: 53479, Stop: 51620, Start Num: 215
Candidate Starts for Triad_62:
(44, 53875), (72, 53788), (78, 53773), (83, 53767), (88, 53752), (94, 53734), (Start: 198 @53503 has 1 MA's), (Start: 215 @53479 has 328 MA's), (Start: 245 @53455 has 14 MA's), (Start: 258 @53449 has 2 MA's), (Start: 288 @53407 has 1 MA's), (300, 53386), (360, 53272), (363, 53266), (382, 53236), (418, 53176), (425, 53155), (442, 53101), (454, 53089), (469, 53059), (511, 52954), (567, 52897),

(590, 52861), (594, 52849), (605, 52822), (609, 52813), (630, 52777), (641, 52759), (666, 52720), (670, 52711), (671, 52708), (813, 52348), (820, 52315), (827, 52294), (856, 52201), (859, 52192), (881, 52129), (904, 52093), (905, 52090), (910, 52075), (939, 51997), (944, 51985), (950, 51964), (970, 51925), (1007, 51835), (1018, 51817), (1021, 51811), (1029, 51796), (1039, 51772), (1041, 51757), (1042, 51754), (1044, 51742), (1054, 51718), (1073, 51670), (1084, 51646),

Gene: Trike_42 Start: 30393, Stop: 28561, Start Num: 254
Candidate Starts for Trike_42:
(Start: 254 @30393 has 935 MA's), (289, 30342), (338, 30276), (386, 30189), (391, 30180), (422, 30129), (426, 30117), (449, 30060), (488, 29979), (491, 29967), (494, 29958), (505, 29931), (514, 29907), (591, 29814), (605, 29775), (647, 29706), (666, 29679), (734, 29547), (819, 29319), (843, 29253), (855, 29196), (862, 29166), (875, 29127), (905, 29055), (910, 29040), (920, 29016), (935, 28974), (946, 28941), (1007, 28785), (1021, 28761), (1043, 28698), (1060, 28650), (1065, 28638), (1071, 28629),

Gene: Trine_42 Start: 34854, Stop: 32935, Start Num: 178
Candidate Starts for Trine_42:
(Start: 178 @34854 has 1 MA's), (209, 34812), (225, 34788), (247, 34758), (Start: 282 @34722 has 7 MA's), (Start: 288 @34710 has 1 MA's), (305, 34680), (385, 34560), (419, 34500), (433, 34455), (442, 34428), (469, 34389), (474, 34377), (497, 34326), (511, 34293), (550, 34260), (566, 34242), (590, 34203), (636, 34107), (654, 34080), (666, 34062), (671, 34050), (684, 34020), (775, 33816), (796, 33747), (803, 33717), (806, 33708), (813, 33684), (820, 33651), (850, 33570), (856, 33540), (894, 33450), (904, 33429), (905, 33426), (910, 33411), (920, 33387), (939, 33333), (944, 33321), (971, 33258), (994, 33204), (1000, 33186), (1042, 33072), (1054, 33036), (1073, 32985), (1084, 32961), (1091, 32940),

Gene: Tripl3t_45 Start: 35417, Stop: 33591, Start Num: 254
Candidate Starts for Tripl3t_45:
(Start: 254 @35417 has 935 MA's), (391, 35204), (400, 35189), (426, 35141), (436, 35111), (443, 35090), (449, 35084), (455, 35075), (504, 34958), (514, 34931), (591, 34838), (596, 34823), (609, 34790), (639, 34739), (641, 34736), (680, 34670), (701, 34640), (711, 34610), (734, 34565), (755, 34526), (819, 34346), (834, 34298), (847, 34259), (862, 34193), (875, 34154), (899, 34133), (904, 34112), (910, 34094), (935, 34028), (1003, 33878), (1004, 33875), (1012, 33839), (1029, 33815), (1034, 33806), (1038, 33794), (1060, 33719), (1071, 33698),

Gene: TripleC_42 Start: 31922, Stop: 30141, Start Num: 245
Candidate Starts for TripleC_42:
(Start: 149 @32069 has 1 MA's), (154, 32054), (173, 32027), (Start: 245 @31922 has 14 MA's), (278, 31883), (300, 31841), (328, 31799), (356, 31751), (438, 31607), (467, 31559), (474, 31541), (506, 31478), (509, 31472), (517, 31448), (591, 31379), (632, 31298), (647, 31271), (657, 31256), (692, 31193), (721, 31136), (736, 31106), (755, 31070), (759, 31058), (774, 31034), (815, 30920), (819, 30899), (822, 30893), (830, 30869), (835, 30848), (851, 30797), (856, 30773), (862, 30746), (875, 30707), (932, 30563), (946, 30521), (948, 30515), (956, 30494), (979, 30440), (984, 30425), (1008, 30359), (1037, 30302), (1041, 30281), (1042, 30278), (1045, 30260), (1054, 30245), (1093, 30152),

Gene: Triscuit_70 Start: 43915, Stop: 46587, Start Num: 36
Candidate Starts for Triscuit_70:
(Start: 36 @43915 has 2 MA's), (61, 44005), (62, 44008), (63, 44011), (86, 44071), (213, 44317), (Start: 337 @44494 has 44 MA's), (Start: 342 @44506 has 5 MA's), (359, 44551), (366, 44566), (379, 44593), (429, 44692), (438, 44722), (459, 44761), (476, 44803), (496, 44860), (503, 44875), (529, 44929), (569, 45040), (633, 45181), (644, 45205), (720, 45355), (722, 45358), (730, 45376), (750, 45433), (774, 45493), (793, 45553), (848, 45748), (862, 45811), (887, 45874), (912, 45949), (937, 46030), (947, 46060), (974, 46120), (991, 46168), (1004, 46207), (1008, 46234), (1011, 46243), (1038,

46306), (1039, 46309), (1058, 46381), (1060, 46390), (1069, 46420), (1110, 46528), (1117, 46546), (1120, 46564),

Gene: Tristan_44 Start: 32429, Stop: 30639, Start Num: 254
Candidate Starts for Tristan_44:
(Start: 254 @32429 has 935 MA's), (386, 32225), (391, 32216), (427, 32147), (436, 32120), (449, 32093), (514, 31940), (587, 31862), (591, 31847), (609, 31799), (618, 31790), (626, 31775), (666, 31709), (681, 31676), (725, 31592), (767, 31511), (786, 31481), (819, 31355), (830, 31325), (836, 31304), (855, 31232), (862, 31202), (875, 31163), (899, 31142), (904, 31121), (908, 31109), (975, 30941), (983, 30929), (1003, 30887), (1007, 30863), (1037, 30806), (1041, 30785), (1043, 30776), (1060, 30728), (1065, 30716), (1071, 30707),

Gene: Trixie_44 Start: 31811, Stop: 30024, Start Num: 254
Candidate Starts for Trixie_44:
(Start: 254 @31811 has 935 MA's), (388, 31604), (391, 31598), (402, 31583), (413, 31568), (427, 31532), (436, 31505), (449, 31478), (463, 31457), (474, 31427), (514, 31325), (591, 31232), (609, 31184), (618, 31175), (626, 31160), (666, 31094), (732, 30965), (819, 30740), (836, 30689), (846, 30656), (847, 30653), (862, 30587), (875, 30548), (899, 30527), (925, 30452), (929, 30440), (931, 30434), (975, 30326), (1003, 30272), (1007, 30248), (1037, 30191), (1041, 30170), (1060, 30113), (1065, 30101), (1073, 30089),

Gene: Troje_45 Start: 32853, Stop: 30463, Start Num: 45
Candidate Starts for Troje_45:
(Start: 45 @32853 has 21 MA's), (80, 32790), (87, 32772), (93, 32757), (115, 32703), (118, 32691), (124, 32670), (139, 32637), (152, 32610), (165, 32586), (201, 32559), (Start: 277 @32454 has 1 MA's), (307, 32406), (367, 32289), (417, 32208), (427, 32181), (434, 32160), (459, 32106), (461, 32103), (469, 32085), (476, 32064), (497, 32004), (569, 31806), (591, 31764), (668, 31677), (684, 31653), (706, 31647), (730, 31593), (733, 31587), (753, 31545), (754, 31542), (755, 31539), (807, 31392), (816, 31350), (825, 31323), (841, 31281), (862, 31188), (874, 31152), (876, 31146), (880, 31140), (883, 31134), (897, 31110), (905, 31077), (912, 31053), (925, 31008), (979, 30873), (1057, 30630), (1058, 30627), (1072, 30582), (1076, 30573), (1101, 30513),

Gene: Trooper_45 Start: 31579, Stop: 29792, Start Num: 253
Candidate Starts for Trooper_45:
(Start: 253 @31579 has 33 MA's), (388, 31372), (391, 31366), (402, 31351), (413, 31336), (426, 31303), (427, 31300), (436, 31273), (449, 31246), (455, 31237), (514, 31093), (517, 31084), (591, 31000), (609, 30952), (618, 30943), (626, 30928), (666, 30862), (708, 30781), (732, 30733), (734, 30727), (798, 30589), (819, 30508), (846, 30424), (847, 30421), (862, 30355), (875, 30316), (899, 30295), (925, 30220), (929, 30208), (975, 30094), (983, 30082), (985, 30076), (1003, 30040), (1007, 30016), (1037, 29959), (1041, 29938), (1060, 29881), (1065, 29869),

Gene: Trouble_46 Start: 35902, Stop: 34073, Start Num: 254
Candidate Starts for Trouble_46:
(Start: 254 @35902 has 935 MA's), (400, 35674), (436, 35596), (443, 35575), (449, 35569), (455, 35560), (504, 35443), (514, 35416), (591, 35323), (596, 35308), (609, 35275), (639, 35224), (641, 35221), (680, 35155), (701, 35125), (711, 35095), (734, 35050), (755, 35011), (819, 34831), (834, 34783), (850, 34735), (859, 34696), (862, 34678), (875, 34639), (899, 34618), (904, 34597), (909, 34582), (953, 34459), (1012, 34324), (1035, 34288), (1040, 34264), (1057, 34216), (1060, 34204), (1071, 34183), (1075, 34177), (1094, 34129), (1101, 34114),

Gene: TroyPia_46 Start: 31568, Stop: 29742, Start Num: 254
Candidate Starts for TroyPia_46:

(Start: 254 @31568 has 935 MA's), (271, 31547), (289, 31517), (305, 31487), (413, 31325), (421, 31307), (449, 31235), (455, 31226), (505, 31106), (514, 31082), (591, 30989), (611, 30941), (626, 30920), (647, 30881), (719, 30749), (732, 30728), (755, 30683), (759, 30671), (815, 30518), (819, 30497), (855, 30374), (862, 30344), (875, 30305), (904, 30239), (905, 30236), (910, 30221), (920, 30197), (929, 30173), (1007, 29966), (1060, 29831), (1065, 29819), (1071, 29810),

Gene: True_59 Start: 54034, Stop: 52175, Start Num: 215
Candidate Starts for True_59:
(Start: 198 @54058 has 1 MA's), (Start: 215 @54034 has 328 MA's), (Start: 245 @54010 has 14 MA's), (Start: 258 @54004 has 2 MA's), (Start: 288 @53962 has 1 MA's), (300, 53941), (360, 53827), (363, 53821), (382, 53791), (418, 53731), (425, 53710), (442, 53656), (454, 53644), (464, 53626), (469, 53614), (511, 53509), (567, 53452), (590, 53416), (594, 53404), (603, 53380), (609, 53368), (620, 53350), (630, 53332), (641, 53314), (666, 53275), (670, 53266), (671, 53263), (673, 53260), (813, 52903), (820, 52870), (827, 52849), (856, 52756), (859, 52747), (881, 52684), (904, 52648), (905, 52645), (910, 52630), (939, 52552), (944, 52540), (950, 52519), (970, 52480), (1007, 52390), (1018, 52372), (1021, 52366), (1029, 52351), (1039, 52327), (1041, 52312), (1042, 52309), (1044, 52297), (1054, 52273), (1073, 52225), (1084, 52201),

Gene: Trypo_63 Start: 54706, Stop: 52847, Start Num: 215
Candidate Starts for Trypo_63:
(Start: 198 @54730 has 1 MA's), (Start: 215 @54706 has 328 MA's), (Start: 245 @54682 has 14 MA's), (Start: 258 @54676 has 2 MA's), (Start: 288 @54634 has 1 MA's), (300, 54613), (360, 54499), (363, 54493), (382, 54463), (418, 54403), (425, 54382), (442, 54328), (454, 54316), (464, 54298), (469, 54286), (511, 54181), (567, 54124), (590, 54088), (594, 54076), (603, 54052), (609, 54040), (620, 54022), (630, 54004), (641, 53986), (666, 53947), (670, 53938), (671, 53935), (673, 53932), (783, 53677), (813, 53575), (820, 53542), (827, 53521), (856, 53428), (859, 53419), (881, 53356), (904, 53320), (905, 53317), (910, 53302), (939, 53224), (944, 53212), (950, 53191), (970, 53152), (1007, 53062), (1018, 53044), (1021, 53038), (1029, 53023), (1039, 52999), (1041, 52984), (1042, 52981), (1044, 52969), (1054, 52945), (1060, 52924), (1073, 52897), (1084, 52873),

Gene: Tubs_45 Start: 31483, Stop: 29690, Start Num: 254
Candidate Starts for Tubs_45:
(Start: 254 @31483 has 935 MA's), (261, 31474), (289, 31432), (369, 31312), (371, 31309), (396, 31261), (427, 31201), (437, 31171), (441, 31159), (449, 31147), (514, 30994), (591, 30901), (666, 30763), (680, 30733), (759, 30574), (767, 30562), (785, 30535), (815, 30427), (819, 30406), (859, 30271), (862, 30253), (904, 30172), (920, 30130), (946, 30055), (983, 29980), (1003, 29938), (1041, 29836), (1060, 29779), (1065, 29767), (1071, 29758),

Gene: Tuck_44 Start: 31714, Stop: 33579, Start Num: 254
Candidate Starts for Tuck_44:
(Start: 254 @31714 has 935 MA's), (Start: 288 @31762 has 1 MA's), (386, 31918), (436, 32011), (479, 32101), (593, 32308), (641, 32407), (647, 32416), (657, 32431), (666, 32443), (708, 32521), (732, 32569), (759, 32626), (788, 32707), (819, 32827), (830, 32857), (847, 32914), (862, 32980), (903, 33073), (929, 33145), (971, 33253), (1003, 33316), (1060, 33475), (1064, 33484), (1099, 33562),

Gene: Tucker_46 Start: 29792, Stop: 27951, Start Num: 254
Candidate Starts for Tucker_46:
(Start: 229 @29822 has 1 MA's), (Start: 254 @29792 has 935 MA's), (386, 29588), (426, 29513), (427, 29510), (436, 29483), (441, 29468), (449, 29456), (474, 29405), (510, 29315), (514, 29303), (591, 29210), (605, 29171), (618, 29153), (626, 29138), (666, 29072), (681, 29039), (683, 29036), (735, 28934), (767, 28874), (798, 28790), (819, 28709), (846, 28625), (847, 28622), (850, 28613), (855, 28586), (862, 28556), (899, 28496), (910, 28457), (1003, 28241), (1004, 28238), (1007, 28217), (1060, 28082), (1065, 28070), (1071, 28061), (1073, 28058), (1111, 27965),

Gene: TukTuk_43 Start: 29558, Stop: 31432, Start Num: 241
Candidate Starts for TukTuk_43:
(Start: 238 @29555 has 7 MA's), (Start: 241 @29558 has 65 MA's), (Start: 299 @29627 has 1 MA's), (315, 29648), (426, 29828), (455, 29894), (474, 29936), (647, 30230), (719, 30365), (766, 30464), (804, 30587), (819, 30647), (822, 30653), (836, 30698), (845, 30728), (853, 30764), (862, 30800), (903, 30893), (936, 30986), (967, 31064), (1003, 31136), (1012, 31175), (1037, 31217), (1040, 31235), (1060, 31295), (1071, 31316),

Gene: Turab_38 Start: 28808, Stop: 30673, Start Num: 254
Candidate Starts for Turab_38:
(Start: 254 @28808 has 935 MA's), (Start: 288 @28856 has 1 MA's), (386, 29012), (443, 29126), (479, 29195), (593, 29402), (641, 29501), (647, 29510), (657, 29525), (666, 29537), (681, 29570), (732, 29663), (759, 29720), (788, 29801), (819, 29921), (830, 29951), (847, 30008), (860, 30065), (862, 30074), (903, 30167), (929, 30239), (932, 30248), (971, 30347), (1003, 30410), (1053, 30545), (1060, 30569), (1064, 30578), (1099, 30656),

Gene: Turbido_45 Start: 31617, Stop: 29830, Start Num: 254
Candidate Starts for Turbido_45:
(Start: 178 @31704 has 1 MA's), (Start: 254 @31617 has 935 MA's), (388, 31410), (391, 31404), (402, 31389), (413, 31374), (427, 31338), (436, 31311), (449, 31284), (463, 31263), (514, 31131), (591, 31038), (609, 30990), (618, 30981), (626, 30966), (666, 30900), (708, 30819), (732, 30771), (734, 30765), (767, 30702), (819, 30546), (836, 30495), (846, 30462), (847, 30459), (862, 30393), (875, 30354), (899, 30333), (925, 30258), (929, 30246), (946, 30195), (975, 30132), (985, 30114), (1003, 30078), (1007, 30054), (1041, 29976), (1060, 29919), (1065, 29907), (1071, 29898),

Gene: Turj99_42 Start: 33989, Stop: 32163, Start Num: 254
Candidate Starts for Turj99_42:
(Start: 254 @33989 has 935 MA's), (391, 33776), (400, 33761), (436, 33683), (439, 33671), (443, 33662), (449, 33656), (455, 33647), (504, 33530), (514, 33503), (591, 33410), (596, 33395), (609, 33362), (639, 33311), (641, 33308), (675, 33254), (680, 33242), (701, 33212), (711, 33182), (734, 33137), (755, 33098), (819, 32918), (834, 32870), (836, 32867), (847, 32831), (862, 32765), (875, 32726), (899, 32705), (904, 32684), (910, 32666), (935, 32600), (1003, 32450), (1004, 32447), (1012, 32411), (1029, 32387), (1034, 32378), (1038, 32366), (1052, 32318), (1060, 32291), (1071, 32270),

Gene: Tutumahutu_42 Start: 29675, Stop: 31540, Start Num: 254
Candidate Starts for Tutumahutu_42:
(109, 29414), (Start: 188 @29597 has 1 MA's), (Start: 254 @29675 has 935 MA's), (Start: 288 @29723 has 1 MA's), (436, 29972), (479, 30062), (593, 30269), (596, 30278), (641, 30368), (647, 30377), (657, 30392), (681, 30437), (708, 30482), (732, 30530), (759, 30587), (788, 30668), (812, 30755), (819, 30788), (830, 30818), (847, 30875), (862, 30941), (903, 31034), (929, 31106), (971, 31214), (1003, 31277), (1007, 31301), (1053, 31412), (1060, 31436), (1064, 31445),

Gene: Tweety19_41 Start: 28185, Stop: 30029, Start Num: 254
Candidate Starts for Tweety19_41:
(Start: 254 @28185 has 935 MA's), (Start: 288 @28233 has 1 MA's), (332, 28293), (386, 28389), (411, 28416), (427, 28455), (443, 28503), (479, 28572), (593, 28758), (647, 28866), (657, 28881), (726, 29010), (732, 29019), (788, 29157), (819, 29277), (847, 29364), (860, 29421), (862, 29430), (903, 29523), (1003, 29766), (1060, 29925), (1064, 29934), (1099, 30012),

Gene: Twigg_39 Start: 30566, Stop: 28701, Start Num: 254
Candidate Starts for Twigg_39:

(Start: 254 @30566 has 935 MA's), (289, 30515), (334, 30455), (371, 30392), (386, 30362), (388, 30359), (422, 30302), (426, 30290), (436, 30260), (449, 30233), (514, 30080), (591, 29984), (609, 29936), (659, 29852), (666, 29846), (706, 29774), (719, 29741), (727, 29726), (734, 29714), (783, 29615), (819, 29480), (830, 29450), (834, 29432), (843, 29414), (847, 29393), (850, 29384), (862, 29327), (875, 29288), (904, 29246), (910, 29228), (929, 29180), (946, 29129), (971, 29075), (975, 29066), (985, 29048), (1007, 28988), (1018, 28970), (1053, 28877), (1060, 28853), (1065, 28841), (1111, 28736),

Gene: Twister_42 Start: 31053, Stop: 29218, Start Num: 254
Candidate Starts for Twister_42:
(Start: 254 @31053 has 935 MA's), (289, 31002), (338, 30936), (386, 30849), (400, 30825), (422, 30789), (426, 30777), (449, 30720), (455, 30711), (491, 30627), (505, 30591), (510, 30579), (514, 30567), (591, 30474), (611, 30426), (647, 30366), (666, 30339), (718, 30237), (719, 30234), (732, 30213), (734, 30207), (787, 30099), (819, 29976), (834, 29928), (855, 29853), (862, 29823), (873, 29793), (875, 29784), (904, 29715), (905, 29712), (920, 29673), (929, 29649), (931, 29643), (935, 29631), (1007, 29442), (1021, 29418), (1043, 29355), (1060, 29307), (1065, 29295), (1071, 29286),

Gene: TwoBits_37 Start: 27427, Stop: 25562, Start Num: 337
Candidate Starts for TwoBits_37:
(Start: 337 @27427 has 44 MA's), (341, 27421), (387, 27322), (392, 27313), (408, 27289), (418, 27274), (420, 27268), (430, 27241), (438, 27217), (441, 27214), (478, 27133), (491, 27097), (511, 27043), (531, 26983), (533, 26980), (587, 26854), (588, 26851), (591, 26839), (601, 26809), (634, 26788), (654, 26752), (731, 26605), (796, 26437), (798, 26425), (855, 26245), (862, 26215), (895, 26143), (912, 26086), (918, 26059), (933, 26017), (982, 25897), (985, 25888), (1004, 25828), (1007, 25804), (1011, 25792), (1015, 25783), (1025, 25765), (1039, 25732), (1058, 25660),

Gene: TwoPeat_45 Start: 34739, Stop: 32910, Start Num: 254
Candidate Starts for TwoPeat_45:
(Start: 254 @34739 has 935 MA's), (391, 34526), (400, 34511), (426, 34463), (436, 34433), (443, 34412), (449, 34406), (455, 34397), (504, 34280), (514, 34253), (591, 34160), (596, 34145), (603, 34124), (639, 34061), (641, 34058), (680, 33992), (701, 33962), (711, 33932), (734, 33887), (755, 33848), (819, 33668), (834, 33620), (850, 33572), (859, 33533), (862, 33515), (875, 33476), (899, 33455), (904, 33434), (909, 33419), (953, 33296), (1035, 33125), (1040, 33101), (1057, 33053), (1060, 33041), (1071, 33020), (1075, 33014), (1094, 32966), (1101, 32951),

Gene: Tydolla_56 Start: 53884, Stop: 52067, Start Num: 256
Candidate Starts for Tydolla_56:
(65, 54268), (137, 54067), (Start: 256 @53884 has 51 MA's), (280, 53854), (391, 53674), (463, 53521), (467, 53509), (481, 53479), (489, 53473), (511, 53410), (513, 53404), (567, 53353), (588, 53326), (590, 53317), (609, 53269), (671, 53164), (718, 53068), (747, 53017), (796, 52873), (806, 52834), (814, 52804), (820, 52777), (824, 52765), (854, 52669), (856, 52663), (859, 52654), (861, 52642), (893, 52570), (904, 52540), (910, 52522), (915, 52513), (939, 52444), (944, 52432), (950, 52411), (985, 52342), (996, 52327), (1004, 52303), (1007, 52282), (1018, 52264), (1021, 52258), (1037, 52225), (1039, 52219), (1042, 52201), (1044, 52189), (1050, 52177), (1054, 52165), (1070, 52123), (1084, 52093),

Gene: TygerBlood_45 Start: 31570, Stop: 29744, Start Num: 254
Candidate Starts for TygerBlood_45:
(Start: 254 @31570 has 935 MA's), (271, 31549), (289, 31519), (305, 31489), (413, 31327), (421, 31309), (449, 31237), (455, 31228), (505, 31108), (514, 31084), (591, 30991), (611, 30943), (626, 30922), (647, 30883), (719, 30751), (732, 30730), (755, 30685), (759, 30673), (815, 30520), (819, 30499), (855, 30376), (862, 30346), (875, 30307), (904, 30241), (905, 30238), (910, 30223), (920, 30199), (929, 30175), (1007, 29968), (1060, 29833), (1065, 29821), (1071, 29812),

Gene: Typhonomachy_42 Start: 32264, Stop: 29871, Start Num: 45
Candidate Starts for Typhonomachy_42:
(Start: 45 @32264 has 21 MA's), (59, 32258), (Start: 75 @32210 has 1 MA's), (93, 32168), (103, 32144), (152, 32018), (165, 31994), (213, 31949), (247, 31898), (260, 31883), (Start: 277 @31862 has 1 MA's), (307, 31814), (333, 31772), (367, 31697), (373, 31685), (417, 31616), (427, 31589), (429, 31583), (434, 31568), (459, 31514), (461, 31511), (469, 31493), (476, 31472), (537, 31289), (539, 31283), (569, 31214), (591, 31172), (668, 31085), (684, 31061), (706, 31055), (716, 31031), (720, 31022), (727, 31007), (733, 30995), (753, 30953), (754, 30950), (755, 30947), (807, 30800), (825, 30731), (827, 30725), (841, 30689), (862, 30596), (864, 30587), (874, 30560), (876, 30554), (880, 30548), (883, 30542), (905, 30485), (912, 30461), (925, 30416), (1058, 30035), (1072, 29990), (1076, 29981), (1101, 29921),

Gene: TyrionL_61 Start: 54131, Stop: 52272, Start Num: 215
Candidate Starts for TyrionL_61:
(Start: 198 @54155 has 1 MA's), (Start: 215 @54131 has 328 MA's), (Start: 245 @54107 has 14 MA's), (Start: 258 @54101 has 2 MA's), (Start: 288 @54059 has 1 MA's), (300, 54038), (360, 53924), (363, 53918), (382, 53888), (418, 53828), (425, 53807), (442, 53753), (454, 53741), (464, 53723), (469, 53711), (511, 53606), (567, 53549), (590, 53513), (594, 53501), (603, 53477), (609, 53465), (620, 53447), (630, 53429), (641, 53411), (666, 53372), (670, 53363), (671, 53360), (673, 53357), (783, 53102), (813, 53000), (820, 52967), (827, 52946), (856, 52853), (859, 52844), (881, 52781), (904, 52745), (905, 52742), (910, 52727), (939, 52649), (944, 52637), (950, 52616), (970, 52577), (1007, 52487), (1018, 52469), (1021, 52463), (1029, 52448), (1039, 52424), (1041, 52409), (1042, 52406), (1044, 52394), (1054, 52370), (1060, 52349), (1073, 52322), (1084, 52298), (1089, 52283),

Gene: U2_43 Start: 34422, Stop: 32596, Start Num: 254
Candidate Starts for U2_43:
(Start: 254 @34422 has 935 MA's), (391, 34209), (400, 34194), (426, 34146), (436, 34116), (443, 34095), (449, 34089), (455, 34080), (514, 33936), (591, 33843), (596, 33828), (639, 33744), (641, 33741), (680, 33675), (711, 33615), (734, 33570), (755, 33531), (819, 33351), (834, 33303), (847, 33264), (862, 33198), (875, 33159), (899, 33138), (904, 33117), (910, 33099), (935, 33033), (1003, 32883), (1004, 32880), (1012, 32844), (1029, 32820), (1034, 32811), (1038, 32799), (1060, 32724), (1071, 32703),

Gene: UAch1_60 Start: 54265, Stop: 52406, Start Num: 215
Candidate Starts for UAch1_60:
(Start: 198 @54289 has 1 MA's), (Start: 215 @54265 has 328 MA's), (Start: 245 @54241 has 14 MA's), (Start: 258 @54235 has 2 MA's), (Start: 288 @54193 has 1 MA's), (300, 54172), (360, 54058), (363, 54052), (382, 54022), (418, 53962), (425, 53941), (442, 53887), (454, 53875), (464, 53857), (469, 53845), (511, 53740), (567, 53683), (590, 53647), (594, 53635), (603, 53611), (609, 53599), (620, 53581), (630, 53563), (641, 53545), (666, 53506), (670, 53497), (671, 53494), (673, 53491), (813, 53134), (820, 53101), (827, 53080), (856, 52987), (859, 52978), (881, 52915), (904, 52879), (905, 52876), (910, 52861), (939, 52783), (944, 52771), (950, 52750), (970, 52711), (1007, 52621), (1018, 52603), (1021, 52597), (1029, 52582), (1039, 52558), (1041, 52543), (1042, 52540), (1044, 52528), (1054, 52504), (1073, 52456), (1084, 52432),

Gene: Ugenie5_42 Start: 31726, Stop: 29933, Start Num: 254
Candidate Starts for Ugenie5_42:
(Start: 254 @31726 has 935 MA's), (261, 31717), (289, 31675), (369, 31555), (371, 31552), (396, 31504), (427, 31444), (437, 31414), (441, 31402), (449, 31390), (514, 31237), (591, 31144), (666, 31006), (680, 30976), (759, 30817), (767, 30805), (785, 30778), (815, 30670), (819, 30649), (859, 30514), (862, 30496), (904, 30415), (920, 30373), (946, 30298), (953, 30277), (983, 30223), (1003, 30181), (1041, 30079), (1060, 30022), (1065, 30010), (1071, 30001),

Gene: UhSalsa_36 Start: 28114, Stop: 26330, Start Num: 254
Candidate Starts for UhSalsa_36:
(Start: 254 @28114 has 935 MA's), (407, 27880), (422, 27850), (425, 27841), (426, 27838), (441, 27793), (449, 27781), (474, 27730), (514, 27628), (548, 27607), (591, 27535), (606, 27490), (609, 27487), (636, 27445), (638, 27439), (647, 27424), (666, 27397), (719, 27292), (725, 27283), (734, 27265), (755, 27226), (787, 27169), (819, 27046), (834, 26998), (862, 26893), (863, 26890), (899, 26833), (904, 26812), (923, 26764), (948, 26689), (983, 26620), (1003, 26578), (1007, 26554), (1041, 26476), (1060, 26419), (1065, 26407), (1071, 26398), (1085, 26368), (1091, 26350),

Gene: Ulysses_44 Start: 31247, Stop: 29421, Start Num: 254
Candidate Starts for Ulysses_44:
(Start: 254 @31247 has 935 MA's), (271, 31226), (289, 31196), (305, 31166), (413, 31004), (421, 30986), (449, 30914), (455, 30905), (505, 30785), (514, 30761), (591, 30668), (611, 30620), (626, 30599), (647, 30560), (675, 30515), (678, 30509), (719, 30428), (732, 30407), (755, 30362), (759, 30350), (815, 30197), (819, 30176), (855, 30053), (862, 30023), (875, 29984), (904, 29918), (905, 29915), (910, 29900), (920, 29876), (929, 29852), (1007, 29645), (1060, 29510), (1065, 29498), (1071, 29489),

Gene: UncleHowie_59 Start: 53736, Stop: 51877, Start Num: 215
Candidate Starts for UncleHowie_59:
(Start: 198 @53760 has 1 MA's), (Start: 215 @53736 has 328 MA's), (Start: 245 @53712 has 14 MA's), (Start: 258 @53706 has 2 MA's), (Start: 288 @53664 has 1 MA's), (300, 53643), (360, 53529), (363, 53523), (382, 53493), (418, 53433), (425, 53412), (442, 53358), (454, 53346), (464, 53328), (469, 53316), (511, 53211), (567, 53154), (590, 53118), (594, 53106), (605, 53079), (620, 53052), (630, 53034), (641, 53016), (666, 52977), (670, 52968), (671, 52965), (673, 52962), (813, 52605), (820, 52572), (827, 52551), (856, 52458), (859, 52449), (881, 52386), (904, 52350), (905, 52347), (910, 52332), (939, 52254), (944, 52242), (950, 52221), (970, 52182), (1007, 52092), (1018, 52074), (1021, 52068), (1029, 52053), (1039, 52029), (1041, 52014), (1042, 52011), (1044, 51999), (1054, 51975), (1073, 51927), (1084, 51903),

Gene: UnionJack_39 Start: 29889, Stop: 28024, Start Num: 254
Candidate Starts for UnionJack_39:
(Start: 254 @29889 has 935 MA's), (334, 29778), (386, 29685), (388, 29682), (426, 29613), (436, 29583), (449, 29556), (455, 29547), (494, 29454), (501, 29439), (514, 29403), (591, 29307), (606, 29262), (609, 29259), (626, 29235), (659, 29175), (706, 29097), (719, 29064), (727, 29049), (734, 29037), (783, 28938), (819, 28803), (830, 28773), (834, 28755), (836, 28752), (847, 28716), (850, 28707), (853, 28686), (856, 28677), (862, 28650), (863, 28647), (899, 28590), (904, 28569), (929, 28503), (946, 28452), (971, 28398), (975, 28389), (985, 28371), (1007, 28311), (1018, 28293), (1053, 28200), (1060, 28176), (1065, 28164), (1111, 28059),

Gene: Updawg_45 Start: 31601, Stop: 29814, Start Num: 254
Candidate Starts for Updawg_45:
(Start: 254 @31601 has 935 MA's), (386, 31397), (388, 31394), (391, 31388), (413, 31358), (426, 31325), (427, 31322), (436, 31295), (449, 31268), (474, 31217), (514, 31115), (591, 31022), (609, 30974), (618, 30965), (626, 30950), (666, 30884), (708, 30803), (732, 30755), (798, 30611), (819, 30530), (836, 30479), (846, 30446), (862, 30377), (875, 30338), (899, 30317), (904, 30296), (908, 30284), (983, 30104), (985, 30098), (1003, 30062), (1007, 30038), (1041, 29960), (1060, 29903), (1065, 29891),

Gene: Upyo_46 Start: 36456, Stop: 34090, Start Num: 16
Candidate Starts for Upyo_46:

(3, 36705), (6, 36570), (8, 36546), (9, 36540), (10, 36528), (12, 36480), (Start: 16 @36456 has 1 MA's), (32, 36330), (47, 36273), (66, 36219), (81, 36183), (109, 36114), (113, 36108), (172, 36009), (347, 35775), (357, 35748), (421, 35640), (442, 35574), (455, 35559), (474, 35523), (511, 35439), (514, 35430), (567, 35382), (590, 35346), (594, 35334), (618, 35280), (636, 35250), (648, 35232), (654, 35223), (671, 35193), (710, 35115), (747, 35043), (803, 34869), (806, 34860), (813, 34836), (820, 34803), (844, 34746), (850, 34722), (856, 34692), (861, 34671), (902, 34593), (910, 34566), (934, 34503), (939, 34488), (944, 34476), (950, 34455), (995, 34356), (1007, 34308), (1012, 34293), (1021, 34284), (1041, 34230), (1042, 34227), (1054, 34191), (1073, 34140), (1084, 34116),

Gene: Usavi_60 Start: 54404, Stop: 52545, Start Num: 215
Candidate Starts for Usavi_60:
(Start: 198 @54428 has 1 MA's), (Start: 215 @54404 has 328 MA's), (Start: 245 @54380 has 14 MA's), (Start: 258 @54374 has 2 MA's), (Start: 288 @54332 has 1 MA's), (300, 54311), (360, 54197), (363, 54191), (382, 54161), (418, 54101), (425, 54080), (442, 54026), (454, 54014), (464, 53996), (469, 53984), (511, 53879), (567, 53822), (590, 53786), (594, 53774), (605, 53747), (620, 53720), (630, 53702), (641, 53684), (666, 53645), (670, 53636), (671, 53633), (783, 53375), (813, 53273), (820, 53240), (827, 53219), (856, 53126), (859, 53117), (881, 53054), (904, 53018), (905, 53015), (910, 53000), (939, 52922), (944, 52910), (950, 52889), (970, 52850), (1007, 52760), (1018, 52742), (1021, 52736), (1029, 52721), (1039, 52697), (1041, 52682), (1042, 52679), (1044, 52667), (1054, 52643), (1073, 52595), (1084, 52571),

Gene: UtzChips_47 Start: 31134, Stop: 32999, Start Num: 254
Candidate Starts for UtzChips_47:
(153, 31014), (162, 31032), (Start: 254 @31134 has 935 MA's), (332, 31242), (642, 31830), (647, 31836), (732, 31989), (762, 32052), (819, 32247), (841, 32310), (853, 32364), (855, 32370), (863, 32403), (936, 32586), (1060, 32895), (1096, 32973), (1105, 32994),

Gene: VA6_43 Start: 31120, Stop: 29333, Start Num: 254
Candidate Starts for VA6_43:
(Start: 254 @31120 has 935 MA's), (386, 30916), (388, 30913), (391, 30907), (402, 30892), (413, 30877), (426, 30844), (427, 30841), (436, 30814), (449, 30787), (463, 30766), (474, 30736), (514, 30634), (591, 30541), (594, 30532), (609, 30493), (618, 30484), (626, 30469), (666, 30403), (708, 30322), (732, 30274), (734, 30268), (798, 30130), (819, 30049), (836, 29998), (846, 29965), (847, 29962), (862, 29896), (875, 29857), (899, 29836), (925, 29761), (931, 29743), (946, 29698), (956, 29671), (975, 29635), (985, 29617), (1003, 29581), (1007, 29557), (1037, 29500), (1060, 29422), (1065, 29410), (1071, 29401),

Gene: VC3_48 Start: 31569, Stop: 29770, Start Num: 254
Candidate Starts for VC3_48:
(Start: 254 @31569 has 935 MA's), (386, 31365), (426, 31290), (427, 31287), (436, 31260), (441, 31245), (449, 31233), (474, 31182), (514, 31080), (591, 30987), (594, 30978), (609, 30939), (618, 30930), (666, 30849), (681, 30816), (701, 30789), (755, 30675), (767, 30651), (819, 30486), (834, 30438), (847, 30399), (855, 30363), (862, 30333), (875, 30294), (899, 30273), (935, 30168), (946, 30135), (975, 30072), (1003, 30018), (1007, 29994), (1060, 29859), (1065, 29847), (1071, 29838),

Gene: VResidence_41 Start: 29109, Stop: 31019, Start Num: 254
Candidate Starts for VResidence_41:
(Start: 254 @29109 has 935 MA's), (Start: 288 @29157 has 1 MA's), (371, 29283), (411, 29340), (443, 29427), (479, 29496), (593, 29748), (596, 29757), (647, 29856), (657, 29871), (732, 30009), (788, 30147), (798, 30186), (819, 30267), (847, 30354), (855, 30390), (860, 30411), (862, 30420), (929, 30585), (932, 30594), (1003, 30756), (1018, 30798), (1035, 30831), (1060, 30915), (1064, 30924), (1099, 31002),

Gene: Vaishali24_59 Start: 53939, Stop: 52080, Start Num: 215
Candidate Starts for Vaishali24_59:
(44, 54335), (72, 54248), (78, 54233), (83, 54227), (88, 54212), (94, 54194), (Start: 198 @53963 has 1 MA's), (Start: 215 @53939 has 328 MA's), (Start: 245 @53915 has 14 MA's), (Start: 258 @53909 has 2 MA's), (Start: 288 @53867 has 1 MA's), (300, 53846), (360, 53732), (363, 53726), (382, 53696), (418, 53636), (425, 53615), (442, 53561), (454, 53549), (469, 53519), (511, 53414), (567, 53357), (590, 53321), (594, 53309), (605, 53282), (609, 53273), (630, 53237), (641, 53219), (666, 53180), (670, 53171), (671, 53168), (813, 52808), (820, 52775), (827, 52754), (856, 52661), (859, 52652), (881, 52589), (904, 52553), (905, 52550), (910, 52535), (939, 52457), (944, 52445), (950, 52424), (970, 52385), (1007, 52295), (1018, 52277), (1021, 52271), (1029, 52256), (1039, 52232), (1041, 52217), (1042, 52214), (1044, 52202), (1054, 52178), (1073, 52130), (1084, 52106),

Gene: Valjean_60 Start: 54261, Stop: 52402, Start Num: 215
Candidate Starts for Valjean_60:
(Start: 198 @54285 has 1 MA's), (Start: 215 @54261 has 328 MA's), (Start: 245 @54237 has 14 MA's), (Start: 258 @54231 has 2 MA's), (Start: 288 @54189 has 1 MA's), (300, 54168), (360, 54054), (363, 54048), (382, 54018), (418, 53958), (425, 53937), (442, 53883), (454, 53871), (464, 53853), (469, 53841), (511, 53736), (567, 53679), (590, 53643), (594, 53631), (603, 53607), (609, 53595), (620, 53577), (630, 53559), (641, 53541), (666, 53502), (670, 53493), (671, 53490), (673, 53487), (813, 53130), (820, 53097), (827, 53076), (856, 52983), (859, 52974), (881, 52911), (904, 52875), (905, 52872), (910, 52857), (939, 52779), (944, 52767), (950, 52746), (970, 52707), (1007, 52617), (1018, 52599), (1021, 52593), (1029, 52578), (1039, 52554), (1041, 52539), (1042, 52536), (1044, 52524), (1054, 52500), (1073, 52452), (1084, 52428),

Gene: Vanisoa_44 Start: 32049, Stop: 30256, Start Num: 254
Candidate Starts for Vanisoa_44:
(Start: 254 @32049 has 935 MA's), (261, 32040), (289, 31998), (369, 31878), (371, 31875), (386, 31845), (396, 31827), (426, 31770), (427, 31767), (437, 31737), (441, 31725), (449, 31713), (455, 31704), (474, 31662), (484, 31644), (513, 31563), (514, 31560), (591, 31467), (680, 31299), (728, 31203), (759, 31140), (785, 31101), (787, 31095), (819, 30972), (830, 30942), (843, 30906), (850, 30876), (862, 30819), (904, 30738), (946, 30621), (1003, 30504), (1007, 30480), (1041, 30402), (1060, 30345), (1065, 30333), (1071, 30324),

Gene: Vash_34 Start: 26753, Stop: 28627, Start Num: 254
Candidate Starts for Vash_34:
(Start: 254 @26753 has 935 MA's), (305, 26834), (386, 26954), (436, 27056), (437, 27059), (443, 27077), (455, 27092), (625, 27401), (639, 27431), (647, 27443), (658, 27461), (679, 27497), (719, 27575), (726, 27587), (732, 27596), (759, 27653), (761, 27656), (762, 27659), (808, 27803), (819, 27854), (834, 27905), (853, 27977), (855, 27983), (856, 27986), (860, 28004), (862, 28013), (874, 28079), (902, 28133), (943, 28247), (969, 28310), (971, 28316), (974, 28322), (996, 28358), (1000, 28370), (1012, 28418), (1021, 28427), (1035, 28454), (1041, 28481), (1060, 28538), (1063, 28544), (1071, 28559), (1075, 28565),

Gene: Vaticameos_57 Start: 52569, Stop: 50710, Start Num: 215
Candidate Starts for Vaticameos_57:
(Start: 198 @52593 has 1 MA's), (Start: 215 @52569 has 328 MA's), (Start: 245 @52545 has 14 MA's), (Start: 258 @52539 has 2 MA's), (Start: 288 @52497 has 1 MA's), (300, 52476), (360, 52362), (363, 52356), (382, 52326), (418, 52266), (425, 52245), (442, 52191), (454, 52179), (464, 52161), (469, 52149), (511, 52044), (567, 51987), (590, 51951), (594, 51939), (605, 51912), (620, 51885), (630, 51867), (641, 51849), (666, 51810), (670, 51801), (671, 51798), (783, 51540), (813, 51438), (820, 51405), (827, 51384), (856, 51291), (859, 51282), (881, 51219), (904, 51183), (905, 51180), (910, 51165), (939, 51087), (944, 51075), (950, 51054), (970, 51015), (1007, 50925), (1018, 50907), (1021, 50901), (1029, 50886), (1039, 50862), (1041, 50847), (1042, 50844), (1044, 50832), (1054,

50808), (1073, 50760), (1084, 50736),

Gene: Velene_39 Start: 28935, Stop: 27070, Start Num: 339
Candidate Starts for Velene_39:
(Start: 275 @29022 has 3 MA's), (Start: 277 @29019 has 1 MA's), (324, 28950), (Start: 339 @28935 has 121 MA's), (Start: 342 @28926 has 5 MA's), (392, 28821), (398, 28812), (418, 28782), (419, 28779), (472, 28659), (476, 28647), (478, 28641), (518, 28536), (525, 28509), (582, 28368), (588, 28359), (591, 28347), (600, 28320), (601, 28317), (612, 28302), (634, 28296), (637, 28290), (657, 28257), (749, 28068), (855, 27753), (858, 27744), (859, 27741), (862, 27723), (876, 27681), (880, 27675), (895, 27651), (912, 27594), (970, 27435), (982, 27405), (985, 27396), (1004, 27336), (1007, 27312), (1025, 27273), (1039, 27240), (1040, 27228), (1058, 27168),

Gene: Veracruz_43 Start: 31597, Stop: 29759, Start Num: 254
Candidate Starts for Veracruz_43:
(Start: 254 @31597 has 935 MA's), (289, 31546), (386, 31393), (426, 31321), (436, 31291), (449, 31264), (455, 31255), (514, 31111), (591, 31015), (611, 30967), (647, 30907), (702, 30820), (719, 30775), (732, 30754), (768, 30682), (787, 30640), (798, 30598), (819, 30517), (834, 30469), (847, 30430), (855, 30394), (862, 30364), (873, 30334), (905, 30253), (920, 30214), (929, 30190), (935, 30172), (936, 30169), (985, 30043), (1007, 29983), (1043, 29896), (1060, 29848), (1065, 29836), (1071, 29827),

Gene: Veritas_62 Start: 54399, Stop: 52540, Start Num: 215
Candidate Starts for Veritas_62:
(Start: 198 @54423 has 1 MA's), (Start: 215 @54399 has 328 MA's), (Start: 245 @54375 has 14 MA's), (Start: 258 @54369 has 2 MA's), (Start: 288 @54327 has 1 MA's), (300, 54306), (360, 54192), (363, 54186), (382, 54156), (418, 54096), (425, 54075), (442, 54021), (454, 54009), (464, 53991), (469, 53979), (511, 53874), (567, 53817), (590, 53781), (594, 53769), (605, 53742), (630, 53697), (666, 53640), (670, 53631), (671, 53628), (813, 53268), (820, 53235), (827, 53214), (856, 53121), (859, 53112), (881, 53049), (904, 53013), (905, 53010), (910, 52995), (939, 52917), (944, 52905), (950, 52884), (970, 52845), (1007, 52755), (1018, 52737), (1021, 52731), (1029, 52716), (1039, 52692), (1041, 52677), (1042, 52674), (1044, 52662), (1054, 52638), (1073, 52590), (1084, 52566), (1089, 52551),

Gene: Vic9_00057 Start: 53336, Stop: 51507, Start Num: 215
Candidate Starts for Vic9_00057:
(Start: 215 @53336 has 328 MA's), (Start: 258 @53309 has 2 MA's), (Start: 282 @53279 has 7 MA's), (Start: 288 @53267 has 1 MA's), (Start: 304 @53240 has 2 MA's), (305, 53237), (314, 53228), (338, 53210), (388, 53114), (418, 53063), (426, 53039), (496, 52877), (503, 52862), (506, 52853), (511, 52841), (567, 52784), (590, 52748), (594, 52736), (603, 52712), (648, 52634), (652, 52628), (658, 52619), (670, 52598), (671, 52595), (684, 52565), (753, 52421), (778, 52355), (796, 52304), (800, 52283), (806, 52265), (820, 52208), (844, 52151), (850, 52124), (856, 52094), (859, 52085), (879, 52019), (902, 51992), (904, 51983), (910, 51965), (920, 51941), (939, 51887), (944, 51875), (950, 51854), (985, 51785), (1007, 51725), (1018, 51707), (1035, 51674), (1039, 51662), (1041, 51647), (1042, 51644), (1044, 51632), (1054, 51608), (1055, 51605), (1073, 51557), (1075, 51554), (1084, 51533), (1091, 51512),

Gene: Vincenzo_56 Start: 55146, Stop: 53320, Start Num: 208
Candidate Starts for Vincenzo_56:
(Start: 208 @55146 has 32 MA's), (Start: 239 @55128 has 1 MA's), (Start: 288 @55077 has 1 MA's), (300, 55056), (382, 54918), (415, 54864), (433, 54810), (464, 54756), (477, 54726), (487, 54714), (489, 54711), (567, 54591), (590, 54555), (594, 54543), (605, 54516), (666, 54414), (671, 54402), (688, 54366), (706, 54336), (719, 54303), (747, 54255), (814, 54042), (820, 54015), (854, 53907), (856, 53901), (859, 53892), (861, 53880), (879, 53829), (902, 53802), (904, 53793), (905, 53790),

(906, 53787), (910, 53775), (939, 53697), (944, 53685), (950, 53664), (953, 53655), (958, 53646), (1007, 53535), (1018, 53517), (1021, 53511), (1039, 53472), (1041, 53457), (1044, 53442), (1050, 53430), (1054, 53418), (1073, 53370), (1084, 53346),

Gene: Vine_47 Start: 34669, Stop: 32288, Start Num: 58
Candidate Starts for Vine_47:
(Start: 58 @34669 has 15 MA's), (80, 34609), (99, 34567), (115, 34528), (165, 34408), (176, 34387), (213, 34363), (270, 34285), (Start: 275 @34279 has 3 MA's), (Start: 277 @34276 has 1 MA's), (297, 34246), (323, 34198), (341, 34171), (Start: 342 @34168 has 5 MA's), (367, 34111), (392, 34072), (406, 34051), (426, 34009), (434, 33985), (437, 33976), (438, 33970), (441, 33964), (459, 33931), (469, 33910), (476, 33889), (537, 33706), (569, 33631), (591, 33589), (668, 33502), (706, 33478), (716, 33454), (720, 33445), (730, 33424), (754, 33373), (755, 33370), (761, 33355), (773, 33334), (810, 33208), (823, 33160), (825, 33151), (841, 33109), (862, 33016), (874, 32980), (876, 32974), (880, 32968), (883, 32962), (905, 32905), (912, 32881), (945, 32776), (946, 32773), (986, 32680), (991, 32662), (1004, 32623), (1013, 32581), (1027, 32557), (1039, 32527), (1050, 32479), (1058, 32455), (1072, 32410), (1099, 32344), (1108, 32323), (1109, 32317), (1113, 32311),

Gene: Violet_42 Start: 34578, Stop: 32752, Start Num: 254
Candidate Starts for Violet_42:
(Start: 254 @34578 has 935 MA's), (391, 34365), (426, 34302), (436, 34272), (443, 34251), (449, 34245), (455, 34236), (504, 34119), (514, 34092), (591, 33999), (596, 33984), (639, 33900), (641, 33897), (680, 33831), (711, 33771), (734, 33726), (755, 33687), (819, 33507), (834, 33459), (847, 33420), (862, 33354), (873, 33324), (875, 33315), (899, 33294), (904, 33273), (910, 33255), (935, 33189), (1003, 33039), (1004, 33036), (1012, 33000), (1029, 32976), (1034, 32967), (1038, 32955), (1060, 32880), (1071, 32859),

Gene: VioletZ_55 Start: 54089, Stop: 52266, Start Num: 208
Candidate Starts for VioletZ_55:
(Start: 190 @54107 has 4 MA's), (Start: 208 @54089 has 32 MA's), (Start: 258 @54065 has 2 MA's), (280, 54038), (Start: 288 @54023 has 1 MA's), (300, 54002), (353, 53915), (415, 53810), (425, 53783), (430, 53768), (464, 53702), (477, 53672), (481, 53663), (487, 53660), (489, 53657), (496, 53630), (567, 53537), (582, 53519), (590, 53501), (594, 53489), (605, 53462), (641, 53399), (670, 53351), (671, 53348), (684, 53318), (706, 53282), (796, 53057), (797, 53054), (806, 53018), (813, 52994), (820, 52961), (854, 52853), (856, 52847), (859, 52838), (904, 52739), (905, 52736), (910, 52721), (939, 52643), (944, 52631), (950, 52610), (953, 52601), (970, 52571), (985, 52541), (1000, 52514), (1007, 52481), (1021, 52457), (1039, 52418), (1042, 52400), (1044, 52388), (1054, 52364), (1070, 52322), (1073, 52316), (1084, 52292),

Gene: Virapocalypse_61 Start: 54360, Stop: 52501, Start Num: 215
Candidate Starts for Virapocalypse_61:
(Start: 198 @54384 has 1 MA's), (Start: 215 @54360 has 328 MA's), (Start: 245 @54336 has 14 MA's), (Start: 258 @54330 has 2 MA's), (Start: 288 @54288 has 1 MA's), (300, 54267), (360, 54153), (363, 54147), (382, 54117), (418, 54057), (425, 54036), (442, 53982), (454, 53970), (464, 53952), (469, 53940), (511, 53835), (567, 53778), (590, 53742), (594, 53730), (603, 53706), (609, 53694), (620, 53676), (630, 53658), (641, 53640), (666, 53601), (670, 53592), (671, 53589), (673, 53586), (813, 53229), (820, 53196), (827, 53175), (856, 53082), (859, 53073), (881, 53010), (904, 52974), (905, 52971), (910, 52956), (939, 52878), (944, 52866), (950, 52845), (970, 52806), (1007, 52716), (1018, 52698), (1021, 52692), (1029, 52677), (1039, 52653), (1041, 52638), (1042, 52635), (1044, 52623), (1054, 52599), (1073, 52551), (1084, 52527),

Gene: Virgeve_60 Start: 53997, Stop: 52138, Start Num: 215
Candidate Starts for Virgeve_60:

(Start: 198 @54021 has 1 MA's), (Start: 215 @53997 has 328 MA's), (Start: 245 @53973 has 14 MA's), (Start: 258 @53967 has 2 MA's), (Start: 288 @53925 has 1 MA's), (300, 53904), (360, 53790), (363, 53784), (382, 53754), (418, 53694), (425, 53673), (442, 53619), (454, 53607), (464, 53589), (469, 53577), (511, 53472), (567, 53415), (590, 53379), (594, 53367), (603, 53343), (609, 53331), (620, 53313), (630, 53295), (641, 53277), (666, 53238), (670, 53229), (671, 53226), (673, 53223), (813, 52866), (820, 52833), (827, 52812), (856, 52719), (859, 52710), (881, 52647), (904, 52611), (905, 52608), (910, 52593), (939, 52515), (944, 52503), (950, 52482), (970, 52443), (1007, 52353), (1018, 52335), (1021, 52329), (1029, 52314), (1039, 52290), (1041, 52275), (1042, 52272), (1044, 52260), (1054, 52236), (1073, 52188), (1084, 52164),

Gene: Vispistious_39 Start: 28937, Stop: 27072, Start Num: 339
Candidate Starts for Vispistious_39:
(Start: 275 @29024 has 3 MA's), (Start: 277 @29021 has 1 MA's), (Start: 339 @28937 has 121 MA's), (Start: 342 @28928 has 5 MA's), (392, 28823), (398, 28814), (418, 28784), (419, 28781), (472, 28661), (476, 28649), (478, 28643), (518, 28538), (525, 28511), (582, 28370), (587, 28364), (588, 28361), (591, 28349), (600, 28322), (601, 28319), (612, 28304), (634, 28298), (637, 28292), (657, 28259), (725, 28130), (749, 28070), (780, 27995), (855, 27755), (858, 27746), (859, 27743), (862, 27725), (876, 27683), (880, 27677), (884, 27668), (895, 27653), (912, 27596), (970, 27437), (982, 27407), (985, 27398), (1004, 27338), (1007, 27314), (1025, 27275), (1039, 27242), (1040, 27230), (1058, 27170),

Gene: Vista_60 Start: 54037, Stop: 52178, Start Num: 215
Candidate Starts for Vista_60:
(Start: 198 @54061 has 1 MA's), (Start: 215 @54037 has 328 MA's), (Start: 245 @54013 has 14 MA's), (Start: 258 @54007 has 2 MA's), (Start: 288 @53965 has 1 MA's), (300, 53944), (360, 53830), (363, 53824), (382, 53794), (418, 53734), (425, 53713), (442, 53659), (454, 53647), (464, 53629), (469, 53617), (511, 53512), (567, 53455), (590, 53419), (594, 53407), (605, 53380), (620, 53353), (630, 53335), (641, 53317), (666, 53278), (670, 53269), (671, 53266), (813, 52906), (820, 52873), (827, 52852), (856, 52759), (859, 52750), (881, 52687), (904, 52651), (905, 52648), (910, 52633), (939, 52555), (944, 52543), (950, 52522), (970, 52483), (1007, 52393), (1018, 52375), (1021, 52369), (1029, 52354), (1039, 52330), (1041, 52315), (1042, 52312), (1044, 52300), (1054, 52276), (1073, 52228), (1084, 52204),

Gene: Vitas_40 Start: 27434, Stop: 29302, Start Num: 238
Candidate Starts for Vitas_40:
(Start: 238 @27434 has 7 MA's), (Start: 241 @27437 has 65 MA's), (244, 27440), (Start: 299 @27509 has 1 MA's), (464, 27791), (474, 27818), (501, 27872), (605, 28037), (647, 28112), (659, 28133), (804, 28487), (819, 28547), (836, 28598), (853, 28664), (862, 28700), (903, 28793), (967, 28964), (1003, 29036), (1037, 29117), (1059, 29192), (1060, 29195), (1071, 29216), (1100, 29285),

Gene: Vivaldi_62 Start: 54495, Stop: 52636, Start Num: 215
Candidate Starts for Vivaldi_62:
(Start: 198 @54519 has 1 MA's), (Start: 215 @54495 has 328 MA's), (Start: 245 @54471 has 14 MA's), (Start: 258 @54465 has 2 MA's), (Start: 288 @54423 has 1 MA's), (300, 54402), (360, 54288), (363, 54282), (382, 54252), (418, 54192), (425, 54171), (442, 54117), (454, 54105), (464, 54087), (469, 54075), (511, 53970), (567, 53913), (590, 53877), (594, 53865), (603, 53841), (609, 53829), (620, 53811), (630, 53793), (641, 53775), (666, 53736), (670, 53727), (671, 53724), (673, 53721), (813, 53364), (820, 53331), (827, 53310), (856, 53217), (859, 53208), (881, 53145), (904, 53109), (905, 53106), (910, 53091), (939, 53013), (944, 53001), (950, 52980), (970, 52941), (1007, 52851), (1018, 52833), (1021, 52827), (1029, 52812), (1039, 52788), (1041, 52773), (1042, 52770), (1044, 52758), (1054, 52734), (1073, 52686), (1084, 52662),

Gene: Vix_48 Start: 31935, Stop: 30121, Start Num: 254

Candidate Starts for Vix_48:
(Start: 254 @31935 has 935 MA's), (284, 31896), (289, 31884), (386, 31731), (395, 31716), (426, 31659), (449, 31602), (455, 31593), (474, 31551), (494, 31500), (514, 31449), (591, 31356), (609, 31308), (618, 31299), (626, 31284), (647, 31245), (666, 31218), (680, 31188), (727, 31095), (758, 31035), (767, 31020), (819, 30864), (847, 30777), (862, 30711), (875, 30672), (905, 30600), (920, 30561), (929, 30537), (935, 30519), (946, 30486), (956, 30459), (985, 30405), (1007, 30345), (1041, 30267), (1060, 30210), (1065, 30198), (1071, 30189),

Gene: VohminGhazi_45 Start: 29628, Stop: 27787, Start Num: 254
Candidate Starts for VohminGhazi_45:
(Start: 254 @29628 has 935 MA's), (386, 29424), (426, 29349), (427, 29346), (436, 29319), (441, 29304), (449, 29292), (474, 29241), (510, 29151), (514, 29139), (591, 29046), (605, 29007), (618, 28989), (626, 28974), (666, 28908), (681, 28875), (683, 28872), (735, 28770), (767, 28710), (798, 28626), (819, 28545), (846, 28461), (847, 28458), (850, 28449), (855, 28422), (862, 28392), (899, 28332), (910, 28293), (1003, 28077), (1004, 28074), (1007, 28053), (1060, 27918), (1065, 27906), (1071, 27897), (1073, 27894), (1111, 27801),

Gene: Vortex_60 Start: 54019, Stop: 52160, Start Num: 215
Candidate Starts for Vortex_60:
(Start: 198 @54043 has 1 MA's), (Start: 215 @54019 has 328 MA's), (Start: 245 @53995 has 14 MA's), (Start: 258 @53989 has 2 MA's), (Start: 288 @53947 has 1 MA's), (300, 53926), (360, 53812), (363, 53806), (382, 53776), (418, 53716), (425, 53695), (442, 53641), (454, 53629), (464, 53611), (469, 53599), (511, 53494), (567, 53437), (590, 53401), (594, 53389), (605, 53362), (630, 53317), (666, 53260), (670, 53251), (671, 53248), (813, 52888), (820, 52855), (827, 52834), (856, 52741), (859, 52732), (881, 52669), (904, 52633), (905, 52630), (910, 52615), (939, 52537), (944, 52525), (950, 52504), (970, 52465), (1007, 52375), (1018, 52357), (1021, 52351), (1029, 52336), (1039, 52312), (1041, 52297), (1042, 52294), (1044, 52282), (1054, 52258), (1073, 52210), (1084, 52186),

Gene: VroomVroom_45 Start: 30595, Stop: 32457, Start Num: 254
Candidate Starts for VroomVroom_45:
(Start: 254 @30595 has 935 MA's), (Start: 288 @30643 has 1 MA's), (426, 30862), (470, 30958), (587, 31165), (647, 31294), (681, 31354), (708, 31399), (732, 31447), (769, 31531), (819, 31705), (830, 31735), (853, 31822), (855, 31828), (903, 31951), (905, 31960), (943, 32062), (1007, 32218), (1021, 32242), (1060, 32353),

Gene: WaddleDee_86 Start: 73470, Stop: 75263, Start Num: 265
Candidate Starts for WaddleDee_86:
(Start: 265 @73470 has 10 MA's), (Start: 288 @73503 has 1 MA's), (Start: 299 @73524 has 1 MA's), (Start: 304 @73533 has 2 MA's), (315, 73545), (454, 73782), (467, 73809), (470, 73815), (562, 73950), (632, 74067), (647, 74094), (651, 74100), (657, 74109), (686, 74163), (755, 74295), (763, 74316), (778, 74343), (795, 74391), (803, 74424), (815, 74463), (819, 74484), (822, 74490), (853, 74607), (874, 74691), (875, 74694), (903, 74757), (906, 74769), (920, 74805), (932, 74838), (950, 74892), (958, 74910), (996, 74994), (1003, 75015), (1008, 75042), (1035, 75090), (1037, 75096), (1040, 75114), (1043, 75126), (1045, 75138), (1048, 75141), (1060, 75174), (1075, 75201), (1085, 75225),

Gene: Waits_47 Start: 29831, Stop: 28041, Start Num: 254
Candidate Starts for Waits_47:
(Start: 254 @29831 has 935 MA's), (426, 29552), (427, 29549), (436, 29522), (449, 29495), (474, 29444), (514, 29342), (591, 29249), (605, 29210), (618, 29192), (719, 29003), (755, 28937), (788, 28877), (798, 28838), (813, 28787), (815, 28778), (819, 28757), (836, 28706), (846, 28673), (853, 28640), (855, 28634), (862, 28604), (899, 28544), (904, 28523), (920, 28481), (930, 28454), (971, 28352), (1003, 28289), (1004, 28286), (1060, 28130), (1065, 28118), (1073, 28106),

Gene: Waleliano_53 Start: 54042, Stop: 52219, Start Num: 208
Candidate Starts for Waleliano_53:
(Start: 190 @54060 has 4 MA's), (Start: 208 @54042 has 32 MA's), (Start: 258 @54018 has 2 MA's), (280, 53991), (Start: 288 @53976 has 1 MA's), (300, 53955), (353, 53868), (415, 53763), (425, 53736), (430, 53721), (464, 53655), (477, 53625), (481, 53616), (487, 53613), (489, 53610), (496, 53583), (567, 53490), (582, 53472), (590, 53454), (594, 53442), (605, 53415), (641, 53352), (666, 53313), (670, 53304), (671, 53301), (684, 53271), (706, 53235), (796, 53010), (797, 53007), (806, 52971), (813, 52947), (820, 52914), (854, 52806), (856, 52800), (859, 52791), (904, 52692), (905, 52689), (910, 52674), (939, 52596), (944, 52584), (950, 52563), (953, 52554), (970, 52524), (1000, 52467), (1007, 52434), (1021, 52410), (1039, 52371), (1042, 52353), (1044, 52341), (1054, 52317), (1070, 52275), (1073, 52269), (1084, 52245),

Gene: WalkingDead_44 Start: 31418, Stop: 33292, Start Num: 241
Candidate Starts for WalkingDead_44:
(Start: 241 @31418 has 65 MA's), (276, 31445), (Start: 299 @31487 has 1 MA's), (315, 31508), (455, 31754), (464, 31769), (474, 31796), (593, 31982), (602, 32009), (647, 32090), (727, 32240), (766, 32324), (803, 32444), (804, 32447), (819, 32507), (822, 32513), (836, 32558), (843, 32573), (845, 32588), (853, 32624), (856, 32633), (862, 32660), (903, 32753), (936, 32846), (967, 32924), (969, 32927), (1003, 32996), (1012, 33035), (1037, 33077), (1040, 33095), (1060, 33155), (1071, 33176),

Gene: Wallaby_42 Start: 32047, Stop: 29690, Start Num: 57
Candidate Starts for Wallaby_42:
(55, 32056), (Start: 57 @32047 has 26 MA's), (63, 32032), (74, 31996), (131, 31861), (165, 31798), (Start: 219 @31744 has 1 MA's), (292, 31642), (297, 31639), (341, 31564), (367, 31504), (403, 31453), (424, 31411), (434, 31381), (437, 31372), (459, 31327), (469, 31306), (476, 31285), (498, 31222), (541, 31087), (546, 31072), (569, 31027), (611, 30943), (664, 30907), (733, 30814), (753, 30772), (754, 30769), (755, 30766), (768, 30742), (774, 30730), (778, 30718), (793, 30670), (816, 30577), (825, 30550), (862, 30415), (874, 30379), (876, 30373), (880, 30367), (883, 30361), (897, 30337), (905, 30304), (912, 30280), (925, 30235), (927, 30229), (947, 30169), (991, 30061), (1008, 29995), (1009, 29992), (1013, 29980), (1027, 29956), (1050, 29878), (1058, 29854), (1081, 29785),

Gene: Wallhey_61 Start: 54135, Stop: 52276, Start Num: 215
Candidate Starts for Wallhey_61:
(Start: 198 @54159 has 1 MA's), (Start: 215 @54135 has 328 MA's), (Start: 245 @54111 has 14 MA's), (Start: 258 @54105 has 2 MA's), (Start: 288 @54063 has 1 MA's), (300, 54042), (360, 53928), (363, 53922), (382, 53892), (418, 53832), (425, 53811), (442, 53757), (454, 53745), (464, 53727), (469, 53715), (511, 53610), (567, 53553), (590, 53517), (594, 53505), (605, 53478), (630, 53433), (666, 53376), (670, 53367), (671, 53364), (783, 53106), (813, 53004), (820, 52971), (827, 52950), (856, 52857), (859, 52848), (881, 52785), (904, 52749), (905, 52746), (910, 52731), (939, 52653), (944, 52641), (950, 52620), (970, 52581), (1007, 52491), (1018, 52473), (1021, 52467), (1029, 52452), (1039, 52428), (1041, 52413), (1042, 52410), (1044, 52398), (1054, 52374), (1060, 52353), (1073, 52326), (1084, 52302), (1089, 52287),

Gene: WalterMcMickey_42 Start: 31053, Stop: 29218, Start Num: 254
Candidate Starts for WalterMcMickey_42:
(Start: 254 @31053 has 935 MA's), (289, 31002), (338, 30936), (386, 30849), (400, 30825), (422, 30789), (426, 30777), (449, 30720), (455, 30711), (491, 30627), (505, 30591), (510, 30579), (514, 30567), (591, 30474), (611, 30426), (647, 30366), (666, 30339), (718, 30237), (719, 30234), (732, 30213), (734, 30207), (787, 30099), (819, 29976), (834, 29928), (855, 29853), (862, 29823), (873, 29793), (875, 29784), (904, 29715), (905, 29712), (920, 29673), (929, 29649), (931, 29643), (935, 29631), (1007, 29442), (1021, 29418), (1043, 29355), (1060, 29307), (1065, 29295), (1071, 29286),

Gene: Wander_45 Start: 31567, Stop: 29741, Start Num: 254

Candidate Starts for Wander_45:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: Warda_41 Start: 29679, Stop: 31544, Start Num: 254
Candidate Starts for Warda_41:
(Start: 254 @29679 has 935 MA's), (Start: 288 @29727 has 1 MA's), (436, 29976), (479, 30066), (593, 30273), (596, 30282), (641, 30372), (647, 30381), (657, 30396), (681, 30441), (708, 30486), (732, 30534), (759, 30591), (788, 30672), (819, 30792), (830, 30822), (847, 30879), (860, 30936), (862, 30945), (971, 31218), (1003, 31281), (1053, 31416), (1060, 31440), (1064, 31449),

Gene: Wardwill_39 Start: 27171, Stop: 25306, Start Num: 337
Candidate Starts for Wardwill_39:
(Start: 337 @27171 has 44 MA's), (341, 27165), (387, 27066), (392, 27057), (394, 27054), (408, 27033), (418, 27018), (420, 27012), (438, 26961), (441, 26958), (478, 26877), (511, 26787), (531, 26727), (533, 26724), (587, 26598), (588, 26595), (591, 26583), (601, 26553), (634, 26532), (654, 26496), (731, 26349), (796, 26181), (798, 26169), (855, 25989), (862, 25959), (883, 25905), (895, 25887), (912, 25830), (918, 25803), (933, 25761), (982, 25641), (985, 25632), (1004, 25572), (1007, 25548), (1011, 25536), (1015, 25527), (1025, 25509), (1039, 25476), (1058, 25404),

Gene: Warrior24_48 Start: 30037, Stop: 28247, Start Num: 254
Candidate Starts for Warrior24_48:
(166, 30169), (Start: 254 @30037 has 935 MA's), (426, 29758), (427, 29755), (436, 29728), (449, 29701), (474, 29650), (514, 29548), (591, 29455), (605, 29416), (618, 29398), (719, 29209), (755, 29143), (788, 29083), (798, 29044), (813, 28993), (815, 28984), (819, 28963), (836, 28912), (846, 28879), (855, 28840), (862, 28810), (899, 28750), (904, 28729), (920, 28687), (930, 28660), (971, 28558), (1003, 28495), (1004, 28492), (1060, 28336), (1065, 28324), (1073, 28312),

Gene: WaterT_64 Start: 38299, Stop: 36338, Start Num: 322
Candidate Starts for WaterT_64:
(Start: 322 @38299 has 13 MA's), (354, 38239), (396, 38179), (426, 38125), (439, 38080), (453, 38056), (456, 38050), (497, 37942), (500, 37930), (570, 37777), (581, 37756), (589, 37738), (594, 37723), (619, 37672), (629, 37651), (635, 37642), (649, 37621), (672, 37585), (682, 37561), (689, 37549), (753, 37411), (770, 37384), (788, 37351), (796, 37324), (799, 37306), (800, 37303), (804, 37291), (832, 37183), (856, 37099), (907, 36880), (919, 36835), (942, 36769), (957, 36727), (971, 36697), (989, 36646), (990, 36640), (998, 36616), (1005, 36589), (1007, 36577), (1008, 36574), (1035, 36520), (1040, 36496), (1042, 36490), (1060, 36436), (1076, 36406), (1086, 36382),

Gene: Waterdiva_60 Start: 54398, Stop: 52539, Start Num: 215
Candidate Starts for Waterdiva_60:
(Start: 198 @54422 has 1 MA's), (Start: 215 @54398 has 328 MA's), (Start: 245 @54374 has 14 MA's), (Start: 258 @54368 has 2 MA's), (Start: 288 @54326 has 1 MA's), (300, 54305), (360, 54191), (363, 54185), (382, 54155), (418, 54095), (425, 54074), (442, 54020), (454, 54008), (464, 53990), (469, 53978), (511, 53873), (567, 53816), (590, 53780), (594, 53768), (605, 53741), (620, 53714), (630, 53696), (641, 53678), (666, 53639), (670, 53630), (671, 53627), (783, 53369), (813, 53267), (820, 53234), (827, 53213), (856, 53120), (859, 53111), (881, 53048), (904, 53012), (905, 53009), (910, 52994), (939, 52916), (944, 52904), (950, 52883), (970, 52844), (1007, 52754), (1018, 52736), (1021, 52730), (1029, 52715), (1039, 52691), (1041, 52676), (1042, 52673), (1044, 52661), (1054, 52637), (1073, 52589), (1084, 52565),

Gene: Watermelon_46 Start: 35165, Stop: 33339, Start Num: 254
Candidate Starts for Watermelon_46:
(Start: 254 @35165 has 935 MA's), (391, 34952), (400, 34937), (436, 34859), (443, 34838), (449, 34832), (455, 34823), (504, 34706), (514, 34679), (591, 34586), (596, 34571), (639, 34487), (641, 34484), (680, 34418), (701, 34388), (711, 34358), (734, 34313), (755, 34274), (819, 34094), (834, 34046), (847, 34007), (862, 33941), (904, 33860), (905, 33857), (935, 33776), (1003, 33626), (1004, 33623), (1012, 33587), (1029, 33563), (1034, 33554), (1038, 33542), (1060, 33467), (1071, 33446),

Gene: Watson_48 Start: 31845, Stop: 30031, Start Num: 254
Candidate Starts for Watson_48:
(Start: 254 @31845 has 935 MA's), (284, 31806), (289, 31794), (386, 31641), (395, 31626), (426, 31569), (449, 31512), (455, 31503), (474, 31461), (494, 31410), (514, 31359), (591, 31266), (609, 31218), (618, 31209), (626, 31194), (647, 31155), (666, 31128), (680, 31098), (727, 31005), (734, 30993), (758, 30945), (767, 30930), (819, 30774), (847, 30687), (862, 30621), (875, 30582), (905, 30510), (920, 30471), (929, 30447), (935, 30429), (946, 30396), (956, 30369), (985, 30315), (1007, 30255), (1041, 30177), (1060, 30120), (1065, 30108), (1071, 30099),

Gene: Weher20_60 Start: 54841, Stop: 52982, Start Num: 215
Candidate Starts for Weher20_60:
(Start: 198 @54865 has 1 MA's), (Start: 215 @54841 has 328 MA's), (Start: 245 @54817 has 14 MA's), (Start: 258 @54811 has 2 MA's), (Start: 288 @54769 has 1 MA's), (300, 54748), (360, 54634), (363, 54628), (382, 54598), (418, 54538), (425, 54517), (442, 54463), (454, 54451), (464, 54433), (469, 54421), (511, 54316), (567, 54259), (590, 54223), (594, 54211), (603, 54187), (609, 54175), (620, 54157), (630, 54139), (641, 54121), (666, 54082), (670, 54073), (671, 54070), (673, 54067), (813, 53710), (820, 53677), (827, 53656), (856, 53563), (859, 53554), (881, 53491), (904, 53455), (905, 53452), (910, 53437), (939, 53359), (944, 53347), (950, 53326), (970, 53287), (1007, 53197), (1018, 53179), (1021, 53173), (1029, 53158), (1039, 53134), (1041, 53119), (1042, 53116), (1044, 53104), (1054, 53080), (1073, 53032), (1084, 53008),

Gene: WeiHuaDA_48 Start: 32697, Stop: 30910, Start Num: 254
Candidate Starts for WeiHuaDA_48:
(Start: 254 @32697 has 935 MA's), (388, 32490), (391, 32484), (413, 32454), (425, 32424), (427, 32418), (436, 32391), (449, 32364), (463, 32343), (474, 32313), (510, 32223), (514, 32211), (591, 32118), (609, 32070), (618, 32061), (626, 32046), (666, 31980), (708, 31899), (732, 31851), (819, 31626), (836, 31575), (846, 31542), (847, 31539), (862, 31473), (875, 31434), (899, 31413), (925, 31338), (929, 31326), (931, 31320), (975, 31212), (1003, 31158), (1007, 31134), (1037, 31077), (1041, 31056), (1060, 30999), (1065, 30987), (1073, 30975),

Gene: West99_57 Start: 52637, Stop: 50808, Start Num: 215
Candidate Starts for West99_57:
(Start: 215 @52637 has 328 MA's), (Start: 258 @52610 has 2 MA's), (Start: 282 @52580 has 7 MA's), (Start: 288 @52568 has 1 MA's), (Start: 304 @52541 has 2 MA's), (305, 52538), (314, 52529), (338, 52511), (388, 52415), (418, 52364), (426, 52340), (496, 52178), (503, 52163), (506, 52154), (511, 52142), (567, 52085), (590, 52049), (594, 52037), (603, 52013), (652, 51929), (670, 51899), (671, 51896), (684, 51866), (753, 51722), (778, 51656), (792, 51617), (796, 51605), (800, 51584), (806, 51566), (820, 51509), (850, 51425), (856, 51395), (859, 51386), (879, 51320), (902, 51293), (904, 51284), (910, 51266), (920, 51242), (939, 51188), (944, 51176), (950, 51155), (985, 51086), (1007, 51026), (1018, 51008), (1035, 50975), (1039, 50963), (1041, 50948), (1042, 50945), (1044, 50933), (1054, 50909), (1055, 50906), (1073, 50858), (1075, 50855), (1084, 50834), (1091, 50813),

Gene: WestPM_35 Start: 27173, Stop: 25272, Start Num: 336
Candidate Starts for WestPM_35:

(Start: 336 @27173 has 4 MA's), (398, 27050), (418, 27020), (420, 27014), (436, 26972), (438, 26963), (469, 26906), (472, 26897), (476, 26885), (478, 26879), (544, 26678), (582, 26603), (588, 26594), (591, 26582), (601, 26552), (634, 26531), (639, 26519), (654, 26495), (733, 26345), (807, 26138), (817, 26084), (850, 25982), (853, 25961), (862, 25925), (874, 25889), (876, 25883), (912, 25796), (918, 25769), (970, 25637), (985, 25598), (991, 25577), (1004, 25538), (1007, 25514), (1009, 25508), (1022, 25481), (1058, 25370),

Gene: Whabigail7_45 Start: 31605, Stop: 29818, Start Num: 254
Candidate Starts for Whabigail7_45:
(Start: 178 @31692 has 1 MA's), (Start: 254 @31605 has 935 MA's), (388, 31398), (391, 31392), (402, 31377), (413, 31362), (427, 31326), (436, 31299), (449, 31272), (463, 31251), (514, 31119), (591, 31026), (609, 30978), (618, 30969), (626, 30954), (666, 30888), (708, 30807), (732, 30759), (734, 30753), (767, 30690), (819, 30534), (836, 30483), (846, 30450), (847, 30447), (862, 30381), (875, 30342), (899, 30321), (925, 30246), (929, 30234), (946, 30183), (975, 30120), (985, 30102), (1003, 30066), (1007, 30042), (1041, 29964), (1060, 29907), (1065, 29895), (1071, 29886),

Gene: Wheeler_45 Start: 34873, Stop: 33047, Start Num: 254
Candidate Starts for Wheeler_45:
(Start: 254 @34873 has 935 MA's), (391, 34660), (400, 34645), (426, 34597), (436, 34567), (443, 34546), (449, 34540), (455, 34531), (504, 34414), (514, 34387), (591, 34294), (596, 34279), (609, 34246), (639, 34195), (641, 34192), (680, 34126), (701, 34096), (711, 34066), (734, 34021), (755, 33982), (819, 33802), (830, 33772), (834, 33754), (836, 33751), (847, 33715), (862, 33649), (904, 33568), (905, 33565), (935, 33484), (1003, 33334), (1004, 33331), (1012, 33295), (1029, 33271), (1034, 33262), (1038, 33250), (1060, 33175), (1071, 33154),

Gene: Whitspit_43 Start: 32592, Stop: 30766, Start Num: 254
Candidate Starts for Whitspit_43:
(Start: 254 @32592 has 935 MA's), (391, 32379), (400, 32364), (426, 32316), (436, 32286), (443, 32265), (449, 32259), (455, 32250), (491, 32166), (504, 32133), (514, 32106), (591, 32013), (596, 31998), (603, 31977), (609, 31965), (639, 31914), (641, 31911), (680, 31845), (701, 31815), (711, 31785), (734, 31740), (755, 31701), (819, 31521), (834, 31473), (847, 31434), (862, 31368), (875, 31329), (899, 31308), (904, 31287), (910, 31269), (935, 31203), (1003, 31053), (1004, 31050), (1012, 31014), (1029, 30990), (1034, 30981), (1038, 30969), (1060, 30894), (1071, 30873),

Gene: WideWale_45 Start: 31601, Stop: 29814, Start Num: 254
Candidate Starts for WideWale_45:
(Start: 254 @31601 has 935 MA's), (386, 31397), (388, 31394), (391, 31388), (413, 31358), (426, 31325), (427, 31322), (436, 31295), (449, 31268), (474, 31217), (514, 31115), (591, 31022), (609, 30974), (618, 30965), (626, 30950), (666, 30884), (708, 30803), (732, 30755), (798, 30611), (819, 30530), (836, 30479), (846, 30446), (862, 30377), (875, 30338), (899, 30317), (904, 30296), (908, 30284), (983, 30104), (985, 30098), (1003, 30062), (1007, 30038), (1041, 29960), (1060, 29903), (1065, 29891),

Gene: Widow_43 Start: 35284, Stop: 32969, Start Num: 15
Candidate Starts for Widow_43:
(Start: 15 @35284 has 2 MA's), (17, 35275), (29, 35179), (35, 35149), (50, 35083), (138, 34924), (Start: 178 @34894 has 1 MA's), (186, 34882), (225, 34828), (Start: 238 @34807 has 7 MA's), (315, 34708), (338, 34687), (355, 34642), (385, 34594), (474, 34411), (503, 34348), (511, 34327), (514, 34318), (590, 34237), (594, 34225), (618, 34171), (636, 34141), (654, 34114), (670, 34087), (671, 34084), (673, 34081), (747, 33934), (775, 33850), (790, 33799), (800, 33760), (803, 33751), (806, 33742), (820, 33685), (850, 33604), (856, 33574), (894, 33484), (902, 33472), (910, 33445), (939, 33367), (944, 33355), (953, 33325), (995, 33235), (1000, 33220), (1007, 33187), (1041, 33109), (1042, 33106), (1050, 33082), (1054, 33070), (1073, 33019), (1084, 32995),

Gene: Wiks_44 Start: 29422, Stop: 27581, Start Num: 254
Candidate Starts for Wiks_44:
(Start: 229 @29452 has 1 MA's), (Start: 254 @29422 has 935 MA's), (386, 29218), (426, 29143), (427, 29140), (436, 29113), (441, 29098), (449, 29086), (474, 29035), (510, 28945), (514, 28933), (591, 28840), (605, 28801), (618, 28783), (626, 28768), (666, 28702), (681, 28669), (683, 28666), (735, 28564), (767, 28504), (798, 28420), (819, 28339), (846, 28255), (847, 28252), (850, 28243), (855, 28216), (862, 28186), (899, 28126), (910, 28087), (1003, 27871), (1004, 27868), (1007, 27847), (1060, 27712), (1065, 27700), (1071, 27691), (1073, 27688), (1111, 27595),

Gene: Wilbur_45 Start: 31567, Stop: 29741, Start Num: 254
Candidate Starts for Wilbur_45:
(Start: 254 @31567 has 935 MA's), (271, 31546), (289, 31516), (305, 31486), (413, 31324), (421, 31306), (449, 31234), (455, 31225), (505, 31105), (514, 31081), (591, 30988), (611, 30940), (626, 30919), (647, 30880), (719, 30748), (732, 30727), (755, 30682), (759, 30670), (815, 30517), (819, 30496), (855, 30373), (862, 30343), (875, 30304), (904, 30238), (905, 30235), (910, 30220), (920, 30196), (929, 30172), (1007, 29965), (1060, 29830), (1065, 29818), (1071, 29809),

Gene: WildNOut_39 Start: 28934, Stop: 27069, Start Num: 339
Candidate Starts for WildNOut_39:
(Start: 339 @28934 has 121 MA's), (Start: 342 @28925 has 5 MA's), (392, 28820), (398, 28811), (418, 28781), (419, 28778), (472, 28658), (476, 28646), (478, 28640), (518, 28535), (525, 28508), (582, 28367), (587, 28361), (588, 28358), (591, 28346), (600, 28319), (601, 28316), (612, 28301), (634, 28295), (637, 28289), (657, 28256), (725, 28127), (749, 28067), (780, 27992), (855, 27752), (858, 27743), (859, 27740), (862, 27722), (876, 27680), (880, 27674), (884, 27665), (895, 27650), (912, 27593), (970, 27434), (982, 27404), (985, 27395), (1004, 27335), (1007, 27311), (1025, 27272), (1039, 27239), (1040, 27227), (1058, 27167),

Gene: Wildwest_40 Start: 29139, Stop: 30983, Start Num: 254
Candidate Starts for Wildwest_40:
(129, 28944), (165, 29022), (182, 29052), (Start: 254 @29139 has 935 MA's), (371, 29313), (386, 29343), (411, 29370), (436, 29436), (479, 29526), (593, 29712), (596, 29721), (606, 29751), (647, 29820), (657, 29835), (732, 29973), (788, 30111), (819, 30231), (847, 30318), (860, 30375), (862, 30384), (929, 30549), (1003, 30720), (1060, 30879), (1064, 30888), (1071, 30900),

Gene: Wile_44 Start: 31553, Stop: 29724, Start Num: 254
Candidate Starts for Wile_44:
(Start: 254 @31553 has 935 MA's), (289, 31502), (305, 31472), (413, 31310), (421, 31292), (426, 31277), (449, 31220), (455, 31211), (505, 31091), (514, 31067), (562, 31025), (591, 30974), (611, 30926), (626, 30905), (647, 30866), (675, 30821), (678, 30815), (719, 30734), (732, 30713), (755, 30668), (815, 30503), (819, 30482), (862, 30329), (875, 30290), (905, 30218), (910, 30203), (920, 30179), (927, 30161), (929, 30155), (931, 30149), (1007, 29948), (1060, 29813), (1065, 29801), (1071, 29792),

Gene: Wilkins_44 Start: 34221, Stop: 32395, Start Num: 254
Candidate Starts for Wilkins_44:
(Start: 254 @34221 has 935 MA's), (391, 34008), (400, 33993), (426, 33945), (436, 33915), (443, 33894), (449, 33888), (455, 33879), (504, 33762), (514, 33735), (591, 33642), (596, 33627), (639, 33543), (641, 33540), (680, 33474), (701, 33444), (711, 33414), (734, 33369), (755, 33330), (819, 33150), (834, 33102), (847, 33063), (862, 32997), (875, 32958), (899, 32937), (904, 32916), (910, 32898), (935, 32832), (1003, 32682), (1004, 32679), (1012, 32643), (1029, 32619), (1034, 32610), (1038, 32598), (1052, 32550), (1060, 32523), (1071, 32502),

Gene: WilliamStrong_38 Start: 28667, Stop: 26775, Start Num: 337
Candidate Starts for WilliamStrong_38:
(Start: 337 @28667 has 44 MA's), (Start: 342 @28658 has 5 MA's), (381, 28571), (408, 28532), (418, 28517), (420, 28511), (438, 28460), (476, 28382), (478, 28376), (511, 28286), (554, 28154), (582, 28100), (588, 28091), (591, 28079), (601, 28049), (634, 28028), (637, 28022), (639, 28016), (641, 28013), (725, 27866), (746, 27821), (749, 27806), (791, 27695), (807, 27641), (810, 27629), (859, 27446), (862, 27428), (876, 27386), (895, 27356), (902, 27335), (912, 27299), (934, 27227), (970, 27140), (985, 27101), (1004, 27041), (1007, 27017), (1032, 26969), (1039, 26945), (1058, 26873),

Gene: Windsor_60 Start: 54584, Stop: 52725, Start Num: 215
Candidate Starts for Windsor_60:
(Start: 198 @54608 has 1 MA's), (Start: 215 @54584 has 328 MA's), (Start: 245 @54560 has 14 MA's), (Start: 258 @54554 has 2 MA's), (Start: 288 @54512 has 1 MA's), (300, 54491), (360, 54377), (363, 54371), (382, 54341), (418, 54281), (425, 54260), (442, 54206), (454, 54194), (464, 54176), (469, 54164), (511, 54059), (567, 54002), (590, 53966), (594, 53954), (603, 53930), (609, 53918), (620, 53900), (630, 53882), (641, 53864), (666, 53825), (670, 53816), (671, 53813), (673, 53810), (813, 53453), (820, 53420), (827, 53399), (856, 53306), (859, 53297), (881, 53234), (904, 53198), (905, 53195), (910, 53180), (939, 53102), (944, 53090), (950, 53069), (970, 53030), (1007, 52940), (1018, 52922), (1021, 52916), (1029, 52901), (1039, 52877), (1041, 52862), (1042, 52859), (1044, 52847), (1054, 52823), (1073, 52775), (1084, 52751),

Gene: Winzigespinne_38 Start: 28618, Stop: 26753, Start Num: 339
Candidate Starts for Winzigespinne_38:
(Start: 275 @28705 has 3 MA's), (Start: 339 @28618 has 121 MA's), (Start: 342 @28609 has 5 MA's), (392, 28504), (398, 28495), (418, 28465), (419, 28462), (472, 28342), (476, 28330), (478, 28324), (518, 28219), (525, 28192), (582, 28051), (587, 28045), (588, 28042), (591, 28030), (600, 28003), (601, 28000), (612, 27985), (634, 27979), (637, 27973), (657, 27940), (749, 27751), (855, 27436), (858, 27427), (859, 27424), (862, 27406), (876, 27364), (880, 27358), (895, 27334), (912, 27277), (970, 27118), (982, 27088), (985, 27079), (1004, 27019), (1007, 26995), (1025, 26956), (1039, 26923), (1040, 26911), (1058, 26851),

Gene: Wizard007_45 Start: 31575, Stop: 29749, Start Num: 254
Candidate Starts for Wizard007_45:
(Start: 254 @31575 has 935 MA's), (271, 31554), (289, 31524), (305, 31494), (413, 31332), (421, 31314), (449, 31242), (455, 31233), (505, 31113), (514, 31089), (591, 30996), (611, 30948), (626, 30927), (647, 30888), (719, 30756), (732, 30735), (755, 30690), (759, 30678), (815, 30525), (819, 30504), (855, 30381), (862, 30351), (875, 30312), (904, 30246), (905, 30243), (910, 30228), (920, 30204), (929, 30180), (1007, 29973), (1060, 29838), (1065, 29826), (1071, 29817),

Gene: Wolfwood_40 Start: 32018, Stop: 29661, Start Num: 57
Candidate Starts for Wolfwood_40:
(55, 32027), (Start: 57 @32018 has 26 MA's), (63, 32003), (74, 31967), (131, 31832), (165, 31769), (Start: 219 @31715 has 1 MA's), (292, 31613), (297, 31610), (341, 31535), (367, 31475), (403, 31424), (424, 31382), (434, 31352), (437, 31343), (459, 31298), (469, 31277), (476, 31256), (498, 31193), (541, 31058), (546, 31043), (569, 30998), (611, 30914), (664, 30878), (733, 30785), (753, 30743), (754, 30740), (755, 30737), (768, 30713), (774, 30701), (778, 30689), (793, 30641), (816, 30548), (825, 30521), (862, 30386), (874, 30350), (876, 30344), (880, 30338), (883, 30332), (897, 30308), (905, 30275), (912, 30251), (925, 30206), (927, 30200), (947, 30140), (991, 30032), (1008, 29966), (1009, 29963), (1013, 29951), (1027, 29927), (1050, 29849), (1058, 29825), (1081, 29756),

Gene: Wolpertinger_43 Start: 30332, Stop: 28545, Start Num: 254
Candidate Starts for Wolpertinger_43:

(Start: 254 @30332 has 935 MA's), (386, 30128), (426, 30056), (436, 30026), (449, 29999), (593, 29747), (618, 29696), (666, 29615), (688, 29570), (690, 29567), (732, 29486), (759, 29429), (786, 29387), (798, 29342), (819, 29261), (836, 29210), (847, 29174), (862, 29108), (899, 29048), (902, 29036), (938, 28934), (946, 28910), (951, 28892), (985, 28829), (1000, 28802), (1003, 28793), (1007, 28769), (1060, 28634), (1065, 28622), (1071, 28613),

Gene: Wooldri_50 Start: 31764, Stop: 29950, Start Num: 254
Candidate Starts for Wooldri_50:
(Start: 254 @31764 has 935 MA's), (284, 31725), (289, 31713), (386, 31560), (395, 31545), (426, 31488), (449, 31431), (455, 31422), (474, 31380), (494, 31329), (514, 31278), (591, 31185), (609, 31137), (618, 31128), (626, 31113), (647, 31074), (666, 31047), (680, 31017), (727, 30924), (758, 30864), (767, 30849), (819, 30693), (847, 30606), (862, 30540), (875, 30501), (905, 30429), (920, 30390), (929, 30366), (935, 30348), (946, 30315), (956, 30288), (985, 30234), (1007, 30174), (1041, 30096), (1060, 30039), (1065, 30027), (1071, 30018),

Gene: Wooper_54 Start: 47982, Stop: 46165, Start Num: 251
Candidate Starts for Wooper_54:
(Start: 251 @47982 has 15 MA's), (Start: 258 @47973 has 2 MA's), (280, 47946), (287, 47934), (300, 47910), (305, 47901), (409, 47727), (437, 47652), (477, 47577), (511, 47499), (567, 47442), (590, 47406), (594, 47394), (603, 47370), (658, 47277), (671, 47253), (679, 47235), (796, 46962), (806, 46923), (814, 46893), (820, 46866), (854, 46758), (856, 46752), (859, 46743), (902, 46653), (904, 46644), (905, 46641), (910, 46626), (939, 46548), (944, 46536), (945, 46530), (950, 46515), (974, 46467), (1000, 46419), (1007, 46386), (1021, 46362), (1039, 46323), (1041, 46308), (1054, 46263), (1084, 46191),

Gene: WorldCup_43 Start: 30725, Stop: 28932, Start Num: 254
Candidate Starts for WorldCup_43:
(Start: 254 @30725 has 935 MA's), (261, 30716), (289, 30674), (349, 30587), (386, 30521), (391, 30512), (396, 30503), (409, 30485), (427, 30443), (436, 30416), (441, 30401), (449, 30389), (474, 30338), (514, 30236), (587, 30158), (591, 30143), (618, 30086), (680, 29975), (728, 29879), (759, 29816), (785, 29777), (787, 29771), (819, 29648), (850, 29552), (855, 29525), (862, 29495), (875, 29456), (904, 29414), (946, 29297), (983, 29222), (1003, 29180), (1041, 29078), (1060, 29021), (1065, 29009), (1071, 29000),

Gene: WunderPhul_45 Start: 29420, Stop: 27579, Start Num: 254
Candidate Starts for WunderPhul_45:
(Start: 229 @29450 has 1 MA's), (Start: 254 @29420 has 935 MA's), (386, 29216), (426, 29141), (427, 29138), (436, 29111), (441, 29096), (449, 29084), (474, 29033), (510, 28943), (514, 28931), (591, 28838), (605, 28799), (618, 28781), (626, 28766), (666, 28700), (681, 28667), (683, 28664), (735, 28562), (767, 28502), (798, 28418), (819, 28337), (846, 28253), (847, 28250), (850, 28241), (855, 28214), (862, 28184), (899, 28124), (910, 28085), (1003, 27869), (1004, 27866), (1007, 27845), (1060, 27710), (1065, 27698), (1071, 27689), (1073, 27686), (1111, 27593),

Gene: Xavier_59 Start: 54026, Stop: 52167, Start Num: 215
Candidate Starts for Xavier_59:
(Start: 198 @54050 has 1 MA's), (Start: 215 @54026 has 328 MA's), (Start: 245 @54002 has 14 MA's), (Start: 258 @53996 has 2 MA's), (Start: 288 @53954 has 1 MA's), (300, 53933), (360, 53819), (363, 53813), (382, 53783), (418, 53723), (425, 53702), (442, 53648), (454, 53636), (464, 53618), (469, 53606), (511, 53501), (567, 53444), (590, 53408), (594, 53396), (605, 53369), (630, 53324), (666, 53267), (670, 53258), (671, 53255), (813, 52895), (820, 52862), (827, 52841), (856, 52748), (859, 52739), (881, 52676), (904, 52640), (905, 52637), (910, 52622), (939, 52544), (944, 52532), (950, 52511), (970, 52472), (1007, 52382), (1018, 52364), (1021, 52358), (1029, 52343), (1039, 52319), (1041, 52304), (1042, 52301), (1044, 52289), (1054, 52265), (1073, 52217), (1084, 52193),

Gene: Xebius_38 Start: 28720, Stop: 26855, Start Num: 337
Candidate Starts for Xebius_38:
(Start: 337 @28720 has 44 MA's), (355, 28675), (381, 28621), (420, 28561), (438, 28510), (476, 28432), (478, 28426), (494, 28381), (495, 28378), (511, 28336), (531, 28276), (582, 28153), (588, 28144), (591, 28132), (595, 28120), (601, 28102), (634, 28081), (639, 28069), (654, 28045), (731, 27898), (796, 27730), (850, 27565), (858, 27529), (862, 27508), (876, 27466), (912, 27379), (925, 27334), (962, 27235), (982, 27190), (985, 27181), (1004, 27121), (1007, 27097), (1022, 27064), (1058, 26953),

Gene: Xena_43 Start: 31519, Stop: 29690, Start Num: 254
Candidate Starts for Xena_43:
(Start: 254 @31519 has 935 MA's), (289, 31468), (305, 31438), (413, 31276), (421, 31258), (426, 31243), (449, 31186), (455, 31177), (505, 31057), (514, 31033), (562, 30991), (591, 30940), (611, 30892), (626, 30871), (647, 30832), (675, 30787), (678, 30781), (719, 30700), (732, 30679), (755, 30634), (815, 30469), (819, 30448), (862, 30295), (875, 30256), (905, 30184), (910, 30169), (920, 30145), (927, 30127), (929, 30121), (931, 30115), (1007, 29914), (1060, 29779), (1065, 29767), (1071, 29758),

Gene: XianYue_44 Start: 31263, Stop: 29476, Start Num: 254
Candidate Starts for XianYue_44:
(Start: 254 @31263 has 935 MA's), (386, 31059), (388, 31056), (391, 31050), (413, 31020), (422, 30999), (426, 30987), (436, 30957), (449, 30930), (463, 30909), (514, 30777), (591, 30684), (618, 30627), (626, 30612), (666, 30546), (708, 30465), (732, 30417), (768, 30345), (819, 30192), (836, 30141), (846, 30108), (847, 30105), (862, 30039), (875, 30000), (899, 29979), (925, 29904), (929, 29892), (931, 29886), (946, 29841), (975, 29778), (1003, 29724), (1007, 29700), (1041, 29622), (1060, 29565), (1065, 29553), (1071, 29544),

Gene: Xincheng_54 Start: 55076, Stop: 53253, Start Num: 208
Candidate Starts for Xincheng_54:
(Start: 190 @55094 has 4 MA's), (Start: 208 @55076 has 32 MA's), (Start: 258 @55052 has 2 MA's), (280, 55025), (Start: 288 @55010 has 1 MA's), (300, 54989), (353, 54902), (360, 54884), (415, 54797), (425, 54770), (430, 54755), (464, 54689), (477, 54659), (481, 54650), (487, 54647), (489, 54644), (496, 54617), (567, 54524), (582, 54506), (590, 54488), (594, 54476), (605, 54449), (641, 54386), (666, 54347), (670, 54338), (671, 54335), (684, 54305), (706, 54269), (796, 54044), (797, 54041), (806, 54005), (813, 53981), (820, 53948), (854, 53840), (856, 53834), (859, 53825), (904, 53726), (905, 53723), (910, 53708), (939, 53630), (944, 53618), (950, 53597), (953, 53588), (970, 53558), (985, 53528), (1000, 53501), (1007, 53468), (1018, 53450), (1021, 53444), (1039, 53405), (1042, 53387), (1044, 53375), (1054, 53351), (1070, 53309), (1073, 53303), (1084, 53279),

Gene: Xkcd426_52 Start: 45445, Stop: 43514, Start Num: 327
Candidate Starts for Xkcd426_52:
(Start: 327 @45445 has 11 MA's), (393, 45334), (395, 45331), (413, 45307), (415, 45304), (435, 45244), (526, 44998), (547, 44968), (550, 44959), (557, 44929), (574, 44890), (597, 44839), (628, 44776), (635, 44767), (662, 44728), (700, 44659), (754, 44527), (793, 44437), (798, 44419), (802, 44404), (806, 44392), (822, 44335), (826, 44320), (848, 44242), (855, 44209), (863, 44176), (867, 44155), (872, 44137), (889, 44095), (920, 44002), (927, 43984), (929, 43978), (931, 43972), (939, 43948), (989, 43816), (1007, 43747), (1008, 43744), (1041, 43672), (1053, 43639), (1060, 43615),

Gene: YDN12_50 Start: 39191, Stop: 37182, Start Num: 327
Candidate Starts for YDN12_50:
(281, 39257), (283, 39254), (Start: 327 @39191 has 11 MA's), (371, 39122), (435, 38990), (437, 38984), (463, 38930), (467, 38918), (470, 38912), (477, 38891), (487, 38867), (507, 38807), (528,

38741), (574, 38588), (589, 38561), (596, 38540), (612, 38504), (628, 38474), (645, 38450), (653, 38438), (662, 38426), (700, 38357), (748, 38246), (806, 38090), (822, 38033), (829, 38012), (841, 37970), (848, 37940), (855, 37907), (863, 37874), (867, 37853), (872, 37835), (920, 37670), (927, 37652), (931, 37640), (936, 37625), (939, 37616), (989, 37484), (1003, 37439), (1007, 37415), (1008, 37412), (1041, 37340), (1053, 37307), (1060, 37283), (1071, 37262), (1083, 37235),

Gene: Yago84_49 Start: 46049, Stop: 44235, Start Num: 245
Candidate Starts for Yago84_49:
(183, 46139), (187, 46133), (Start: 245 @46049 has 14 MA's), (Start: 258 @46040 has 2 MA's), (Start: 288 @45998 has 1 MA's), (360, 45872), (388, 45830), (413, 45788), (437, 45719), (463, 45680), (467, 45668), (469, 45665), (503, 45590), (511, 45569), (590, 45476), (657, 45350), (666, 45335), (671, 45323), (715, 45233), (800, 45011), (820, 44936), (856, 44822), (859, 44813), (881, 44750), (905, 44711), (910, 44696), (939, 44618), (944, 44606), (945, 44600), (950, 44585), (953, 44576), (958, 44567), (1000, 44489), (1007, 44456), (1008, 44453), (1037, 44399), (1039, 44393), (1045, 44357), (1054, 44333), (1084, 44261),

Gene: Yahalom_57 Start: 53658, Stop: 51841, Start Num: 256
Candidate Starts for Yahalom_57:
(65, 54042), (137, 53841), (Start: 256 @53658 has 51 MA's), (280, 53628), (391, 53448), (463, 53295), (467, 53283), (481, 53253), (489, 53247), (511, 53184), (513, 53178), (567, 53127), (588, 53100), (590, 53091), (609, 53043), (671, 52938), (718, 52842), (747, 52791), (796, 52647), (806, 52608), (814, 52578), (820, 52551), (824, 52539), (854, 52443), (856, 52437), (859, 52428), (861, 52416), (893, 52344), (904, 52314), (910, 52296), (915, 52287), (939, 52218), (944, 52206), (950, 52185), (985, 52116), (996, 52101), (1004, 52077), (1007, 52056), (1018, 52038), (1021, 52032), (1037, 51999), (1039, 51993), (1042, 51975), (1044, 51963), (1050, 51951), (1054, 51939), (1070, 51897), (1084, 51867),

Gene: Yakult_46 Start: 33938, Stop: 31554, Start Num: 57
Candidate Starts for Yakult_46:
(Start: 57 @33938 has 26 MA's), (Start: 67 @33908 has 1 MA's), (103, 33824), (115, 33794), (165, 33686), (176, 33665), (294, 33527), (303, 33512), (333, 33464), (367, 33389), (371, 33383), (373, 33377), (376, 33371), (417, 33302), (426, 33278), (433, 33257), (434, 33254), (437, 33245), (469, 33179), (476, 33158), (494, 33107), (530, 33011), (542, 32957), (569, 32897), (582, 32876), (603, 32819), (611, 32813), (668, 32768), (716, 32720), (722, 32708), (754, 32636), (774, 32594), (778, 32582), (807, 32483), (816, 32441), (823, 32417), (841, 32366), (862, 32273), (874, 32237), (876, 32231), (880, 32225), (883, 32219), (905, 32162), (912, 32138), (970, 31979), (979, 31958), (991, 31919), (1004, 31880), (1006, 31859), (1013, 31838), (1020, 31826), (1032, 31808), (1043, 31760), (1058, 31712), (1064, 31688), (1072, 31667), (1108, 31580),

Gene: Yang_41 Start: 29089, Stop: 31023, Start Num: 188
Candidate Starts for Yang_41:
(Start: 188 @29089 has 1 MA's), (Start: 254 @29158 has 935 MA's), (Start: 288 @29206 has 1 MA's), (436, 29455), (491, 29575), (593, 29752), (596, 29761), (647, 29860), (657, 29875), (666, 29887), (732, 30013), (788, 30151), (819, 30271), (847, 30358), (860, 30415), (862, 30424), (872, 30448), (932, 30598), (1003, 30760), (1060, 30919),

Gene: Yappy_80 Start: 40185, Stop: 38026, Start Num: 219
Candidate Starts for Yappy_80:
(Start: 219 @40185 has 1 MA's), (Start: 245 @40149 has 14 MA's), (Start: 256 @40137 has 51 MA's), (264, 40128), (276, 40113), (291, 40083), (338, 40014), (344, 39999), (370, 39933), (399, 39885), (401, 39882), (423, 39846), (426, 39840), (427, 39837), (437, 39804), (466, 39741), (486, 39696), (502, 39654), (523, 39588), (540, 39534), (599, 39393), (625, 39339), (634, 39321), (669, 39261), (727, 39138), (764, 39027), (776, 38997), (795, 38949), (804, 38913), (810, 38898), (853, 38700),

(855, 38694), (856, 38691), (871, 38640), (877, 38616), (909, 38523), (987, 38331), (988, 38328), (1009, 38250), (1043, 38160), (1053, 38136), (1060, 38112), (1084, 38052),

Gene: Yarn_40 Start: 32156, Stop: 29769, Start Num: 57
Candidate Starts for Yarn_40:
(31, 32228), (33, 32213), (Start: 57 @32156 has 26 MA's), (61, 32147), (63, 32141), (93, 32060), (139, 31940), (165, 31889), (Start: 277 @31757 has 1 MA's), (294, 31730), (346, 31637), (367, 31592), (417, 31514), (434, 31466), (459, 31412), (461, 31409), (469, 31391), (476, 31370), (494, 31319), (497, 31310), (498, 31307), (525, 31232), (537, 31187), (562, 31127), (569, 31112), (611, 31028), (668, 30983), (684, 30959), (706, 30953), (716, 30929), (720, 30920), (753, 30851), (754, 30848), (755, 30845), (807, 30698), (825, 30629), (853, 30530), (862, 30494), (874, 30458), (876, 30452), (880, 30446), (883, 30440), (897, 30416), (905, 30383), (912, 30359), (925, 30314), (945, 30254), (1012, 30062), (1013, 30059), (1058, 29933), (1072, 29888), (1076, 29879),

Gene: Yecey3_46 Start: 30987, Stop: 29194, Start Num: 254
Candidate Starts for Yecey3_46:
(Start: 254 @30987 has 935 MA's), (261, 30978), (386, 30783), (409, 30747), (413, 30741), (426, 30708), (436, 30678), (449, 30651), (455, 30642), (514, 30498), (591, 30405), (680, 30237), (719, 30159), (785, 30039), (787, 30033), (819, 29910), (843, 29844), (855, 29787), (859, 29775), (862, 29757), (902, 29685), (904, 29676), (985, 29478), (1007, 29418), (1041, 29340), (1060, 29283), (1065, 29271), (1085, 29232),

Gene: Yeezus_55 Start: 36878, Stop: 34710, Start Num: 218
Candidate Starts for Yeezus_55:
(Start: 215 @36881 has 328 MA's), (Start: 218 @36878 has 14 MA's), (Start: 256 @36824 has 51 MA's), (309, 36740), (389, 36587), (394, 36578), (420, 36533), (447, 36455), (451, 36446), (460, 36431), (466, 36416), (468, 36413), (491, 36356), (523, 36263), (538, 36221), (625, 36026), (630, 36014), (634, 36008), (647, 35984), (659, 35963), (671, 35942), (679, 35927), (681, 35921), (713, 35858), (735, 35807), (763, 35720), (785, 35660), (798, 35612), (828, 35510), (830, 35504), (838, 35477), (839, 35474), (846, 35453), (856, 35411), (858, 35405), (863, 35381), (876, 35339), (877, 35336), (888, 35309), (901, 35276), (903, 35264), (916, 35228), (925, 35204), (927, 35198), (929, 35192), (947, 35138), (970, 35090), (971, 35087), (996, 35027), (1003, 35003), (1009, 34973), (1036, 34919), (1057, 34850), (1060, 34838), (1076, 34799),

Gene: YesChef_41 Start: 29651, Stop: 31516, Start Num: 254
Candidate Starts for YesChef_41:
(Start: 254 @29651 has 935 MA's), (Start: 288 @29699 has 1 MA's), (436, 29948), (479, 30038), (593, 30245), (596, 30254), (641, 30344), (647, 30353), (657, 30368), (681, 30413), (708, 30458), (732, 30506), (759, 30563), (788, 30644), (812, 30731), (819, 30764), (830, 30794), (847, 30851), (862, 30917), (872, 30941), (903, 31010), (929, 31082), (932, 31091), (971, 31190), (1003, 31253), (1007, 31277), (1053, 31388), (1060, 31412), (1064, 31421),

Gene: Yeshua_54 Start: 47959, Stop: 46142, Start Num: 251
Candidate Starts for Yeshua_54:
(Start: 251 @47959 has 15 MA's), (Start: 258 @47950 has 2 MA's), (280, 47923), (287, 47911), (300, 47887), (305, 47878), (409, 47704), (437, 47629), (477, 47554), (511, 47476), (567, 47419), (590, 47383), (594, 47371), (603, 47347), (658, 47254), (671, 47230), (679, 47212), (796, 46939), (797, 46936), (814, 46870), (820, 46843), (854, 46735), (856, 46729), (859, 46720), (902, 46630), (904, 46621), (905, 46618), (910, 46603), (939, 46525), (944, 46513), (950, 46492), (974, 46444), (1000, 46396), (1007, 46363), (1021, 46339), (1039, 46300), (1041, 46285), (1054, 46240), (1084, 46168),

Gene: Yinz_58 Start: 53540, Stop: 51720, Start Num: 254
Candidate Starts for Yinz_58:

(137, 53720), (Start: 254 @53540 has 935 MA's), (280, 53507), (391, 53327), (463, 53174), (467, 53162), (481, 53132), (489, 53126), (511, 53063), (513, 53057), (567, 53006), (588, 52979), (590, 52970), (609, 52922), (671, 52817), (718, 52721), (747, 52670), (796, 52526), (806, 52487), (814, 52457), (820, 52430), (824, 52418), (854, 52322), (856, 52316), (859, 52307), (861, 52295), (893, 52223), (904, 52193), (910, 52175), (915, 52166), (939, 52097), (944, 52085), (950, 52064), (985, 51995), (996, 51980), (1004, 51956), (1007, 51935), (1021, 51911), (1039, 51872), (1042, 51854), (1044, 51842), (1050, 51830), (1054, 51818), (1070, 51776), (1084, 51746),

Gene: YoSam321_45 Start: 31564, Stop: 29738, Start Num: 254
Candidate Starts for YoSam321_45:
(Start: 254 @31564 has 935 MA's), (271, 31543), (289, 31513), (305, 31483), (413, 31321), (421, 31303), (449, 31231), (455, 31222), (505, 31102), (514, 31078), (591, 30985), (611, 30937), (626, 30916), (647, 30877), (719, 30745), (732, 30724), (755, 30679), (759, 30667), (815, 30514), (819, 30493), (855, 30370), (862, 30340), (875, 30301), (904, 30235), (905, 30232), (910, 30217), (920, 30193), (929, 30169), (1007, 29962), (1060, 29827), (1065, 29815), (1071, 29806),

Gene: Yogi_36 Start: 28087, Stop: 26303, Start Num: 254
Candidate Starts for Yogi_36:
(Start: 254 @28087 has 935 MA's), (407, 27853), (422, 27823), (425, 27814), (426, 27811), (441, 27766), (449, 27754), (455, 27745), (474, 27703), (514, 27601), (548, 27580), (591, 27508), (606, 27463), (609, 27460), (636, 27418), (638, 27412), (647, 27397), (666, 27370), (719, 27265), (734, 27238), (755, 27199), (819, 27019), (834, 26971), (862, 26866), (863, 26863), (899, 26806), (904, 26785), (923, 26737), (948, 26662), (983, 26593), (1003, 26551), (1007, 26527), (1041, 26449), (1060, 26392), (1065, 26380), (1091, 26323),

Gene: Yokurt_45 Start: 29422, Stop: 27581, Start Num: 254
Candidate Starts for Yokurt_45:
(Start: 229 @29452 has 1 MA's), (Start: 254 @29422 has 935 MA's), (386, 29218), (426, 29143), (427, 29140), (436, 29113), (441, 29098), (449, 29086), (474, 29035), (510, 28945), (514, 28933), (591, 28840), (605, 28801), (618, 28783), (626, 28768), (666, 28702), (681, 28669), (683, 28666), (735, 28564), (767, 28504), (798, 28420), (819, 28339), (846, 28255), (847, 28252), (850, 28243), (855, 28216), (862, 28186), (899, 28126), (910, 28087), (1003, 27871), (1004, 27868), (1007, 27847), (1060, 27712), (1065, 27700), (1071, 27691), (1073, 27688), (1111, 27595),

Gene: Yoncess_36 Start: 28088, Stop: 26304, Start Num: 254
Candidate Starts for Yoncess_36:
(Start: 254 @28088 has 935 MA's), (407, 27854), (422, 27824), (425, 27815), (426, 27812), (441, 27767), (449, 27755), (474, 27704), (514, 27602), (548, 27581), (591, 27509), (606, 27464), (609, 27461), (636, 27419), (638, 27413), (639, 27410), (647, 27398), (666, 27371), (697, 27317), (719, 27266), (734, 27239), (755, 27200), (819, 27020), (834, 26972), (862, 26867), (863, 26864), (899, 26807), (904, 26786), (923, 26738), (948, 26663), (983, 26594), (1003, 26552), (1007, 26528), (1041, 26450), (1060, 26393), (1065, 26381), (1091, 26324),

Gene: Yoshand_62 Start: 54312, Stop: 52453, Start Num: 215
Candidate Starts for Yoshand_62:
(Start: 198 @54336 has 1 MA's), (Start: 215 @54312 has 328 MA's), (Start: 245 @54288 has 14 MA's), (Start: 258 @54282 has 2 MA's), (Start: 288 @54240 has 1 MA's), (300, 54219), (360, 54105), (363, 54099), (382, 54069), (418, 54009), (425, 53988), (442, 53934), (454, 53922), (464, 53904), (469, 53892), (511, 53787), (567, 53730), (590, 53694), (594, 53682), (603, 53658), (609, 53646), (620, 53628), (630, 53610), (641, 53592), (666, 53553), (670, 53544), (671, 53541), (673, 53538), (813, 53181), (820, 53148), (827, 53127), (856, 53034), (859, 53025), (881, 52962), (904, 52926), (905, 52923), (910, 52908), (939, 52830), (944, 52818), (950, 52797), (970, 52758), (1007, 52668), (1018, 52650), (1021, 52644), (1029, 52629), (1039, 52605), (1041, 52590), (1042, 52587), (1044,

52575), (1054, 52551), (1073, 52503), (1084, 52479),

Gene: YouGoGlencoco_61 Start: 54264, Stop: 52405, Start Num: 215
Candidate Starts for YouGoGlencoco_61:
(Start: 198 @54288 has 1 MA's), (Start: 215 @54264 has 328 MA's), (Start: 245 @54240 has 14 MA's), (Start: 258 @54234 has 2 MA's), (Start: 288 @54192 has 1 MA's), (300, 54171), (360, 54057), (363, 54051), (382, 54021), (418, 53961), (425, 53940), (442, 53886), (454, 53874), (464, 53856), (469, 53844), (511, 53739), (567, 53682), (590, 53646), (594, 53634), (605, 53607), (620, 53580), (630, 53562), (641, 53544), (666, 53505), (670, 53496), (671, 53493), (783, 53235), (813, 53133), (820, 53100), (827, 53079), (856, 52986), (859, 52977), (881, 52914), (904, 52878), (905, 52875), (910, 52860), (939, 52782), (944, 52770), (950, 52749), (970, 52710), (1007, 52620), (1018, 52602), (1021, 52596), (1029, 52581), (1039, 52557), (1041, 52542), (1042, 52539), (1044, 52527), (1054, 52503), (1073, 52455), (1084, 52431),

Gene: Yucky_47 Start: 34461, Stop: 32086, Start Num: 58
Candidate Starts for Yucky_47:
(Start: 58 @34461 has 15 MA's), (80, 34401), (99, 34359), (115, 34320), (165, 34200), (176, 34179), (213, 34155), (270, 34077), (Start: 275 @34071 has 3 MA's), (Start: 277 @34068 has 1 MA's), (297, 34038), (323, 33990), (341, 33963), (Start: 342 @33960 has 5 MA's), (367, 33903), (392, 33864), (406, 33843), (426, 33801), (434, 33777), (437, 33768), (438, 33762), (441, 33756), (459, 33723), (469, 33702), (476, 33681), (537, 33498), (539, 33492), (569, 33423), (591, 33381), (668, 33294), (706, 33270), (716, 33246), (730, 33216), (754, 33165), (755, 33162), (761, 33147), (773, 33126), (810, 33000), (823, 32952), (825, 32943), (841, 32901), (862, 32808), (874, 32772), (876, 32766), (880, 32760), (883, 32754), (905, 32697), (912, 32673), (945, 32568), (946, 32565), (986, 32472), (991, 32454), (1004, 32415), (1013, 32373), (1027, 32349), (1039, 32319), (1050, 32271), (1058, 32247), (1108, 32115),

Gene: Yummy_45 Start: 32562, Stop: 30172, Start Num: 45
Candidate Starts for Yummy_45:
(Start: 45 @32562 has 21 MA's), (80, 32499), (87, 32481), (93, 32466), (115, 32412), (118, 32400), (124, 32379), (139, 32346), (152, 32319), (165, 32295), (201, 32268), (Start: 277 @32163 has 1 MA's), (307, 32115), (367, 31998), (417, 31917), (427, 31890), (434, 31869), (459, 31815), (461, 31812), (469, 31794), (476, 31773), (497, 31713), (569, 31515), (591, 31473), (668, 31386), (684, 31362), (706, 31356), (730, 31302), (733, 31296), (753, 31254), (754, 31251), (755, 31248), (807, 31101), (816, 31059), (825, 31032), (841, 30990), (862, 30897), (874, 30861), (876, 30855), (880, 30849), (883, 30843), (897, 30819), (905, 30786), (912, 30762), (925, 30717), (945, 30657), (1004, 30504), (1058, 30336), (1072, 30291), (1076, 30282), (1079, 30273),

Gene: YuuY_37 Start: 29162, Stop: 27261, Start Num: 337
Candidate Starts for YuuY_37:
(Start: 337 @29162 has 44 MA's), (408, 29024), (418, 29009), (420, 29003), (430, 28976), (438, 28952), (459, 28916), (476, 28874), (478, 28868), (496, 28817), (511, 28778), (531, 28718), (554, 28649), (582, 28592), (588, 28583), (591, 28571), (601, 28541), (641, 28505), (731, 28337), (749, 28292), (791, 28181), (852, 27956), (853, 27950), (856, 27941), (862, 27914), (912, 27785), (927, 27734), (1004, 27527), (1007, 27503), (1022, 27470), (1025, 27464), (1058, 27359),

Gene: Zada_39 Start: 28906, Stop: 27041, Start Num: 339
Candidate Starts for Zada_39:
(Start: 275 @28993 has 3 MA's), (Start: 277 @28990 has 1 MA's), (Start: 339 @28906 has 121 MA's), (Start: 342 @28897 has 5 MA's), (392, 28792), (398, 28783), (418, 28753), (419, 28750), (472, 28630), (476, 28618), (478, 28612), (518, 28507), (525, 28480), (582, 28339), (587, 28333), (588, 28330), (591, 28318), (600, 28291), (601, 28288), (612, 28273), (634, 28267), (637, 28261), (657, 28228), (725, 28099), (749, 28039), (855, 27724), (858, 27715), (859, 27712), (862, 27694), (876, 27652),

(880, 27646), (884, 27637), (895, 27622), (912, 27565), (970, 27406), (982, 27376), (985, 27367), (1004, 27307), (1007, 27283), (1025, 27244), (1039, 27211), (1040, 27199), (1058, 27139),

Gene: Zaider_61 Start: 54505, Stop: 52646, Start Num: 215
Candidate Starts for Zaider_61:
(Start: 198 @54529 has 1 MA's), (Start: 215 @54505 has 328 MA's), (Start: 245 @54481 has 14 MA's), (Start: 258 @54475 has 2 MA's), (Start: 288 @54433 has 1 MA's), (300, 54412), (360, 54298), (363, 54292), (382, 54262), (418, 54202), (425, 54181), (442, 54127), (454, 54115), (464, 54097), (469, 54085), (511, 53980), (567, 53923), (590, 53887), (594, 53875), (603, 53851), (609, 53839), (620, 53821), (630, 53803), (641, 53785), (666, 53746), (670, 53737), (671, 53734), (673, 53731), (813, 53374), (820, 53341), (827, 53320), (856, 53227), (859, 53218), (881, 53155), (904, 53119), (905, 53116), (910, 53101), (939, 53023), (944, 53011), (950, 52990), (970, 52951), (1007, 52861), (1018, 52843), (1021, 52837), (1029, 52822), (1039, 52798), (1041, 52783), (1042, 52780), (1044, 52768), (1054, 52744), (1073, 52696), (1084, 52672),

Gene: Zaka_45 Start: 29422, Stop: 27581, Start Num: 254
Candidate Starts for Zaka_45:
(Start: 229 @29452 has 1 MA's), (Start: 254 @29422 has 935 MA's), (386, 29218), (426, 29143), (427, 29140), (436, 29113), (441, 29098), (449, 29086), (474, 29035), (510, 28945), (514, 28933), (591, 28840), (605, 28801), (618, 28783), (626, 28768), (666, 28702), (681, 28669), (683, 28666), (735, 28564), (767, 28504), (798, 28420), (819, 28339), (846, 28255), (847, 28252), (850, 28243), (855, 28216), (862, 28186), (899, 28126), (910, 28087), (1003, 27871), (1004, 27868), (1007, 27847), (1060, 27712), (1065, 27700), (1071, 27691), (1073, 27688), (1111, 27595),

Gene: Zarafa_45 Start: 31444, Stop: 29606, Start Num: 254
Candidate Starts for Zarafa_45:
(202, 31516), (Start: 254 @31444 has 935 MA's), (289, 31393), (386, 31240), (422, 31180), (426, 31168), (449, 31111), (455, 31102), (463, 31090), (505, 30982), (514, 30958), (591, 30862), (611, 30814), (647, 30754), (683, 30691), (719, 30622), (732, 30601), (767, 30532), (770, 30526), (787, 30487), (819, 30364), (847, 30277), (855, 30241), (862, 30211), (873, 30181), (905, 30100), (920, 30061), (929, 30037), (935, 30019), (985, 29890), (1007, 29830), (1060, 29695), (1065, 29683), (1071, 29674),

Gene: Zareef_40 Start: 32040, Stop: 29683, Start Num: 57
Candidate Starts for Zareef_40:
(55, 32049), (Start: 57 @32040 has 26 MA's), (63, 32025), (74, 31989), (131, 31854), (165, 31791), (Start: 210 @31749 has 3 MA's), (Start: 219 @31737 has 1 MA's), (292, 31635), (297, 31632), (341, 31557), (358, 31518), (367, 31497), (403, 31446), (424, 31404), (434, 31374), (459, 31320), (469, 31299), (476, 31278), (498, 31215), (541, 31080), (546, 31065), (560, 31038), (569, 31020), (611, 30936), (664, 30900), (733, 30807), (753, 30765), (754, 30762), (755, 30759), (768, 30735), (774, 30723), (778, 30711), (816, 30570), (825, 30543), (862, 30408), (874, 30372), (876, 30366), (880, 30360), (883, 30354), (897, 30330), (905, 30297), (912, 30273), (925, 30228), (927, 30222), (947, 30162), (991, 30054), (1009, 29985), (1013, 29973), (1027, 29949), (1050, 29871), (1058, 29847), (1081, 29778),

Gene: Zayuliv_37 Start: 27590, Stop: 25725, Start Num: 337
Candidate Starts for Zayuliv_37:
(Start: 337 @27590 has 44 MA's), (341, 27584), (387, 27485), (392, 27476), (408, 27452), (418, 27437), (420, 27431), (438, 27380), (441, 27377), (478, 27296), (531, 27146), (533, 27143), (569, 27044), (587, 27017), (588, 27014), (591, 27002), (601, 26972), (634, 26951), (654, 26915), (731, 26768), (798, 26588), (855, 26408), (862, 26378), (883, 26324), (895, 26306), (912, 26249), (918, 26222), (933, 26180), (982, 26060), (985, 26051), (1004, 25991), (1007, 25967), (1011, 25955), (1015, 25946), (1025, 25928), (1039, 25895), (1058, 25823),

Gene: Zeeculate_43 Start: 34848, Stop: 33013, Start Num: 254
Candidate Starts for Zeeculate_43:
(Start: 254 @34848 has 935 MA's), (369, 34677), (400, 34620), (436, 34542), (443, 34521), (449, 34515), (455, 34506), (494, 34413), (504, 34389), (514, 34362), (591, 34269), (596, 34254), (609, 34221), (639, 34170), (641, 34167), (680, 34101), (701, 34071), (711, 34041), (734, 33996), (755, 33957), (819, 33777), (830, 33747), (834, 33729), (847, 33690), (862, 33624), (904, 33543), (905, 33540), (935, 33459), (1003, 33309), (1004, 33306), (1012, 33270), (1029, 33246), (1038, 33225), (1060, 33150), (1071, 33129),

Gene: Zelda_61 Start: 54666, Stop: 52807, Start Num: 215
Candidate Starts for Zelda_61:
(Start: 198 @54690 has 1 MA's), (Start: 215 @54666 has 328 MA's), (Start: 245 @54642 has 14 MA's), (Start: 258 @54636 has 2 MA's), (Start: 288 @54594 has 1 MA's), (300, 54573), (360, 54459), (363, 54453), (382, 54423), (418, 54363), (425, 54342), (442, 54288), (454, 54276), (464, 54258), (469, 54246), (511, 54141), (567, 54084), (590, 54048), (594, 54036), (605, 54009), (630, 53964), (666, 53907), (670, 53898), (671, 53895), (813, 53535), (820, 53502), (827, 53481), (856, 53388), (859, 53379), (881, 53316), (904, 53280), (905, 53277), (910, 53262), (939, 53184), (944, 53172), (950, 53151), (970, 53112), (1007, 53022), (1018, 53004), (1021, 52998), (1029, 52983), (1039, 52959), (1041, 52944), (1042, 52941), (1044, 52929), (1054, 52905), (1073, 52857), (1084, 52833),

Gene: Zemanar_54 Start: 53874, Stop: 52054, Start Num: 212
Candidate Starts for Zemanar_54:
(Start: 190 @53892 has 4 MA's), (Start: 212 @53874 has 1 MA's), (Start: 258 @53850 has 2 MA's), (280, 53823), (Start: 288 @53808 has 1 MA's), (338, 53736), (340, 53730), (413, 53601), (418, 53592), (419, 53589), (426, 53568), (433, 53544), (452, 53508), (455, 53502), (469, 53478), (470, 53475), (477, 53460), (481, 53451), (487, 53448), (567, 53325), (582, 53307), (590, 53289), (594, 53277), (605, 53250), (670, 53139), (671, 53136), (679, 53118), (684, 53106), (708, 53064), (712, 53052), (747, 52989), (796, 52845), (797, 52842), (806, 52806), (813, 52782), (814, 52776), (820, 52749), (856, 52635), (859, 52626), (902, 52536), (904, 52527), (910, 52509), (939, 52431), (944, 52419), (950, 52398), (958, 52380), (970, 52359), (985, 52329), (1007, 52269), (1018, 52251), (1021, 52245), (1039, 52206), (1041, 52191), (1042, 52188), (1044, 52176), (1054, 52152), (1070, 52110), (1073, 52104), (1075, 52101), (1084, 52080),

Gene: Zenitsu_38 Start: 28753, Stop: 26888, Start Num: 337
Candidate Starts for Zenitsu_38:
(Start: 337 @28753 has 44 MA's), (381, 28654), (420, 28594), (438, 28543), (476, 28465), (478, 28459), (494, 28414), (495, 28411), (496, 28408), (511, 28369), (531, 28309), (582, 28186), (588, 28177), (591, 28165), (595, 28153), (601, 28135), (634, 28114), (639, 28102), (731, 27931), (796, 27763), (850, 27598), (858, 27562), (862, 27541), (876, 27499), (912, 27412), (925, 27367), (962, 27268), (982, 27223), (1004, 27154), (1007, 27130), (1022, 27097), (1058, 26986),

Gene: Zenteno07_62 Start: 54178, Stop: 52334, Start Num: 236
Candidate Starts for Zenteno07_62:
(Start: 236 @54178 has 5 MA's), (Start: 288 @54121 has 1 MA's), (Start: 304 @54094 has 2 MA's), (332, 54058), (363, 53992), (418, 53905), (426, 53881), (435, 53851), (442, 53830), (463, 53806), (469, 53791), (511, 53686), (590, 53593), (594, 53581), (609, 53545), (671, 53440), (747, 53293), (775, 53209), (777, 53203), (796, 53143), (797, 53140), (806, 53104), (813, 53080), (820, 53047), (856, 52933), (859, 52924), (904, 52810), (910, 52792), (939, 52714), (944, 52702), (950, 52681), (985, 52612), (996, 52597), (1007, 52552), (1021, 52528), (1039, 52489), (1041, 52474), (1044, 52459), (1054, 52435), (1070, 52390), (1073, 52384), (1084, 52360),

Gene: Zephyr_44 Start: 34559, Stop: 32733, Start Num: 254

Candidate Starts for Zephyr_44:
(Start: 254 @34559 has 935 MA's), (369, 34388), (391, 34346), (400, 34331), (426, 34283), (436, 34253), (443, 34232), (449, 34226), (455, 34217), (504, 34100), (514, 34073), (591, 33980), (596, 33965), (639, 33881), (641, 33878), (680, 33812), (701, 33782), (711, 33752), (734, 33707), (755, 33668), (819, 33488), (830, 33458), (834, 33440), (847, 33401), (862, 33335), (904, 33254), (905, 33251), (935, 33170), (1003, 33020), (1004, 33017), (1012, 32981), (1029, 32957), (1034, 32948), (1038, 32936), (1060, 32861), (1071, 32840),

Gene: Zepp_38 Start: 27049, Stop: 25184, Start Num: 337
Candidate Starts for Zepp_38:
(Start: 337 @27049 has 44 MA's), (341, 27043), (387, 26944), (392, 26935), (408, 26911), (418, 26896), (420, 26890), (438, 26839), (441, 26836), (478, 26755), (501, 26695), (531, 26605), (533, 26602), (569, 26503), (587, 26476), (588, 26473), (591, 26461), (601, 26431), (634, 26410), (654, 26374), (731, 26227), (798, 26047), (855, 25867), (862, 25837), (883, 25783), (895, 25765), (912, 25708), (918, 25681), (933, 25639), (982, 25519), (985, 25510), (1004, 25450), (1007, 25426), (1011, 25414), (1015, 25405), (1025, 25387), (1039, 25354), (1058, 25282),

Gene: Zeta1847_40 Start: 29119, Stop: 31065, Start Num: 253
Candidate Starts for Zeta1847_40:
(147, 28978), (159, 29005), (194, 29059), (197, 29062), (Start: 253 @29119 has 33 MA's), (Start: 288 @29167 has 1 MA's), (332, 29227), (361, 29284), (371, 29293), (386, 29323), (424, 29380), (427, 29389), (463, 29464), (513, 29593), (587, 29692), (593, 29713), (638, 29806), (647, 29821), (657, 29836), (732, 29974), (762, 30040), (787, 30112), (819, 30235), (827, 30256), (853, 30352), (855, 30358), (884, 30442), (910, 30505), (920, 30529), (927, 30547), (936, 30574), (982, 30679), (1004, 30727), (1029, 30787), (1060, 30883), (1081, 30928),

Gene: Zetzy_47 Start: 31416, Stop: 29602, Start Num: 254
Candidate Starts for Zetzy_47:
(Start: 254 @31416 has 935 MA's), (284, 31377), (289, 31365), (386, 31212), (395, 31197), (426, 31140), (449, 31083), (455, 31074), (474, 31032), (494, 30981), (514, 30930), (591, 30837), (609, 30789), (618, 30780), (626, 30765), (647, 30726), (666, 30699), (680, 30669), (719, 30591), (727, 30576), (758, 30516), (767, 30501), (819, 30345), (846, 30261), (847, 30258), (862, 30192), (875, 30153), (905, 30081), (920, 30042), (929, 30018), (935, 30000), (946, 29967), (956, 29940), (985, 29886), (1007, 29826), (1060, 29691), (1065, 29679), (1071, 29670),

Gene: Zeuska_44 Start: 34791, Stop: 32962, Start Num: 254
Candidate Starts for Zeuska_44:
(Start: 254 @34791 has 935 MA's), (391, 34578), (400, 34563), (426, 34515), (436, 34485), (443, 34464), (449, 34458), (455, 34449), (504, 34332), (514, 34305), (591, 34212), (596, 34197), (609, 34164), (639, 34113), (641, 34110), (680, 34044), (701, 34014), (711, 33984), (734, 33939), (755, 33900), (819, 33720), (834, 33672), (850, 33624), (859, 33585), (862, 33567), (875, 33528), (899, 33507), (904, 33486), (909, 33471), (953, 33348), (1035, 33177), (1040, 33153), (1057, 33105), (1060, 33093), (1071, 33072), (1075, 33066), (1094, 33018), (1101, 33003),

Gene: Zimmer_42 Start: 32129, Stop: 30285, Start Num: 254
Candidate Starts for Zimmer_42:
(157, 32273), (173, 32246), (Start: 254 @32129 has 935 MA's), (349, 31991), (371, 31955), (386, 31925), (413, 31883), (427, 31847), (443, 31799), (449, 31793), (463, 31772), (510, 31652), (514, 31640), (591, 31547), (594, 31538), (609, 31499), (618, 31490), (626, 31475), (666, 31409), (690, 31361), (725, 31292), (767, 31211), (786, 31169), (798, 31124), (806, 31097), (819, 31043), (836, 30992), (847, 30956), (862, 30890), (875, 30851), (899, 30830), (904, 30809), (946, 30692), (975, 30629), (1003, 30575), (1004, 30572), (1007, 30551), (1037, 30494), (1041, 30473), (1060, 30416), (1065, 30404), (1091, 30347),

Gene: Zolita_39 Start: 31121, Stop: 29256, Start Num: 254
Candidate Starts for Zolita_39:
(Start: 254 @31121 has 935 MA's), (289, 31070), (334, 31010), (371, 30947), (386, 30917), (388, 30914), (422, 30857), (436, 30815), (449, 30788), (514, 30635), (591, 30539), (602, 30506), (609, 30491), (659, 30407), (666, 30401), (681, 30368), (727, 30281), (734, 30269), (755, 30230), (783, 30170), (819, 30035), (830, 30005), (834, 29987), (846, 29951), (847, 29948), (862, 29882), (875, 29843), (904, 29801), (910, 29783), (929, 29735), (931, 29729), (946, 29684), (971, 29630), (975, 29621), (985, 29603), (1018, 29525), (1040, 29468), (1053, 29432), (1060, 29408), (1065, 29396), (1119, 29264),

Gene: Zonia_62 Start: 54586, Stop: 52727, Start Num: 215
Candidate Starts for Zonia_62:
(Start: 198 @54610 has 1 MA's), (Start: 215 @54586 has 328 MA's), (Start: 245 @54562 has 14 MA's), (Start: 258 @54556 has 2 MA's), (Start: 288 @54514 has 1 MA's), (300, 54493), (360, 54379), (363, 54373), (382, 54343), (418, 54283), (425, 54262), (442, 54208), (454, 54196), (464, 54178), (469, 54166), (511, 54061), (567, 54004), (590, 53968), (594, 53956), (605, 53929), (630, 53884), (666, 53827), (670, 53818), (671, 53815), (783, 53557), (813, 53455), (820, 53422), (827, 53401), (856, 53308), (859, 53299), (881, 53236), (904, 53200), (905, 53197), (910, 53182), (939, 53104), (944, 53092), (950, 53071), (970, 53032), (1007, 52942), (1018, 52924), (1021, 52918), (1029, 52903), (1039, 52879), (1041, 52864), (1042, 52861), (1044, 52849), (1054, 52825), (1060, 52804), (1073, 52777), (1084, 52753), (1089, 52738),

Gene: Zooman_100 Start: 78594, Stop: 76723, Start Num: 249
Candidate Starts for Zooman_100:
(205, 78654), (207, 78648), (Start: 224 @78624 has 2 MA's), (230, 78615), (237, 78606), (Start: 249 @78594 has 3 MA's), (369, 78393), (409, 78333), (418, 78318), (467, 78210), (470, 78204), (512, 78111), (518, 78093), (562, 78066), (594, 78018), (632, 77934), (647, 77907), (681, 77847), (703, 77814), (721, 77772), (755, 77709), (768, 77682), (778, 77661), (819, 77520), (835, 77469), (852, 77406), (873, 77322), (879, 77307), (884, 77298), (917, 77211), (920, 77202), (932, 77169), (996, 77013), (1035, 76917), (1041, 76890), (1045, 76869), (1060, 76833),

Gene: Zuko_78 Start: 57486, Stop: 60083, Start Num: 27
Candidate Starts for Zuko_78:
(Start: 27 @57486 has 1 MA's), (34, 57528), (38, 57549), (40, 57558), (Start: 48 @57591 has 1 MA's), (94, 57720), (Start: 96 @57726 has 1 MA's), (143, 57849), (184, 57927), (228, 57990), (Start: 253 @58023 has 33 MA's), (260, 58032), (308, 58110), (317, 58122), (Start: 342 @58167 has 5 MA's), (367, 58236), (378, 58257), (459, 58416), (465, 58431), (476, 58458), (497, 58518), (503, 58530), (526, 58578), (569, 58695), (664, 58815), (750, 58995), (754, 59010), (755, 59013), (791, 59103), (803, 59148), (825, 59232), (848, 59304), (855, 59337), (862, 59367), (874, 59403), (876, 59409), (880, 59415), (883, 59421), (905, 59478), (912, 59502), (960, 59643), (979, 59682), (1006, 59781), (1012, 59799), (1027, 59826), (1046, 59895), (1053, 59913), (1058, 59928), (1070, 59967), (1072, 59973), (1092, 60021),

Gene: Zulu_46 Start: 29773, Stop: 27932, Start Num: 254
Candidate Starts for Zulu_46:
(Start: 229 @29803 has 1 MA's), (Start: 254 @29773 has 935 MA's), (386, 29569), (426, 29494), (427, 29491), (436, 29464), (441, 29449), (449, 29437), (474, 29386), (510, 29296), (514, 29284), (591, 29191), (605, 29152), (618, 29134), (626, 29119), (666, 29053), (681, 29020), (683, 29017), (735, 28915), (767, 28855), (798, 28771), (819, 28690), (846, 28606), (847, 28603), (850, 28594), (855, 28567), (862, 28537), (899, 28477), (910, 28438), (1003, 28222), (1004, 28219), (1007, 28198), (1060, 28063), (1065, 28051), (1071, 28042), (1073, 28039), (1111, 27946),

Gene: phiBT1_11 Start: 28224, Stop: 30098, Start Num: 254
Candidate Starts for phiBT1_11:
(Start: 254 @28224 has 935 MA's), (305, 28305), (338, 28338), (386, 28425), (432, 28512), (436, 28527), (443, 28548), (455, 28563), (513, 28704), (588, 28785), (593, 28803), (618, 28860), (639, 28902), (647, 28914), (658, 28932), (679, 28968), (719, 29046), (726, 29058), (732, 29067), (755, 29112), (759, 29124), (764, 29136), (796, 29232), (808, 29274), (819, 29325), (834, 29376), (853, 29448), (855, 29454), (856, 29457), (859, 29466), (862, 29484), (874, 29550), (902, 29604), (969, 29781), (971, 29787), (996, 29829), (1000, 29841), (1007, 29874), (1012, 29889), (1021, 29898), (1035, 29925), (1041, 29952), (1060, 30009), (1063, 30015), (1071, 30030),

Gene: phiSASD1_12 Start: 28284, Stop: 30140, Start Num: 254
Candidate Starts for phiSASD1_12:
(Start: 254 @28284 has 935 MA's), (Start: 288 @28332 has 1 MA's), (289, 28335), (407, 28530), (454, 28638), (484, 28701), (593, 28881), (618, 28938), (636, 28971), (647, 28992), (708, 29097), (755, 29190), (762, 29208), (804, 29343), (815, 29382), (819, 29403), (822, 29409), (834, 29451), (847, 29490), (848, 29493), (852, 29514), (855, 29526), (856, 29529), (862, 29556), (884, 29610), (920, 29697), (936, 29742), (967, 29820), (1021, 29940), (1040, 29991), (1060, 30051),