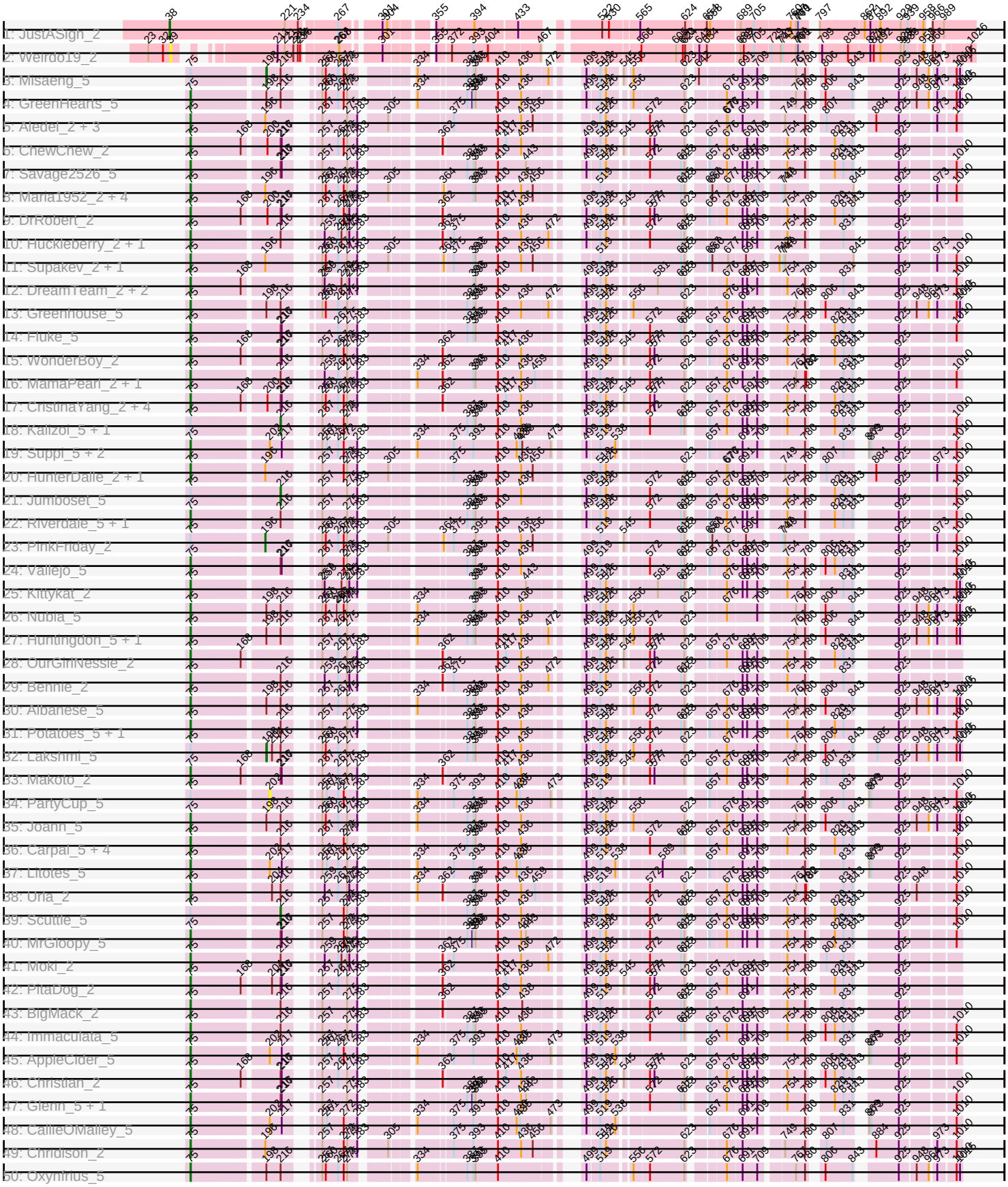
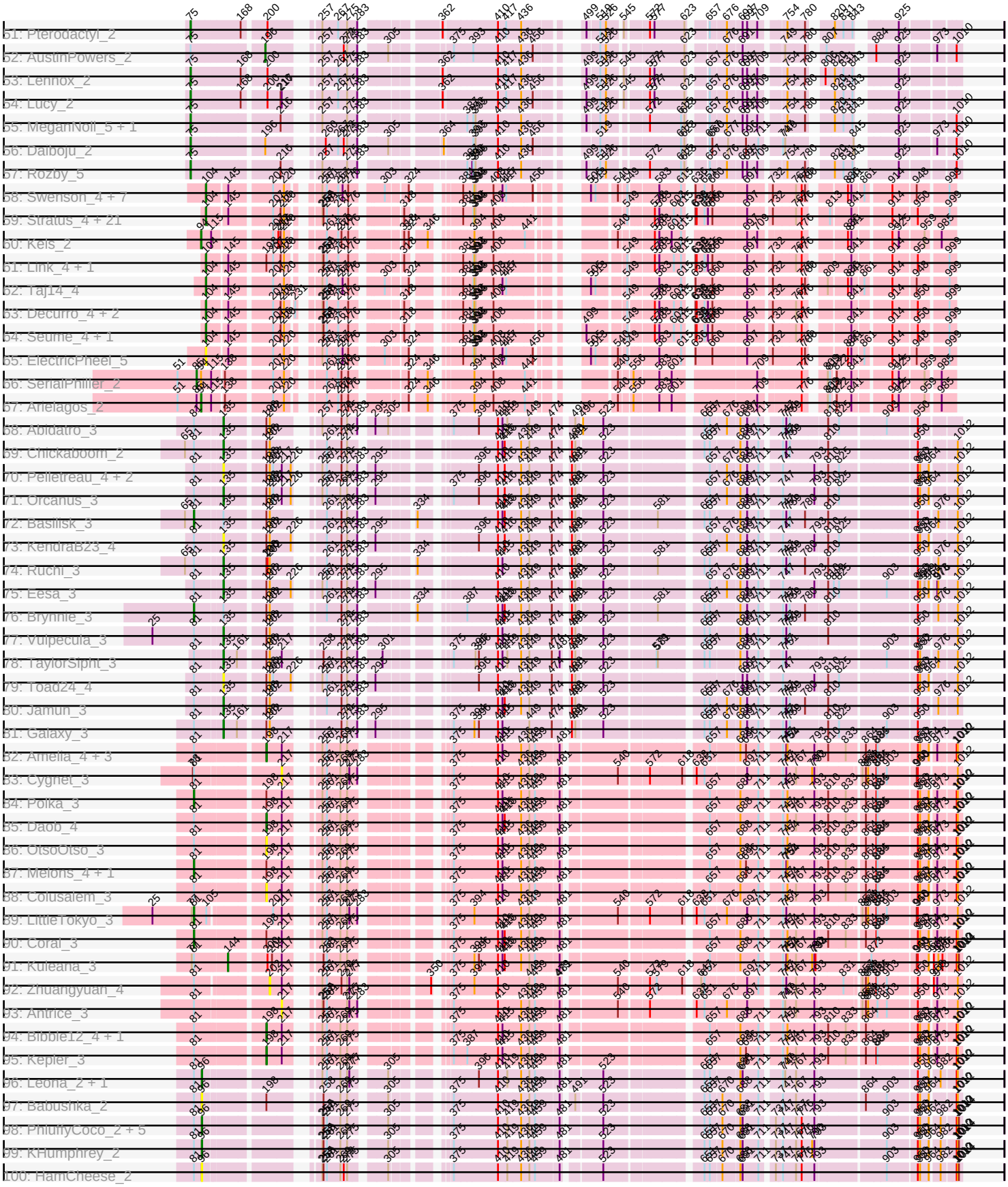
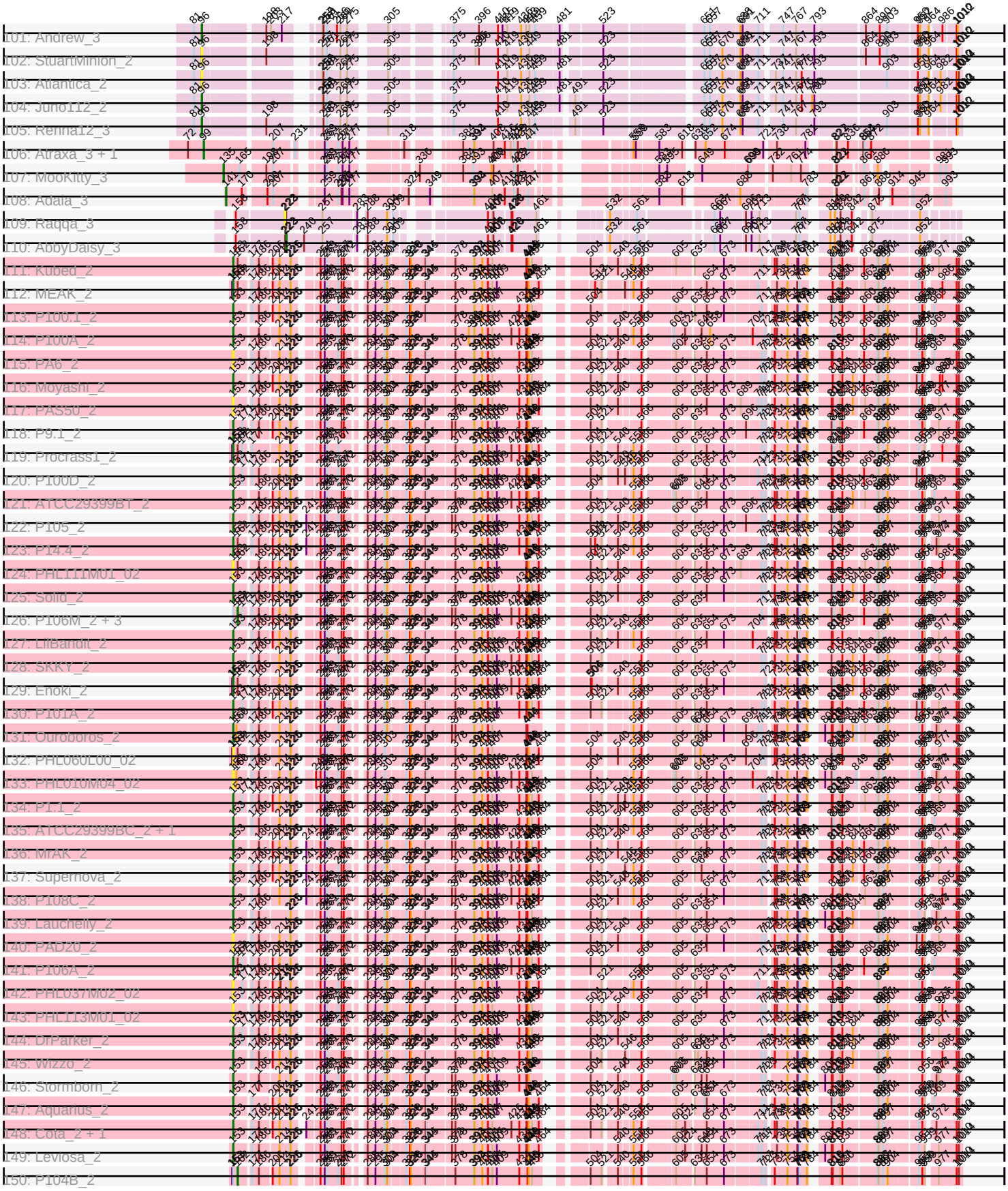
Pham 215637



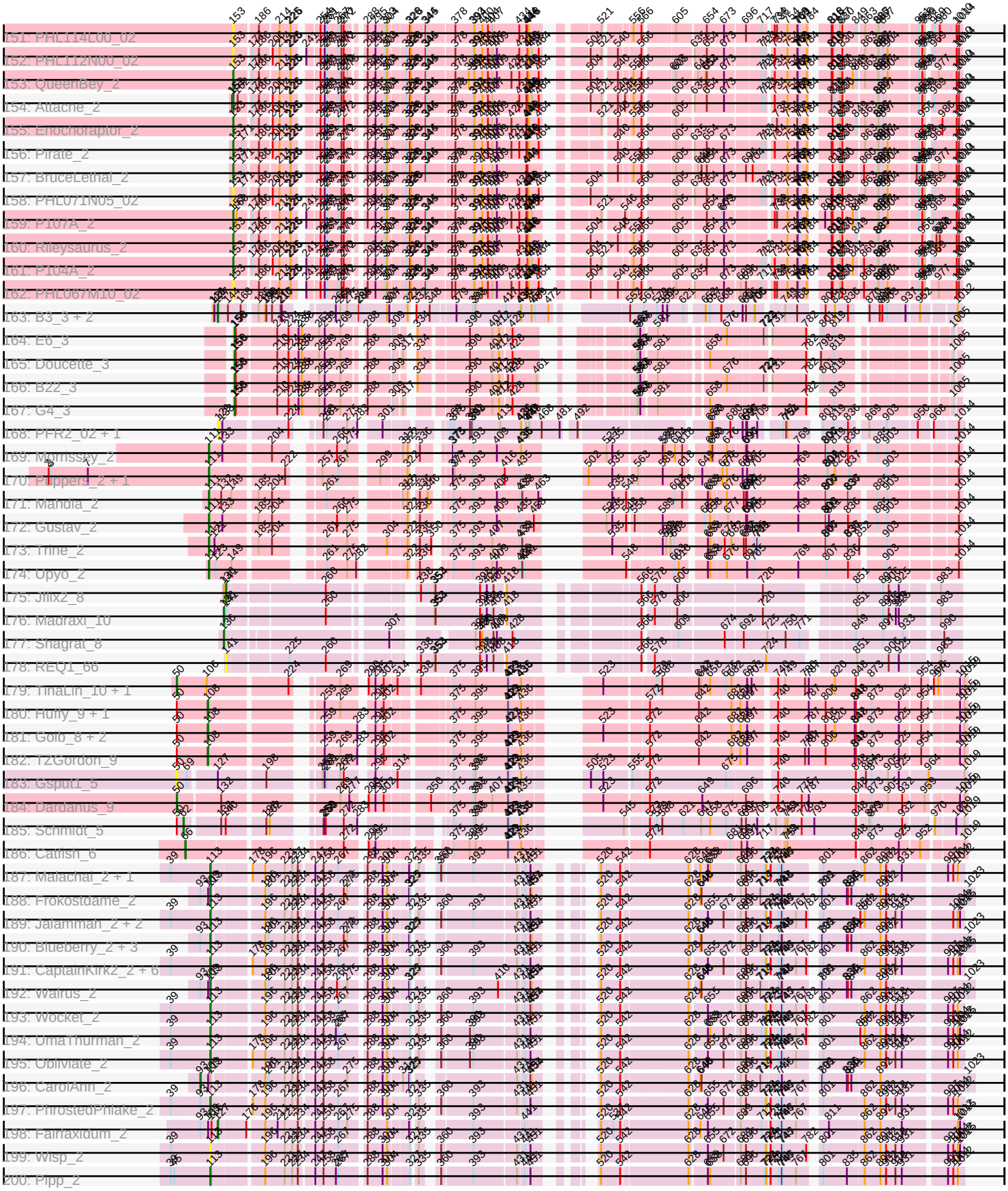
Pham 215637



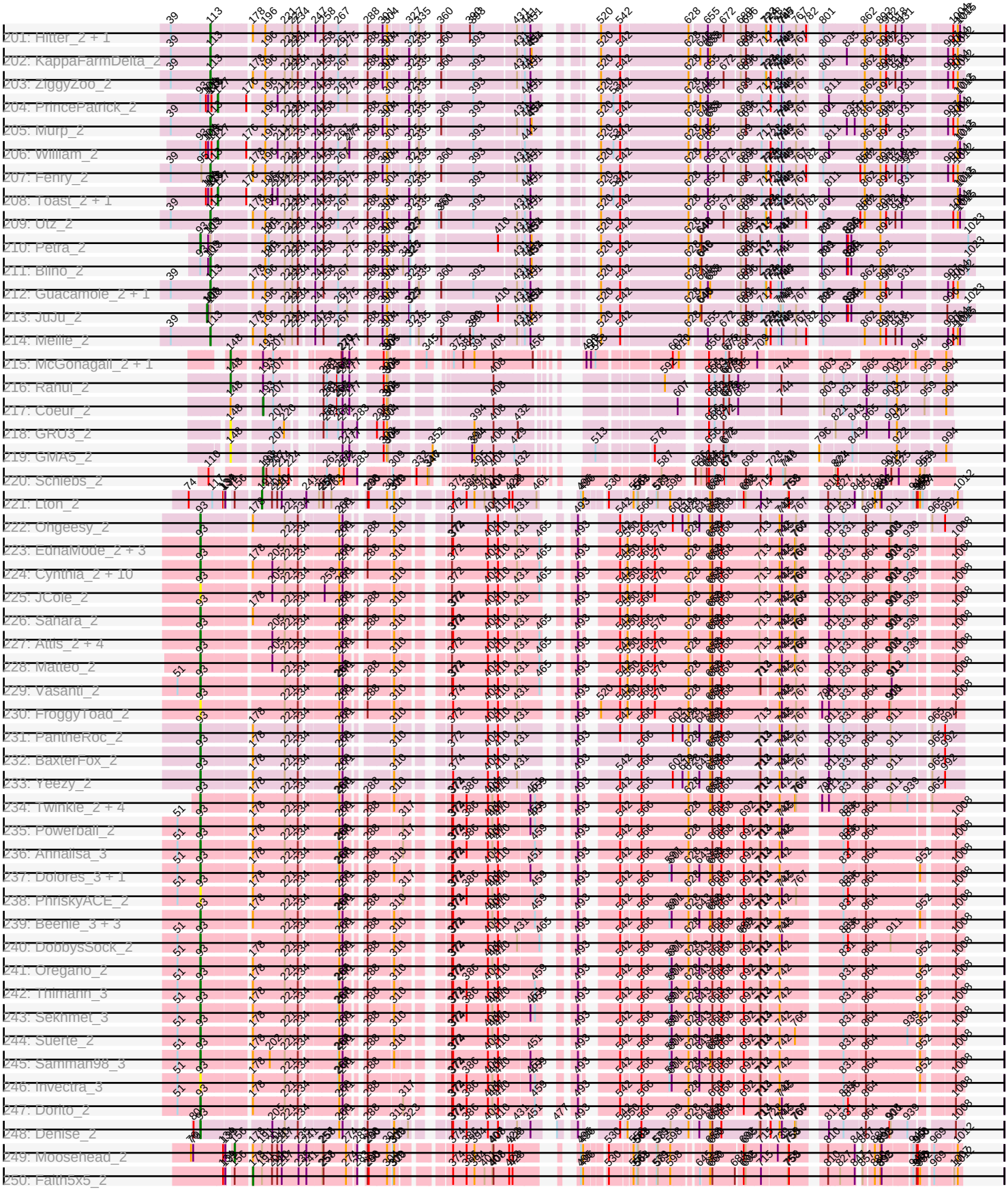
Pham 215637


I01: Andrew_3
I02: StuartMinion_2
I03: Atlantica_2
I04: Juno112_2
I05: Renna12_3
I06: Atraxa_3 + 1
I07: MooKitty_3
I08: Adala_3
I09: Raqqa_3
I10: AbbyDaisy_3
I11: Kubed_2
I12: MEAK_2
I13: P100.1_2
I14: P100A_2
I15: PA6_2
I16: Moyashi_2
I17: PAS50_2
I18: P9.1_2
I19: Procrass1_2
I20: P100D_2
I21: ATCC29399BT_2
I22: P105_2
I23: P14.4_2
I24: PHL111M01_02
I25: Solid_2
I26: P106M_2 + 3
I27: LilBandit_2
I28: SKKY_2
I29: Enoki_2
I30: P101A_2
I31: Ouroboros_2
I32: PHL060L00_02
I33: PHL010M04_02
I34: P1.1_2
I35: ATCC29399BC_2 + 1
I36: MrAK_2
I37: Supernova_2
I38: P108C_2
I39: Lauchelly_2
I40: PAD20_2
I41: P106A_2
I42: PHL037M02_02
I43: PHL113M01_02
I44: DrParker_2
I45: Wizzo_2
I46: Stormborn_2
I47: Aquarius_2
I48: Cota_2 + 1
I49: Leviosa_2
I50: P104B_2

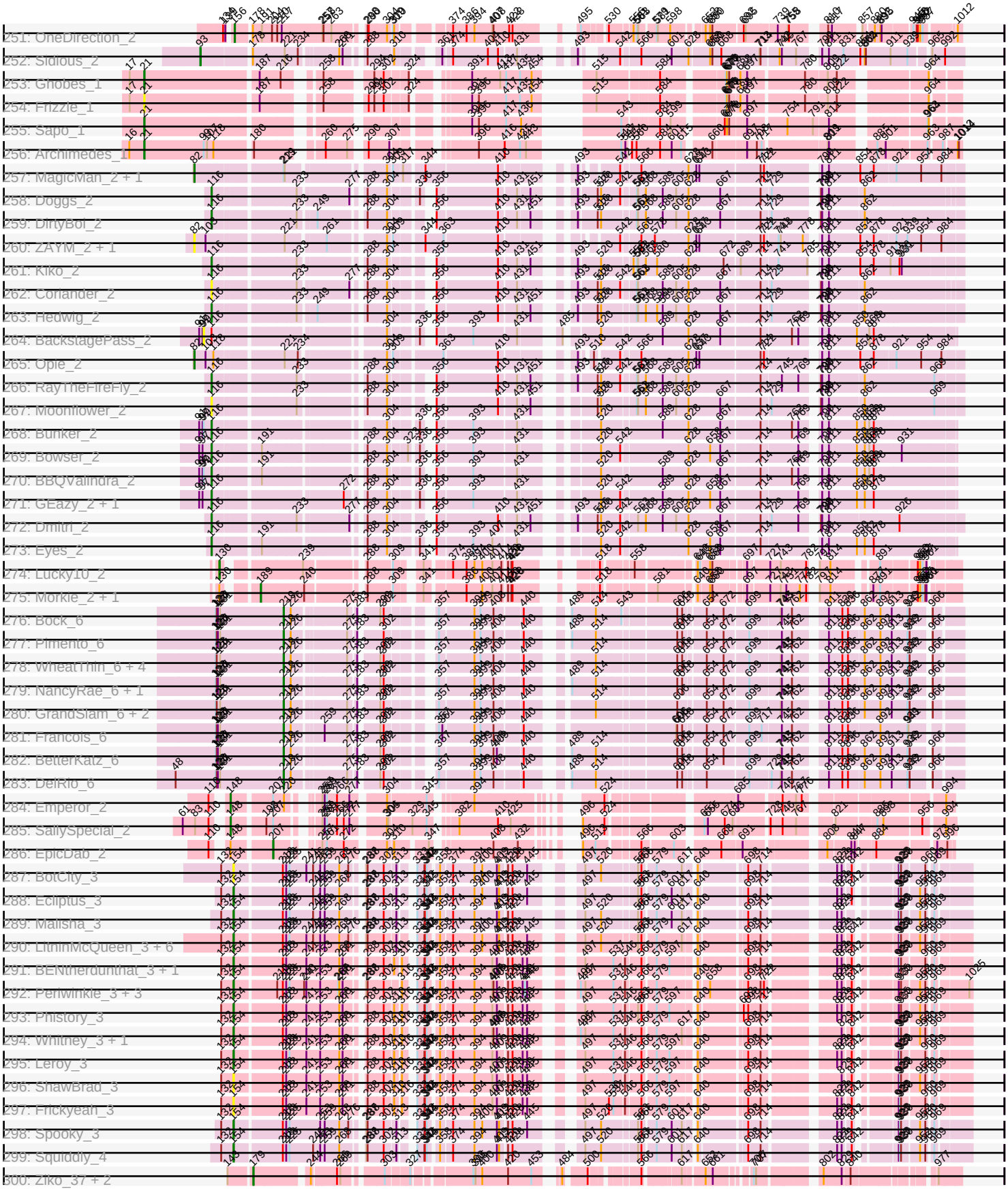
Pham 215637


151: PHL114L00_02
152: PHL112N00_02
153: QueenBey_2
154: Attache_2
155: Enochoraptor_2
156: Pirate_2
157: BruceLethal_2
158: PHL071N05_02
159: P107A_2
160: Rileysaurus_2
161: P104A_2
162: PHL067M10_02
163: B3_3 + 2
164: E6_3
165: Doucette_3
166: B22_3
167: G4_3
168: PFR2_02 + 1
169: Morrissey_2
170: Pippers_2 + 1
171: Mandia_2
172: Gustav_2
173: Trine_2
174: Opyo_2
175: Jinx2_8
176: Madraxi_10
177: Shagrat_8
178: REQ1_66
179: TinaLin_10 + 1
180: Ruffy_9 + 1
181: Golb_8 + 2
182: YzGordon_9
183: Gsput1_5
184: Dardanus_9
185: Schmidt_5
186: Catfish_6
187: Malachai_2 + 1
188: Frokostdame_2
189: Jalamman_2 + 2
190: Blueberry_2 + 3
191: CaptainKirk2_2 + 6
192: Walrus_2
193: Wocket_2
194: UmaThurman_2
195: Oblivate_2
196: CarolAnn_2
197: PhrostedPhlake_2
198: Fairiaxidum_2
199: Wisp_2
200: Pipp_2

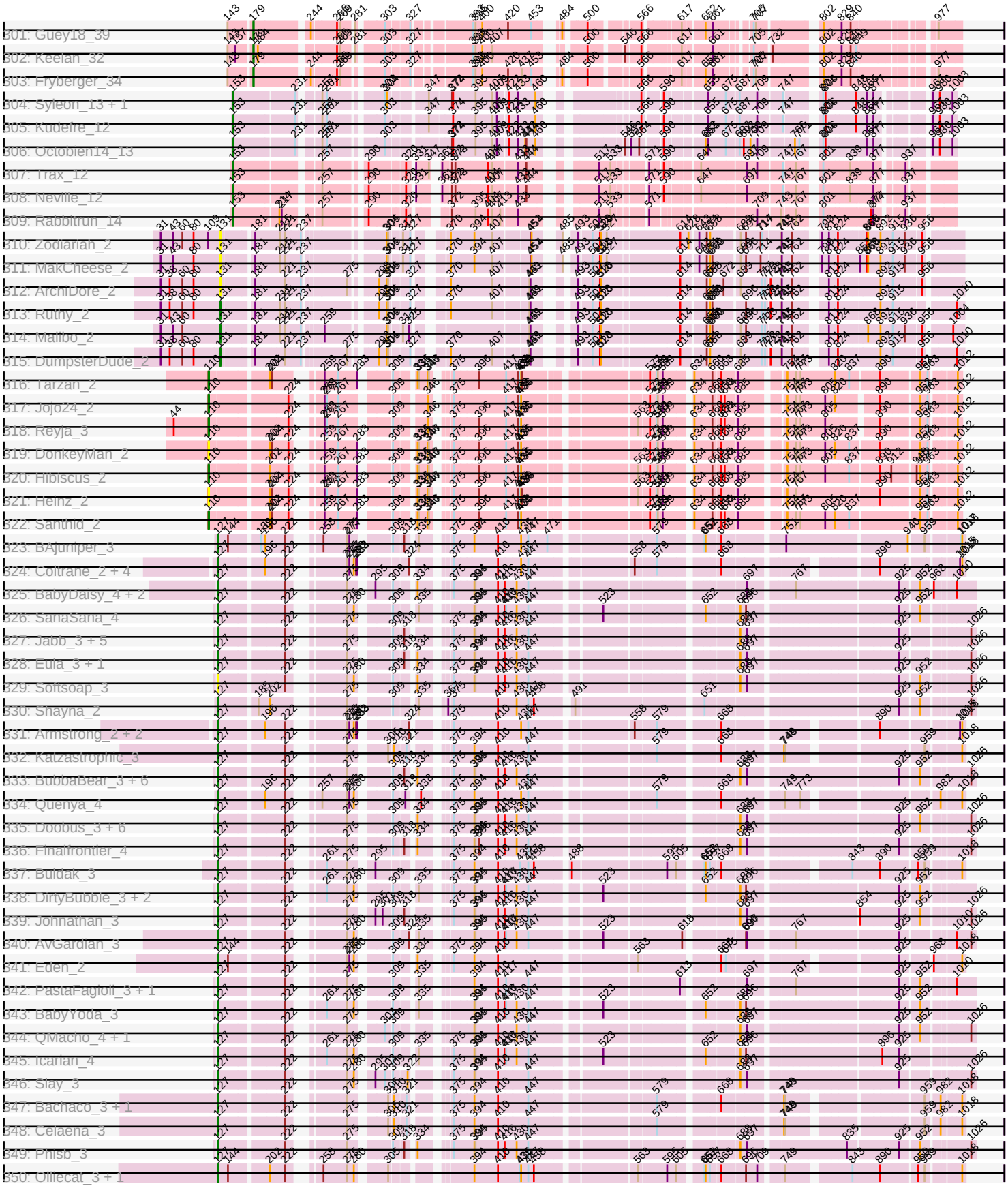
Pham 215637


201: Hitter_2 + 1
202: KappaFarmDelta_2
203: ZiggyZoo_2
204: PrincePatrick_2
205: Murp_2
206: William_2
207: Fenry_2
208: Toast_2 + 1
209: Otz_2
210: Petra_2
211: Blino_2
212: Guacamole_2 + 1
213: JuJu_2
214: Mellie_2
215: McGonagall_2 + 1
216: Rahul_2
217: Coeur_2
218: GRO3_2
219: GMA5_2
220: Schlebs_2
221: Lion_2
222: Ongeesy_2
223: EdnaMode_2 + 3
224: Cynthia_2 + 10
225: JCole_2
226: Sahara_2
227: Attis_2 + 4
228: Matteo_2
229: Vasanti_2
230: FroggyToad_2
231: PantheRoc_2
232: BaxterFox_2
233: Yeezy_2
234: Twinkie_2 + 4
235: Powerball_2
236: Annalisa_3
237: Dolores_3 + 1
238: PhriskyACE_2
239: Beenie_3 + 3
240: DobbysSock_2
241: Oregano_2
242: Thimann_3
243: Sekhmet_3
244: Suerte_2
245: Samman98_3
246: Invectra_3
247: Dorito_2
248: Denise_2
249: Moosehead_2
250: Faith5x5_2

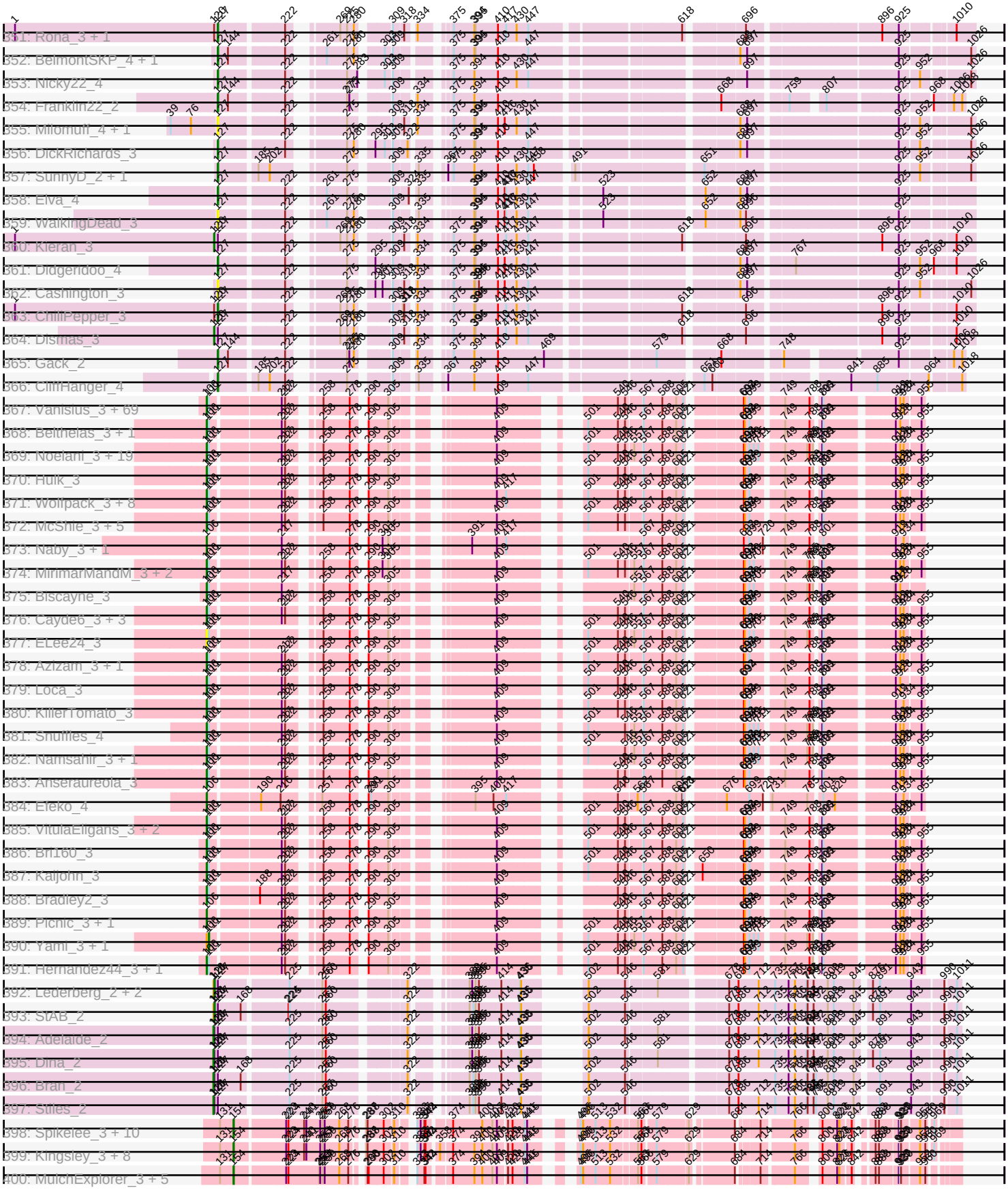
Pham 215637


251: OneDirection_2
252: Sidious_2
253: Ghobes_1
254: Frizzle_1
255: Sapo_1
256: Archimedes_1
257: MagicMan_2 + 1
258: Doggs_2
259: DirtyBoi_2
260: ZAYM_2 + 1
261: Kiko_2
262: Coriander_2
263: Hedwig_2
264: BackstagePass_2
265: Opie_2
266: RayTheFireFly_2
267: Moonflower_2
268: Bunker_2
269: Bowser_2
270: BBQValindra_2
271: GEazy_2 + 1
272: Dmitri_2
273: Eyes_2
274: Lucky10_2
275: Morkie_2 + 1
276: Bock_6
277: Pimento_6
278: WheatThin_6 + 4
279: NancyRae_6 + 1
280: GrandSlam_6 + 2
281: Francois_6
282: BetterKatz_6
283: DelRio_6
284: Emperor_2
285: SallySpecial_2
286: EpicDab_2
287: BotCity_3
288: Ecliptus_3
289: Malisha_3
290: LithiniMcQueen_3 + 6
291: BENtherdunthat_3 + 1
292: Periwinkle_3 + 3
293: Phistory_3
294: Whitney_3 + 1
295: Leroy_3
296: ShawBrad_3
297: Frickyeah_3
298: Spooky_3
299: Squiddly_4
300: Ziko_37 + 2

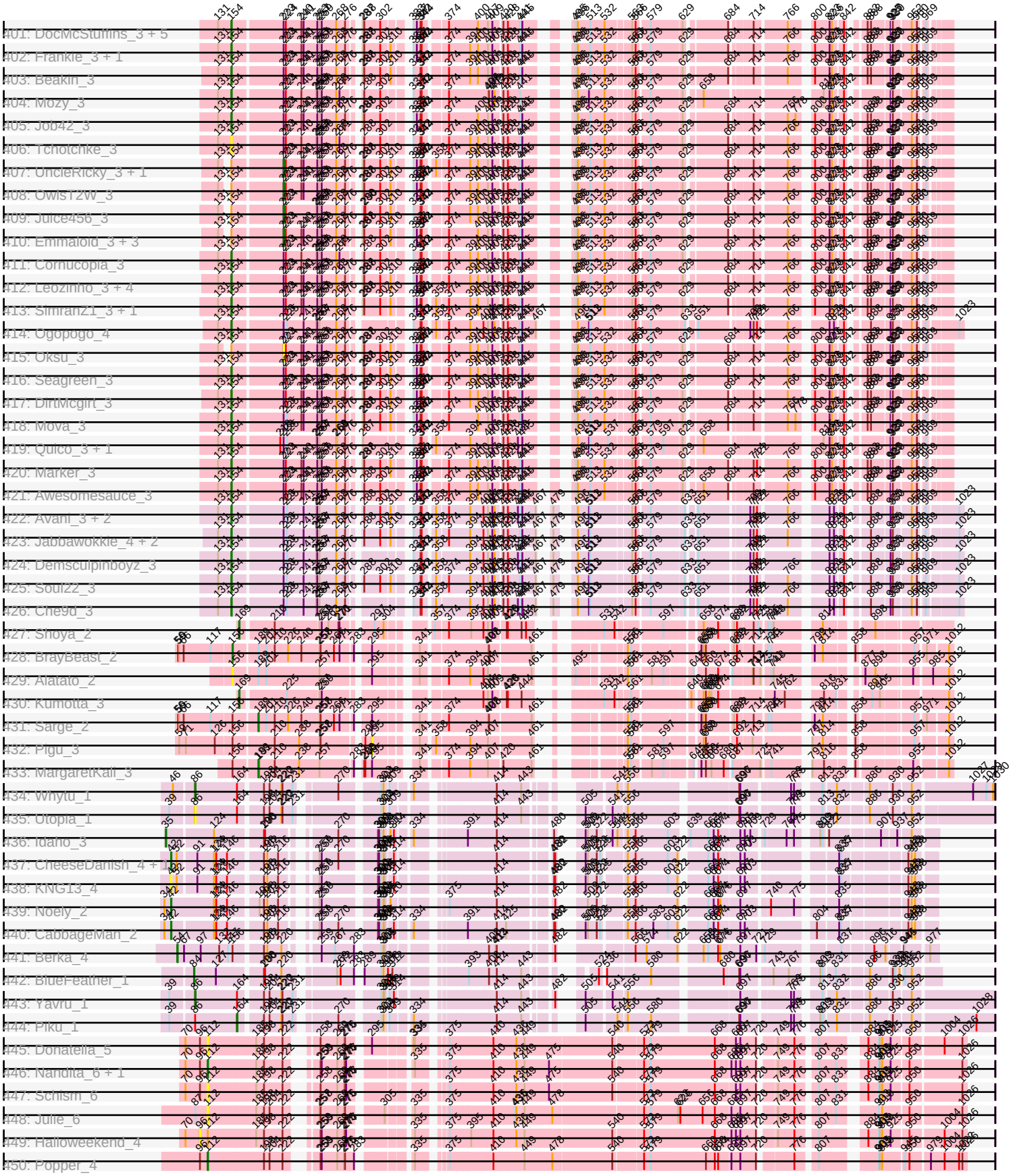
Pham 215637



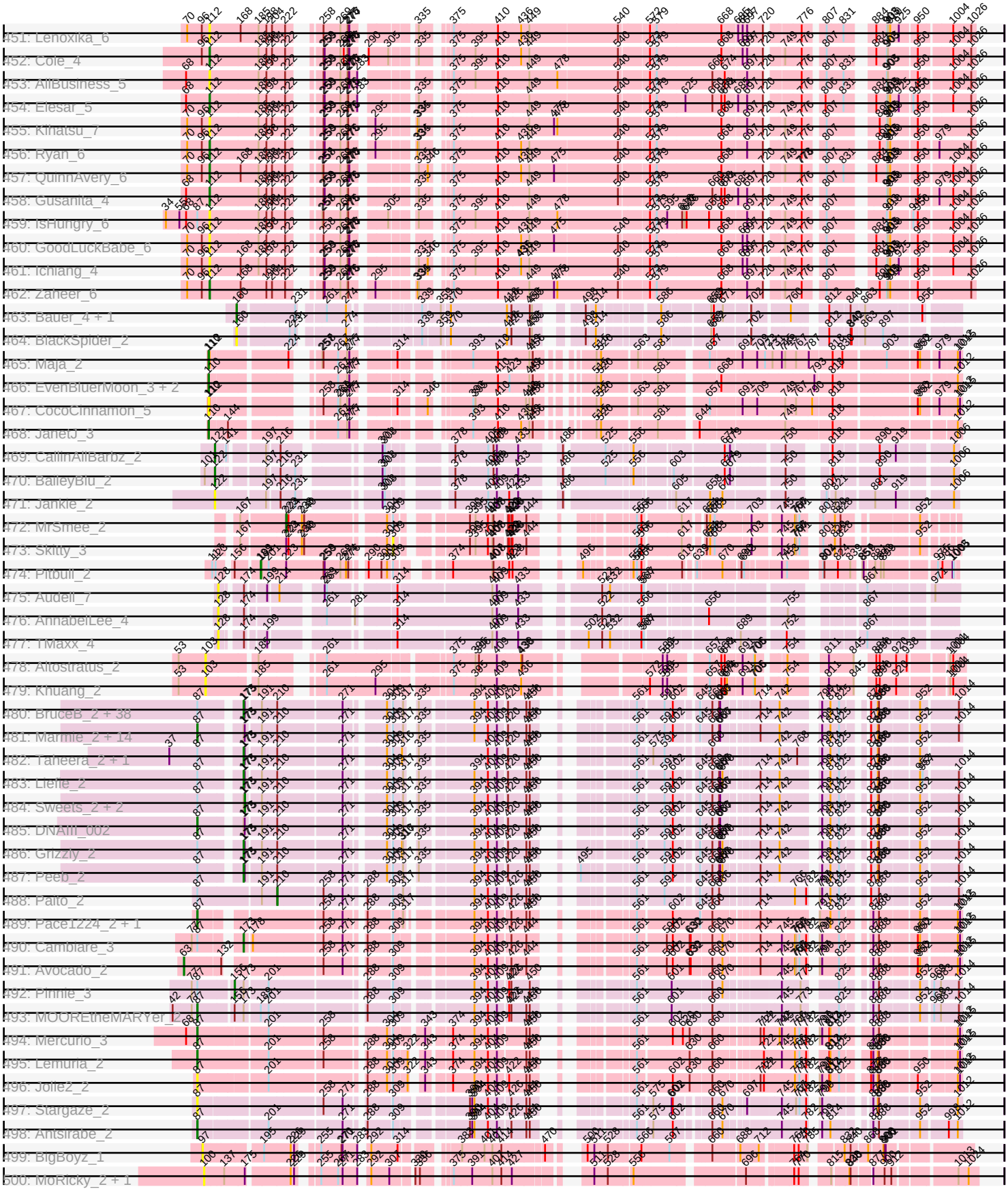
Pham 215637



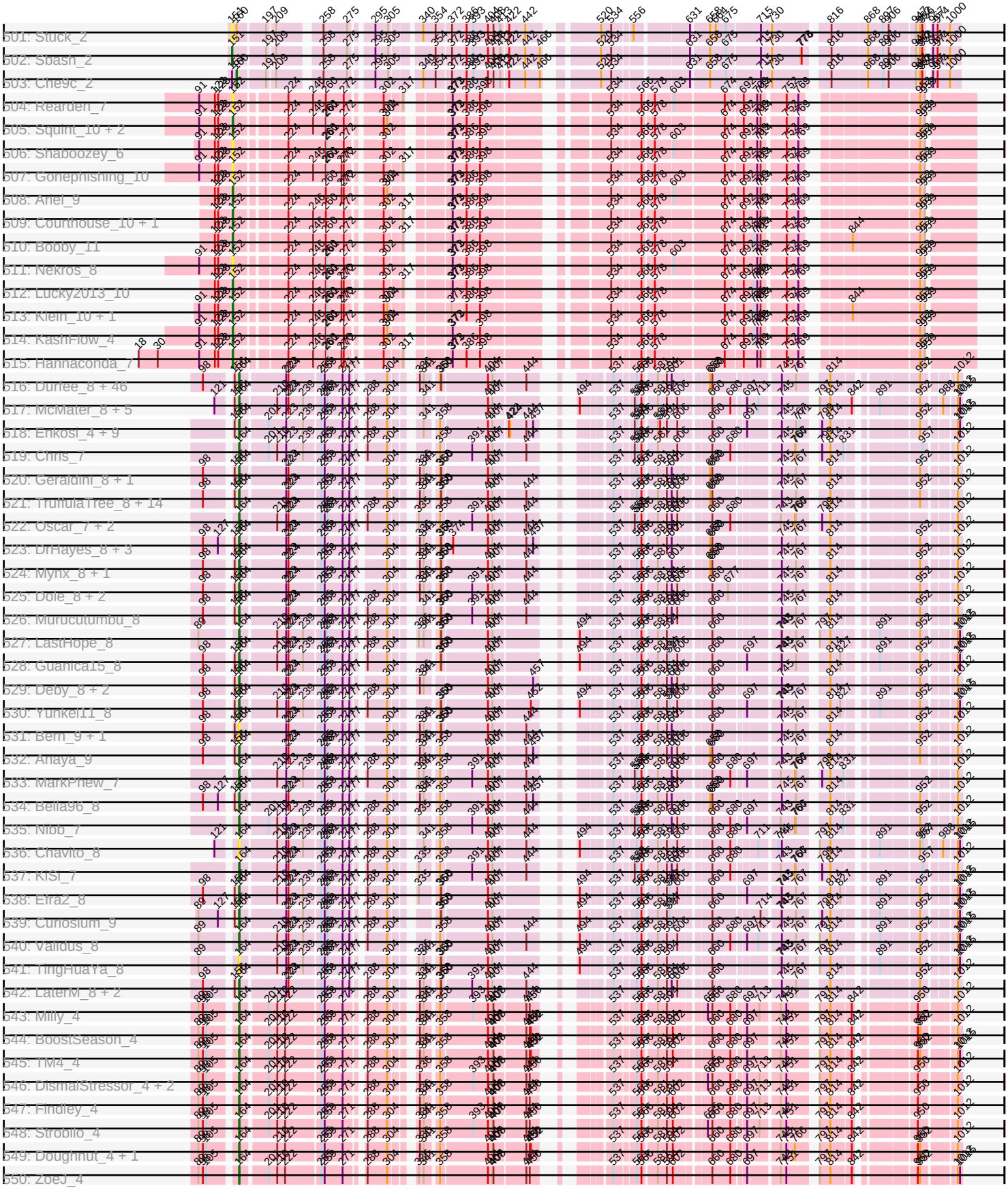
Pham 215637


401: DocMcStuffins_3 + 5
402: Frankie_3 + 1
403: Beakin_3
404: Mozy_3
405: Job42_3
406: Tchotchke_3
407: UncleRicky_3 + 1
408: OwlS12W_3
409: Juice456_3
410: Emmaloid_3 + 3
411: Cornucopia_3
412: Leozinho_3 + 4
413: SimranZ1_3 + 1
414: Ogopogo_4
415: Oksu_3
416: Seagreen_3
417: DirtMcgirt_3
418: Mova_3
419: Quico_3 + 1
420: Marker_3
421: Awesomesauce_3
422: Avani_3 + 2
423: Jabbawokkie_4 + 2
424: Demsculpinboyz_3
425: Soul22_3
426: Che90_3
427: Shoya_2
428: BrayBeast_2
429: Alatato_2
430: Kumotta_3
431: Sarge_2
432: Pigu_3
433: MargaretKall_3
434: Whytu_1
435: Utopia_1
436: Idaho_3
437: CheeseDanish_4 + 1
438: KNG13_4
439: Noely_2
440: CabbageMan_2
441: Berka_4
442: BlueFeather_1
443: Yavru_1
444: Piku_1
445: Donatella_5
446: Nandita_6 + 1
447: Schism_6
448: Julie_6
449: Halloweekend_4
450: Popper_4

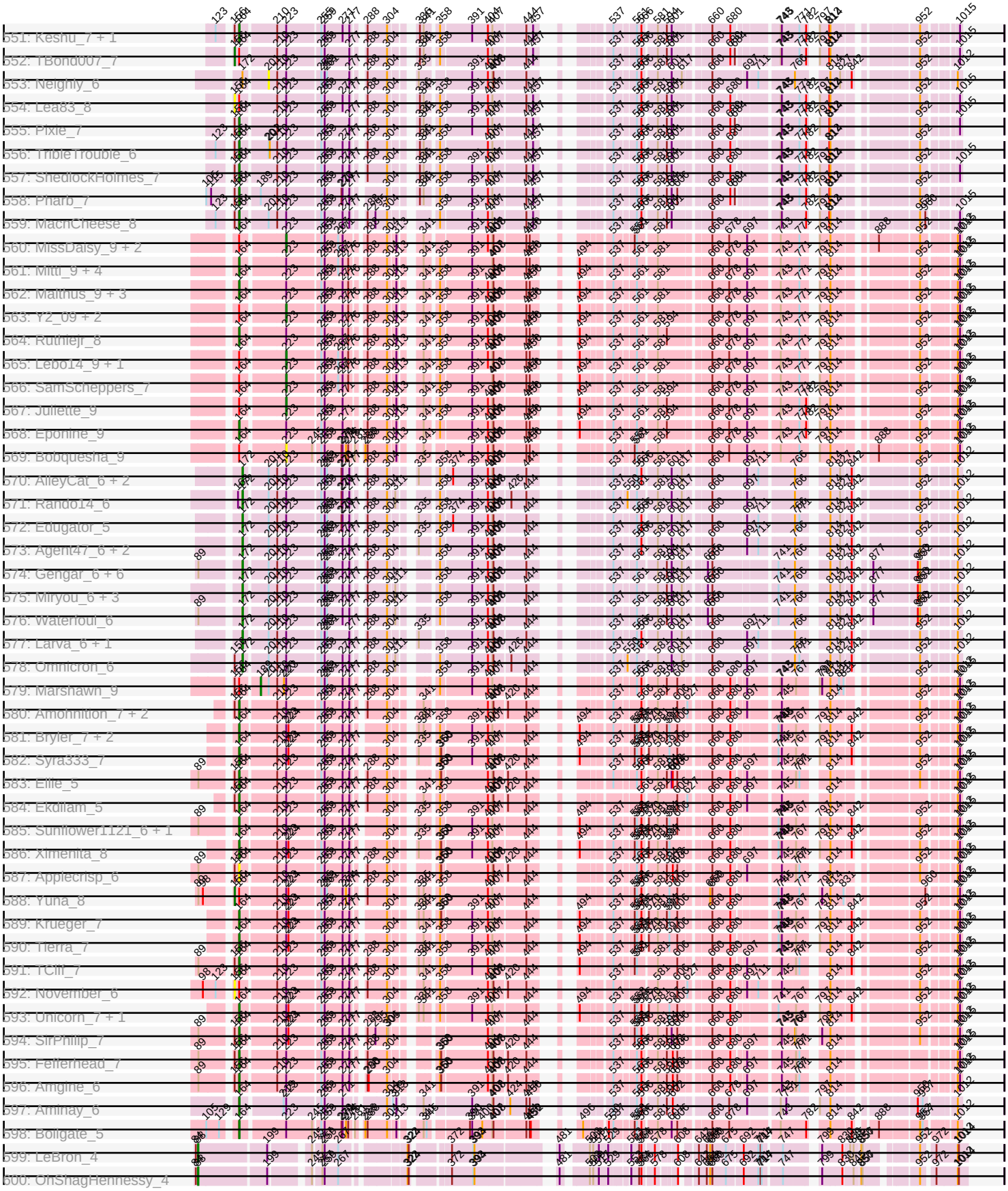
Pham 215637


451: Lenoxika_6
452: Cole_4
453: AllBusiness_5
454: Elesar_5
455: Khatsu_7
456: Ryan_6
457: QuinnAvery_6
458: Gusanita_4
459: IsHungry_6
460: GoodLuckBabe_6
461: Ichiang_4
462: Zaheer_6
463: Bauer_4 + 1
464: BlackSpider_2
465: Maja_2
466: EvenBlueMoon_3 + 2
467: CocoCinnamon_5
468: JanetJ_3
469: CallmAllBarbz_2
470: BaileyBlu_2
471: Jankie_2
472: MrSmee_2
473: Skitty_3
474: Pitbull_2
475: Audell_7
476: AnnabelLee_4
477: TMaxx_4
478: Altostratus_2
479: Khuang_2
480: BruceB_2 + 38
481: Marmie_2 + 14
482: Taheera_2 + 1
483: Lelie_2
484: Sweets_2 + 2
485: DNAm_002
486: Grizzly_2
487: Peeb_2
488: Paito_2
489: Pace1224_2 + 1
490: Cambiare_3
491: Avocado_2
492: Pinnie_3
493: MOOREtheMARYer_2
494: Mercurio_3
495: Lemuria_2
496: Jolie2_2
497: Stargaze_2
498: Antsirabe_2
499: BigBoyz_1
500: MoRicky_2 + 1

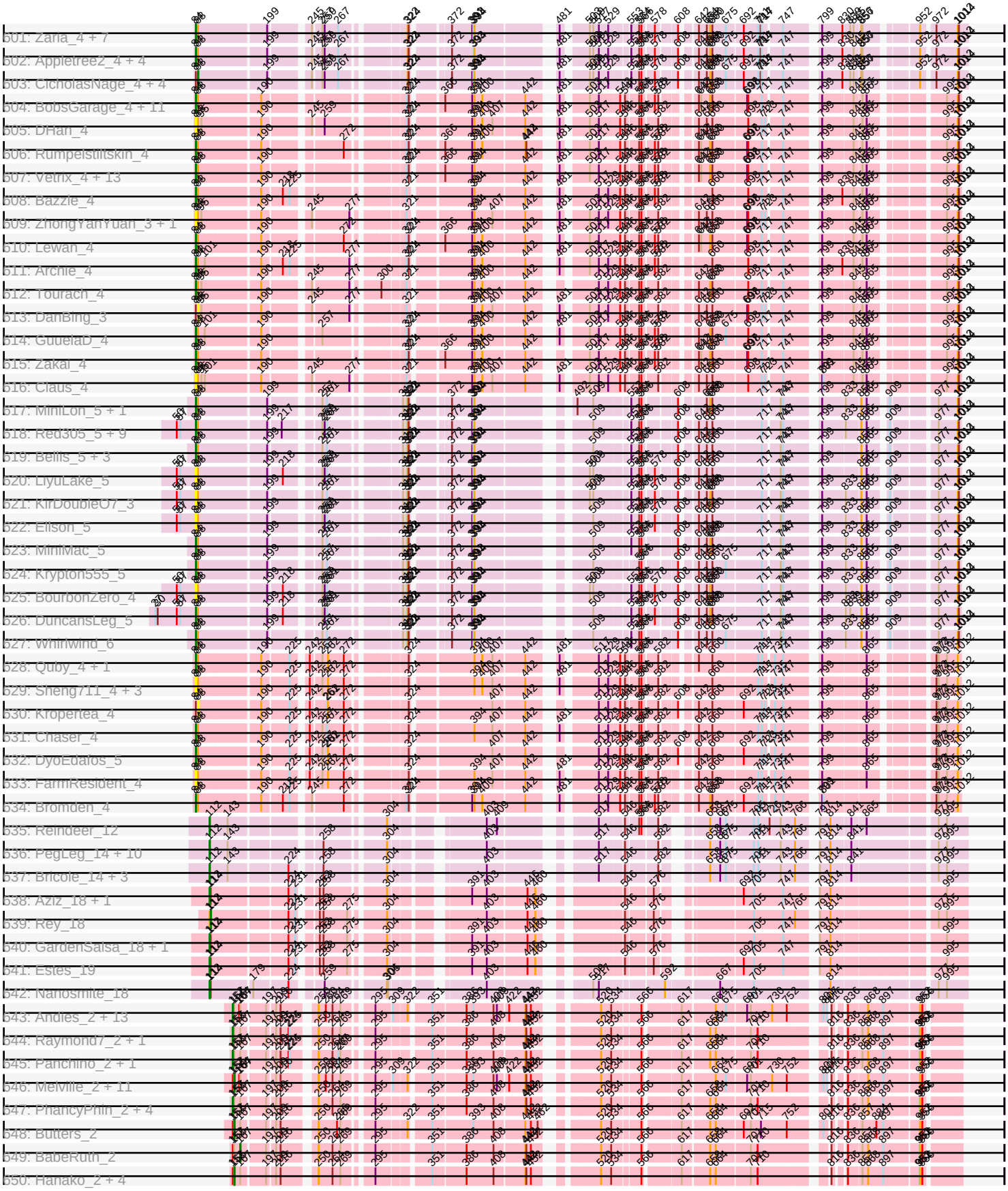
Pham 215637



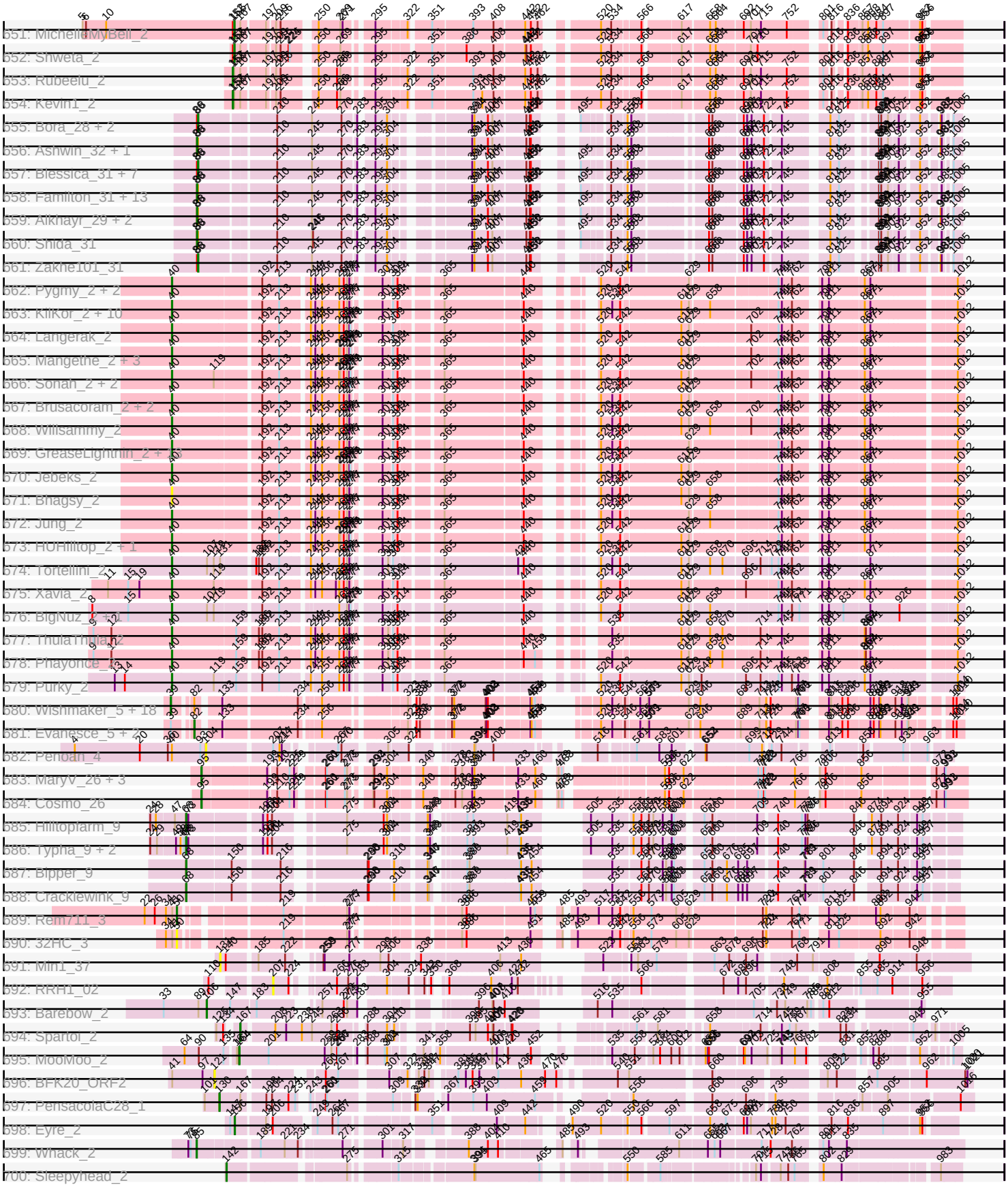
Pham 215637


551: Keshu_7 + 1
552: TBond007_7
553: Neighly_6
554: Lea83_8
555: Pixie_7
556: TribleTrouble_6
557: SnedlockHolmes_7
558: Pharb_7
559: MacnCheese_8
560: MissDaisy_9 + 2
561: Mittl_9 + 4
562: Malthus_9 + 3
563: Y2_09 + 2
564: RuthlejI_8
565: Lebo14_9 + 1
566: SamScheppers_7
567: Juliette_9
568: Eponine_9
569: Bobquesha_9
570: AlleyCat_6 + 2
571: Rando14_6
572: Edugator_5
573: Agent47_6 + 2
574: Gengar_6 + 6
575: Miryou_6 + 3
576: Waterfoul_6
577: Larva_6 + 1
578: Omnicron_6
579: Marshawn_9
580: Amohnition_7 + 2
581: Bryler_7 + 2
582: Syra333_7
583: Ellie_5
584: Ekullam_5
585: Sunflower1121_6 + 1
586: Ximenita_8
587: Applecrisp_6
588: Yuna_8
589: Krueger_7
590: Tierra_7
591: TCM_7
592: November_6
593: Unicorn_7 + 1
594: SirPhilip_7
595: Fellerhead_7
596: Amgine_6
597: Aminay_6
598: Boilgate_5
599: LeBron_4
600: OhShagHennessy_4

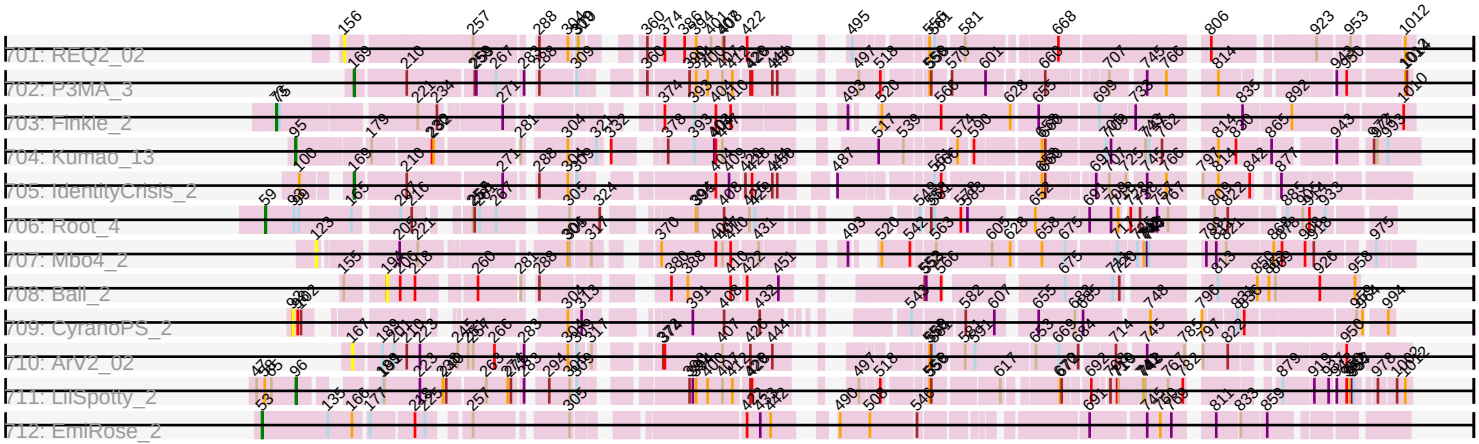
Pham 215637



Pham 215637


651: MichelleMyBell_2
652: Shweta_2
653: Rubeelu_2
654: Kevin1_2
655: Bora_28 + 2
656: Ashwin_32 + 1
657: Blessica_31 + 7
658: Famillton_31 + 13
659: AlKhayr_29 + 2
660: Shida_31
661: Zakhe101_31
662: Pygmy_2 + 2
663: KliKor_2 + 10
664: Langerak_2
665: Mangethe_2 + 3
666: Sonan_2 + 2
667: Brusacoram_2 + 2
668: Willsammy_2
669: GreaseLightnin_2 + 13
670: Jebeks_2
671: Bhagsy_2
672: Jung_2
673: HOHilltop_2 + 1
674: Tortellini_2
675: Xavia_2
676: BigNuz_2 + 1
677: ThulaThula_2
678: Phayonce_2
679: Purky_2
680: Wishmaker_5 + 18
681: Evanesce_5 + 2
682: Penban_4
683: MaryV_26 + 3
684: Cosmo_26
685: Hilltopfarm_9
686: Typha_9 + 2
687: Bipper_9
688: Cracklewink_9
689: Rem711_3
690: 32HC_3
691: Min1_37
692: RRH1_02
693: Barebow_2
694: Spartoi_2
695: MooMoo_2
696: BFK20_ORF2
697: PensacolaC28_1
698: Eyre_2
699: Whack_2
700: Sleepyhead_2

Pham 215637


701: REQ2_02
702: P3MA_3
703: Finkie_2
704: Kumao_13
705: IdentityCrisis_2
706: Root_4
707: Mibo4_2
708: Ball_2
709: CyranoPS_2
710: ArV2_02
711: LilSpotty_2
712: EmiRose_2

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 215637 Report

This analysis was run 02/22/25 on database version 588.

Pham number 215637 has 1442 members, 216 are drafts.

Phages represented in each track:
- Track 1 : JustASigh_2
- Track 2 : Weirdo19_2
- Track 3 : Misaeng_5
- Track 4 : GreenHearts_5
- Track 5 : Aledel_2, Eunoia_2, Riovina_2, OMalley_2
- Track 6 : ChewChew_2
- Track 7 : Savage2526_5
- Track 8 : Maria1952_2, Temper16_2, Herb_2, KingBob_2, Sergei_2
- Track 9 : DrRobert_2
- Track 10 : Huckleberry_2, HeadNerd_2
- Track 11 : Supakev_2, Pumancara_2
- Track 12 : DreamTeam_2, Preamble_2, Gisselle_2
- Track 13 : Greenhouse_5
- Track 14 : Fluke_5
- Track 15 : WonderBoy_2
- Track 16 : MamaPearl_2, EstebanJulior_2
- Track 17 : CristinaYang_2, Nancia_2, Lasagna_2, Bodacious_2, LilStuart_2
- Track 18 : Kalizoi_5, BrotherBLo_5
- Track 19 : Suppi_5, Wayne_5, Canowicakte_5
- Track 20 : HunterDalle_2, Vulture_2
- Track 21 : Jumboset_5
- Track 22 : Riverdale_5, Beethoven_5
- Track 23 : PinkFriday_2
- Track 24 : Vallejo_5
- Track 25 : Kittykat_2
- Track 26 : Nubia_5
- Track 27 : Huntingdon_5, RcigaStruga_5
- Track 28 : OurGirlNessie_2
- Track 29 : Bennie_2
- Track 30 : Albanese_5
- Track 31 : Potatoes_5, Cholula_5
- Track 32 : Lakshmi_5
- Track 33 : Makoto_2
- Track 34 : PartyCup_5
- Track 35 : Joann_5
- Track 36 : Carpal_5, Korra_5, TattModd_5, Zorro_5, Dino_5
- Track 37 : Litotes_5

• Track 38 : Urla_2
• Track 39 : Scuttle_5
• Track 40 : MrGloopy_5
• Track 41 : Moki_2
• Track 42 : PitaDog_2
• Track 43 : BigMack_2
• Track 44 : Immaculata_5
• Track 45 : AppleCider_5
• Track 46 : Christian_2
• Track 47 : Glenn_5, Wawa_5
• Track 48 : CallieOMalley_5
• Track 49 : Chridison_2
• Track 50 : Oxynfrius_5
• Track 51 : Pterodactyl_2
• Track 52 : AustinPowers_2
• Track 53 : Lennox_2
• Track 54 : Lucy_2
• Track 55 : MeganNoll_5, RAP15_5
• Track 56 : Daiboju_2
• Track 57 : Rozby_5
• Track 58 : Swenson_4, Laila_5, KylieMac_5, Elkhorn_4, Saphira_4, StewieGriff_4, Blair_4, Lore_4
• Track 59 : Stratus_4, Jessica_5, Copper_4, Courtney3_4, Moloch_4, TymAbreu_4, Hunnie_4, Ronnie_4, Mariposa_4, Guntur_4, Sandman_4, LouisXIV_4, Chestnut_4, Maggie_4, TinoCrisci_4, Dewayne_4, CGermain_4, Azathoth_4, Massimo_4, Prospero_4, Inspire2_4, Arby_4
• Track 60 : Kels_2
• Track 61 : Link_4, Sourignavong_5
• Track 62 : Taj14_4
• Track 63 : Decurro_4, Muttlie_4, Yank_4
• Track 64 : Seume_4, Toulouse_3
• Track 65 : ElectricPheel_5
• Track 66 : SerialPhiller_2
• Track 67 : Arielagos_2
• Track 68 : Abidatro_3
• Track 69 : Chickaboom_2
• Track 70 : Pelletreau_4, Westrich_4, Gravel_4
• Track 71 : Orcanus_3
• Track 72 : Basilisk_3
• Track 73 : KendraB23_4
• Track 74 : Ruchi_3
• Track 75 : Eesa_3
• Track 76 : Brynnie_3
• Track 77 : Vulpecula_3
• Track 78 : TaylorSipht_3
• Track 79 : Toad24_4
• Track 80 : Jamun_3
• Track 81 : Galaxy_3
• Track 82 : Amelia_4, Bedetta_4, Cote_4, Jerole_4
• Track 83 : Cygnet_3
• Track 84 : Polka_3
• Track 85 : Daob_4
• Track 86 : OtsoOtso_3

• Track 87 : Melons_4, Lunar_4
• Track 88 : Colusalem_3
• Track 89 : LittleTokyo_3
• Track 90 : Coral_3
• Track 91 : Kuleana_3
• Track 92 : Zhuangyuan_4
• Track 93 : Antrice_3
• Track 94 : Bibble12_4, HannahPhantana_4
• Track 95 : Kepler_3
• Track 96 : Leona_2, Rattail_2
• Track 97 : Babushka_2
• Track 98 : PhluffyCoco_2, AmiCi24_2, DanHam62_2, RedFox_2, Camara_2, Glotell_2
• Track 99 : KHumphrey_2
• Track 100 : HamCheese_2
• Track 101 : Andrew_3
• Track 102 : StuartMinion_2
• Track 103 : Atlantica_2
• Track 104 : Juno112_2
• Track 105 : Renna12_3
• Track 106 : Atraxa_3, Sputnik_3
• Track 107 : MooKitty_3
• Track 108 : Adaia_3
• Track 109 : Raqqa_3
• Track 110 : AbbyDaisy_3
• Track 111 : Kubed_2
• Track 112 : MEAK_2
• Track 113 : P100.1_2
• Track 114 : P100A_2
• Track 115 : PA6_2
• Track 116 : Moyashi_2
• Track 117 : PAS50_2
• Track 118 : P9.1_2
• Track 119 : Procrass1_2
• Track 120 : P100D_2
• Track 121 : ATCC29399BT_2
• Track 122 : P105_2
• Track 123 : P14.4_2
• Track 124 : PHL111M01_02
• Track 125 : Solid_2
• Track 126 : P106M_2, P106C_2, P106L_2, P106I_2
• Track 127 : LilBandit_2
• Track 128 : SKKY_2
• Track 129 : Enoki_2
• Track 130 : P101A_2
• Track 131 : Ouroboros_2
• Track 132 : PHL060L00_02
• Track 133 : PHL010M04_02
• Track 134 : P1.1_2
• Track 135 : ATCC29399BC_2, P107C_2
• Track 136 : MrAK_2
• Track 137 : Supernova_2
• Track 138 : P108C_2

- Track 139 : Lauchelly_2
- Track 140 : PAD20_2
- Track 141 : P106A_2
- Track 142 : PHL037M02_02
- Track 143 : PHL113M01_02
- Track 144 : DrParker_2
- Track 145 : Wizzo_2
- Track 146 : Stormborn_2
- Track 147 : Aquarius_2
- Track 148 : Cota_2, Keiki_2
- Track 149 : Leviosa_2
- Track 150 : P104B_2
- Track 151 : PHL114L00_02
- Track 152 : PHL112N00_02
- Track 153 : QueenBey_2
- Track 154 : Attacne_2
- Track 155 : Enochoraptor_2
- Track 156 : Pirate_2
- Track 157 : BruceLethal_2
- Track 158 : PHL071N05_02
- Track 159 : P107A_2
- Track 160 : Rileysaurus_2
- Track 161 : P104A_2
- Track 162 : PHL067M10_02
- Track 163 : B3_3, Anatole_3, E1_3
- Track 164 : E6_3
- Track 165 : Doucette_3
- Track 166 : B22_3
- Track 167 : G4_3
- Track 168 : PFR2_02, PFR1_02
- Track 169 : Morrissey_2
- Track 170 : Puppers_2, Widow_2
- Track 171 : Mahdia_2
- Track 172 : Gustav_2
- Track 173 : Trine_2
- Track 174 : Upyo_2
- Track 175 : Jflix2_8
- Track 176 : Madraxi_10
- Track 177 : Shagrat_8
- Track 178 : REQ1_66
- Track 179 : TinaLin_10, Banquo_11
- Track 180 : Huffy_9, DinoDaryn_9
- Track 181 : Goib_8, Splinter_7, Vendetta_7
- Track 182 : TZGordon_9
- Track 183 : Gsput1_5
- Track 184 : Dardanus_9
- Track 185 : Schmidt_5
- Track 186 : Catfish_6
- Track 187 : Malachai_2, Begonia_2
- Track 188 : Frokostdame_2
- Track 189 : Jalammah_2, Samba_2, Lysidious_2
- Track 190 : Blueberry_2, MissRona_2, Azula_2, Gambino_2

• Track 191 : CaptainKirk2_2, MintFen_2, Barco_2, Zarbodnamra_2, Melba_2, Archis_2, Delian_2
• Track 192 : Walrus_2
• Track 193 : Wocket_2
• Track 194 : UmaThurman_2
• Track 195 : Obliviate_2
• Track 196 : CarolAnn_2
• Track 197 : PhrostedPhlake_2
• Track 198 : Fairfaxidum_2
• Track 199 : Wisp_2
• Track 200 : Pipp_2
• Track 201 : Hitter_2, BlingBling_2
• Track 202 : KappaFarmDelta_2
• Track 203 : ZiggyZoo_2
• Track 204 : PrincePatrick_2
• Track 205 : Murp_2
• Track 206 : William_2
• Track 207 : Fenry_2
• Track 208 : Toast_2, PCoral7_2
• Track 209 : Utz_2
• Track 210 : Petra_2
• Track 211 : Blino_2
• Track 212 : Guacamole_2, JasperJr_2
• Track 213 : JuJu_2
• Track 214 : Mellie_2
• Track 215 : McGonagall_2, Jeanie_2
• Track 216 : Rahul_2
• Track 217 : Coeur_2
• Track 218 : GRU3_2
• Track 219 : GMA5_2
• Track 220 : Schiebs_2
• Track 221 : Lton_2
• Track 222 : Ohgeesy_2
• Track 223 : EdnaMode_2, Lamberg_2, Nettuno_2, Pickett_2
• Track 224 : Cynthia_2, Haley23_2, Clap_2, Whiteclaw_2, Sproutie_2, Ebert_2, Mocha12_2, GemG_2, TuertoX_2, Gizermo_2, Savage_2
• Track 225 : JCole_2
• Track 226 : Sahara_2
• Track 227 : Attis_2, Yeet412_2, Bjanes7_2, SoilAssassin_2, LordFarquaad_2
• Track 228 : Matteo_2
• Track 229 : Vasanti_2
• Track 230 : FroggyToad_2
• Track 231 : PantheRoc_2
• Track 232 : BaxterFox_2
• Track 233 : Yeezy_2
• Track 234 : Twinkle_2, Adora_2, Hortense_2, Howe_2, Shlim410_2
• Track 235 : Powerball_2
• Track 236 : Annalisa_3
• Track 237 : Dolores_3, WinkNick_3
• Track 238 : PhriskyACE_2
• Track 239 : Beenie_3, MichaelScott_3, Easley_3, Clark_3
• Track 240 : DobbysSock_2
• Track 241 : Oregano_2

• Track 242 : Thimann_3
• Track 243 : Sekhmet_3
• Track 244 : Suerte_2
• Track 245 : Samman98_3
• Track 246 : Invectra_3
• Track 247 : Dorito_2
• Track 248 : Denise_2
• Track 249 : Moosehead_2
• Track 250 : Faith5x5_2
• Track 251 : OneDirection_2
• Track 252 : Sidious_2
• Track 253 : Ghobes_1
• Track 254 : Frizzle_1
• Track 255 : Sapo_1
• Track 256 : Archimedes_1
• Track 257 : MagicMan_2, Schnabeltier_2
• Track 258 : Doggs_2
• Track 259 : DirtyBoi_2
• Track 260 : ZAYM_2, TaronosaurasRx_2
• Track 261 : Kiko_2
• Track 262 : Coriander_2
• Track 263 : Hedwig_2
• Track 264 : BackstagePass_2
• Track 265 : Opie_2
• Track 266 : RayTheFireFly_2
• Track 267 : Moonflower_2
• Track 268 : Bunker_2
• Track 269 : Bowser_2
• Track 270 : BBQValindra_2
• Track 271 : GEazy_2, HannahD_2
• Track 272 : Dmitri_2
• Track 273 : Eyes_2
• Track 274 : Lucky10_2
• Track 275 : Morkie_2, PhorbesPhlower_2
• Track 276 : Bock_6
• Track 277 : Pimento_6
• Track 278 : WheatThin_6, Brylie_6, Mulch_6, Nadeem_6, Parada_6
• Track 279 : NancyRae_6, Ayotoya_6
• Track 280 : GrandSlam_6, Chop_6, Hamood_6
• Track 281 : Francois_6
• Track 282 : BetterKatz_6
• Track 283 : DelRio_6
• Track 284 : Emperor_2
• Track 285 : SallySpecial_2
• Track 286 : EpicDab_2
• Track 287 : BotCity_3
• Track 288 : Ecliptus_3
• Track 289 : Malisha_3
• Track 290 : LitninMcQueen_3, CheeseTouch_3, Kamaru_3, Budski_3, ODay_3, Holliday_3, Phabuloso_3
• Track 291 : BENtherdunthat_3, Asapag_3
• Track 292 : Periwinkle_3, Horus_3, Kenna_3, Lutum_3
• Track 293 : Phistory_3

• Track 294 : Whitney_3, Getalong_3
• Track 295 : Leroy_3
• Track 296 : ShawBrad_3
• Track 297 : Frickyeah_3
• Track 298 : Spooky_3
• Track 299 : Squiddly_4
• Track 300 : Ziko_37, Ronaldo_37, Volt_36
• Track 301 : Guey18_39
• Track 302 : Keelan_32
• Track 303 : Fryberger_34
• Track 304 : Syleon_13, Sephiroth_13
• Track 305 : Kudefre_12
• Track 306 : Octobien14_13
• Track 307 : Trax_12
• Track 308 : Neville_12
• Track 309 : Rabbitrun_14
• Track 310 : Zodiariah_2
• Track 311 : MakCheese_2
• Track 312 : ArchiDore_2
• Track 313 : Ruthy_2
• Track 314 : Malibo_2
• Track 315 : DumpsterDude_2
• Track 316 : Tarzan_2
• Track 317 : Jojo24_2
• Track 318 : Reyja_3
• Track 319 : DonkeyMan_2
• Track 320 : Hibiscus_2
• Track 321 : Heinz_2
• Track 322 : Santhid_2
• Track 323 : BAjuniper_3
• Track 324 : Coltrane_2, Rollins_2, Skylord_2, Brahms_2, Bernstein_2
• Track 325 : BabyDaisy_4, IndyLu_3, Kate33_3
• Track 326 : SanaSana_4
• Track 327 : Jabb_3, TukTuk_3, MsUbiquitous_3, CupcakePrincess_3, SarBear_3, Swervy_3
• Track 328 : Eula_3, Jovita_3
• Track 329 : Softsoap_3
• Track 330 : Shayna_2
• Track 331 : Armstrong_2, Clayda5_2, Vitas_2
• Track 332 : Katzastrophic_3
• Track 333 : BubbaBear_3, PhigPhack_3, CroZenni_3, Albedo_3, SansAfet_3, Lynlen_3, Kenzers_3
• Track 334 : Quenya_4
• Track 335 : Doobus_3, LimaBean_3, Albright_3, Avocadoman_3, Burritobowl_3, Bengal_3, Abigail_3
• Track 336 : Finalfrontier_4
• Track 337 : Buldak_3
• Track 338 : DirtyBubble_3, Stoor_3, Stromboli_3
• Track 339 : Johnathan_3
• Track 340 : AvGardian_3
• Track 341 : Eden_2
• Track 342 : PastaFagioli_3, Lahqtemish_3
• Track 343 : BabyYoda_3

• Track 344 : QMacho_4, Arroyo_4
• Track 345 : Icarian_4
• Track 346 : Slay_3
• Track 347 : Bachaco_3, FlameThrower_3
• Track 348 : Celaena_3
• Track 349 : Phisb_3
• Track 350 : Olliecat_3, Squircle_3
• Track 351 : Rona_3, Sharkboy_3
• Track 352 : BelmontSKP_4, AnnaLie_4
• Track 353 : Nicky22_4
• Track 354 : Franklin22_2
• Track 355 : Milomuff_4, Solea_4
• Track 356 : DickRichards_3
• Track 357 : SunnyD_2, Teagster_2
• Track 358 : Elva_4
• Track 359 : WalkingDead_3
• Track 360 : Kieran_3
• Track 361 : Didgeridoo_4
• Track 362 : Cashington_3
• Track 363 : ChiliPepper_3
• Track 364 : Dismas_3
• Track 365 : Gack_2
• Track 366 : CliffHanger_4
• Track 367 : Vanisius_3, TimoTea_3, JaimeB_3, Astro16_3, Eightball_3, Gardevoir_3, Sara_3, Danimal_3, Burgy_3, SantasSleigh_3, Pondwater_3, YertPhresh_3, Chatham_3, Kojax4_3, Horacetta_3, Maneater_3, BinkBonk_3, Octopus_3, JoBros_3, Slentz_3, KyriosFaba_3, Danno_3, Rhysand_3, Alucard_3, Minima_3, Jahseh_3, GoldenBlanche_3, Otwor_3, Myram_3, NeumannU_3, PaoPu_3, Jella_3, Godfather_3, Scrunchy_3, Aries55_3, Majesty_3, LaviMo_3, Goobery_3, Aztec_3, Gillker_3, DaftyDuck_3, Charbie_3, Sage7_3, Cheesecake_3, Avvas_3, Owens_3, Dooby_3, Jannah_3, Josuke_3, HeadMave_3, Luxx_3, Erin_3, DirtPie_3, LionelHutz_3, BurtonThePup_3, SeaWolves_3, Dongwon_3, TeddyBoy_3, Rhogar_3, LemonPepper_3, Scamander_3, ManAs_3, RoscoWindex_3, MasterPitts_3, Zahlia_3, Yubaba_3, EdElric_3, Ciel_3, Witch_3, BarBear_3
• Track 368 : Belthelas_3, Concrete_3
• Track 369 : Noelani_3, Nobel_3, Slizam_3, Ekko14_3, Bintii_3, TomBrady12_3, Stem_3, TinyTruffula_3, Trackstar_3, Elspeth_3, Lunatic_3, PuffyCat_3, HarperAnne_3, Niffler_3, Miaurora_3, JooneeDee_3, Bullzi2019_3, Clownery_3, Trireme_3, IzzyPants24_3
• Track 370 : Hulk_3
• Track 371 : Wolfpack_3, MelBee03_3, Livingwater_3, Sippinontea_3, Kevanna_3, KayPaulus_3, Quaker_3, Douggie_3, Bodhi17_3
• Track 372 : McShie_3, Leafy_3, BrokMonster_3, BoomRoasted_3, MrGreen_3, JRok_3
• Track 373 : Naby_3, BonaeVitae_3
• Track 374 : MirimarMandM_3, PoRanda_3, Upsilon_3
• Track 375 : Biscayne_3
• Track 376 : Cayde6_3, Lola20_3, Yasuo_3, Baine_3
• Track 377 : ELee24_3
• Track 378 : Azizam_3, Oaklynn_3
• Track 379 : Loca_3
• Track 380 : KillerTomato_3
• Track 381 : Snuffles_4

• Track 382 : Namsahir_3, Publix_3
• Track 383 : Anseraureola_3
• Track 384 : Efeko_4
• Track 385 : VitulaEligans_3, Madebyisha_3, Jerky_3
• Track 386 : Bri160_3
• Track 387 : Kaijohn_3
• Track 388 : Bradley2_3
• Track 389 : Picnic_3, Puddles3_3
• Track 390 : Yami_3, Cazares_3
• Track 391 : Hernandez44_3, Gabbspett_3
• Track 392 : Lederberg_2, Troy_2, SamW_2
• Track 393 : StAB_2
• Track 394 : Adelaide_2
• Track 395 : Dina_2
• Track 396 : Bran_2
• Track 397 : Stiles_2
• Track 398 : Spikelee_3, DosHalletts_3, Starcevich_3, Ramsey_3, Totinger_3, Rialto_3, JalFarm20_3, Tootsieroll_3, Alexphander_3, Bobi_3, Stap_3
• Track 399 : Kingsley_3, Cerasum_3, Sarma624_3, Brookers_3, Enby_3, BigPhil_3, Lorde_3, Velveteen_3, Coco12_3
• Track 400 : MulchExplorer_3, Hegedechwinu_3, Kimberlium_3, Brushbloom_3, Flathead_3, Plumbus_3
• Track 401 : DocMcStuffins_3, ChickenDinner_3, Misha28_3, TootsiePop_3, Piper2020_3, Aloeri_3
• Track 402 : Frankie_3, Squirty_3
• Track 403 : Beakin_3
• Track 404 : Mozy_3
• Track 405 : Job42_3
• Track 406 : Tchotchke_3
• Track 407 : UncleRicky_3, Drago_3
• Track 408 : OwlsT2W_3
• Track 409 : Juice456_3
• Track 410 : Emmaloid_3, Slim_3, Boomer_3, LittleShirley_3
• Track 411 : Cornucopia_3
• Track 412 : Leozinho_3, DaWorst_3, RockyHorror_3, Madiba_3, BuzzLyseyear_3
• Track 413 : SimranZ1_3, Pollywog_3
• Track 414 : Ogopogo_4
• Track 415 : Oksu_3
• Track 416 : Seagreen_3
• Track 417 : DirtMcgirt_3
• Track 418 : Mova_3
• Track 419 : Quico_3, Girafales_3
• Track 420 : Marker_3
• Track 421 : Awesomesauce_3
• Track 422 : Avani_3, Yoshi_3, SilverChicken_3
• Track 423 : Jabbawokkie_4, Zapner_4, Blarby_4
• Track 424 : Demsculpinboyz_3
• Track 425 : Soul22_3
• Track 426 : Che9d_3
• Track 427 : Shoya_2
• Track 428 : BrayBeast_2
• Track 429 : Alatato_2
• Track 430 : Kumotta_3

• Track 431 : Sarge_2
• Track 432 : Pigu_3
• Track 433 : MargaretKali_3
• Track 434 : Whytu_1
• Track 435 : Utopia_1
• Track 436 : Idaho_3
• Track 437 : CheeseDanish_4, Corgi_4
• Track 438 : KNG13_4
• Track 439 : Noely_2
• Track 440 : CabbageMan_2
• Track 441 : Berka_4
• Track 442 : BlueFeather_1
• Track 443 : Yavru_1
• Track 444 : Piku_1
• Track 445 : Donatella_5
• Track 446 : Nandita_6, Guinevere_6
• Track 447 : Schism_6
• Track 448 : Julie_6
• Track 449 : Halloweekend_4
• Track 450 : Popper_4
• Track 451 : Lenoxika_6
• Track 452 : Cole_4
• Track 453 : AllBusiness_5
• Track 454 : Elesar_5
• Track 455 : Kihatsu_7
• Track 456 : Ryan_6
• Track 457 : QuinnAvery_6
• Track 458 : Gusanita_4
• Track 459 : IsHungry_6
• Track 460 : GoodLuckBabe_6
• Track 461 : Ichiang_4
• Track 462 : Zaheer_6
• Track 463 : Bauer_4, Zucker_3
• Track 464 : BlackSpider_2
• Track 465 : Maja_2
• Track 466 : EvenBluerMoon_3, PrairieDogTown_4, Aoka_3
• Track 467 : CocoCinnamon_5
• Track 468 : JanetJ_3
• Track 469 : CallinAllBarbz_2
• Track 470 : BaileyBlu_2
• Track 471 : Jankie_2
• Track 472 : MrSmee_2
• Track 473 : Skitty_3
• Track 474 : Pitbull_2
• Track 475 : Audell_7
• Track 476 : AnnabelLee_4
• Track 477 : TMaxx_4
• Track 478 : Altostratus_2
• Track 479 : Khuang_2
• Track 480 : BruceB_2, Phish_2, Jonghyun_2, Hope_2, Renaissance_2, Crespo_2, Barkley26_2, Jolene_2, Avrafan_2, Kareem_2, Rabbs_2, Angel_2, ECartman_2, Jane_2, Periodt_2, BPs_2, OctaviousRex_2, BQuat_2, Phreak_2, Aroostook_2, JorRay_2, Hotshotbaby7_2, Gomashi_2, Cedasite_2, Halo_2, Olga_2, LouisV14_2,

Sneeze_2, Coleslaw_2, Maliketh_2, Cherrybomb426_2, AzulaCat_2, Kasen3_2, Wendigo_2, GoldenAsh_2, ZoMa_2, CassieYates_2, Annihilator_2, Chance64_2
• Track 481 : Marmie_2, Remy19_2, Darionha_2, Schiebel_2, DMoney_2, TinaBug_2, CLED96_2, Mowgli_2, Sizemore_2, PinkYoshi_2, Camri_2, Zombie_2, Frosty24_2, Plagueis_2, Gideon_2
• Track 482 : Taheera_2, Terror_2
• Track 483 : Liefie_2
• Track 484 : Sweets_2, TomBrady_2, ShaboiShabazz_2
• Track 485 : DNAIII_002
• Track 486 : Grizzly_2
• Track 487 : Peeb_2
• Track 488 : Paito_2
• Track 489 : Pace1224_2, FlagStaff_2
• Track 490 : Cambiare_3
• Track 491 : Avocado_2
• Track 492 : Pinnie_3
• Track 493 : MOOREtheMARYer_2
• Track 494 : Mercurio_3
• Track 495 : Lemuria_2
• Track 496 : Jolie2_2
• Track 497 : Stargaze_2
• Track 498 : Antsirabe_2
• Track 499 : BigBoyz_1
• Track 500 : MoRicky_2, Smilerella_2
• Track 501 : Stuck_2
• Track 502 : Sbash_2
• Track 503 : Che9c_2
• Track 504 : Rearden_7
• Track 505 : Squint_10, MiaZeal_10, Porcelain_10
• Track 506 : Shaboozey_6
• Track 507 : Gonephishing_10
• Track 508 : Ariel_9
• Track 509 : Courthouse_10, Superphikiman_10
• Track 510 : Bobby_11
• Track 511 : Nekros_8
• Track 512 : Lucky2013_10
• Track 513 : Klein_10, Wanda_10
• Track 514 : KashFlow_4
• Track 515 : Hannaconda_7
• Track 516 : Durfee_8, Clipper_9, MacKat_8, Jarvi_8, Belladonna_8, Lunahalos_8, BEEST_8, Zavala_8, Atiba_8, Boiiii_8, CheetoDust_8, Blizzard_8, LindNT_8, QuincyRose_7, Peel_8, Tachez_8, Asayake_8, MeaningOfLife_8, Emerson_8, Topper_8, Prithvi_8, BGlluviae_8, Inky_8, Rosmarinus_8, Ganymede_8, Dalmuri_8, AlishaPH_8, Hyperbowlee_8, Padpat_8, Padfoot_8, Pokerus_7, Llorens_8, Jeckyll_8, Megsy_8, TreyKay_8, Twitch_8, Veliki_8, Spock_8, ShiaSurprise_8, Tiri_8, CrimD_8, CREW_8, Capricorn_8, Piatt_8, Adonis_8, Homura_8, CaseJules_8
• Track 517 : McMater_8, Shaobing_8, Niklas_8, Richo_8, Peanam_8, Dartin_8
• Track 518 : Enkosi_4, SgtBeansprout_4, Nikao_4, Amelie_4, Teejan_4, Torres_4, Nutello_4, Mdavu_4, LilPharaoh_4, Biglebops_4
• Track 519 : Chris_7
• Track 520 : Geraldini_8, Beezoo_8
• Track 521 : TruffulaTree_8, Joy99_8, Slimphazie_8, Ramen_8, HedwigODU_8, JAWS_8, Rapunzel97_8, YoureAdopted_7, BaghaKamala_8, Adephagia_8,

Zabiza_8, CallaLilly_8, Jayhawk_8, ActinUp_8, BarrelRoll_8
• Track 522 : Oscar_7, LeMond_7, Scarlett_7
• Track 523 : DrHayes_8, SamuelLPlaqson_8, Urkel_8, TiniBug_8
• Track 524 : Mynx_8, Apocalypse_8
• Track 525 : Dole_8, Illumine_8, Devera_8
• Track 526 : Murucutumbu_8
• Track 527 : LastHope_8
• Track 528 : Guanica15_8
• Track 529 : Deby_8, Angelica_8, Sulley_8
• Track 530 : Yunkel11_8
• Track 531 : Bern_9, TaiwanKao_8
• Track 532 : Anaya_9
• Track 533 : MarkPhew_7
• Track 534 : Bella96_8
• Track 535 : Nibb_7
• Track 536 : Chavito_8
• Track 537 : KiSi_7
• Track 538 : Efra2_8
• Track 539 : Curiosium_9
• Track 540 : Validus_8
• Track 541 : TingHuaYa_8
• Track 542 : LaterM_8, Ageofdapage_8, Stinson_8
• Track 543 : Milly_4
• Track 544 : BoostSeason_4
• Track 545 : TM4_4
• Track 546 : DismalStressor_4, DismalFunk_4, Marcoliusprime_4
• Track 547 : Findley_4
• Track 548 : Strobilo_4
• Track 549 : Doughnut_4, Mufasa_4
• Track 550 : ZoeJ_4
• Track 551 : Keshu_7, Hurricane_7
• Track 552 : TBond007_7
• Track 553 : Neighly_6
• Track 554 : Lea83_8
• Track 555 : Pixie_7
• Track 556 : TribleTrouble_6
• Track 557 : ShedlockHolmes_7
• Track 558 : Pharb_7
• Track 559 : MacnCheese_8
• Track 560 : MissDaisy_9, Patt_9, Reptar3000_9
• Track 561 : Mitti_9, Taquito_7, Chancellor_9, Cheetobro_9, Slarp_9
• Track 562 : Malthus_9, Wintermute_9, Fionnbharth_9, JF1_9
• Track 563 : Y2_09, Y10_09, Kraw_9
• Track 564 : Ruthiejr_8
• Track 565 : Lebo14_9, OmniCritical_9
• Track 566 : SamScheppers_7
• Track 567 : Juliette_9
• Track 568 : Eponine_9
• Track 569 : Bobquesha_9
• Track 570 : AlleyCat_6, Psycho_6, Dadosky_6
• Track 571 : Rando14_6
• Track 572 : Edugator_5
• Track 573 : Agent47_6, InvictusManeo_6, Kratio_5

• Track 574 : Gengar_6, OkiRoe_6, Guillsminger_6, SoSeph_6, Heftyboy_6, Leston_6, Paola_6
• Track 575 : Miryou_6, Collard_6, Feyre_6, Thyatira_6
• Track 576 : Waterfoul_6
• Track 577 : Larva_6, ViviJ_5
• Track 578 : Omnicron_6
• Track 579 : Marshawn_9
• Track 580 : Amohnition_7, DarthP_7, Hammy_7
• Track 581 : Bryler_7, Cain_7, Phrank_7
• Track 582 : Syra333_7
• Track 583 : Ellie_5
• Track 584 : Ekdilam_5
• Track 585 : Sunflower1121_6, Shadow1_6
• Track 586 : Ximenita_8
• Track 587 : Applecrisp_6
• Track 588 : Yuna_8
• Track 589 : Krueger_7
• Track 590 : Tierra_7
• Track 591 : TClif_7
• Track 592 : November_6
• Track 593 : Unicorn_7, PhelpsODU_7
• Track 594 : SirPhilip_7
• Track 595 : Fefferhead_7
• Track 596 : Amgine_6
• Track 597 : Aminay_6
• Track 598 : Boilgate_5
• Track 599 : LeBron_4
• Track 600 : OhShagHennessy_4
• Track 601 : Zaria_4, AvadaKedavra_4, Wamburgrxpress_4, Silverleaf_4, Wyatt2_4, Acquire49_4, Tyson_4, Rose5_4
• Track 602 : Appletree2_4, DirkDirk_4, Halena_4, MAckerman_4, Enceladus_4
• Track 603 : CicholasNage_4, JoeDirt_4, Calm_4, UPIE_4, Poochiewood_4
• Track 604 : BobsGarage_4, Miley16_4, Gabriela_4, LilDestine_4, Winky_4, Breezona_4, BigCheese_4, SoJulia_4, Faith1_4, Itos_4, Netyap_4, DrSeegs_4
• Track 605 : DHan_4
• Track 606 : Rumpelstiltskin_4
• Track 607 : Vetrix_4, Sarshaun_4, Loadrie_4, MkaliMitinis3_4, Finemlucis_4, Soap141_4, Wigglewiggle_4, Nicholasp3_4, Underpass_4, Gardann_4, Kahlid_4, Wilder_4, Hafay_4, Crossroads_4
• Track 608 : Bazzle_4
• Track 609 : ZhongYanYuan_3, Baoshan_3
• Track 610 : Lewan_4
• Track 611 : Archie_4
• Track 612 : Tourach_4
• Track 613 : DanBing_3
• Track 614 : GuuelaD_4
• Track 615 : Zakai_4
• Track 616 : Claus_4
• Track 617 : MiniLon_5, Lolly9_5
• Track 618 : Red305_5, Jobypre_5, Jubie_5, MsGreen_5, Nicholas_5, Kingsolomon_5, Snenia_5, TriFive_5, Clautastrophe_5, Lumos_5
• Track 619 : Bellis_5, Moostard_5, Samty_5, Finnry_5
• Track 620 : LiyuLake_5

• Track 621 : KirDoubleO7_3
• Track 622 : Ellson_5
• Track 623 : MiniMac_5
• Track 624 : Krypton555_5
• Track 625 : BourbonZero_4
• Track 626 : DuncansLeg_5
• Track 627 : Whirlwind_6
• Track 628 : Quby_4, Douge_4
• Track 629 : Sheng711_4, BrainDrainer_4, Douzhi_4, PYPDinur_4
• Track 630 : Kropertea_4
• Track 631 : Chaser_4
• Track 632 : DyoEdafos_5
• Track 633 : FarmResident_4
• Track 634 : Bromden_4
• Track 635 : Reindeer_12
• Track 636 : PegLeg_14, Auspice_14, Dulcita_15, Diminimus_15, Glaske16_15, TyDawg_14, FreakyGoo_14, LilhomieP_13, Izel_13, IPhane7_14, Bongo_14
• Track 637 : Bricole_14, KleverKiS_14, SlimJimmy_13, Skinny_15
• Track 638 : Aziz_18, GenevaB15_18
• Track 639 : Rey_18
• Track 640 : GardenSalsa_18, MrMagoo_18
• Track 641 : Estes_19
• Track 642 : Nanosmite_18
• Track 643 : Andies_2, Pipsqueaks_2, Tortoise12_2, Xeno_2, Philonius_2, Fulbright_2, Parmesanjohn_2, Bosection6_2, Schnauzer_2, EGUnicorn_2, Xerxes_2, Silvafighter_2, Chewbacca_2, Aggie_2
• Track 644 : Raymond7_2, Phrann_2
• Track 645 : Panchino_2, SkinnyPete_2
• Track 646 : Melville_2, Tapioca_2, Duplicity_2, Phloss_2, Magsby_2, Gex_2, Journey_2, Carcharodon_2, Scitech_2, Silvy_2, Charlie_2, Smurph_2
• Track 647 : PhancyPhin_2, Jamie19_2, Nenae_2, Rebel_2, SpongeBob_2
• Track 648 : Butters_2
• Track 649 : BabeRuth_2
• Track 650 : Hanako_2, Snekmaggedon_2, Redi_2, ShrimpFriedEgg_2, Purgamenstris_2
• Track 651 : MichelleMyBell_2
• Track 652 : Shweta_2
• Track 653 : Rubeelu_2
• Track 654 : Kevin1_2
• Track 655 : Bora_28, MadKillah_32, Firecracker_31
• Track 656 : Ashwin_32, Dylan_30
• Track 657 : Blessica_31, Schuy_32, Murai_31, YungJamal_33, Vorrps_30, Corndog_32, Catdawg_30, FoulBall_30
• Track 658 : Familton_31, KingPhillip3_28, SchoolBus_30, NiebruSaylor_30, TelAviv_28, JangDynasty_30, Mori_30, Ryadel_33, Smooch_33, Krili_30, Idergollasper_30, Vagabond_31, Zebo_29, Winget_31
• Track 659 : Alkhayr_29, Wogge42_30, Wildflower_31
• Track 660 : Shida_31
• Track 661 : Zakhe101_31
• Track 662 : Pygmy_2, Bogie_2, Shipwreck_2
• Track 663 : KilKor_2, Phalm_2, Megiddo_2, Bunnies_2, StevieRay_2, Ksquared_2, StressBall_2, CactusJack_2, Polkaroo_2, Gavriela_2, Glaske_2
• Track 664 : Langerak_2

• Track 665 : Mangethe_2, Majeke_2, Arib1_2, Phegasus_2
• Track 666 : Sonah_2, Donovan_2, Juniormint_2
• Track 667 : Brusacoram_2, Atcoo_2, Thespis_2
• Track 668 : Willsammy_2
• Track 669 : GreaseLightnin_2, Zilizebeth_2, Malithi_2, Fishburne_2, Necropolis_2, Etoile_2, Vidya_2, Camster_2, Phineas_2, Bartholomew_2, Kari_2, Dynamo_2, FirstPlacePfu_2, Venti_2
• Track 670 : Jebeks_2
• Track 671 : Bhagsy_2
• Track 672 : Jung_2
• Track 673 : HUHilltop_2, Techage_2
• Track 674 : Tortellini_2
• Track 675 : Xavia_2
• Track 676 : BigNuz_2, Nazo_2
• Track 677 : ThulaThula_2
• Track 678 : Phayonce_2
• Track 679 : Purky_2
• Track 680 : Wishmaker_5, Hail_5, Ein37_5, Luna22_5, Dewey_5, HH92_5, Gravaillia_5, Forge_5, LilHazelnut_5, Webster2_5, Daegal_6, Amymech_5, Gancho_4, OBUpride_5, DeepSoil15_5, Ubuntu_5, Giles_5, Kinbote_5, Amochick_5
• Track 681 : Evanesce_5, Luke_5, Hadrien_5
• Track 682 : Penoan_4
• Track 683 : MaryV_26, EniyanLRS_23, Wildcat_26, Azrael100_25
• Track 684 : Cosmo_26
• Track 685 : Hilltopfarm_9
• Track 686 : Typha_9, Faiyaz_9, AuntGwenStacy_9
• Track 687 : Bipper_9
• Track 688 : Cracklewink_9
• Track 689 : Rem711_3
• Track 690 : 32HC_3
• Track 691 : Min1_37
• Track 692 : RRH1_02
• Track 693 : Barebow_2
• Track 694 : Spartoi_2
• Track 695 : MooMoo_2
• Track 696 : BFK20_ORF2
• Track 697 : PensacolaC28_1
• Track 698 : Eyre_2
• Track 699 : Whack_2
• Track 700 : Sleepyhead_2
• Track 701 : REQ2_02
• Track 702 : P3MA_3
• Track 703 : Finkle_2
• Track 704 : Kumao_13
• Track 705 : IdentityCrisis_2
• Track 706 : Root_4
• Track 707 : Mbo4_2
• Track 708 : Ball_2
• Track 709 : CyranoPS_2
• Track 710 : ArV2_02
• Track 711 : LilSpotty_2
• Track 712 : EmiRose_2

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

The start number called the most often in the published annotations is 164, it was called in 155 of the 1226 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ActinUp_8, Adephagia_8, Adonis_8, Ageofdapage_8, AlishaPH_8, Amelie_4, Amgine_6, Aminay_6, Amohnition_7, Anaya_9, Angelica_8, Apocalypse_8, Applecrisp_6, Asayake_8, Atiba_8, BEEST_8, BGlluviae_8, BaghaKamala_8, BarrelRoll_8, Beezoo_8, Bella96_8, Belladonna_8, Bern_9, Biglebops_4, Blizzard_8, Boiiii_8, Boilgate_5, BoostSeason_4, Bryler_7, CREW_8, Cain_7, CallaLilly_8, Capricorn_8, CaseJules_8, Chancellor_9, Chavito_8, CheetoDust_8, Cheetobro_9, Chris_7, Clipper_9, CrimD_8, Curiosium_9, Dalmuri_8, DarthP_7, Dartin_8, Deby_8, Devera_8, DismalFunk_4, DismalStressor_4, Dole_8, Doughnut_4, DrHayes_8, Durfee_8, Efra2_8, Ekdilam_5, Ellie_5, Emerson_8, Enkosi_4, Eponine_9, Fefferhead_7, Findley_4, Fionnbharth_9, Ganymede_8, Geraldini_8, Guanica15_8, Hammy_7, HedwigODU_8, Homura_8, Hurricane_7, Hyperbowlee_8, Illumine_8, Inky_8, JAWS_8, JF1_9, Jarvi_8, Jayhawk_8, Jeckyll_8, Joy99_8, Keshu_7, KiSi_7, Krueger_7, LastHope_8, LaterM_8, LeMond_7, LilPharaoh_4, LindNT_8, Llorens_8, Lunahalos_8, MacKat_8, MacnCheese_8, Malthus_9, Marcoliusprime_4, MarkPhew_7, McMater_8, Mdavu_4, MeaningOfLife_8, Megsy_8, Milly_4, Mitti_9, MooMoo_2, Mufasa_4, Murucutumbu_8, Mynx_8, Nibb_7, Nikao_4, Niklas_8, Nutello_4, Oscar_7, Padfoot_8, Padpat_8, Peanam_8, Peel_8, Pharb_7, PhelpsODU_7, Phrank_7, Piatt_8, Piku_1, Pixie_7, Pokerus_7, Prithvi_8, QuincyRose_7, Ramen_8, Rapunzel97_8, Richo_8, Rosmarinus_8, Ruthiejr_8, SamuelLPlaqson_8, Scarlett_7, SgtBeansprout_4, Shadow1_6, Shaobing_8, ShedlockHolmes_7, ShiaSurprise_8, SirPhilip_7, Slarp_9, Slimphazie_8, Spock_8, Stinson_8, Strobilo_4, Sulley_8, Sunflower1121_6, Syra333_7, TClif_7, TM4_4, Tachez_8, TaiwanKao_8, Taquito_7, Teejan_4, Tierra_7, TingHuaYa_8, TiniBug_8, Tiri_8, Topper_8, Torres_4, TreyKay_8, TribleTrouble_6, TruffulaTree_8, Twitch_8, Unicorn_7, Urkel_8, Validus_8, Veliki_8, Wintermute_9, Ximenita_8, YoureAdopted_7, Yunkel11_8, Zabiza_8, Zavala_8, ZoeJ_4,

Genes that have the "Most Annotated" start but do not call it:
• Aggie_2, Andies_2, Bobquesha_9, Bosection6_2, Carcharodon_2, Charlie_2, Chewbacca_2, Duplicity_2, EGUnicorn_2, Fulbright_2, Gex_2, Journey_2, Juliette_9, Kraw_9, Lea83_8, Lebo14_9, Magsby_2, Marshawn_9, Melville_2, MissDaisy_9, November_6, OmniCritical_9, Parmesanjohn_2, Patt_9, Philonius_2, Phloss_2, Pipsqueaks_2, Reptar3000_9, SamScheppers_7, Schnauzer_2, Scitech_2, Silvafighter_2, Silvy_2, Smurph_2, TBond007_7, Tapioca_2, Tortoise12_2, Utopia_1, Whytu_1, Xeno_2, Xerxes_2, Y10_09, Y2_09, Yavru_1, Yuna_8,

Genes that do not have the "Most Annotated" start:
• 32HC_3, ATCC29399BC_2, ATCC29399BT_2, AbbyDaisy_3, Abidatro_3, Abigail_3, Acquire49_4, Adaia_3, Adelaide_2, Adora_2, Agent47_6, Alatato_2, Albanese_5, Albedo_3, Albright_3, Aledel_2, Alexphander_3, Alkhayr_29, AllBusiness_5, AlleyCat_6, Aloeri_3, Altostratus_2, Alucard_3, Amelia_4, AmiCi24_2, Amochick_5, Amymech_5, Anatole_3, Andrew_3, Angel_2, AnnaLie_4, AnnabelLee_4, Annalisa_3, Annihilator_2, Anseraureola_3, Antrice_3, Antsirabe_2, Aoka_3, AppleCider_5, Appletree2_4, Aquarius_2, ArV2_02, Arby_4, ArchiDore_2,

Archie_4, Archimedes_1, Archis_2, Arib1_2, Ariel_9, Arielagos_2, Aries55_3, Armstrong_2, Aroostook_2, Arroyo_4, Asapag_3, Ashwin_32, Astro16_3, Atcoo_2, Atlantica_2, Atraxa_3, Attacne_2, Attis_2, Audell_7, AuntGwenStacy_9, Auspice_14, AustinPowers_2, AvGardian_3, AvadaKedavra_4, Avani_3, Avocado_2, Avocadoman_3, Avrafan_2, Avvas_3, Awesomesauce_3, Ayotoya_6, Azathoth_4, Aziz_18, Azizam_3, Azrael100_25, Aztec_3, AzulaCat_2, Azula_2, B22_3, B3_3, BAjuniper_3, BBQValindra_2, BENtherdunthat_3, BFK20_ORF2, BPs_2, BQuat_2, BabeRuth_2, Babushka_2, BabyDaisy_4, BabyYoda_3, Bachaco_3, BackstagePass_2, BaileyBlu_2, Baine_3, Ball_2, Banquo_11, Baoshan_3, BarBear_3, Barco_2, Barebow_2, Barkley26_2, Bartholomew_2, Basilisk_3, Bauer_4, BaxterFox_2, Bazzle_4, Beakin_3, Bedetta_4, Beenie_3, Beethoven_5, Begonia_2, Bellis_5, BelmontSKP_4, Belthelas_3, Bengal_3, Bennie_2, Berka_4, Bernstein_2, BetterKatz_6, Bhagsy_2, Bibble12_4, BigBoyz_1, BigCheese_4, BigMack_2, BigNuz_2, BigPhil_3, BinkBonk_3, Bintii_3, Bipper_9, Biscayne_3, Bjanes7_2, BlackSpider_2, Blair_4, Blarby_4, Blessica_31, BlingBling_2, Blino_2, BlueFeather_1, Blueberry_2, Bobby_11, Bobi_3, BobsGarage_4, Bock_6, Bodacious_2, Bodhi17_3, Bogie_2, BonaeVitae_3, Bongo_14, BoomRoasted_3, Boomer_3, Bora_28, BotCity_3, BourbonZero_4, Bowser_2, Bradley2_3, Brahms_2, BrainDrainer_4, Bran_2, BrayBeast_2, Breezona_4, Bri160_3, Bricole_14, BrokMonster_3, Bromden_4, Brookers_3, BrotherBLo_5, BruceB_2, BruceLethal_2, Brusacoram_2, Brushbloom_3, Brylie_6, Brynnie_3, BubbaBear_3, Budski_3, Buldak_3, Bullzi2019_3, Bunker_2, Bunnies_2, Burgy_3, Burritobowl_3, BurtonThePup_3, Butters_2, BuzzLyseyear_3, CGermain_4, CLED96_2, CabbageMan_2, CactusJack_2, CallieOMalley_5, CallinAllBarbz_2, Calm_4, Camara_2, Cambiare_3, Camri_2, Camster_2, Canowicakte_5, CaptainKirk2_2, CarolAnn_2, Carpal_5, Cashington_3, CassieYates_2, Catdawg_30, Catfish_6, Cayde6_3, Cazares_3, Cedasite_2, Celaena_3, Cerasum_3, Chance64_2, Charbie_3, Chaser_4, Chatham_3, Che9c_2, Che9d_3, CheeseDanish_4, CheeseTouch_3, Cheesecake_3, Cherrybomb426_2, Chestnut_4, ChewChew_2, Chickaboom_2, ChickenDinner_3, ChiliPepper_3, Cholula_5, Chop_6, Chridison_2, Christian_2, CicholasNage_4, Ciel_3, Clap_2, Clark_3, Claus_4, Clautastrophe_5, Clayda5_2, CliffHanger_4, Clownery_3, Coco12_3, CocoCinnamon_5, Coeur_2, Cole_4, Coleslaw_2, Collard_6, Coltrane_2, Colusalem_3, Concrete_3, Copper_4, Coral_3, Corgi_4, Coriander_2, Corndog_32, Cornucopia_3, Cosmo_26, Cota_2, Cote_4, Courthouse_10, Courtney3_4, Cracklewink_9, Crespo_2, CristinaYang_2, CroZenni_3, Crossroads_4, CupcakePrincess_3, Cygnet_3, Cynthia_2, CyranoPS_2, DHan_4, DMoney_2, DNAIII_002, DaWorst_3, Dadosky_6, Daegal_6, DaftyDuck_3, Daiboju_2, DanBing_3, DanHam62_2, Danimal_3, Danno_3, Daob_4, Dardanus_9, Darionha_2, Decurro_4, DeepSoil15_5, DelRio_6, Delian_2, Demsculpinboyz_3, Denise_2, Dewayne_4, Dewey_5, DickRichards_3, Didgeridoo_4, Diminimus_15, Dina_2, DinoDaryn_9, Dino_5, DirkDirk_4, DirtMcgirt_3, DirtPie_3, DirtyBoi_2, DirtyBubble_3, Dismas_3, Dmitri_2, DobbysSock_2, DocMcStuffins_3, Doggs_2, Dolores_3, Donatella_5, Dongwon_3, DonkeyMan_2, Donovan_2, Doobus_3, Dooby_3, Dorito_2, DosHalletts_3, Doucette_3, Douge_4, Douggie_3, Douzhi_4, DrParker_2, DrRobert_2, DrSeegs_4, Drago_3, DreamTeam_2, Dulcita_15, DumpsterDude_2, DuncansLeg_5, Dylan_30, Dynamo_2, DyoEdafos_5, E1_3, E6_3, ECartman_2, ELee24_3, Easley_3, Ebert_2, Ecliptus_3, EdElric_3, Eden_2, EdnaMode_2, Edugator_5, Eesa_3, Efeko_4, Eightball_3, Ein37_5, Ekko14_3, ElectricPheel_5, Elesar_5, Elkhorn_4, Ellson_5, Elspeth_3, Elva_4, EmiRose_2, Emmaloid_3, Emperor_2, Enby_3, Enceladus_4, EniyanLRS_23, Enochoraptor_2, Enoki_2, EpicDab_2, Erin_3, EstebanJulior_2, Estes_19, Etoile_2, Eula_3, Eunoia_2, Evanesce_5, EvenBluerMoon_3, Eyes_2, Eyre_2, Fairfaxidum_2, Faith1_4, Faith5x5_2, Faiyaz_9, Familton_31, FarmResident_4, Fenry_2, Feyre_6,

Finalfrontier_4, Finemlucis_4, Finkle_2, Finnry_5, Firecracker_31, FirstPlacePfu_2, Fishburne_2, FlagStaff_2, FlameThrower_3, Flathead_3, Fluke_5, Forge_5, FoulBall_30, Francois_6, Frankie_3, Franklin22_2, FreakyGoo_14, Frickyeah_3, Frizzle_1, FroggyToad_2, Frokostdame_2, Frosty24_2, Fryberger_34, G4_3, GEazy_2, GMA5_2, GRU3_2, Gabbspett_3, Gabriela_4, Gack_2, Galaxy_3, Gambino_2, Gancho_4, Gardann_4, GardenSalsa_18, Gardevoir_3, Gavriela_2, GemG_2, GenevaB15_18, Gengar_6, Getalong_3, Ghobes_1, Gideon_2, Giles_5, Gillker_3, Girafales_3, Gisselle_2, Gizermo_2, Glaske16_15, Glaske_2, Glenn_5, Glotell_2, Godfather_3, Goib_8, GoldenAsh_2, GoldenBlanche_3, Gomashi_2, Gonephishing_10, Goobery_3, GoodLuckBabe_6, GrandSlam_6, Gravaillia_5, Gravel_4, GreaseLightnin_2, GreenHearts_5, Greenhouse_5, Grizzly_2, Gsput1_5, Guacamole_2, Guey18_39, Guillsminger_6, Guinevere_6, Guntur_4, Gusanita_4, Gustav_2, GuuelaD_4, HH92_5, HUHilltop_2, Hadrien_5, Hafay_4, Hail_5, Halena_4, Haley23_2, Halloweekend_4, Halo_2, HamCheese_2, Hamood_6, Hanako_2, Hannaconda_7, HannahD_2, HannahPhantana_4, HarperAnne_3, HeadMave_3, HeadNerd_2, Hedwig_2, Heftyboy_6, Hegedechwinu_3, Heinz_2, Herb_2, Hernandez44_3, Hibiscus_2, Hilltopfarm_9, Hitter_2, Holliday_3, Hope_2, Horacetta_3, Hortense_2, Horus_3, Hotshotbaby7_2, Howe_2, Huckleberry_2, Huffy_9, Hulk_3, Hunnie_4, HunterDalle_2, Huntingdon_5, IPhane7_14, Icarian_4, Ichiang_4, Idaho_3, IdentityCrisis_2, Idergollasper_30, Immaculata_5, IndyLu_3, Inspire2_4, Invectra_3, InvictusManeo_6, IsHungry_6, Itos_4, Izel_13, IzzyPants24_3, JCole_2, JRok_3, Jabb_3, Jabbawokkie_4, Jahseh_3, JaimeB_3, JalFarm20_3, Jalammah_2, Jamie19_2, Jamun_3, Jane_2, JanetJ_3, JangDynasty_30, Jankie_2, Jannah_3, JasperJr_2, Jeanie_2, Jebeks_2, Jella_3, Jerky_3, Jerole_4, Jessica_5, Jflix2_8, JoBros_3, Joann_5, Job42_3, Jobypre_5, JoeDirt_4, Johnathan_3, Jojo24_2, Jolene_2, Jolie2_2, Jonghyun_2, JooneeDee_3, JorRay_2, Josuke_3, Jovita_3, JuJu_2, Jubie_5, Juice456_3, Julie_6, Jumboset_5, Jung_2, Juniormint_2, Juno112_2, JustASigh_2, KHumphrey_2, KNG13_4, Kahlid_4, Kaijohn_3, Kalizoi_5, Kamaru_3, KappaFarmDelta_2, Kareem_2, Kari_2, Kasen3_2, KashFlow_4, Kate33_3, Katzastrophic_3, KayPaulus_3, Keelan_32, Keiki_2, Kels_2, KendraB23_4, Kenna_3, Kenzers_3, Kepler_3, Kevanna_3, Kevin1_2, Khuang_2, Kieran_3, Kihatsu_7, Kiko_2, KilKor_2, KillerTomato_3, Kimberlium_3, Kinbote_5, KingBob_2, KingPhillip3_28, Kingsley_3, Kingsolomon_5, KirDoubleO7_3, Kittykat_2, Klein_10, KleverKiS_14, Kojax4_3, Korra_5, Kratio_5, Krili_30, Kropertea_4, Krypton555_5, Ksquared_2, Kubed_2, Kudefre_12, Kuleana_3, Kumao_13, Kumotta_3, KylieMac_5, KyriosFaba_3, Lahqtemish_3, Laila_5, Lakshmi_5, Lamberg_2, Langerak_2, Larva_6, Lasagna_2, Lauchelly_2, LaviMo_3, LeBron_4, Leafy_3, Lederberg_2, LemonPepper_3, Lemuria_2, Lennox_2, Lenoxika_6, Leona_2, Leozinho_3, Leroy_3, Leston_6, Leviosa_2, Lewan_4, Liefie_2, LilBandit_2, LilDestine_4, LilHazelnut_5, LilSpotty_2, LilStuart_2, LilhomieP_13, LimaBean_3, Link_4, LionelHutz_3, LitninMcQueen_3, Litotes_5, LittleShirley_3, LittleTokyo_3, Livingwater_3, LiyuLake_5, Loadrie_4, Loca_3, Lola20_3, Lolly9_5, LordFarquaad_2, Lorde_3, Lore_4, LouisV14_2, LouisXIV_4, Lton_2, Lucky10_2, Lucky2013_10, Lucy_2, Luke_5, Lumos_5, Luna22_5, Lunar_4, Lunatic_3, Lutum_3, Luxx_3, Lynlen_3, Lysidious_2, MAckerman_4, MEAK_2, MOOREtheMARYer_2, MadKillah_32, Madebyisha_3, Madiba_3, Madraxi_10, Maggie_4, MagicMan_2, Mahdia_2, Maja_2, Majeke_2, Majesty_3, MakCheese_2, Makoto_2, Malachai_2, Malibo_2, Maliketh_2, Malisha_3, Malithi_2, MamaPearl_2, ManAs_3, Maneater_3, Mangethe_2, MargaretKali_3, Maria1952_2, Mariposa_4, Marker_3, Marmie_2, MaryV_26, Massimo_4, MasterPitts_3, Matteo_2, Mbo4_2, McGonagall_2, McShie_3, MeganNoll_5, Megiddo_2, MelBee03_3, Melba_2, Mellie_2, Melons_4, Mercurio_3, MiaZeal_10, Miaurora_3, MichaelScott_3, MichelleMyBell_2, Miley16_4, Milomuff_4, Min1_37, MiniLon_5, MiniMac_5, Minima_3, MintFen_2,

MirimarMandM_3, Miryou_6, Misaeng_5, Misha28_3, MissRona_2, MkaliMitinis3_4, MoRicky_2, Mocha12_2, Moki_2, Moloch_4, MooKitty_3, Moonflower_2, Moosehead_2, Moostard_5, Mori_30, Morkie_2, Morrissey_2, Mova_3, Mowgli_2, Moyashi_2, Mozy_3, MrAK_2, MrGloopy_5, MrGreen_3, MrMagoo_18, MrSmee_2, MsGreen_5, MsUbiquitous_3, MulchExplorer_3, Mulch_6, Murai_31, Murp_2, Muttlie_4, Myram_3, Naby_3, Nadeem_6, Namsahir_3, Nancia_2, NancyRae_6, Nandita_6, Nanosmite_18, Nazo_2, Necropolis_2, Neighly_6, Nekros_8, Nenae_2, Nettuno_2, Netyap_4, NeumannU_3, Neville_12, Nicholas_5, Nicholasp3_4, Nicky22_4, NiebruSaylor_30, Niffler_3, Nobel_3, Noelani_3, Noely_2, Nubia_5, OBUpride_5, ODay_3, OMalley_2, Oaklynn_3, Obliviate_2, OctaviousRex_2, Octobien14_13, Octopus_3, Ogopogo_4, OhShagHennessy_4, Ohgeesy_2, OkiRoe_6, Oksu_3, Olga_2, Olliecat_3, Omnicron_6, OneDirection_2, Opie_2, Orcanus_3, Oregano_2, OtsoOtso_3, Otwor_3, OurGirlNessie_2, Ouroboros_2, Owens_3, OwlsT2W_3, Oxynfrius_5, P1.1_2, P100.1_2, P100A_2, P100D_2, P101A_2, P104A_2, P104B_2, P105_2, P106A_2, P106C_2, P106I_2, P106L_2, P106M_2, P107A_2, P107C_2, P108C_2, P14.4_2, P3MA_3, P9.1_2, PA6_2, PAD20_2, PAS50_2, PCoral7_2, PFR1_02, PFR2_02, PHL010M04_02, PHL037M02_02, PHL060L00_02, PHL067M10_02, PHL071N05_02, PHL111M01_02, PHL112N00_02, PHL113M01_02, PHL114L00_02, PYPDinur_4, Pace1224_2, Paito_2, Panchino_2, PantheRoc_2, PaoPu_3, Paola_6, Parada_6, PartyCup_5, PastaFagioli_3, Peeb_2, PegLeg_14, Pelletreau_4, Penoan_4, PensacolaC28_1, Periodt_2, Periwinkle_3, Petra_2, Phabuloso_3, Phalm_2, PhancyPhin_2, Phayonce_2, Phegasus_2, PhigPhack_3, Phineas_2, Phisb_3, Phish_2, Phistory_3, PhluffyCoco_2, PhorbesPhlower_2, Phrann_2, Phreak_2, PhriskyACE_2, PhrostedPhlake_2, Pickett_2, Picnic_3, Pigu_3, Pimento_6, PinkFriday_2, PinkYoshi_2, Pinnie_3, Piper2020_3, Pipp_2, Pirate_2, PitaDog_2, Pitbull_2, Plagueis_2, Plumbus_3, PoRanda_3, Polka_3, Polkaroo_2, Pollywog_3, Pondwater_3, Poochiewood_4, Popper_4, Porcelain_10, Potatoes_5, Powerball_2, PrairieDogTown_4, Preamble_2, PrincePatrick_2, Procrass1_2, Prospero_4, Psycho_6, Pterodactyl_2, Publix_3, Puddles3_3, PuffyCat_3, Pumancara_2, Puppers_2, Purgamenstris_2, Purky_2, Pygmy_2, QMacho_4, Quaker_3, Quby_4, QueenBey_2, Quenya_4, Quico_3, QuinnAvery_6, RAP15_5, REQ1_66, REQ2_02, RRH1_02, Rabbitrun_14, Rabbs_2, Rahul_2, Ramsey_3, Rando14_6, Raqqa_3, Rattail_2, RayTheFireFly_2, Raymond7_2, RcigaStruga_5, Rearden_7, Rebel_2, Red305_5, RedFox_2, Redi_2, Reindeer_12, Rem711_3, Remy19_2, Renaissance_2, Renna12_3, Rey_18, Reyja_3, Rhogar_3, Rhysand_3, Rialto_3, Rileysaurus_2, Riovina_2, Riverdale_5, RockyHorror_3, Rollins_2, Rona_3, Ronaldo_37, Ronnie_4, Root_4, RoscoWindex_3, Rose5_4, Rozby_5, Rubeelu_2, Ruchi_3, Rumpelstiltskin_4, Ruthy_2, Ryadel_33, Ryan_6, SKKY_2, Sage7_3, Sahara_2, SallySpecial_2, SamW_2, Samba_2, Samman98_3, Samty_5, SanaSana_4, Sandman_4, SansAfet_3, SantasSleigh_3, Santhid_2, Saphira_4, Sapo_1, SarBear_3, Sara_3, Sarge_2, Sarma624_3, Sarshaun_4, Savage2526_5, Savage_2, Sbash_2, Scamander_3, Schiebel_2, Schiebs_2, Schism_6, Schmidt_5, Schnabeltier_2, SchoolBus_30, Schuy_32, Scrunchy_3, Scuttle_5, SeaWolves_3, Seagreen_3, Sekhmet_3, Sephiroth_13, Sergei_2, SerialPhiller_2, Seume_4, ShaboiShabazz_2, Shaboozey_6, Shagrat_8, Sharkboy_3, ShawBrad_3, Shayna_2, Sheng711_4, Shida_31, Shipwreck_2, Shlim410_2, Shoya_2, ShrimpFriedEgg_2, Shweta_2, Sidious_2, SilverChicken_3, Silverleaf_4, SimranZ1_3, Sippinontea_3, Sizemore_2, SkinnyPete_2, Skinny_15, Skitty_3, Skylord_2, Slay_3, Sleepyhead_2, Slentz_3, SlimJimmy_13, Slim_3, Slizam_3, Smilerella_2, Smooch_33, Sneeze_2, Snekmaggedon_2, Snenia_5, Snuffles_4, SoJulia_4, SoSeph_6, Soap141_4, Softsoap_3, SoilAssassin_2, Solea_4, Solid_2, Sonah_2, Soul22_3, Sourignavong_5, Spartoi_2, Spikelee_3, Splinter_7, SpongeBob_2, Spooky_3, Sproutie_2, Sputnik_3,

Squiddly_4, Squint_10, Squircle_3, Squirty_3, StAB_2, Stap_3, Starcevich_3, Stargaze_2, Stem_3, StevieRay_2, StewieGriff_4, Stiles_2, Stoor_3, Stormborn_2, Stratus_4, StressBall_2, Stromboli_3, StuartMinion_2, Stuck_2, Suerte_2, SunnyD_2, Supakev_2, Supernova_2, Superphikiman_10, Suppi_5, Sweets_2, Swenson_4, Swervy_3, Syleon_13, TMaxx_4, TZGordon_9, Taheera_2, Taj14_4, TaronosaurasRx_2, Tarzan_2, TattModd_5, TaylorSipht_3, Tchotchke_3, Teagster_2, Techage_2, TeddyBoy_3, TelAviv_28, Temper16_2, Terror_2, Thespis_2, Thimann_3, ThulaThula_2, Thyatira_6, TimoTea_3, TinaBug_2, TinaLin_10, TinoCrisci_4, TinyTruffula_3, Toad24_4, Toast_2, TomBrady12_3, TomBrady_2, TootsiePop_3, Tootsieroll_3, Tortellini_2, Totinger_3, Toulouse_3, Tourach_4, Trackstar_3, Trax_12, TriFive_5, Trine_2, Trireme_3, Troy_2, TuertoX_2, TukTuk_3, Twinkle_2, TyDawg_14, TymAbreu_4, Typha_9, Tyson_4, UPIE_4, Ubuntu_5, UmaThurman_2, UncleRicky_3, Underpass_4, Upsilon_3, Upyo_2, Urla_2, Utz_2, Vagabond_31, Vallejo_5, Vanisius_3, Vasanti_2, Velveteen_3, Vendetta_7, Venti_2, Vetrix_4, Vidya_2, Vitas_2, VitulaEligans_3, ViviJ_5, Volt_36, Vorrps_30, Vulpecula_3, Vulture_2, WalkingDead_3, Walrus_2, Wamburgrxpress_4, Wanda_10, Waterfoul_6, Wawa_5, Wayne_5, Webster2_5, Weirdo19_2, Wendigo_2, Westrich_4, Whack_2, WheatThin_6, Whirlwind_6, Whiteclaw_2, Whitney_3, Widow_2, Wigglewiggle_4, Wildcat_26, Wilder_4, Wildflower_31, William_2, Willsammy_2, Winget_31, WinkNick_3, Winky_4, Wishmaker_5, Wisp_2, Witch_3, Wizzo_2, Wocket_2, Wogge42_30, Wolfpack_3, WonderBoy_2, Wyatt2_4, Xavia_2, Yami_3, Yank_4, Yasuo_3, Yeet412_2, Yeezy_2, YertPhresh_3, Yoshi_3, Yubaba_3, YungJamal_33, ZAYM_2, Zaheer_6, Zahlia_3, Zakai_4, Zakhe101_31, Zapner_4, Zarbodnamra_2, Zaria_4, Zebo_29, ZhongYanYuan_3, Zhuangyuan_4, ZiggyZoo_2, Ziko_37, Zilizebeth_2, ZoMa_2, Zodiariah_2, Zombie_2, Zorro_5, Zucker_3,

Summary by start number:

Start 21:
• Found in 4 of 1442 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 1226
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_1 (DA), Frizzle_1 (DA), Ghobes_1 (DA), Sapo_1 (DA),

Start 35:
• Found in 1 of 1442 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Idaho_3 (FE),

Start 38:
• Found in 4 of 1442 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 25.0% of time when present
• Phage (with cluster) where this start called: JustASigh_2 (AH),

Start 39:
• Found in 56 of 1442 (3.9%) of genes in pham
• Manual Annotations of this start: 19 of 1226
• Called 35.7% of time when present
• Phage (with cluster) where this start called: Amochick_5 (Q), Amymech_5 (Q), Daegal_6 (Q), DeepSoil15_5 (Q), Dewey_5 (Q), Ein37_5 (Q), Forge_5 (Q),

Gancho_4 (Q), Giles_5 (Q), Gravaillia_5 (Q), HH92_5 (Q), Hail_5 (Q), Kinbote_5 (Q), LilHazelnut_5 (Q), Luna22_5 (Q), OBUpride_5 (Q), Ubuntu_5 (Q), Webster2_5 (Q), Weirdo19_2 (AH), Wishmaker_5 (Q),

Start 40:
• Found in 53 of 1442 (3.7%) of genes in pham
• Manual Annotations of this start: 46 of 1226
• Called 98.1% of time when present
• Phage (with cluster) where this start called: Arib1_2 (P1), Atcoo_2 (P1), Bartholomew_2 (P1), Bhagsy_2 (P1), BigNuz_2 (P4), Bogie_2 (P1), Brusacoram_2 (P1), Bunnies_2 (P1), CactusJack_2 (P1), Camster_2 (P1), Donovan_2 (P1), Dynamo_2 (P1), Etoile_2 (P1), FirstPlacePfu_2 (P1), Fishburne_2 (P1), Gavriela_2 (P1), Glaske_2 (P1), GreaseLightnin_2 (P1), HUHilltop_2 (P1), Jebeks_2 (P1), Jung_2 (P1), Juniormint_2 (P1), Kari_2 (P1), KilKor_2 (P1), Ksquared_2 (P1), Langerak_2 (P1), Majeke_2 (P1), Malithi_2 (P1), Mangethe_2 (P1), Megiddo_2 (P1), Nazo_2 (P4), Necropolis_2 (P1), Phalm_2 (P1), Phayonce_2 (P5), Phegasus_2 (P1), Phineas_2 (P1), Polkaroo_2 (P1), Purky_2 (P6), Pygmy_2 (P1), Shipwreck_2 (P1), Sonah_2 (P1), StevieRay_2 (P1), StressBall_2 (P1), Techage_2 (P1), Thespis_2 (P1), ThulaThula_2 (P5), Tortellini_2 (P2), Venti_2 (P1), Vidya_2 (P1), Willsammy_2 (P1), Xavia_2 (P3), Zilizebeth_2 (P1),

Start 42:
• Found in 6 of 1442 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 1226
• Called 83.3% of time when present
• Phage (with cluster) where this start called: CabbageMan_2 (FE), CheeseDanish_4 (FE), Corgi_4 (FE), KNG13_4 (FE), Noely_2 (FE),

Start 50:
• Found in 28 of 1442 (1.9%) of genes in pham
• Manual Annotations of this start: 4 of 1226
• Called 21.4% of time when present
• Phage (with cluster) where this start called: 32HC_3 (Z), Banquo_11 (CU1), Dardanus_9 (CU3), Gsput1_5 (CU2), Rem711_3 (Z), TinaLin_10 (CU1),

Start 53:
• Found in 3 of 1442 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 33.3% of time when present
• Phage (with cluster) where this start called: EmiRose_2 (singleton),

Start 54:
• Found in 1 of 1442 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Berka_4 (FE),

Start 59:
• Found in 4 of 1442 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Root_4 (singleton),

Start 62:
• Found in 1 of 1442 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schmidt_5 (CU4),

Start 63:
• Found in 4 of 1442 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Avocado_2 (G2),

Start 66:
• Found in 3 of 1442 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Catfish_6 (CU5),

Start 68:
• Found in 11 of 1442 (0.8%) of genes in pham
• Manual Annotations of this start: 4 of 1226
• Called 54.5% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_9 (Y), Bipper_9 (Y), Cracklewink_9 (Y), Faiyaz_9 (Y), Hilltopfarm_9 (Y), Typha_9 (Y),

Start 73:
• Found in 6 of 1442 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Finkle_2 (singleton),

Start 75:
• Found in 86 of 1442 (6.0%) of genes in pham
• Manual Annotations of this start: 75 of 1226
• Called 87.2% of time when present
• Phage (with cluster) where this start called: Albanese_5 (AK), Aledel_2 (AK), AppleCider_5 (AK), Beethoven_5 (AK), Bennie_2 (AK), BigMack_2 (AK), Bodacious_2 (AK), CallieOMalley_5 (AK), Canowicakte_5 (AK), Carpal_5 (AK), ChewChew_2 (AK), Cholula_5 (AK), Chridison_2 (AK), Christian_2 (AK), CristinaYang_2 (AK), Daiboju_2 (AK), Dino_5 (AK), DrRobert_2 (AK), DreamTeam_2 (AK), EstebanJulior_2 (AK), Eunoia_2 (AK), Fluke_5 (AK), Gisselle_2 (AK), Glenn_5 (AK), GreenHearts_5 (AK), Greenhouse_5 (AK), HeadNerd_2 (AK), Herb_2 (AK), Huckleberry_2 (AK), HunterDalle_2 (AK), Huntingdon_5 (AK), Immaculata_5 (AK), Joann_5 (AK), KingBob_2 (AK), Kittykat_2 (AK), Korra_5 (AK), Lasagna_2 (AK), Lennox_2 (AK), LilStuart_2 (AK), Litotes_5 (AK), Lucy_2 (AK), Makoto_2 (AK), MamaPearl_2 (AK), Maria1952_2 (AK), MeganNoll_5 (AK), Moki_2 (AK), MrGloopy_5 (AK), Nancia_2 (AK), Nubia_5 (AK), OMalley_2 (AK), OurGirlNessie_2 (AK), Oxynfrius_5 (AK), PitaDog_2 (AK), Potatoes_5 (AK), Preamble_2 (AK), Pterodactyl_2 (AK), Pumancara_2 (AK), RAP15_5 (AK), RcigaStruga_5 (AK), Riovina_2 (AK), Riverdale_5 (AK), Rozby_5 (AK), Savage2526_5 (AK), Sergei_2 (AK), Supakev_2 (AK), Suppi_5 (AK), TattModd_5 (AK), Temper16_2 (AK), Urla_2 (AK), Vallejo_5 (AK), Vulture_2 (AK), Wawa_5 (AK), Wayne_5 (AK), WonderBoy_2 (AK), Zorro_5 (AK),

Start 81:
• Found in 51 of 1442 (3.5%) of genes in pham
• Manual Annotations of this start: 7 of 1226
• Called 13.7% of time when present
• Phage (with cluster) where this start called: Basilisk_3 (AS1), Brynnie_3 (AS1), Coral_3 (AS2), LittleTokyo_3 (AS2), Lunar_4 (AS2), Melons_4 (AS2), Polka_3 (AS2),

Start 82:
• Found in 27 of 1442 (1.9%) of genes in pham
• Manual Annotations of this start: 6 of 1226
• Called 29.6% of time when present
• Phage (with cluster) where this start called: Evanesce_5 (Q), Hadrien_5 (Q), Luke_5 (Q), MagicMan_2 (DB), Opie_2 (DB), Schnabeltier_2 (DB), TaronosaurasRx_2 (DB), ZAYM_2 (DB),

Start 84:
• Found in 94 of 1442 (6.5%) of genes in pham
• Manual Annotations of this start: 63 of 1226
• Called 90.4% of time when present
• Phage (with cluster) where this start called: Acquire49_4 (L1), Appletree2_4 (L1), Archie_4 (L2), AvadaKedavra_4 (L1), Baoshan_3 (L2), Bazzle_4 (L2), Bellis_5 (L3), BigCheese_4 (L2), BlueFeather_1 (FE), BobsGarage_4 (L2), BourbonZero_4 (L3), BrainDrainer_4 (L4), Breezona_4 (L2), Bromden_4 (L4), Chaser_4 (L4), Claus_4 (L2), Clautastrophe_5 (L3), Crossroads_4 (L2), DHan_4 (L2), DirkDirk_4 (L1), Douge_4 (L4), Douzhi_4 (L4), DrSeegs_4 (L2), DuncansLeg_5 (L3), DyoEdafos_5 (L4), Ellson_5 (L3), Enceladus_4 (L1), Faith1_4 (L2), FarmResident_4 (L4), Finemlucis_4 (L2), Finnry_5 (L3), Gabriela_4 (L2), Gardann_4 (L2), GuuelaD_4 (L2), Hafay_4 (L2), Halena_4 (L1), Itos_4 (L2), Jobypre_5 (L3), Jubie_5 (L3), Kahlid_4 (L2), Kingsolomon_5 (L3), KirDoubleO7_3 (L3), Krypton555_5 (L3), Lewan_4 (L2), LilDestine_4 (L2), LiyuLake_5 (L3), Loadrie_4 (L2), Lolly9_5 (L3), Lumos_5 (L3), MAckerman_4 (L1), Miley16_4 (L2), MiniLon_5 (L3), MiniMac_5 (L3), MkaliMitinis3_4 (L2), Moostard_5 (L3), MsGreen_5 (L3), Netyap_4 (L2), Nicholas_5 (L3), Nicholasp3_4 (L2), PYPDinur_4 (L4), Quby_4 (L4), Red305_5 (L3), Rose5_4 (L1), Rumpelstiltskin_4 (L2), Samty_5 (L3), Sarshaun_4 (L2), Sheng711_4 (L4), Silverleaf_4 (L1), Snenia_5 (L3), SoJulia_4 (L2), Soap141_4 (L2), Tourach_4 (L2), TriFive_5 (L3), Tyson_4 (L1), Underpass_4 (L2), Vetrix_4 (L2), Wamburgrxpress_4 (L1), Whirlwind_6 (L3), Wigglewiggle_4 (L2), Wilder_4 (L2), Winky_4 (L2), Wyatt2_4 (L1), Zakai_4 (L2), Zaria_4 (L1), ZhongYanYuan_3 (L2),

Start 85:
• Found in 3 of 1442 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 66.7% of time when present
• Phage (with cluster) where this start called: SerialPhiller_2 (AN), Whack_2 (singleton),

Start 86:
• Found in 36 of 1442 (2.5%) of genes in pham
• Manual Annotations of this start: 18 of 1226
• Called 63.9% of time when present
• Phage (with cluster) where this start called: Alkhayr_29 (O), Ashwin_32 (O), Dylan_30 (O), Familton_31 (O), Idergollasper_30 (O), JangDynasty_30 (O),

KingPhillip3_28 (O), Krili_30 (O), Mori_30 (O), NiebruSaylor_30 (O), Ryadel_33 (O), SchoolBus_30 (O), Shida_31 (O), Smooch_33 (O), TelAviv_28 (O), Utopia_1 (FE), Vagabond_31 (O), Whytu_1 (FE), Wildflower_31 (O), Winget_31 (O), Wogge42_30 (O), Yavru_1 (FE), Zebo_29 (O),

Start 87:
• Found in 76 of 1442 (5.3%) of genes in pham
• Manual Annotations of this start: 20 of 1226
• Called 31.6% of time when present
• Phage (with cluster) where this start called: Antsirabe_2 (G5), CLED96_2 (G1), Camri_2 (G1), DMoney_2 (G1), DNAIII_002 (G1), Darionha_2 (G1), FlagStaff_2 (G2), Frosty24_2 (G1), Gideon_2 (G1), Jolie2_2 (G4), Lemuria_2 (G4), MOOREtheMARYer_2 (G3), Marmie_2 (G1), Mercurio_3 (G4), Mowgli_2 (G1), Pace1224_2 (G2), PinkYoshi_2 (G1), Plagueis_2 (G1), Remy19_2 (G1), Schiebel_2 (G1), Sizemore_2 (G1), Stargaze_2 (G5), TinaBug_2 (G1), Zombie_2 (G1),

Start 88:
• Found in 125 of 1442 (8.7%) of genes in pham
• Manual Annotations of this start: 18 of 1226
• Called 16.8% of time when present
• Phage (with cluster) where this start called: Blessica_31 (O), Bora_28 (O), Calm_4 (L1), Catdawg_30 (O), CicholasNage_4 (L1), Corndog_32 (O), DanBing_3 (L2), Firecracker_31 (O), FoulBall_30 (O), JoeDirt_4 (L1), Kropertea_4 (L4), LeBron_4 (L1), MadKillah_32 (O), Murai_31 (O), OhShagHennessy_4 (L1), Poochiewood_4 (L1), Schuy_32 (O), UPIE_4 (L1), Vorrps_30 (O), YungJamal_33 (O), Zakhe101_31 (O),

Start 92:
• Found in 1 of 1442 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CyranoPS_2 (singleton),

Start 93:
• Found in 68 of 1442 (4.7%) of genes in pham
• Manual Annotations of this start: 51 of 1226
• Called 80.9% of time when present
• Phage (with cluster) where this start called: Adora_2 (CZ4), Annalisa_3 (CZ4), Attis_2 (CZ2), BaxterFox_2 (CZ3), Beenie_3 (CZ4), Bjanes7_2 (CZ2), CarolAnn_2 (CV), Clap_2 (CZ2), Clark_3 (CZ4), Cynthia_2 (CZ2), Denise_2 (CZ5), DobbysSock_2 (CZ4), Dolores_3 (CZ4), Dorito_2 (CZ4), Easley_3 (CZ4), Ebert_2 (CZ2), EdnaMode_2 (CZ2), FroggyToad_2 (CZ2), GemG_2 (CZ2), Gizermo_2 (CZ2), Haley23_2 (CZ2), Hortense_2 (CZ4), Howe_2 (CZ4), Invectra_3 (CZ4), JCole_2 (CZ2), Lamberg_2 (CZ2), LordFarquaad_2 (CZ2), Matteo_2 (CZ2), MichaelScott_3 (CZ4), Mocha12_2 (CZ2), Nettuno_2 (CZ2), Ohgeesy_2 (CZ), Oregano_2 (CZ4), PantheRoc_2 (CZ3), Petra_2 (CV), PhriskyACE_2 (CZ4), Pickett_2 (CZ2), Powerball_2 (CZ4), Sahara_2 (CZ2), Samman98_3 (CZ4), Savage_2 (CZ2), Sekhmet_3 (CZ4), Shlim410_2 (CZ4), Sidious_2 (CZ7), SoilAssassin_2 (CZ2), Sproutie_2 (CZ2), Suerte_2 (CZ4), Thimann_3 (CZ4), TuertoX_2 (CZ2), Twinkle_2 (CZ4), Vasanti_2 (CZ2), Whiteclaw_2 (CZ2), WinkNick_3 (CZ4), Yeet412_2 (CZ2), Yeezy_2 (CZ3),

Start 94:

• Found in 3 of 1442 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Arielagos_2 (AN), Kels_2 (AN),

Start 95:
• Found in 13 of 1442 (0.9%) of genes in pham
• Manual Annotations of this start: 6 of 1226
• Called 46.2% of time when present
• Phage (with cluster) where this start called: Azrael100_25 (V), Cosmo_26 (V), EniyanLRS_23 (V), Kumao_13 (singleton), MaryV_26 (V), Wildcat_26 (V),

Start 96:
• Found in 31 of 1442 (2.1%) of genes in pham
• Manual Annotations of this start: 8 of 1226
• Called 58.1% of time when present
• Phage (with cluster) where this start called: AmiCi24_2 (AS3), Andrew_3 (AS3), Atlantica_2 (AS3), Babushka_2 (AS3), Camara_2 (AS3), DanHam62_2 (AS3), Glotell_2 (AS3), Halloweekend_4 (FF), HamCheese_2 (AS3), Juno112_2 (AS3), KHumphrey_2 (AS3), Leona_2 (AS3), LilSpotty_2 (singleton), PhluffyCoco_2 (AS3), Rattail_2 (AS3), RedFox_2 (AS3), Renna12_3 (AS3), StuartMinion_2 (AS3),

Start 97:
• Found in 9 of 1442 (0.6%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: BigBoyz_1 (GH),

Start 99:
• Found in 7 of 1442 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Atraxa_3 (AX), BackstagePass_2 (DB), Sputnik_3 (AX),

Start 100:
• Found in 3 of 1442 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: MoRicky_2 (GH), Smilerella_2 (GH),

Start 103:
• Found in 5 of 1442 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Altostratus_2 (FS), Khuang_2 (FS),

Start 104:
• Found in 44 of 1442 (3.1%) of genes in pham
• Manual Annotations of this start: 38 of 1226
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Arby_4 (AN), Azathoth_4 (AN), Blair_4 (AN), CGermain_4 (AN), Chestnut_4 (AN), Copper_4 (AN), Courtney3_4 (AN),

Decurro_4 (AN), Dewayne_4 (AN), ElectricPheel_5 (AN), Elkhorn_4 (AN), Guntur_4 (AN), Hunnie_4 (AN), Inspire2_4 (AN), Jessica_5 (AN), KylieMac_5 (AN), Laila_5 (AN), Link_4 (AN), Lore_4 (AN), LouisXIV_4 (AN), Maggie_4 (AN), Mariposa_4 (AN), Massimo_4 (AN), Moloch_4 (AN), Muttlie_4 (AN), Penoan_4 (UNK), Prospero_4 (AN), Ronnie_4 (AN), Sandman_4 (AN), Saphira_4 (AN), Seume_4 (AN), Sourignavong_5 (AN), StewieGriff_4 (AN), Stratus_4 (AN), Swenson_4 (AN), Taj14_4 (AN), TinoCrisci_4 (AN), Toulouse_3 (AN), TymAbreu_4 (AN), Yank_4 (AN),

Start 106:
• Found in 143 of 1442 (9.9%) of genes in pham
• Manual Annotations of this start: 126 of 1226
• Called 97.2% of time when present
• Phage (with cluster) where this start called: Alucard_3 (EE), Anseraureola_3 (EE), Aries55_3 (EE), Astro16_3 (EE), Avvas_3 (EE), Azizam_3 (EE), Aztec_3 (EE), Baine_3 (EE), BarBear_3 (EE), Barebow_2 (singleton), Belthelas_3 (EE), BinkBonk_3 (EE), Bintii_3 (EE), Biscayne_3 (EE), Bodhi17_3 (EE), BonaeVitae_3 (EE), BoomRoasted_3 (EE), Bradley2_3 (EE), Bri160_3 (EE), BrokMonster_3 (EE), Bullzi2019_3 (EE), Burgy_3 (EE), BurtonThePup_3 (EE), Cayde6_3 (EE), Charbie_3 (EE), Chatham_3 (EE), Cheesecake_3 (EE), Ciel_3 (EE), Clownery_3 (EE), Concrete_3 (EE), DaftyDuck_3 (EE), Danimal_3 (EE), Danno_3 (EE), DirtPie_3 (EE), Dongwon_3 (EE), Dooby_3 (EE), Douggie_3 (EE), ELee24_3 (EE), EdElric_3 (EE), Efeko_4 (EE), Eightball_3 (EE), Ekko14_3 (EE), Elspeth_3 (EE), Erin_3 (EE), Gabbspett_3 (EE), Gardevoir_3 (EE), Gillker_3 (EE), Godfather_3 (EE), GoldenBlanche_3 (EE), Goobery_3 (EE), HarperAnne_3 (EE), HeadMave_3 (EE), Hernandez44_3 (EE), Horacetta_3 (EE), Hulk_3 (EE), IzzyPants24_3 (EE), JRok_3 (EE), Jahseh_3 (EE), JaimeB_3 (EE), Jannah_3 (EE), Jella_3 (EE), Jerky_3 (EE), JoBros_3 (EE), JooneeDee_3 (EE), Josuke_3 (EE), Kaijohn_3 (EE), KayPaulus_3 (EE), Kevanna_3 (EE), KillerTomato_3 (EE), Kojax4_3 (EE), KyriosFaba_3 (EE), LaviMo_3 (EE), Leafy_3 (EE), LemonPepper_3 (EE), LionelHutz_3 (EE), Livingwater_3 (EE), Loca_3 (EE), Lola20_3 (EE), Lunatic_3 (EE), Luxx_3 (EE), Madebyisha_3 (EE), Majesty_3 (EE), ManAs_3 (EE), Maneater_3 (EE), MasterPitts_3 (EE), McShie_3 (EE), MelBee03_3 (EE), Miaurora_3 (EE), Minima_3 (EE), MirimarMandM_3 (EE), MrGreen_3 (EE), Myram_3 (EE), Naby_3 (EE), Namsahir_3 (EE), NeumannU_3 (EE), Niffler_3 (EE), Nobel_3 (EE), Noelani_3 (EE), Oaklynn_3 (EE), Octopus_3 (EE), Otwor_3 (EE), Owens_3 (EE), PaoPu_3 (EE), Picnic_3 (EE), PoRanda_3 (EE), Pondwater_3 (EE), Publix_3 (EE), Puddles3_3 (EE), PuffyCat_3 (EE), Quaker_3 (EE), Rhogar_3 (EE), Rhysand_3 (EE), RoscoWindex_3 (EE), Sage7_3 (EE), SantasSleigh_3 (EE), Sara_3 (EE), Scamander_3 (EE), Scrunchy_3 (EE), SeaWolves_3 (EE), Sippinontea_3 (EE), Slentz_3 (EE), Slizam_3 (EE), Snuffles_4 (EE), Stem_3 (EE), TeddyBoy_3 (EE), TimoTea_3 (EE), TinyTruffula_3 (EE), TomBrady12_3 (EE), Trackstar_3 (EE), Trireme_3 (EE), Upsilon_3 (EE), Vanisius_3 (EE), VitulaEligans_3 (EE), Witch_3 (EE), Wolfpack_3 (EE), Yasuo_3 (EE), YertPhresh_3 (EE), Yubaba_3 (EE), Zahlia_3 (EE),

Start 107:
• Found in 5 of 1442 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 20.0% of time when present
• Phage (with cluster) where this start called: JuJu_2 (CV),

Start 108:
• Found in 6 of 1442 (0.4%) of genes in pham
• Manual Annotations of this start: 6 of 1226

• Called 100.0% of time when present
• Phage (with cluster) where this start called: DinoDaryn_9 (CU1), Goib_8 (CU1), Huffy_9 (CU1), Splinter_7 (CU1), TZGordon_9 (CU1), Vendetta_7 (CU1),

Start 110:
• Found in 18 of 1442 (1.2%) of genes in pham
• Manual Annotations of this start: 8 of 1226
• Called 72.2% of time when present
• Phage (with cluster) where this start called: Aoka_3 (FO), CocoCinnamon_5 (FO), DonkeyMan_2 (DY), EvenBluerMoon_3 (FO), Heinz_2 (DY), Hibiscus_2 (DY), JanetJ_3 (FO), Jojo24_2 (DY), Maja_2 (FO), PrairieDogTown_4 (FO), Reyja_3 (DY), Santhid_2 (DY), Tarzan_2 (DY),

Start 111:
• Found in 142 of 1442 (9.8%) of genes in pham
• Manual Annotations of this start: 9 of 1226
• Called 6.3% of time when present
• Phage (with cluster) where this start called: Cazares_3 (EE), Gustav_2 (CD), Mahdia_2 (CD), Morrissey_2 (CD), Puppers_2 (CD), Trine_2 (CD), Upyo_2 (CD), Widow_2 (CD), Yami_3 (EE),

Start 112:
• Found in 44 of 1442 (3.1%) of genes in pham
• Manual Annotations of this start: 27 of 1226
• Called 90.9% of time when present
• Phage (with cluster) where this start called: AllBusiness_5 (FF), Auspice_14 (M1), Aziz_18 (M2), Bongo_14 (M1), Bricole_14 (M1), Cole_4 (FF), Diminimus_15 (M1), Donatella_5 (FF), Dulcita_15 (M1), Elesar_5 (FF), Estes_19 (M2), FreakyGoo_14 (M1), GardenSalsa_18 (M2), GenevaB15_18 (M2), Glaske16_15 (M1), GoodLuckBabe_6 (FF), Guinevere_6 (FF), Gusanita_4 (FF), IPhane7_14 (M1), Ichiang_4 (FF), IsHungry_6 (FF), Izel_13 (M1), Julie_6 (FF), Kihatsu_7 (FF), KleverKiS_14 (M1), Lenoxika_6 (FF), LilhomieP_13 (M1), MrMagoo_18 (M2), Nandita_6 (FF), Nanosmite_18 (M3), PegLeg_14 (M1), Popper_4 (FF), QuinnAvery_6 (FF), Reindeer_12 (M1), Ryan_6 (FF), Schism_6 (FF), Skinny_15 (M1), SlimJimmy_13 (M1), TyDawg_14 (M1), Zaheer_6 (FF),

Start 113:
• Found in 41 of 1442 (2.8%) of genes in pham
• Manual Annotations of this start: 34 of 1226
• Called 85.4% of time when present
• Phage (with cluster) where this start called: Archis_2 (CV), Azula_2 (CV), Barco_2 (CV), Begonia_2 (CV), BlingBling_2 (CV), Blino_2 (CV), Blueberry_2 (CV), CaptainKirk2_2 (CV), Delian_2 (CV), Fenry_2 (CV), Frokostdame_2 (CV), Gambino_2 (CV), Guacamole_2 (CV), Hitter_2 (CV), Jalammah_2 (CV), JasperJr_2 (CV), KappaFarmDelta_2 (CV), Lysidious_2 (CV), Malachai_2 (CV), Melba_2 (CV), Mellie_2 (CV), MintFen_2 (CV), MissRona_2 (CV), Murp_2 (CV), Obliviate_2 (CV), PhrostedPhlake_2 (CV), Pipp_2 (CV), Samba_2 (CV), UmaThurman_2 (CV), Utz_2 (CV), Walrus_2 (CV), Wisp_2 (CV), Wocket_2 (CV), Zarbodnamra_2 (CV), ZiggyZoo_2 (CV),

Start 114:
• Found in 7 of 1442 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 1226

• Called 14.3% of time when present
• Phage (with cluster) where this start called: Rey_18 (M2),

Start 116:
• Found in 20 of 1442 (1.4%) of genes in pham
• Manual Annotations of this start: 12 of 1226
• Called 70.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_2 (DB), Bowser_2 (DB), Bunker_2 (DB), Coriander_2 (DB), DirtyBoi_2 (DB), Dmitri_2 (DB), Doggs_2 (DB), Eyes_2 (DB), GEazy_2 (DB), HannahD_2 (DB), Hedwig_2 (DB), Kiko_2 (DB), Moonflower_2 (DB), RayTheFireFly_2 (DB),

Start 118:
• Found in 13 of 1442 (0.9%) of genes in pham
• Manual Annotations of this start: 4 of 1226
• Called 30.8% of time when present
• Phage (with cluster) where this start called: Adelaide_2 (EP), Bran_2 (EP), Dina_2 (EP), Stiles_2 (EP),

Start 120:
• Found in 5 of 1442 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Dismas_3 (EB), Kieran_3 (EB),

Start 121:
• Found in 20 of 1442 (1.4%) of genes in pham
• Manual Annotations of this start: 4 of 1226
• Called 25.0% of time when present
• Phage (with cluster) where this start called: BFK20_ORF2 (singleton), Lederberg_2 (EP), SamW_2 (EP), StAB_2 (EP), Troy_2 (EP),

Start 122:
• Found in 19 of 1442 (1.3%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 15.8% of time when present
• Phage (with cluster) where this start called: BaileyBlu_2 (FP), CallinAllBarbz_2 (FP), Jankie_2 (FP),

Start 123:
• Found in 23 of 1442 (1.6%) of genes in pham
• No Manual Annotations of this start.
• Called 4.3% of time when present
• Phage (with cluster) where this start called: Mbo4_2 (singleton),

Start 127:
• Found in 111 of 1442 (7.7%) of genes in pham
• Manual Annotations of this start: 74 of 1226
• Called 77.5% of time when present
• Phage (with cluster) where this start called: Abigail_3 (EB), Albedo_3 (EB), Albright_3 (EB), Anatole_3 (BV), AnnaLie_4 (EB), Armstrong_2 (EB), Arroyo_4 (EB), AvGardian_3 (EB), Avocadoman_3 (EB), B3_3 (BV), BAjuniper_3 (EB), BabyDaisy_4 (EB), BabyYoda_3 (EB), Bachaco_3 (EB), BelmontSKP_4 (EB), Bengal_3 (EB),

Bernstein_2 (EB), Brahms_2 (EB), BubbaBear_3 (EB), Buldak_3 (EB), Burritobowl_3 (EB), Cashington_3 (EB), Celaena_3 (EB), ChiliPepper_3 (EB), Clayda5_2 (EB), CliffHanger_4 (EB), Coltrane_2 (EB), CroZenni_3 (EB), CupcakePrincess_3 (EB), DickRichards_3 (EB), Didgeridoo_4 (EB), DirtyBubble_3 (EB), Doobus_3 (EB), E1_3 (BV), Eden_2 (EB), Elva_4 (EB), Eula_3 (EB), Fairfaxidum_2 (CV), Finalfrontier_4 (EB), FlameThrower_3 (EB), Franklin22_2 (EB), Gack_2 (EB), Icarian_4 (EB), IndyLu_3 (EB), Jabb_3 (EB), Johnathan_3 (EB), Jovita_3 (EB), Kate33_3 (EB), Katzastrophic_3 (EB), Kenzers_3 (EB), Lahqtemish_3 (EB), LimaBean_3 (EB), Lynlen_3 (EB), Milomuff_4 (EB), MsUbiquitous_3 (EB), Nicky22_4 (EB), Olliecat_3 (EB), PCoral7_2 (CV), PastaFagioli_3 (EB), PhigPhack_3 (EB), Phisb_3 (EB), PrincePatrick_2 (CV), QMacho_4 (EB), Quenya_4 (EB), Rollins_2 (EB), Rona_3 (EB), SanaSana_4 (EB), SansAfet_3 (EB), SarBear_3 (EB), Sharkboy_3 (EB), Shayna_2 (EB), Skylord_2 (EB), Slay_3 (EB), Softsoap_3 (EB), Solea_4 (EB), Squircle_3 (EB), Stoor_3 (EB), Stromboli_3 (EB), SunnyD_2 (EB), Swervy_3 (EB), Teagster_2 (EB), Toast_2 (CV), TukTuk_3 (EB), Vitas_2 (EB), WalkingDead_3 (EB), William_2 (CV),

Start 128:
• Found in 24 of 1442 (1.7%) of genes in pham
• No Manual Annotations of this start.
• Called 12.5% of time when present
• Phage (with cluster) where this start called: AnnabelLee_4 (FR), Audell_7 (FR), TMaxx_4 (FR),

Start 129:
• Found in 3 of 1442 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: PFR1_02 (BX), PFR2_02 (BX),

Start 130:
• Found in 4 of 1442 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Lucky10_2 (DH), PensacolaC28_1 (singleton),

Start 131:
• Found in 95 of 1442 (6.6%) of genes in pham
• Manual Annotations of this start: 3 of 1226
• Called 7.4% of time when present
• Phage (with cluster) where this start called: ArchiDore_2 (DW), DumpsterDude_2 (DW), MakCheese_2 (DW), Malibo_2 (DW), Min1_37 (singleton), Ruthy_2 (DW), Zodiariah_2 (DW),

Start 135:
• Found in 19 of 1442 (1.3%) of genes in pham
• Manual Annotations of this start: 10 of 1226
• Called 78.9% of time when present
• Phage (with cluster) where this start called: Abidatro_3 (AS1), Chickaboom_2 (AS1), Eesa_3 (AS1), Galaxy_3 (AS1), Gravel_4 (AS1), Jamun_3 (AS1), KendraB23_4 (AS1), MooKitty_3 (AX), Orcanus_3 (AS1), Pelletreau_4 (AS1), Ruchi_3 (AS1), TaylorSipht_3 (AS1), Toad24_4 (AS1), Vulpecula_3 (AS1), Westrich_4 (AS1),

Start 136:
• Found in 3 of 1442 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Madraxi_10 (CF), Shagrat_8 (CF),

Start 141:
• Found in 5 of 1442 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Adaia_3 (AX), Jflix2_8 (CF), REQ1_66 (CF),

Start 142:
• Found in 1 of 1442 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sleepyhead_2 (singleton),

Start 144:
• Found in 13 of 1442 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Kuleana_3 (AS2),

Start 148:
• Found in 9 of 1442 (0.6%) of genes in pham
• Manual Annotations of this start: 5 of 1226
• Called 77.8% of time when present
• Phage (with cluster) where this start called: Emperor_2 (DM), GMA5_2 (CW2), GRU3_2 (CW2), Jeanie_2 (CW1), McGonagall_2 (CW1), Rahul_2 (CW2), SallySpecial_2 (DM),

Start 151:
• Found in 9 of 1442 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Sbash_2 (I2), Stuck_2 (I2),

Start 152:
• Found in 62 of 1442 (4.3%) of genes in pham
• Manual Annotations of this start: 34 of 1226
• Called 66.1% of time when present
• Phage (with cluster) where this start called: Aggie_2 (N), Andies_2 (N), Ariel_9 (J), Bobby_11 (J), Bosection6_2 (N), Chewbacca_2 (N), Courthouse_10 (J), EGUnicorn_2 (N), Fulbright_2 (N), Gonephishing_10 (J), Hannaconda_7 (J), Jamie19_2 (N), KashFlow_4 (J), Kevin1_2 (N), Klein_10 (J), Lucky2013_10 (J), MiaZeal_10 (J), Nekros_8 (J), Nenae_2 (N), Panchino_2 (N), Parmesanjohn_2 (N), PhancyPhin_2 (N), Philonius_2 (N), Phrann_2 (N), Pipsqueaks_2 (N), Porcelain_10 (J), Raymond7_2 (N), Rearden_7 (J), Rebel_2 (N), Rubeelu_2 (N), Schnauzer_2 (N), Shaboozey_6 (J), Silvafighter_2 (N), SkinnyPete_2 (N), SpongeBob_2 (N), Squint_10 (J), Superphikiman_10 (J), Tortoise12_2 (N), Wanda_10 (J), Xeno_2 (N), Xerxes_2 (N),

Start 153:
• Found in 64 of 1442 (4.4%) of genes in pham
• Manual Annotations of this start: 47 of 1226
• Called 92.2% of time when present
• Phage (with cluster) where this start called: ATCC29399BC_2 (BU), ATCC29399BT_2 (BU), Aquarius_2 (BU), Attacne_2 (BU), BruceLethal_2 (BU), Cota_2 (BU), DrParker_2 (BU), Enochoraptor_2 (BU), Enoki_2 (BU), Keiki_2 (BU), Kubed_2 (BU), Kudefre_12 (DU1), Lauchelly_2 (BU), Leviosa_2 (BU), LilBandit_2 (BU), MEAK_2 (BU), Moyashi_2 (BU), MrAK_2 (BU), Neville_12 (DU2), Octobien14_13 (DU1), Ouroboros_2 (BU), P1.1_2 (BU), P100.1_2 (BU), P100A_2 (BU), P100D_2 (BU), P101A_2 (BU), P104A_2 (BU), P105_2 (BU), P106A_2 (BU), P107A_2 (BU), P107C_2 (BU), P108C_2 (BU), P14.4_2 (BU), P9.1_2 (BU), PA6_2 (BU), PAD20_2 (BU), PAS50_2 (BU), PHL010M04_02 (BU), PHL037M02_02 (BU), PHL060L00_02 (BU), PHL067M10_02 (BU), PHL071N05_02 (BU), PHL111M01_02 (BU), PHL112N00_02 (BU), PHL113M01_02 (BU), PHL114L00_02 (BU), Pirate_2 (BU), Procrass1_2 (BU), QueenBey_2 (BU), Rabbitrun_14 (DU2), Rileysaurus_2 (BU), SKKY_2 (BU), Sephiroth_13 (DU1), Solid_2 (BU), Stormborn_2 (BU), Supernova_2 (BU), Syleon_13 (DU1), Trax_12 (DU2), Wizzo_2 (BU),

Start 154:
• Found in 96 of 1442 (6.7%) of genes in pham
• Manual Annotations of this start: 76 of 1226
• Called 90.6% of time when present
• Phage (with cluster) where this start called: Alexphander_3 (F1), Aloeri_3 (F1), Asapag_3 (DN1), Avani_3 (F2), Awesomesauce_3 (F1), BENtherdunthat_3 (DN1), Beakin_3 (F1), BigPhil_3 (F1), Blarby_4 (F), Bobi_3 (F1), BotCity_3 (DN), Brookers_3 (F1), Brushbloom_3 (F1), Budski_3 (DN), BuzzLyseyear_3 (F1), Cerasum_3 (F1), Che9d_3 (F2), CheeseTouch_3 (DN1), ChickenDinner_3 (F1), Coco12_3 (F1), Cornucopia_3 (F1), DaWorst_3 (F1), Demsculpinboyz_3 (F2), DirtMcgirt_3 (F1), DocMcStuffins_3 (F1), DosHalletts_3 (F1), Ecliptus_3 (DN), Enby_3 (F1), Flathead_3 (F1), Frankie_3 (F1), Frickyeah_3 (DN1), Getalong_3 (DN1), Girafales_3 (F1), Hegedechwinu_3 (F1), Holliday_3 (DN1), Horus_3 (DN1), Jabbawokkie_4 (F2), JalFarm20_3 (F1), Job42_3 (F1), Kamaru_3 (DN1), Kenna_3 (DN1), Kimberlium_3 (F1), Kingsley_3 (F1), Leozinho_3 (F1), Leroy_3 (DN1), LitninMcQueen_3 (DN1), Lorde_3 (F1), Lutum_3 (DN1), Madiba_3 (F1), Malisha_3 (DN), Marker_3 (F1), Misha28_3 (F1), Mova_3 (F1), Mozy_3 (F1), MulchExplorer_3 (F1), ODay_3 (DN), Ogopogo_4 (F1), Periwinkle_3 (DN1), Phabuloso_3 (DN1), Phistory_3 (DN1), Piper2020_3 (F1), Plumbus_3 (F1), Pollywog_3 (F1), Quico_3 (F1), Ramsey_3 (F1), Rialto_3 (F1), RockyHorror_3 (F1), Sarma624_3 (F1), Seagreen_3 (F1), ShawBrad_3 (DN1), SilverChicken_3 (F2), SimranZ1_3 (F1), Soul22_3 (F2), Spikelee_3 (F1), Spooky_3 (DN2), Squiddly_4 (DN2), Squirty_3 (F3), Stap_3 (F1), Starcevich_3 (F1), Tchotchke_3 (F1), TootsiePop_3 (F1), Tootsieroll_3 (F1), Totinger_3 (F1), Velveteen_3 (F1), Whitney_3 (DN1), Yoshi_3 (F2), Zapner_4 (F2),

Start 155:
• Found in 47 of 1442 (3.3%) of genes in pham
• Manual Annotations of this start: 19 of 1226
• Called 42.6% of time when present
• Phage (with cluster) where this start called: Butters_2 (N), Carcharodon_2 (N), Charlie_2 (N), Duplicity_2 (N), Gex_2 (N), Hanako_2 (N), Journey_2 (N), Magsby_2 (N), Melville_2 (N), MichelleMyBell_2 (N), Phloss_2 (N), Purgamenstris_2 (N), Redi_2 (N), Scitech_2 (N), ShrimpFriedEgg_2 (N), Shweta_2 (N), Silvy_2 (N), Smurph_2 (N),

Snekmaggedon_2 (N), Tapioca_2 (N),

Start 156:
• Found in 146 of 1442 (10.1%) of genes in pham
• Manual Annotations of this start: 11 of 1226
• Called 10.3% of time when present
• Phage (with cluster) where this start called: Alatato_2 (FB), B22_3 (BW), BrayBeast_2 (FB), Doucette_3 (BW), E6_3 (BW), Eyre_2 (singleton), G4_3 (BW), Lea83_8 (K3), Moosehead_2 (CZ6), November_6 (K6), OneDirection_2 (CZ6), Pinnie_3 (G3), REQ2_02 (singleton), TBond007_7 (K3), Yuna_8 (K6),

Start 160:
• Found in 8 of 1442 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 1226
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Bauer_4 (FN), BlackSpider_2 (FN), Che9c_2 (I2), Zucker_3 (FN),

Start 162:
• Found in 14 of 1442 (1.0%) of genes in pham
• Manual Annotations of this start: 5 of 1226
• Called 35.7% of time when present
• Phage (with cluster) where this start called: P104B_2 (BU), P106C_2 (BU), P106I_2 (BU), P106L_2 (BU), P106M_2 (BU),

Start 164:
• Found in 214 of 1442 (14.8%) of genes in pham
• Manual Annotations of this start: 155 of 1226
• Called 79.0% of time when present
• Phage (with cluster) where this start called: ActinUp_8 (K1), Adephagia_8 (K1), Adonis_8 (K1), Ageofdapage_8 (K1), AlishaPH_8 (K1), Amelie_4 (K1), Amgine_6 (K6), Aminay_6 (K7), Amohnition_7 (K6), Anaya_9 (K1), Angelica_8 (K1), Apocalypse_8 (K1), Applecrisp_6 (K6), Asayake_8 (K1), Atiba_8 (K1), BEEST_8 (K1), BGlluviae_8 (K1), BaghaKamala_8 (K1), BarrelRoll_8 (K1), Beezoo_8 (K1), Bella96_8 (K1), Belladonna_8 (K1), Bern_9 (K1), Biglebops_4 (K1), Blizzard_8 (K1), Boiiii_8 (K1), Boilgate_5 (K8), BoostSeason_4 (K2), Bryler_7 (K6), CREW_8 (K1), Cain_7 (K6), CallaLilly_8 (K1), Capricorn_8 (K1), CaseJules_8 (K1), Chancellor_9 (K4), Chavito_8 (K1), CheetoDust_8 (K1), Cheetobro_9 (K4), Chris_7 (K1), Clipper_9 (K1), CrimD_8 (K1), Curiosium_9 (K1), Dalmuri_8 (K1), DarthP_7 (K6), Dartin_8 (K1), Deby_8 (K1), Devera_8 (K1), DismalFunk_4 (K2), DismalStressor_4 (K2), Dole_8 (K1), Doughnut_4 (K2), DrHayes_8 (K1), Durfee_8 (K1), Efra2_8 (K1), Ekdilam_5 (K6), Ellie_5 (K6), Emerson_8 (K1), Enkosi_4 (K1), Eponine_9 (K4), Fefferhead_7 (K6), Findley_4 (K2), Fionnbharth_9 (K4), Ganymede_8 (K1), Geraldini_8 (K1), Guanica15_8 (K1), Hammy_7 (K6), HedwigODU_8 (K1), Homura_8 (K1), Hurricane_7 (K3), Hyperbowlee_8 (K1), Illumine_8 (K1), Inky_8 (K1), JAWS_8 (K1), JF1_9 (K4), Jarvi_8 (K1), Jayhawk_8 (K1), Jeckyll_8 (K1), Joy99_8 (K1), Keshu_7 (K3), KiSi_7 (K1), Krueger_7 (K6), LastHope_8 (K1), LaterM_8 (K1), LeMond_7 (K1), LilPharaoh_4 (K1), LindNT_8 (K1), Llorens_8 (K1), Lunahalos_8 (K1), MacKat_8 (K1), MacnCheese_8 (K3), Malthus_9 (K4), Marcoliusprime_4 (K2), MarkPhew_7 (K1), McMater_8 (K1), Mdavu_4 (K1), MeaningOfLife_8 (K1), Megsy_8 (K1), Milly_4 (K2), Mitti_9 (K4), MooMoo_2 (singleton), Mufasa_4 (K2), Murucutumbu_8 (K1), Mynx_8 (K1), Nibb_7 (K1), Nikao_4 (K1), Niklas_8 (K1), Nutello_4 (K1), Oscar_7 (K1), Padfoot_8 (K1), Padpat_8 (K1), Peanam_8 (K1), Peel_8 (K1), Pharb_7 (K3),

PhelpsODU_7 (K6), Phrank_7 (K6), Piatt_8 (K1), Piku_1 (FE), Pixie_7 (K3), Pokerus_7 (K1), Prithvi_8 (K1), QuincyRose_7 (K1), Ramen_8 (K1), Rapunzel97_8 (K1), Richo_8 (K1), Rosmarinus_8 (K1), Ruthiejr_8 (K4), SamuelLPlaqson_8 (K1), Scarlett_7 (K1), SgtBeansprout_4 (K1), Shadow1_6 (K6), Shaobing_8 (K1), ShedlockHolmes_7 (K3), ShiaSurprise_8 (K1), SirPhilip_7 (K6), Slarp_9 (K4), Slimphazie_8 (K1), Spock_8 (K1), Stinson_8 (K1), Strobilo_4 (K2), Sulley_8 (K1), Sunflower1121_6 (K6), Syra333_7 (K6), TClif_7 (K6), TM4_4 (K2), Tachez_8 (K1), TaiwanKao_8 (K1), Taquito_7 (K4), Teejan_4 (K1), Tierra_7 (K6), TingHuaYa_8 (K1), TiniBug_8 (K1), Tiri_8 (K1), Topper_8 (K1), Torres_4 (K1), TreyKay_8 (K1), TribleTrouble_6 (K3), TruffulaTree_8 (K1), Twitch_8 (K1), Unicorn_7 (K6), Urkel_8 (K1), Validus_8 (K1), Veliki_8 (K1), Wintermute_9 (K4), Ximenita_8 (K6), YoureAdopted_7 (K1), Yunkel11_8 (K1), Zabiza_8 (K1), Zavala_8 (K1), ZoeJ_4 (K2),

Start 167:
• Found in 51 of 1442 (3.5%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 5.9% of time when present
• Phage (with cluster) where this start called: ArV2_02 (singleton), BabeRuth_2 (N), Spartoi_2 (singleton),

Start 169:
• Found in 4 of 1442 (0.3%) of genes in pham
• Manual Annotations of this start: 4 of 1226
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_2 (singleton), Kumotta_3 (FB), P3MA_3 (singleton), Shoya_2 (FB),

Start 172:
• Found in 24 of 1442 (1.7%) of genes in pham
• Manual Annotations of this start: 22 of 1226
• Called 95.8% of time when present
• Phage (with cluster) where this start called: Agent47_6 (K5), AlleyCat_6 (K5), Collard_6 (K5), Dadosky_6 (K5), Edugator_5 (K5), Feyre_6 (K5), Gengar_6 (K5), Guillsminger_6 (K5), Heftyboy_6 (K5), InvictusManeo_6 (K5), Kratio_5 (K5), Larva_6 (K5), Leston_6 (K5), Miryou_6 (K5), OkiRoe_6 (K5), Omnicron_6 (K5), Paola_6 (K5), Psycho_6 (K5), Rando14_6 (K5), SoSeph_6 (K5), Thyatira_6 (K5), ViviJ_5 (K5), Waterfoul_6 (K5),

Start 173:
• Found in 66 of 1442 (4.6%) of genes in pham
• Manual Annotations of this start: 42 of 1226
• Called 68.2% of time when present
• Phage (with cluster) where this start called: Angel_2 (G1), Annihilator_2 (G1), Aroostook_2 (G1), Avrafan_2 (G1), AzulaCat_2 (G1), BPs_2 (G1), BQuat_2 (G1), Barkley26_2 (G1), BruceB_2 (G1), Cambiare_3 (G2), CassieYates_2 (G1), Cedasite_2 (G1), Chance64_2 (G1), Cherrybomb426_2 (G1), Coleslaw_2 (G1), Crespo_2 (G1), ECartman_2 (G1), GoldenAsh_2 (G1), Gomashi_2 (G1), Grizzly_2 (G1), Halo_2 (G1), Hope_2 (G1), Hotshotbaby7_2 (G1), Jane_2 (G1), Jolene_2 (G1), Jonghyun_2 (G1), JorRay_2 (G1), Kareem_2 (G1), Kasen3_2 (G1), Liefie_2 (G1), LouisV14_2 (G1), Maliketh_2 (G1), OctaviousRex_2 (G1), Olga_2 (G1), Peeb_2 (G1), Periodt_2 (G1), Phish_2 (G1), Phreak_2 (G1), Rabbs_2 (G1), Renaissance_2 (G1), Sneeze_2 (G1), Taheera_2 (G1), Terror_2 (G1), Wendigo_2 (G1), ZoMa_2 (G1),

Start 175:
• Found in 65 of 1442 (4.5%) of genes in pham
• Manual Annotations of this start: 3 of 1226
• Called 4.6% of time when present
• Phage (with cluster) where this start called: ShaboiShabazz_2 (G1), Sweets_2 (G1), TomBrady_2 (G1),

Start 178:
• Found in 61 of 1442 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 1.6% of time when present
• Phage (with cluster) where this start called: Faith5x5_2 (CZ6),

Start 179:
• Found in 8 of 1442 (0.6%) of genes in pham
• Manual Annotations of this start: 6 of 1226
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Fryberger_34 (DP), Guey18_39 (DP), Keelan_32 (DP), Ronaldo_37 (DP), Volt_36 (DP), Ziko_37 (DP),

Start 189:
• Found in 14 of 1442 (1.0%) of genes in pham
• Manual Annotations of this start: 6 of 1226
• Called 42.9% of time when present
• Phage (with cluster) where this start called: MargaretKali_3 (FB), Marshawn_9 (K6), Morkie_2 (DH), PhorbesPhlower_2 (DH), Pitbull_2 (FQ), Sarge_2 (FB),

Start 191:
• Found in 75 of 1442 (5.2%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 1.3% of time when present
• Phage (with cluster) where this start called: Lton_2 (CZ),

Start 193:
• Found in 9 of 1442 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Coeur_2 (CW2), Schiebs_2 (CW3),

Start 194:
• Found in 1 of 1442 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ball_2 (singleton),

Start 196:
• Found in 73 of 1442 (5.1%) of genes in pham
• Manual Annotations of this start: 2 of 1226
• Called 2.7% of time when present
• Phage (with cluster) where this start called: AustinPowers_2 (AK), PinkFriday_2 (AK),

Start 198:

• Found in 86 of 1442 (6.0%) of genes in pham
• Manual Annotations of this start: 7 of 1226
• Called 14.0% of time when present
• Phage (with cluster) where this start called: Amelia_4 (AS2), Bedetta_4 (AS2), Bibble12_4 (AS2), Colusalem_3 (AS2), Cote_4 (AS2), Daob_4 (AS2), HannahPhantana_4 (AS2), Jerole_4 (AS2), Kepler_3 (AS2), Lakshmi_5 (AK), Misaeng_5 (AK), OtsoOtso_3 (AS2),

Start 201:
• Found in 69 of 1442 (4.8%) of genes in pham
• No Manual Annotations of this start.
• Called 1.4% of time when present
• Phage (with cluster) where this start called: Neighly_6 (K3),

Start 202:
• Found in 44 of 1442 (3.1%) of genes in pham
• No Manual Annotations of this start.
• Called 4.5% of time when present
• Phage (with cluster) where this start called: PartyCup_5 (AK), Zhuangyuan_4 (AS2),

Start 207:
• Found in 65 of 1442 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 3.1% of time when present
• Phage (with cluster) where this start called: EpicDab_2 (DM), RRH1_02 (singleton),

Start 210:
• Found in 209 of 1442 (14.5%) of genes in pham
• Manual Annotations of this start: 1 of 1226
• Called 0.5% of time when present
• Phage (with cluster) where this start called: Paito_2 (G1),

Start 216:
• Found in 146 of 1442 (10.1%) of genes in pham
• Manual Annotations of this start: 4 of 1226
• Called 2.7% of time when present
• Phage (with cluster) where this start called: BrotherBLo_5 (AK), Jumboset_5 (AK), Kalizoi_5 (AK), Scuttle_5 (AK),

Start 217:
• Found in 206 of 1442 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 1.0% of time when present
• Phage (with cluster) where this start called: Antrice_3 (AS2), Cygnet_3 (AS2),

Start 219:
• Found in 20 of 1442 (1.4%) of genes in pham
• Manual Annotations of this start: 15 of 1226
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Ayotoya_6 (DI), BetterKatz_6 (DI), Bock_6 (DI), Brylie_6 (DI), Chop_6 (DI), DelRio_6 (DI), Francois_6 (DI), GrandSlam_6 (DI), Hamood_6 (DI), Mulch_6 (DI), Nadeem_6 (DI), NancyRae_6 (DI), Parada_6 (DI), Pimento_6 (DI), WheatThin_6 (DI),

Start 222:
• Found in 251 of 1442 (17.4%) of genes in pham
• No Manual Annotations of this start.
• Called 0.4% of time when present
• Phage (with cluster) where this start called: Raqqa_3 (AY),

Start 223:
• Found in 300 of 1442 (20.8%) of genes in pham
• Manual Annotations of this start: 16 of 1226
• Called 7.3% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_3 (AY), Bobquesha_9 (K4), Boomer_3 (F1), Drago_3 (F1), Emmaloid_3 (F1), Juice456_3 (F1), Juliette_9 (K4), Kraw_9 (K4), Lebo14_9 (K4), LittleShirley_3 (F1), MissDaisy_9 (K4), MrSmee_2 (FQ), Oksu_3 (F1), OmniCritical_9 (K4), OwlsT2W_3 (F1), Patt_9 (K4), Reptar3000_9 (K4), SamScheppers_7 (K4), Slim_3 (F1), UncleRicky_3 (F1), Y10_09 (K4), Y2_09 (K4),

Start 295:
• Found in 179 of 1442 (12.4%) of genes in pham
• No Manual Annotations of this start.
• Called 0.6% of time when present
• Phage (with cluster) where this start called: Pigu_3 (FB),

Start 309:
• Found in 256 of 1442 (17.8%) of genes in pham
• No Manual Annotations of this start.
• Called 0.4% of time when present
• Phage (with cluster) where this start called: Skitty_3 (FQ),

Summary by clusters:

There are 96 clusters represented in this pham: I2, FR, BU, BV, BW, BX, G5, G4, G3, G2, G1, GH, K2, FB, FE, FF, CZ2, CZ3, CZ6, CZ7, CZ4, CZ5, M1, M3, M2, P2, P3, P1, P6, P4, P5, EE, O, EB, EP, Z, FP, FQ, singleton, FS, K3, AY, K1, K7, K6, K5, K4, K8, FN, FO, CU5, CU4, CU3, CU2, CU1, DN1, DN2, DU1, DU2, AS3, AS2, AS1, F, J, CF, N, CZ, V, UNK, CV, F1, F2, F3, DN, DM, DH, DI, DB, DA, DY, DW, DP, CW1, CW3, CW2, AH, AK, AN, Q, L4, L2, L3, L1, Y, AX, CD,

Info for manual annotations of cluster AH:
•Start number 38 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AK:
•Start number 75 was manually annotated 75 times for cluster AK.
•Start number 196 was manually annotated 2 times for cluster AK.
•Start number 198 was manually annotated 2 times for cluster AK.
•Start number 216 was manually annotated 4 times for cluster AK.

Info for manual annotations of cluster AN:
•Start number 85 was manually annotated 1 time for cluster AN.
•Start number 94 was manually annotated 2 times for cluster AN.
•Start number 104 was manually annotated 38 times for cluster AN.

Info for manual annotations of cluster AS1:
•Start number 81 was manually annotated 2 times for cluster AS1.
•Start number 135 was manually annotated 9 times for cluster AS1.

Info for manual annotations of cluster AS2:
•Start number 81 was manually annotated 5 times for cluster AS2.
•Start number 144 was manually annotated 1 time for cluster AS2.
•Start number 198 was manually annotated 5 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 96 was manually annotated 7 times for cluster AS3.

Info for manual annotations of cluster AX:
•Start number 99 was manually annotated 2 times for cluster AX.
•Start number 135 was manually annotated 1 time for cluster AX.
•Start number 141 was manually annotated 1 time for cluster AX.

Info for manual annotations of cluster AY:
•Start number 223 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BU:
•Start number 153 was manually annotated 40 times for cluster BU.
•Start number 162 was manually annotated 5 times for cluster BU.

Info for manual annotations of cluster BV:
•Start number 127 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster BW:
•Start number 156 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster CD:
•Start number 111 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CF:
•Start number 136 was manually annotated 2 times for cluster CF.
•Start number 141 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster CU1:
•Start number 50 was manually annotated 2 times for cluster CU1.
•Start number 108 was manually annotated 6 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 50 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 62 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 66 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

•Start number 93 was manually annotated 2 times for cluster CV.
•Start number 107 was manually annotated 1 time for cluster CV.
•Start number 113 was manually annotated 34 times for cluster CV.
•Start number 127 was manually annotated 5 times for cluster CV.

Info for manual annotations of cluster CW1:
•Start number 148 was manually annotated 2 times for cluster CW1.

Info for manual annotations of cluster CW2:
•Start number 148 was manually annotated 1 time for cluster CW2.
•Start number 193 was manually annotated 1 time for cluster CW2.

Info for manual annotations of cluster CW3:
•Start number 193 was manually annotated 1 time for cluster CW3.

Info for manual annotations of cluster CZ:
•Start number 93 was manually annotated 1 time for cluster CZ.
•Start number 191 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ2:
•Start number 93 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 93 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 93 was manually annotated 20 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 93 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 156 was manually annotated 2 times for cluster CZ6.
•Start number 178 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster CZ7:
•Start number 93 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DA:
•Start number 21 was manually annotated 3 times for cluster DA.

Info for manual annotations of cluster DB:
•Start number 82 was manually annotated 3 times for cluster DB.
•Start number 116 was manually annotated 12 times for cluster DB.

Info for manual annotations of cluster DH:
•Start number 130 was manually annotated 1 time for cluster DH.
•Start number 189 was manually annotated 2 times for cluster DH.

Info for manual annotations of cluster DI:
•Start number 219 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DM:

•Start number 148 was manually annotated 2 times for cluster DM.
•Start number 207 was manually annotated 1 time for cluster DM.

Info for manual annotations of cluster DN:
•Start number 154 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 154 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 154 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DP:
•Start number 179 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DU1:
•Start number 153 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 153 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DW:
•Start number 131 was manually annotated 3 times for cluster DW.

Info for manual annotations of cluster DY:
•Start number 110 was manually annotated 5 times for cluster DY.

Info for manual annotations of cluster EB:
•Start number 120 was manually annotated 2 times for cluster EB.
•Start number 127 was manually annotated 66 times for cluster EB.

Info for manual annotations of cluster EE:
•Start number 106 was manually annotated 125 times for cluster EE.
•Start number 111 was manually annotated 2 times for cluster EE.

Info for manual annotations of cluster EP:
•Start number 118 was manually annotated 4 times for cluster EP.
•Start number 121 was manually annotated 4 times for cluster EP.

Info for manual annotations of cluster F1:
•Start number 154 was manually annotated 47 times for cluster F1.
•Start number 223 was manually annotated 6 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 154 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 154 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster FB:
•Start number 156 was manually annotated 1 time for cluster FB.
•Start number 169 was manually annotated 2 times for cluster FB.

•Start number 189 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FE:
•Start number 35 was manually annotated 1 time for cluster FE.
•Start number 42 was manually annotated 3 times for cluster FE.
•Start number 54 was manually annotated 1 time for cluster FE.
•Start number 84 was manually annotated 1 time for cluster FE.
•Start number 86 was manually annotated 2 times for cluster FE.
•Start number 164 was manually annotated 1 time for cluster FE.

Info for manual annotations of cluster FF:
•Start number 112 was manually annotated 8 times for cluster FF.

Info for manual annotations of cluster FN:
•Start number 160 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster FO:
•Start number 110 was manually annotated 3 times for cluster FO.

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

Info for manual annotations of cluster FQ:
•Start number 189 was manually annotated 1 time for cluster FQ.
•Start number 223 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster G1:
•Start number 87 was manually annotated 15 times for cluster G1.
•Start number 173 was manually annotated 41 times for cluster G1.
•Start number 175 was manually annotated 3 times for cluster G1.
•Start number 210 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster G2:
•Start number 63 was manually annotated 1 time for cluster G2.
•Start number 87 was manually annotated 1 time for cluster G2.
•Start number 173 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:
•Start number 87 was manually annotated 1 time for cluster G3.
•Start number 156 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:
•Start number 87 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 87 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster I2:
•Start number 151 was manually annotated 1 time for cluster I2.
•Start number 160 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster J:
•Start number 152 was manually annotated 12 times for cluster J.

Info for manual annotations of cluster K1:
•Start number 164 was manually annotated 103 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 164 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 156 was manually annotated 1 time for cluster K3.
•Start number 164 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 164 was manually annotated 11 times for cluster K4.
•Start number 223 was manually annotated 8 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 172 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 156 was manually annotated 1 time for cluster K6.
•Start number 164 was manually annotated 20 times for cluster K6.
•Start number 189 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K7:
•Start number 164 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 164 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:
•Start number 84 was manually annotated 13 times for cluster L1.
•Start number 88 was manually annotated 6 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 84 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 84 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 84 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster M1:
•Start number 112 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 112 was manually annotated 5 times for cluster M2.
•Start number 114 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster M3:

•Start number 112 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:
•Start number 152 was manually annotated 22 times for cluster N.
•Start number 155 was manually annotated 19 times for cluster N.
•Start number 167 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster O:
•Start number 86 was manually annotated 16 times for cluster O.
•Start number 88 was manually annotated 12 times for cluster O.

Info for manual annotations of cluster P1:
•Start number 40 was manually annotated 39 times for cluster P1.

Info for manual annotations of cluster P2:
•Start number 40 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:
•Start number 40 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:
•Start number 40 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:
•Start number 40 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:
•Start number 40 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:
•Start number 39 was manually annotated 19 times for cluster Q.
•Start number 82 was manually annotated 3 times for cluster Q.

Info for manual annotations of cluster V:
•Start number 95 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster Y:
•Start number 68 was manually annotated 4 times for cluster Y.

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

Gene Information:

Gene: 32HC_3 Start: 878, Stop: 2545, Start Num: 50
Candidate Starts for 32HC_3:
(34, 851), (41, 866), (Start: 50 @878 has 4 MA's), (Start: 219 @1085 has 15 MA's), (275, 1238), (277, 1244), (383, 1460), (386, 1472), (451, 1631), (485, 1676), (493, 1694), (535, 1781), (542, 1802), (556, 1823), (573, 1868), (605, 1931), (629, 1958), (720, 2120), (724, 2129), (762, 2192), (771, 2207), (811, 2252), (825, 2276), (892, 2378), (942, 2447),

Gene: ATCC29399BC_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for ATCC29399BC_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: ATCC29399BT_2 Start: 385, Stop: 1896, Start Num: 153
Candidate Starts for ATCC29399BT_2:
(Start: 153 @385 has 47 MA's), (186, 442), (206, 469), (214, 487), (225, 514), (226, 517), (254, 565), (259, 574), (261, 580), (270, 619), (272, 625), (288, 658), (295, 676), (303, 700), (304, 706), (321, 745), (326, 754), (328, 757), (344, 796), (345, 799), (378, 868), (393, 913), (394, 916), (400, 937), (404, 952), (407, 961), (409, 973), (426, 1012), (434, 1033), (444, 1048), (446, 1051), (448, 1054), (464, 1075), (504, 1141), (556, 1213), (566, 1234), (603, 1294), (605, 1300), (641, 1342), (654, 1363), (673, 1405), (717, 1483), (723, 1492), (734, 1504), (738, 1510), (754, 1537), (768, 1558), (769, 1561), (784, 1576), (816, 1606), (818, 1609), (830, 1633), (844, 1654), (863, 1678), (885, 1711), (887, 1714), (897, 1726), (904, 1738), (951, 1804), (956, 1813), (959, 1819), (969, 1828), (1010, 1882), (1014, 1888),

Gene: AbbyDaisy_3 Start: 789, Stop: 2126, Start Num: 223
Candidate Starts for AbbyDaisy_3:
(158, 669), (222, 786), (Start: 223 @789 has 16 MA's), (240, 837), (257, 882), (283, 966), (288, 972), (304, 1023), (309, 1032), (404, 1218), (407, 1227), (408, 1230), (426, 1269), (428, 1272), (461, 1335), (532, 1410), (561, 1467), (663, 1638), (667, 1653), (696, 1713), (703, 1722), (713, 1743), (767, 1821), (771, 1830), (814, 1875), (820, 1887), (828, 1902), (842, 1932), (875, 1953), (952, 2058),

Gene: Abidatro_3 Start: 758, Stop: 2338, Start Num: 135
Candidate Starts for Abidatro_3:
(Start: 81 @692 has 7 MA's), (Start: 135 @758 has 10 MA's), (Start: 198 @854 has 7 MA's), (202, 863), (257, 944), (270, 995), (275, 1010), (283, 1034), (295, 1055), (305, 1088), (375, 1193), (396, 1256), (410, 1307), (415, 1319), (419, 1331), (449, 1388), (474, 1448), (491, 1487), (496, 1496), (523, 1550), (651, 1766), (657, 1778), (676, 1817), (688, 1844), (697, 1859), (711, 1889), (747, 1928), (751, 1937), (759, 1946), (810, 2036), (825, 2063), (903, 2177), (950, 2246),

Gene: Abigail_3 Start: 689, Stop: 2317, Start Num: 127
Candidate Starts for Abigail_3:
(Start: 127 @689 has 74 MA's), (222, 845), (275, 953), (309, 1037), (334, 1079), (375, 1136), (394, 1187), (395, 1190), (410, 1250), (416, 1268), (430, 1298), (447, 1328), (688, 1784), (697, 1799), (925, 2150), (952, 2198), (1026, 2306),

Gene: Acquire49_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for Acquire49_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: ActinUp_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for ActinUp_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: Adaia_3 Start: 651, Stop: 2057, Start Num: 141
Candidate Starts for Adaia_3:
(Start: 141 @651 has 2 MA's), (170, 693), (200, 744), (Start: 207 @759 has 1 MA's), (259, 843), (267, 879), (270, 888), (271, 891), (277, 909), (324, 1017), (349, 1056), (393, 1128), (394, 1131), (407, 1176), (416, 1209), (429, 1233), (432, 1242), (447, 1266), (583, 1473), (618, 1533), (688, 1650), (783, 1797), (821, 1836), (822, 1839), (861, 1893), (888, 1917), (914, 1929), (945, 1974), (993, 2043),

Gene: Adelaide_2 Start: 371, Stop: 1957, Start Num: 118
Candidate Starts for Adelaide_2:
(Start: 118 @371 has 4 MA's), (Start: 121 @374 has 4 MA's), (Start: 127 @380 has 74 MA's), (225, 551), (257, 629), (260, 638), (322, 812), (389, 914), (391, 920), (395, 929), (396, 938), (414, 998), (435, 1046), (436, 1049), (502, 1112), (546, 1205), (581, 1271), (678, 1427), (686, 1445), (712, 1490), (735, 1532), (757, 1568), (766, 1583), (783, 1610), (786, 1613), (792, 1628), (809, 1661), (819, 1676), (845, 1724), (891, 1772), (943, 1847), (990, 1922), (1011, 1946),

Gene: Adephagia_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for Adephagia_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: Adonis_8 Start: 1604, Stop: 3025, Start Num: 164
Candidate Starts for Adonis_8:
(98, 1532), (Start: 156 @1592 has 11 MA's), (Start: 164 @1604 has 155 MA's), (Start: 223 @1715 has 16 MA's), (224, 1721), (255, 1799), (259, 1808), (271, 1856), (277, 1874), (304, 1943), (336, 1985), (341, 1991), (358, 2018), (360, 2021), (404, 2138), (407, 2147), (444, 2228), (537, 2342), (561, 2390), (566, 2402), (581, 2432), (594, 2456), (601, 2468), (658, 2546), (660, 2552), (745, 2696), (767, 2729), (814, 2783), (952, 2960), (1012, 3014),

Gene: Adora_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for Adora_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (267, 618), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (386, 855), (404, 912), (407, 921), (410, 936), (451, 1008), (459, 1020), (493, 1071), (542, 1137), (566, 1179), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (714, 1458), (742, 1500), (766, 1536), (767, 1539), (799, 1575), (811, 1593), (831, 1629), (864, 1680), (911, 1743), (939, 1785), (965, 1827),

Gene: Agent47_6 Start: 1331, Stop: 2758, Start Num: 172
Candidate Starts for Agent47_6:
(Start: 172 @1331 has 22 MA's), (201, 1388), (Start: 210 @1409 has 1 MA's), (Start: 223 @1433 has 16 MA's), (255, 1517), (259, 1526), (261, 1532), (271, 1574), (277, 1592), (288, 1610), (304, 1661), (335, 1700), (358, 1736), (391, 1814), (404, 1856), (407, 1865), (408, 1868), (444, 1946), (537, 2060), (561, 2108), (566, 2120), (581, 2150), (601, 2186), (617, 2213), (660, 2270), (697, 2354), (711, 2378),

(766, 2456), (814, 2513), (827, 2537), (842, 2561), (952, 2690), (1012, 2747),

Gene: Ageofdapage_8 Start: 1536, Stop: 2957, Start Num: 164
Candidate Starts for Ageofdapage_8:
(98, 1464), (Start: 156 @1524 has 11 MA's), (Start: 164 @1536 has 155 MA's), (Start: 223 @1647 has 16 MA's), (224, 1653), (255, 1731), (259, 1740), (271, 1788), (277, 1806), (288, 1824), (304, 1875), (336, 1917), (341, 1923), (358, 1950), (360, 1953), (391, 2028), (404, 2070), (407, 2079), (444, 2160), (537, 2274), (561, 2322), (566, 2334), (581, 2364), (594, 2388), (601, 2400), (606, 2415), (660, 2484), (745, 2628), (767, 2661), (814, 2715), (952, 2892), (1012, 2946),

Gene: Aggie_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Aggie_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Alatato_2 Start: 316, Stop: 1767, Start Num: 156
Candidate Starts for Alatato_2:
(Start: 156 @316 has 11 MA's), (Start: 189 @376 has 6 MA's), (201, 397), (257, 532), (295, 643), (341, 721), (374, 775), (394, 832), (404, 868), (407, 877), (461, 985), (495, 1009), (556, 1111), (561, 1120), (581, 1165), (597, 1192), (645, 1252), (660, 1273), (674, 1303), (687, 1330), (713, 1372), (714, 1375), (725, 1393), (741, 1411), (743, 1417), (877, 1579), (898, 1603), (955, 1681), (985, 1720), (1012, 1756),

Gene: Albanese_5 Start: 3132, Stop: 4697, Start Num: 75
Candidate Starts for Albanese_5:
(Start: 75 @3132 has 75 MA's), (Start: 198 @3306 has 7 MA's), (Start: 216 @3342 has 4 MA's), (257, 3396), (267, 3438), (275, 3462), (334, 3588), (387, 3702), (393, 3717), (395, 3723), (410, 3783), (436, 3843), (499, 3942), (519, 3972), (556, 4035), (572, 4068), (623, 4155), (676, 4230), (691, 4263), (709, 4299), (767, 4374), (780, 4395), (806, 4416), (843, 4485), (925, 4563), (948, 4602), (964, 4632), (973, 4644), (1010, 4683), (1015, 4692),

Gene: Albedo_3 Start: 677, Stop: 2305, Start Num: 127
Candidate Starts for Albedo_3:
(Start: 127 @677 has 74 MA's), (222, 833), (275, 941), (309, 1025), (318, 1049), (334, 1067), (375, 1124), (394, 1175), (395, 1178), (410, 1238), (416, 1256), (430, 1286), (447, 1316), (688, 1772), (697, 1787), (925, 2138), (952, 2186), (1026, 2294),

Gene: Albright_3 Start: 689, Stop: 2317, Start Num: 127
Candidate Starts for Albright_3:
(Start: 127 @689 has 74 MA's), (222, 845), (275, 953), (309, 1037), (334, 1079), (375, 1136), (394, 1187), (395, 1190), (410, 1250), (416, 1268), (430, 1298), (447, 1328), (688, 1784), (697, 1799), (925, 2150), (952, 2198), (1026, 2306),

Gene: Aledel_2 Start: 429, Stop: 1994, Start Num: 75
Candidate Starts for Aledel_2:
(Start: 75 @429 has 75 MA's), (Start: 196 @600 has 2 MA's), (257, 693), (275, 759), (283, 783), (305, 837), (375, 966), (410, 1080), (436, 1140), (456, 1170), (519, 1269), (526, 1284), (572, 1365), (623, 1452), (676, 1527), (677, 1530), (691, 1560), (749, 1644), (780, 1692), (807, 1716), (884, 1806), (925, 1860), (973, 1941), (1010, 1980),

Gene: Alexphander_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Alexphander_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: AlishaPH_8 Start: 1592, Stop: 3016, Start Num: 164
Candidate Starts for AlishaPH_8:
(98, 1520), (Start: 156 @1580 has 11 MA's), (Start: 164 @1592 has 155 MA's), (Start: 223 @1703 has 16 MA's), (224, 1709), (255, 1787), (259, 1796), (271, 1844), (277, 1862), (304, 1931), (336, 1973), (341, 1979), (358, 2006), (360, 2009), (404, 2126), (407, 2135), (444, 2216), (537, 2330), (561, 2378), (566, 2390), (581, 2420), (594, 2444), (601, 2456), (658, 2534), (660, 2540), (745, 2687), (767, 2720), (814, 2774), (952, 2951), (1012, 3005),

Gene: Alkhayr_29 Start: 13437, Stop: 14951, Start Num: 86
Candidate Starts for Alkhayr_29:
(Start: 86 @13437 has 18 MA's), (Start: 88 @13440 has 18 MA's), (Start: 210 @13620 has 1 MA's), (245, 13713), (270, 13788), (283, 13821), (295, 13848), (304, 13878), (391, 14031), (394, 14037), (404, 14073), (407, 14082), (444, 14163), (450, 14172), (452, 14175), (495, 14214), (534, 14271), (550, 14307), (553, 14310), (656, 14466), (660, 14475), (692, 14544), (697, 14553), (703, 14559), (722, 14592), (745, 14628), (814, 14715), (825, 14736), (888, 14799), (891, 14802), (894, 14805), (905, 14823), (925, 14844), (952, 14886), (982, 14919), (985, 14922), (1005, 14934),

Gene: AllBusiness_5 Start: 1989, Stop: 3686, Start Num: 112
Candidate Starts for AllBusiness_5:
(Start: 68 @1929 has 4 MA's), (Start: 112 @1989 has 27 MA's), (185, 2109), (Start: 198 @2130 has 7 MA's), (222, 2178), (258, 2223), (259, 2226), (269, 2268), (275, 2286), (276, 2289), (277, 2292), (283, 2310), (375, 2469), (395, 2523), (410, 2583), (449, 2664), (478, 2739), (540, 2895), (572, 2961), (579, 2976), (660, 3123), (674, 3156), (697, 3204), (720, 3246), (776, 3318), (807, 3360), (831, 3402), (903, 3477), (905, 3480), (950, 3549), (1004, 3627), (1026, 3675),

Gene: AlleyCat_6 Start: 1349, Stop: 2776, Start Num: 172
Candidate Starts for AlleyCat_6:
(Start: 172 @1349 has 22 MA's), (201, 1406), (Start: 210 @1427 has 1 MA's), (Start: 223 @1451 has 16 MA's), (255, 1535), (259, 1544), (261, 1550), (270, 1589), (271, 1592), (277, 1610), (288, 1628), (304, 1679), (335, 1718), (358, 1754), (374, 1781), (391, 1832), (404, 1874), (407, 1883), (408, 1886), (444, 1964), (537, 2078), (561, 2126), (566, 2138), (581, 2168), (601, 2204), (617, 2231), (660, 2288), (697, 2372), (711, 2396), (766, 2474), (814, 2531), (827, 2555), (842, 2579), (952, 2708), (1012, 2765),

Gene: Aloeri_3 Start: 674, Stop: 2161, Start Num: 154
Candidate Starts for Aloeri_3:
(Start: 131 @662 has 3 MA's), (Start: 154 @674 has 76 MA's), (Start: 223 @800 has 16 MA's), (224, 806), (240, 848), (241, 854), (253, 887), (257, 893), (259, 899), (268, 938), (276, 962), (287, 980), (288, 983), (302, 1025), (333, 1073), (337, 1082), (342, 1091), (344, 1094), (374, 1145), (400, 1223), (407, 1247), (409, 1259), (420, 1280), (428, 1292), (441, 1325), (445, 1331), (495, 1400), (496, 1406), (513, 1439), (532, 1475), (563, 1535), (566, 1544), (579, 1571), (629, 1649), (684, 1745), (714, 1790), (766, 1862), (800, 1901), (823, 1937), (826, 1943), (842, 1967), (882, 1997), (888, 2003), (925, 2045), (927, 2048), (930, 2051), (952, 2093), (960, 2105), (969, 2117),

Gene: Altostratus_2 Start: 390, Stop: 1988, Start Num: 103
Candidate Starts for Altostratus_2:
(Start: 53 @318 has 1 MA's), (103, 390), (185, 507), (261, 630), (375, 918), (395, 972), (396, 981), (409, 1029), (436, 1092), (438, 1095), (589, 1371), (595, 1383), (657, 1470), (668, 1494), (674, 1503), (691, 1542), (705, 1569), (706, 1572), (754, 1632), (811, 1704), (845, 1767), (884, 1788), (890, 1797), (920, 1836), (938, 1863), (1001, 1950), (1004, 1956),

Gene: Alucard_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Alucard_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Amelia_4 Start: 1013, Stop: 2494, Start Num: 198
Candidate Starts for Amelia_4:
(Start: 81 @848 has 7 MA's), (Start: 198 @1013 has 7 MA's), (217, 1052), (257, 1103), (261, 1115), (269, 1151), (275, 1169), (375, 1352), (410, 1466), (415, 1478), (436, 1526), (449, 1547), (459, 1562), (481, 1619), (657, 1934), (688, 2000), (696, 2012), (711, 2045), (747, 2084), (751, 2093), (754, 2096), (793, 2162), (810, 2192), (833, 2237), (864, 2279), (884, 2306), (885, 2309), (950, 2402), (952, 2408), (964, 2429), (973, 2441), (1010, 2480), (1012, 2483),

Gene: Amelie_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for Amelie_4:
(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341, 1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: Amgine_6 Start: 1181, Stop: 2605, Start Num: 164
Candidate Starts for Amgine_6:
(89, 1097), (Start: 156 @1169 has 11 MA's), (Start: 164 @1181 has 155 MA's), (Start: 210 @1268 has 1 MA's), (Start: 223 @1292 has 16 MA's), (255, 1376), (259, 1385), (271, 1433), (277, 1451), (288, 1469), (290, 1472), (304, 1520), (358, 1595), (360, 1598), (404, 1715), (407, 1724), (408, 1727), (420, 1757), (444, 1805), (537, 1919), (561, 1967), (566, 1979), (581, 2009), (594, 2033), (602, 2048), (606, 2060), (660, 2129), (680, 2171), (697, 2201), (745, 2273), (767, 2306), (771, 2315), (814, 2360), (1012, 2594), (1015, 2600),

Gene: AmiCi24_2 Start: 370, Stop: 1992, Start Num: 96
Candidate Starts for AmiCi24_2:
(Start: 81 @349 has 7 MA's), (Start: 96 @370 has 8 MA's), (257, 601), (258, 604), (261, 613), (269, 649), (275, 667), (305, 745), (375, 850), (410, 964), (419, 988), (436, 1024), (449, 1045), (459, 1060), (481, 1120), (523, 1204), (651, 1420), (657, 1432), (670, 1459), (688, 1498), (691, 1504), (711, 1543), (737, 1570), (747, 1582), (767, 1615), (776, 1627), (793, 1660), (903, 1831), (950, 1900), (952, 1906), (964, 1927), (982, 1948), (1010, 1978), (1012, 1981), (1014, 1984),

Gene: Aminay_6 Start: 1302, Stop: 2744, Start Num: 164
Candidate Starts for Aminay_6:
(Start: 164 @1302 has 155 MA's), (Start: 219 @1401 has 15 MA's), (Start: 223 @1407 has 16 MA's), (255, 1491), (259, 1500), (271, 1548), (304, 1635), (309, 1644), (313, 1653), (341, 1683), (391, 1788), (407, 1839), (408, 1842), (424, 1878), (444, 1920), (450, 1929), (537, 2034), (561, 2082), (566, 2094),

(581, 2124), (594, 2148), (602, 2163), (660, 2247), (678, 2289), (697, 2331), (743, 2400), (751, 2415), (797, 2466), (814, 2490), (950, 2661), (957, 2673), (1012, 2733),

Gene: Amochick_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Amochick_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Amohnition_7 Start: 1387, Stop: 2811, Start Num: 164
Candidate Starts for Amohnition_7:
(Start: 156 @1375 has 11 MA's), (Start: 164 @1387 has 155 MA's), (Start: 210 @1474 has 1 MA's), (Start: 223 @1498 has 16 MA's), (255, 1582), (259, 1591), (271, 1639), (277, 1657), (288, 1675), (304, 1726), (341, 1774), (404, 1921), (407, 1930), (408, 1933), (420, 1963), (444, 2011), (537, 2125), (566, 2185), (581, 2215), (606, 2266), (627, 2287), (660, 2335), (680, 2377), (697, 2407), (745, 2479), (814, 2566), (952, 2743), (1012, 2800), (1015, 2806),

Gene: Amymech_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Amymech_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Anatole_3 Start: 1202, Stop: 2782, Start Num: 127
Candidate Starts for Anatole_3:
(Start: 118 @1193 has 4 MA's), (Start: 121 @1196 has 4 MA's), (Start: 127 @1202 has 74 MA's), (Start: 144 @1229 has 1 MA's), (168, 1262), (185, 1292), (Start: 196 @1310 has 2 MA's), (Start: 198 @1313 has 7 MA's), (204, 1328), (Start: 216 @1349 has 4 MA's), (217, 1352), (265, 1439), (269, 1451), (275, 1469), (284, 1499), (285, 1502), (304, 1574), (307, 1580), (322, 1616), (332, 1622), (348, 1655), (379, 1712), (393, 1754), (395, 1760), (417, 1841), (435, 1877), (436, 1880), (454, 1907), (459, 1916), (472, 1952), (552, 2096), (567, 2126), (579, 2153), (589, 2168), (595, 2180), (621, 2222), (652, 2264), (657, 2273), (668, 2297), (691, 2345), (696, 2351), (705, 2372), (706, 2375), (749, 2429), (768, 2459), (806, 2498), (820, 2522), (836, 2555), (870, 2573), (890, 2600), (896, 2606), (903, 2618), (937, 2666), (952, 2696), (1012, 2771),

Gene: Anaya_9 Start: 1616, Stop: 3037, Start Num: 164
Candidate Starts for Anaya_9:
(98, 1544), (Start: 156 @1604 has 11 MA's), (Start: 164 @1616 has 155 MA's), (Start: 223 @1727 has 16 MA's), (224, 1733), (255, 1811), (259, 1820), (261, 1826), (271, 1868), (277, 1886), (304, 1955), (336, 1997), (341, 2003), (358, 2030), (404, 2150), (407, 2159), (444, 2240), (457, 2258), (537, 2354), (561, 2402), (566, 2414), (581, 2444), (594, 2468), (601, 2480), (606, 2495), (658, 2558), (660, 2564), (745, 2708), (767, 2741), (814, 2795), (952, 2972), (1012, 3026),

Gene: Andies_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Andies_2:

(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Andrew_3 Start: 741, Stop: 2363, Start Num: 96
Candidate Starts for Andrew_3:
(Start: 81 @720 has 7 MA's), (Start: 96 @741 has 8 MA's), (Start: 198 @882 has 7 MA's), (203, 894), (217, 921), (257, 972), (258, 975), (261, 984), (266, 1011), (269, 1020), (275, 1038), (305, 1116), (375, 1221), (396, 1284), (410, 1335), (415, 1347), (419, 1359), (436, 1395), (443, 1407), (449, 1416), (459, 1431), (481, 1491), (523, 1575), (651, 1791), (657, 1803), (688, 1869), (691, 1875), (711, 1914), (747, 1953), (767, 1986), (793, 2031), (864, 2148), (890, 2184), (903, 2202), (950, 2271), (952, 2277), (964, 2298), (986, 2322), (1010, 2349), (1012, 2352),

Gene: Angel_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Angel_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Angelica_8 Start: 1575, Stop: 2996, Start Num: 164
Candidate Starts for Angelica_8:
(98, 1503), (Start: 156 @1563 has 11 MA's), (Start: 164 @1575 has 155 MA's), (Start: 223 @1686 has 16 MA's), (224, 1692), (255, 1770), (259, 1779), (271, 1827), (277, 1845), (304, 1914), (336, 1956), (341, 1962), (404, 2109), (407, 2118), (457, 2217), (537, 2313), (561, 2361), (566, 2373), (581, 2403), (594, 2427), (601, 2439), (606, 2454), (660, 2523), (745, 2667), (814, 2754), (952, 2931), (1012, 2985),

Gene: AnnaLie_4 Start: 1038, Stop: 2663, Start Num: 127
Candidate Starts for AnnaLie_4:
(Start: 127 @1038 has 74 MA's), (Start: 144 @1065 has 1 MA's), (222, 1194), (261, 1248), (275, 1302), (280, 1317), (303, 1371), (309, 1386), (375, 1485), (394, 1536), (395, 1539), (410, 1599), (447, 1677), (688, 2130), (697, 2145), (925, 2496), (1026, 2652),

Gene: AnnabelLee_4 Start: 1251, Stop: 2789, Start Num: 128
Candidate Starts for AnnabelLee_4:
(128, 1251), (174, 1296), (261, 1455), (281, 1518), (314, 1605), (407, 1845), (409, 1857), (433, 1914), (522, 2073), (566, 2160), (656, 2292), (755, 2460), (867, 2592),

Gene: Annalisa_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for Annalisa_3:
(51, 760), (Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (317, 1246), (372, 1318), (374, 1321), (386, 1357), (404, 1414), (407, 1423), (410, 1438), (459, 1522), (493, 1573), (542, 1639), (566, 1681), (628, 1795), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (745, 1999), (831, 2122), (836, 2134), (864, 2173), (1008, 2362),

Gene: Annihilator_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Annihilator_2:

(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Anseraureola_3 Start: 1098, Stop: 2558, Start Num: 106
Candidate Starts for Anseraureola_3:
(Start: 106 @1098 has 126 MA's), (Start: 111 @1104 has 9 MA's), (217, 1266), (222, 1275), (258, 1335), (278, 1404), (290, 1425), (305, 1476), (409, 1680), (540, 1893), (546, 1908), (567, 1944), (588, 1986), (605, 2019), (621, 2037), (692, 2157), (694, 2160), (699, 2172), (749, 2247), (788, 2310), (799, 2328), (801, 2331), (919, 2493), (928, 2502), (934, 2511), (955, 2550),

Gene: Antrice_3 Start: 889, Stop: 2325, Start Num: 217
Candidate Starts for Antrice_3:
(Start: 81 @691 has 7 MA's), (217, 889), (257, 940), (258, 943), (261, 952), (275, 1006), (277, 1012), (283, 1030), (375, 1189), (410, 1303), (436, 1363), (449, 1384), (459, 1399), (481, 1456), (540, 1582), (572, 1642), (638, 1738), (651, 1759), (676, 1810), (697, 1852), (747, 1921), (749, 1927), (767, 1954), (793, 1999), (857, 2101), (864, 2110), (868, 2116), (885, 2140), (903, 2164), (950, 2233), (973, 2272), (1012, 2314),

Gene: Antsirabe_2 Start: 354, Stop: 1925, Start Num: 87
Candidate Starts for Antsirabe_2:
(Start: 87 @354 has 20 MA's), (201, 525), (271, 708), (288, 744), (309, 804), (390, 957), (391, 963), (394, 969), (404, 1005), (409, 1026), (426, 1056), (444, 1095), (450, 1104), (561, 1257), (575, 1287), (602, 1335), (660, 1413), (670, 1437), (745, 1563), (782, 1620), (799, 1632), (814, 1650), (877, 1722), (888, 1737), (952, 1830), (998, 1893), (1012, 1914),

Gene: Aoka_3 Start: 1243, Stop: 2838, Start Num: 110
Candidate Starts for Aoka_3:
(Start: 110 @1243 has 8 MA's), (267, 1501), (275, 1525), (277, 1531), (410, 1822), (423, 1852), (449, 1903), (456, 1912), (515, 2014), (520, 2026), (581, 2149), (668, 2278), (793, 2506), (818, 2548), (1012, 2827),

Gene: Apocalypse_8 Start: 1571, Stop: 2992, Start Num: 164
Candidate Starts for Apocalypse_8:
(98, 1499), (Start: 156 @1559 has 11 MA's), (Start: 164 @1571 has 155 MA's), (Start: 223 @1682 has 16 MA's), (224, 1688), (255, 1766), (259, 1775), (271, 1823), (277, 1841), (304, 1910), (336, 1952), (341, 1958), (358, 1985), (360, 1988), (404, 2105), (407, 2114), (444, 2195), (537, 2309), (561, 2357), (566, 2369), (581, 2399), (601, 2435), (658, 2513), (660, 2519), (745, 2663), (767, 2696), (814, 2750), (952, 2927), (1012, 2981),

Gene: AppleCider_5 Start: 3069, Stop: 4637, Start Num: 75
Candidate Starts for AppleCider_5:
(Start: 75 @3069 has 75 MA's), (202, 3255), (217, 3285), (257, 3336), (261, 3348), (267, 3378), (272, 3393), (283, 3426), (334, 3528), (375, 3609), (393, 3657), (410, 3723), (430, 3771), (435, 3780), (473, 3855), (499, 3882), (519, 3912), (538, 3951), (657, 4131), (691, 4203), (709, 4239), (780, 4335), (831, 4401), (869, 4431), (873, 4437), (925, 4503), (1010, 4623),

Gene: Applecrisp_6 Start: 1540, Stop: 2964, Start Num: 164
Candidate Starts for Applecrisp_6:
(89, 1456), (Start: 156 @1528 has 11 MA's), (Start: 164 @1540 has 155 MA's), (Start: 210 @1627 has 1 MA's), (Start: 223 @1651 has 16 MA's), (255, 1735), (259, 1744), (271, 1792), (277, 1810), (288,

1828), (304, 1879), (358, 1954), (360, 1957), (404, 2074), (407, 2083), (408, 2086), (420, 2116), (444, 2164), (537, 2278), (561, 2326), (566, 2338), (581, 2368), (594, 2392), (602, 2407), (606, 2419), (660, 2488), (680, 2530), (697, 2560), (745, 2632), (767, 2665), (771, 2674), (814, 2719), (952, 2896), (1012, 2953), (1015, 2959),

Gene: Appletree2_4 Start: 1025, Stop: 2608, Start Num: 84
Candidate Starts for Appletree2_4:
(Start: 84 @1025 has 63 MA's), (Start: 88 @1031 has 18 MA's), (199, 1202), (245, 1289), (257, 1307), (259, 1313), (267, 1349), (322, 1487), (324, 1490), (372, 1565), (393, 1622), (394, 1625), (481, 1793), (503, 1847), (509, 1856), (517, 1871), (529, 1892), (553, 1931), (564, 1952), (566, 1958), (578, 1985), (608, 2027), (642, 2051), (654, 2069), (658, 2078), (660, 2084), (675, 2117), (692, 2150), (711, 2189), (714, 2195), (717, 2198), (747, 2243), (799, 2309), (830, 2360), (845, 2384), (856, 2399), (857, 2402), (952, 2504), (972, 2531), (1012, 2582), (1014, 2585),

Gene: Aquarius_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for Aquarius_2:
(Start: 153 @378 has 47 MA's), (177, 417), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (444, 1041), (446, 1044), (448, 1047), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (605, 1293), (635, 1326), (651, 1350), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: ArV2_02 Start: 349, Stop: 1803, Start Num: 167
Candidate Starts for ArV2_02:
(Start: 167 @349 has 2 MA's), (Start: 189 @394 has 6 MA's), (201, 415), (Start: 210 @436 has 1 MA's), (Start: 223 @457 has 16 MA's), (245, 526), (251, 541), (257, 550), (266, 589), (283, 634), (304, 691), (309, 700), (317, 718), (372, 790), (374, 793), (407, 895), (426, 937), (444, 976), (556, 1129), (558, 1132), (561, 1138), (581, 1180), (591, 1198), (653, 1297), (669, 1336), (684, 1366), (714, 1411), (745, 1453), (785, 1513), (797, 1516), (822, 1555), (950, 1711),

Gene: Arby_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Arby_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: ArchiDore_2 Start: 434, Stop: 1993, Start Num: 131
Candidate Starts for ArchiDore_2:
(31, 278), (Start: 38 @302 has 1 MA's), (60, 335), (80, 365), (Start: 131 @434 has 3 MA's), (181, 500), (221, 569), (237, 608), (275, 707), (298, 758), (304, 779), (305, 782), (327, 824), (370, 878), (407, 986), (449, 1070), (451, 1073), (493, 1136), (507, 1166), (518, 1184), (520, 1187), (614, 1376), (654, 1430), (658, 1439), (672, 1472), (689, 1502), (717, 1550), (723, 1559), (728, 1568), (743, 1595), (745, 1598), (762, 1625), (811, 1685), (824, 1706), (892, 1811), (915, 1844), (956, 1913),

Gene: Archie_4 Start: 1034, Stop: 2602, Start Num: 84
Candidate Starts for Archie_4:
(Start: 84 @1034 has 63 MA's), (Start: 88 @1040 has 18 MA's), (101, 1058), (190, 1196), (218, 1244), (225, 1262), (277, 1388), (321, 1493), (324, 1499), (391, 1631), (394, 1637), (400, 1658), (442, 1757),

(481, 1805), (503, 1859), (517, 1883), (529, 1904), (542, 1928), (546, 1934), (564, 1964), (566, 1970), (578, 1997), (582, 2006), (660, 2096), (698, 2174), (717, 2210), (747, 2255), (799, 2321), (830, 2372), (845, 2396), (857, 2414), (865, 2423), (995, 2570), (1012, 2594), (1014, 2597),

Gene: Archimedes_1 Start: 59, Stop: 1762, Start Num: 21
Candidate Starts for Archimedes_1:
(16, 20), (Start: 21 @59 has 3 MA's), (Start: 99 @218 has 2 MA's), (Start: 107 @227 has 1 MA's), (Start: 118 @242 has 4 MA's), (180, 329), (260, 467), (275, 524), (290, 551), (307, 605), (396, 770), (416, 839), (435, 878), (443, 893), (543, 1034), (547, 1043), (554, 1052), (560, 1064), (584, 1112), (601, 1142), (615, 1166), (660, 1223), (697, 1298), (708, 1322), (717, 1334), (809, 1481), (811, 1484), (885, 1577), (901, 1598), (963, 1694), (987, 1724), (1012, 1751), (1014, 1754),

Gene: Archis_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Archis_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Arib1_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Arib1_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (702, 1622), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Ariel_9 Start: 2909, Stop: 4441, Start Num: 152
Candidate Starts for Ariel_9:
(Start: 122 @2867 has 2 MA's), (128, 2876), (Start: 152 @2909 has 34 MA's), (224, 3023), (260, 3119), (270, 3161), (272, 3167), (302, 3242), (304, 3251), (371, 3353), (373, 3356), (386, 3392), (398, 3425), (534, 3674), (566, 3737), (578, 3764), (603, 3809), (674, 3923), (692, 3959), (709, 3989), (714, 3998), (752, 4052), (769, 4076), (952, 4310), (959, 4322),

Gene: Arielagos_2 Start: 424, Stop: 1926, Start Num: 94
Candidate Starts for Arielagos_2:
(51, 361), (Start: 85 @412 has 2 MA's), (Start: 94 @424 has 2 MA's), (115, 448), (138, 472), (Start: 207 @583 has 1 MA's), (220, 610), (261, 673), (267, 703), (270, 712), (276, 730), (324, 841), (346, 874), (394, 955), (408, 1003), (441, 1084), (540, 1219), (556, 1246), (583, 1297), (601, 1330), (709, 1513), (776, 1606), (809, 1645), (813, 1651), (822, 1660), (841, 1699), (914, 1783), (925, 1798), (959, 1858), (985, 1888),

Gene: Aries55_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Aries55_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Armstrong_2 Start: 593, Stop: 2155, Start Num: 127
Candidate Starts for Armstrong_2:

(Start: 127 @593 has 74 MA's), (Start: 196 @701 has 2 MA's), (222, 749), (275, 857), (277, 863), (280, 872), (282, 878), (283, 881), (324, 977), (375, 1040), (410, 1154), (436, 1214), (447, 1232), (558, 1460), (579, 1505), (668, 1643), (890, 1970), (1015, 2144), (1018, 2147),

Gene: Aroostook_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Aroostook_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Arroyo_4 Start: 1159, Stop: 2787, Start Num: 127
Candidate Starts for Arroyo_4:
(Start: 127 @1159 has 74 MA's), (222, 1315), (275, 1423), (303, 1492), (309, 1507), (394, 1657), (395, 1660), (410, 1720), (430, 1768), (447, 1798), (688, 2254), (697, 2269), (925, 2620), (952, 2668), (1026, 2776),

Gene: Asapag_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for Asapag_3:
(132, 664), (Start: 154 @673 has 76 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (241, 853), (253, 886), (268, 937), (271, 946), (288, 982), (302, 1024), (310, 1045), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (445, 1330), (497, 1411), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (597, 1603), (640, 1657), (698, 1759), (714, 1786), (823, 1933), (829, 1945), (842, 1963), (925, 2041), (927, 2044), (930, 2047), (960, 2101), (969, 2113),

Gene: Asayake_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Asayake_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Ashwin_32 Start: 13447, Stop: 14961, Start Num: 86
Candidate Starts for Ashwin_32:
(Start: 86 @13447 has 18 MA's), (Start: 88 @13450 has 18 MA's), (Start: 210 @13630 has 1 MA's), (245, 13723), (270, 13798), (283, 13831), (295, 13858), (304, 13888), (391, 14041), (394, 14047), (404, 14083), (407, 14092), (444, 14173), (450, 14182), (452, 14185), (534, 14281), (550, 14317), (553, 14320), (656, 14476), (660, 14485), (692, 14554), (697, 14563), (703, 14569), (722, 14602), (745, 14638), (814, 14725), (825, 14746), (888, 14809), (891, 14812), (894, 14815), (905, 14833), (925, 14854), (952, 14896), (982, 14929), (985, 14932), (1005, 14944),

Gene: Astro16_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Astro16_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Atcoo_2 Start: 401, Stop: 2077, Start Num: 40
Candidate Starts for Atcoo_2:

(Start: 40 @401 has 46 MA's), (192, 617), (213, 656), (244, 713), (247, 719), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (309, 887), (314, 899), (365, 989), (440, 1178), (520, 1274), (535, 1304), (542, 1325), (616, 1466), (629, 1478), (741, 1676), (745, 1685), (762, 1712), (799, 1754), (811, 1772), (862, 1856), (871, 1871), (1012, 2060),

Gene: Atiba_8 Start: 1556, Stop: 2980, Start Num: 164
Candidate Starts for Atiba_8:
(98, 1484), (Start: 156 @1544 has 11 MA's), (Start: 164 @1556 has 155 MA's), (Start: 223 @1667 has 16 MA's), (224, 1673), (255, 1751), (259, 1760), (271, 1808), (277, 1826), (304, 1895), (336, 1937), (341, 1943), (358, 1970), (360, 1973), (404, 2090), (407, 2099), (444, 2180), (537, 2294), (561, 2342), (566, 2354), (581, 2384), (594, 2408), (601, 2420), (658, 2498), (660, 2504), (745, 2651), (767, 2684), (814, 2738), (952, 2915), (1012, 2969),

Gene: Atlantica_2 Start: 370, Stop: 1992, Start Num: 96
Candidate Starts for Atlantica_2:
(Start: 81 @349 has 7 MA's), (Start: 96 @370 has 8 MA's), (257, 601), (258, 604), (261, 613), (269, 649), (275, 667), (305, 745), (375, 850), (410, 964), (419, 988), (436, 1024), (449, 1045), (459, 1060), (481, 1120), (523, 1204), (651, 1420), (657, 1432), (670, 1459), (688, 1498), (691, 1504), (711, 1543), (737, 1570), (747, 1582), (767, 1615), (776, 1627), (793, 1660), (903, 1831), (950, 1900), (964, 1927), (982, 1948), (1010, 1978), (1012, 1981), (1014, 1984),

Gene: Atraxa_3 Start: 604, Stop: 2115, Start Num: 99
Candidate Starts for Atraxa_3:
(72, 562), (Start: 99 @604 has 2 MA's), (Start: 207 @763 has 1 MA's), (231, 808), (259, 847), (261, 853), (267, 883), (271, 895), (277, 913), (318, 1009), (384, 1108), (393, 1132), (394, 1135), (408, 1183), (416, 1213), (425, 1228), (429, 1237), (432, 1246), (447, 1270), (556, 1426), (559, 1429), (583, 1477), (618, 1537), (636, 1546), (652, 1573), (674, 1624), (721, 1711), (738, 1729), (781, 1801), (821, 1843), (822, 1846), (836, 1876), (858, 1909), (861, 1912), (872, 1930),

Gene: Attacne_2 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for Attacne_2:
(Start: 151 @370 has 1 MA's), (Start: 153 @373 has 47 MA's), (Start: 162 @385 has 5 MA's), (177, 412), (186, 430), (206, 457), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (267, 598), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (372, 847), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (434, 1021), (444, 1036), (446, 1039), (448, 1042), (455, 1048), (464, 1063), (504, 1129), (521, 1150), (540, 1174), (546, 1186), (556, 1201), (566, 1222), (605, 1288), (635, 1321), (654, 1351), (673, 1393), (717, 1471), (723, 1480), (734, 1492), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (819, 1600), (827, 1615), (830, 1621), (885, 1699), (887, 1702), (897, 1714), (951, 1792), (956, 1801), (959, 1807), (969, 1816), (1010, 1870), (1014, 1876),

Gene: Attis_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Attis_2:
(Start: 93 @318 has 51 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Audell_7 Start: 4657, Stop: 6186, Start Num: 128
Candidate Starts for Audell_7:
(128, 4657), (174, 4702), (199, 4741), (214, 4765), (259, 4855), (261, 4861), (314, 5011), (407, 5242), (409, 5254), (433, 5311), (522, 5467), (532, 5488), (566, 5554), (567, 5560), (867, 5986), (971, 6127),

Gene: AuntGwenStacy_9 Start: 4674, Stop: 6299, Start Num: 68
Candidate Starts for AuntGwenStacy_9:
(24, 4593), (29, 4611), (49, 4650), (58, 4662), (Start: 63 @4668 has 1 MA's), (Start: 68 @4674 has 4 MA's), (Start: 73 @4680 has 1 MA's), (Start: 193 @4848 has 2 MA's), (200, 4860), (204, 4872), (275, 5016), (302, 5112), (304, 5121), (346, 5199), (349, 5205), (387, 5262), (393, 5277), (419, 5367), (435, 5400), (436, 5403), (505, 5475), (535, 5532), (556, 5580), (566, 5601), (570, 5613), (575, 5625), (589, 5649), (601, 5673), (603, 5679), (651, 5736), (660, 5754), (709, 5856), (740, 5898), (777, 5961), (781, 5970), (786, 5976), (846, 6090), (874, 6102), (894, 6120), (924, 6162), (949, 6204), (957, 6219),

Gene: Auspice_14 Start: 4719, Stop: 6263, Start Num: 112
Candidate Starts for Auspice_14:
(Start: 112 @4719 has 27 MA's), (143, 4767), (258, 4968), (304, 5106), (403, 5298), (517, 5508), (546, 5559), (582, 5631), (658, 5694), (667, 5718), (675, 5733), (705, 5793), (711, 5805), (743, 5865), (766, 5898), (797, 5931), (814, 5958), (841, 6006), (977, 6192), (995, 6213),

Gene: AustinPowers_2 Start: 600, Stop: 1994, Start Num: 196
Candidate Starts for AustinPowers_2:
(Start: 75 @429 has 75 MA's), (Start: 196 @600 has 2 MA's), (257, 693), (272, 750), (275, 759), (283, 783), (305, 837), (375, 966), (393, 1014), (410, 1080), (436, 1140), (456, 1170), (519, 1269), (526, 1284), (623, 1452), (676, 1527), (691, 1560), (749, 1644), (780, 1692), (807, 1716), (884, 1806), (925, 1860), (973, 1941), (1010, 1980),

Gene: AvGardian_3 Start: 755, Stop: 2380, Start Num: 127
Candidate Starts for AvGardian_3:
(Start: 127 @755 has 74 MA's), (222, 911), (275, 1019), (280, 1034), (309, 1103), (324, 1139), (335, 1148), (394, 1253), (395, 1256), (410, 1316), (416, 1334), (417, 1337), (430, 1364), (447, 1394), (523, 1556), (618, 1736), (696, 1859), (697, 1862), (767, 1964), (925, 2213), (1010, 2330), (1026, 2369),

Gene: AvadaKedavra_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for AvadaKedavra_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: Avani_3 Start: 663, Stop: 2183, Start Num: 154
Candidate Starts for Avani_3:
(Start: 131 @651 has 3 MA's), (Start: 154 @663 has 76 MA's), (Start: 223 @789 has 16 MA's), (225, 798), (241, 843), (251, 873), (253, 876), (257, 882), (268, 927), (276, 951), (288, 972), (302, 1014), (310, 1035), (333, 1062), (342, 1080), (344, 1083), (358, 1107), (374, 1134), (394, 1191), (404, 1227), (407, 1236), (409, 1248), (412, 1254), (420, 1269), (428, 1281), (439, 1308), (441, 1314), (445, 1320), (467, 1356), (479, 1365), (496, 1395), (511, 1425), (513, 1428), (563, 1524), (566, 1533), (579, 1560), (633, 1644), (651, 1659), (709, 1770), (714, 1779), (722, 1788), (766, 1851), (823, 1926), (829, 1938), (842, 1956), (888, 1992), (925, 2034), (930, 2040), (952, 2082), (960, 2094), (969, 2106), (1023, 2172),

Gene: Avocado_2 Start: 352, Stop: 1935, Start Num: 63
Candidate Starts for Avocado_2:
(Start: 63 @352 has 1 MA's), (132, 436), (258, 652), (271, 703), (288, 739), (309, 799), (394, 964), (404, 1000), (409, 1021), (426, 1051), (444, 1090), (561, 1252), (594, 1315), (602, 1330), (630, 1375), (632, 1378), (660, 1426), (670, 1450), (714, 1525), (745, 1576), (766, 1606), (767, 1609), (771, 1618),

(782, 1633), (797, 1639), (799, 1645), (825, 1684), (877, 1735), (888, 1750), (950, 1837), (952, 1843), (1012, 1924), (1015, 1930),

Gene: Avocadoman_3 Start: 747, Stop: 2375, Start Num: 127
Candidate Starts for Avocadoman_3:
(Start: 127 @747 has 74 MA's), (222, 903), (275, 1011), (309, 1095), (334, 1137), (375, 1194), (394, 1245), (395, 1248), (410, 1308), (416, 1326), (430, 1356), (447, 1386), (688, 1842), (697, 1857), (925, 2208), (952, 2256), (1026, 2364),

Gene: Avrafan_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Avrafan_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Avvas_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Avvas_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Awesomesauce_3 Start: 674, Stop: 2161, Start Num: 154
Candidate Starts for Awesomesauce_3:
(Start: 131 @662 has 3 MA's), (Start: 154 @674 has 76 MA's), (Start: 223 @800 has 16 MA's), (224, 806), (240, 848), (241, 854), (253, 887), (257, 893), (259, 899), (268, 938), (276, 962), (288, 983), (302, 1025), (333, 1073), (337, 1082), (342, 1091), (344, 1094), (374, 1145), (394, 1202), (400, 1223), (407, 1247), (409, 1259), (420, 1280), (428, 1292), (441, 1325), (445, 1331), (495, 1400), (496, 1406), (513, 1439), (532, 1475), (563, 1535), (566, 1544), (579, 1571), (629, 1649), (658, 1682), (684, 1745), (714, 1790), (766, 1862), (800, 1901), (823, 1937), (826, 1943), (842, 1967), (882, 1997), (888, 2003), (925, 2045), (927, 2048), (930, 2051), (952, 2093), (960, 2105), (969, 2117),

Gene: Ayotoya_6 Start: 2230, Stop: 3660, Start Num: 219
Candidate Starts for Ayotoya_6:
(123, 2062), (126, 2065), (Start: 127 @2068 has 74 MA's), (Start: 131 @2074 has 3 MA's), (Start: 219 @2230 has 15 MA's), (226, 2248), (275, 2371), (283, 2389), (299, 2428), (302, 2437), (357, 2521), (394, 2605), (399, 2620), (408, 2653), (440, 2719), (489, 2788), (514, 2851), (606, 3040), (618, 3052), (654, 3100), (672, 3142), (699, 3193), (743, 3268), (745, 3271), (762, 3298), (811, 3358), (830, 3391), (836, 3406), (862, 3442), (892, 3484), (913, 3511), (939, 3547), (942, 3553), (966, 3592),

Gene: Azathoth_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Azathoth_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Aziz_18 Start: 5321, Stop: 6862, Start Num: 112
Candidate Starts for Aziz_18:

(Start: 112 @5321 has 27 MA's), (Start: 114 @5324 has 1 MA's), (224, 5507), (231, 5525), (252, 5558), (258, 5567), (304, 5705), (391, 5858), (403, 5897), (446, 5990), (460, 6011), (546, 6158), (576, 6218), (692, 6365), (705, 6392), (747, 6470), (797, 6530), (814, 6557), (995, 6812),

Gene: Azizam_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Azizam_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (501, 1791), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Azrael100_25 Start: 8124, Stop: 9737, Start Num: 95
Candidate Starts for Azrael100_25:
(Start: 95 @8124 has 6 MA's), (199, 8274), (Start: 210 @8292 has 1 MA's), (225, 8325), (229, 8337), (260, 8388), (261, 8391), (273, 8439), (275, 8445), (293, 8484), (294, 8487), (304, 8520), (340, 8589), (378, 8655), (383, 8673), (391, 8697), (394, 8703), (433, 8808), (460, 8850), (479, 8868), (483, 8877), (592, 9081), (596, 9087), (622, 9120), (711, 9285), (717, 9294), (722, 9300), (723, 9303), (766, 9378), (797, 9411), (806, 9426), (856, 9507), (972, 9660), (991, 9681), (993, 9684),

Gene: Aztec_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Aztec_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Azula_2 Start: 361, Stop: 1959, Start Num: 113
Candidate Starts for Azula_2:
(Start: 93 @334 has 51 MA's), (Start: 113 @361 has 34 MA's), (Start: 196 @475 has 2 MA's), (201, 484), (221, 517), (227, 535), (234, 550), (247, 571), (258, 592), (272, 646), (275, 655), (288, 691), (301, 727), (304, 739), (325, 781), (327, 784), (431, 1003), (441, 1018), (451, 1033), (454, 1036), (520, 1111), (542, 1162), (628, 1318), (646, 1339), (648, 1342), (689, 1429), (696, 1441), (714, 1474), (717, 1477), (741, 1516), (743, 1522), (745, 1525), (799, 1594), (801, 1597), (835, 1657), (836, 1660), (841, 1669), (892, 1738), (902, 1753), (1023, 1942),

Gene: AzulaCat_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for AzulaCat_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: B22_3 Start: 956, Stop: 2410, Start Num: 156
Candidate Starts for B22_3:
(Start: 156 @956 has 11 MA's), (158, 959), (Start: 210 @1058 has 1 MA's), (224, 1085), (235, 1112), (238, 1121), (251, 1163), (259, 1178), (269, 1220), (288, 1262), (309, 1322), (334, 1349), (390, 1460), (407, 1517), (412, 1535), (420, 1550), (428, 1562), (461, 1625), (561, 1760), (563, 1763), (565, 1769), (581, 1802), (676, 1952), (722, 2036), (723, 2039), (731, 2045), (782, 2126), (801, 2138), (819, 2165), (1005, 2396),

Gene: B3_3 Start: 1202, Stop: 2782, Start Num: 127
Candidate Starts for B3_3:

(Start: 118 @1193 has 4 MA's), (Start: 121 @1196 has 4 MA's), (Start: 127 @1202 has 74 MA's), (Start: 144 @1229 has 1 MA's), (168, 1262), (185, 1292), (Start: 196 @1310 has 2 MA's), (Start: 198 @1313 has 7 MA's), (204, 1328), (Start: 216 @1349 has 4 MA's), (217, 1352), (265, 1439), (269, 1451), (275, 1469), (284, 1499), (285, 1502), (304, 1574), (307, 1580), (322, 1616), (332, 1622), (348, 1655), (379, 1712), (393, 1754), (395, 1760), (417, 1841), (435, 1877), (436, 1880), (454, 1907), (459, 1916), (472, 1952), (552, 2096), (567, 2126), (579, 2153), (589, 2168), (595, 2180), (621, 2222), (652, 2264), (657, 2273), (668, 2297), (691, 2345), (696, 2351), (705, 2372), (706, 2375), (749, 2429), (768, 2459), (806, 2498), (820, 2522), (836, 2555), (870, 2573), (890, 2600), (896, 2606), (903, 2618), (937, 2666), (952, 2696), (1012, 2771),

Gene: BAjuniper_3 Start: 781, Stop: 2379, Start Num: 127
Candidate Starts for BAjuniper_3:
(Start: 127 @781 has 74 MA's), (Start: 144 @808 has 1 MA's), (Start: 189 @877 has 6 MA's), (Start: 196 @889 has 2 MA's), (222, 937), (258, 982), (275, 1045), (277, 1051), (309, 1129), (318, 1153), (335, 1174), (375, 1228), (394, 1279), (410, 1342), (436, 1402), (447, 1420), (471, 1471), (579, 1693), (651, 1795), (652, 1798), (668, 1831), (751, 1966), (940, 2260), (959, 2296), (1017, 2368), (1018, 2371),

Gene: BBQValindra_2 Start: 522, Stop: 2105, Start Num: 116
Candidate Starts for BBQValindra_2:
(91, 489), (97, 498), (Start: 99 @501 has 2 MA's), (Start: 116 @522 has 12 MA's), (Start: 191 @624 has 1 MA's), (288, 840), (304, 888), (336, 948), (356, 960), (393, 1050), (431, 1155), (520, 1299), (589, 1446), (628, 1506), (667, 1578), (714, 1665), (762, 1743), (769, 1755), (799, 1785), (811, 1803), (850, 1872), (862, 1887), (869, 1899), (878, 1911),

Gene: BEEST_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for BEEST_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: BENtherdunthat_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for BENtherdunthat_3:
(132, 664), (Start: 154 @673 has 76 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (241, 853), (253, 886), (268, 937), (271, 946), (288, 982), (302, 1024), (310, 1045), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (445, 1330), (497, 1411), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (597, 1603), (640, 1657), (698, 1759), (714, 1786), (823, 1933), (829, 1945), (842, 1963), (925, 2041), (927, 2044), (930, 2047), (960, 2101), (969, 2113),

Gene: BFK20_ORF2 Start: 538, Stop: 2166, Start Num: 121
Candidate Starts for BFK20_ORF2:
(41, 427), (97, 508), (Start: 121 @538 has 4 MA's), (260, 763), (267, 796), (307, 901), (322, 937), (335, 949), (342, 964), (347, 976), (381, 1024), (385, 1042), (392, 1054), (397, 1072), (411, 1120), (436, 1180), (470, 1243), (476, 1270), (540, 1387), (551, 1417), (660, 1609), (809, 1831), (822, 1855), (885, 1927), (962, 2044), (1020, 2146), (1021, 2152),

Gene: BGlluviae_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for BGlluviae_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018),

(341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: BPs_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for BPs_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: BQuat_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for BQuat_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: BabeRuth_2 Start: 527, Stop: 2044, Start Num: 167
Candidate Starts for BabeRuth_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Babushka_2 Start: 372, Stop: 1994, Start Num: 96
Candidate Starts for Babushka_2:
(Start: 81 @351 has 7 MA's), (Start: 96 @372 has 8 MA's), (Start: 198 @513 has 7 MA's), (258, 606), (269, 651), (275, 669), (305, 747), (375, 852), (410, 966), (436, 1026), (449, 1047), (459, 1062), (481, 1122), (491, 1143), (523, 1206), (651, 1422), (657, 1434), (670, 1461), (688, 1500), (711, 1545), (747, 1584), (767, 1617), (793, 1662), (864, 1779), (903, 1833), (950, 1902), (952, 1908), (964, 1929), (1010, 1980), (1012, 1983),

Gene: BabyDaisy_4 Start: 944, Stop: 2572, Start Num: 127
Candidate Starts for BabyDaisy_4:
(Start: 127 @944 has 74 MA's), (222, 1100), (275, 1208), (295, 1253), (309, 1292), (334, 1334), (375, 1391), (394, 1442), (395, 1445), (410, 1505), (416, 1523), (430, 1553), (447, 1583), (697, 2054), (767, 2156), (925, 2405), (952, 2453), (968, 2477), (1010, 2522),

Gene: BabyYoda_3 Start: 958, Stop: 2583, Start Num: 127
Candidate Starts for BabyYoda_3:
(Start: 127 @958 has 74 MA's), (222, 1114), (261, 1168), (275, 1222), (280, 1237), (309, 1306), (335, 1351), (394, 1456), (395, 1459), (410, 1519), (416, 1537), (417, 1540), (430, 1567), (447, 1597), (523, 1759), (652, 1975), (688, 2050), (696, 2062), (925, 2416), (952, 2464),

Gene: Bachaco_3 Start: 938, Stop: 2503, Start Num: 127
Candidate Starts for Bachaco_3:
(Start: 127 @938 has 74 MA's), (222, 1094), (275, 1202), (305, 1280), (310, 1289), (321, 1316), (375, 1385), (394, 1436), (410, 1499), (447, 1577), (579, 1850), (668, 1988), (748, 2117), (749, 2120), (959, 2420), (982, 2450), (1018, 2495),

Gene: BackstagePass_2 Start: 474, Stop: 2078, Start Num: 99
Candidate Starts for BackstagePass_2:
(91, 462), (97, 471), (Start: 99 @474 has 2 MA's), (Start: 116 @495 has 12 MA's), (304, 861), (336, 921), (356, 933), (393, 1023), (431, 1128), (485, 1203), (520, 1272), (589, 1419), (628, 1479), (667, 1551), (714, 1638), (762, 1716), (769, 1728), (799, 1758), (811, 1776), (850, 1845), (869, 1872), (878, 1884),

Gene: BaghaKamala_8 Start: 1563, Stop: 2987, Start Num: 164
Candidate Starts for BaghaKamala_8:
(98, 1491), (Start: 156 @1551 has 11 MA's), (Start: 164 @1563 has 155 MA's), (Start: 223 @1674 has 16 MA's), (224, 1680), (255, 1758), (259, 1767), (271, 1815), (277, 1833), (304, 1902), (336, 1944), (341, 1950), (358, 1977), (360, 1980), (404, 2097), (407, 2106), (444, 2187), (537, 2301), (561, 2349), (566, 2361), (581, 2391), (594, 2415), (601, 2427), (606, 2442), (658, 2505), (660, 2511), (745, 2658), (767, 2691), (814, 2745), (952, 2922), (1012, 2976),

Gene: BaileyBlu_2 Start: 464, Stop: 1966, Start Num: 122
Candidate Starts for BaileyBlu_2:
(101, 437), (Start: 122 @464 has 2 MA's), (197, 569), (Start: 216 @599 has 4 MA's), (231, 635), (301, 806), (303, 812), (378, 929), (405, 1013), (408, 1025), (409, 1034), (433, 1091), (486, 1163), (525, 1250), (556, 1307), (603, 1385), (674, 1499), (679, 1508), (750, 1622), (818, 1688), (890, 1793), (1006, 1955),

Gene: Baine_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Baine_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (934, 2484), (955, 2523),

Gene: Ball_2 Start: 633, Stop: 2009, Start Num: 194
Candidate Starts for Ball_2:
(Start: 155 @570 has 19 MA's), (194, 633), (206, 657), (218, 681), (260, 765), (281, 834), (288, 846), (380, 1014), (388, 1041), (410, 1119), (422, 1140), (451, 1194), (552, 1344), (553, 1347), (566, 1374), (675, 1551), (711, 1629), (720, 1641), (813, 1767), (850, 1833), (862, 1848), (869, 1860), (926, 1938), (958, 2001),

Gene: Banquo_11 Start: 4530, Stop: 6218, Start Num: 50
Candidate Starts for Banquo_11:
(Start: 50 @4530 has 4 MA's), (Start: 106 @4608 has 126 MA's), (224, 4800), (269, 4881), (290, 4926), (295, 4944), (302, 4965), (314, 4995), (338, 5034), (375, 5103), (395, 5157), (419, 5241), (421, 5244), (423, 5247), (435, 5274), (436, 5277), (523, 5382), (579, 5499), (588, 5514), (642, 5607), (647, 5613), (658, 5637), (675, 5679), (682, 5694), (697, 5724), (703, 5736), (740, 5787), (749, 5799), (780, 5847), (787, 5856), (820, 5922), (848, 5976), (873, 6009), (954, 6126), (968, 6144), (976, 6156), (1015, 6204), (1019, 6210),

Gene: Baoshan_3 Start: 901, Stop: 2469, Start Num: 84
Candidate Starts for Baoshan_3:
(Start: 84 @901 has 63 MA's), (Start: 88 @907 has 18 MA's), (Start: 95 @916 has 6 MA's), (190, 1063), (245, 1165), (277, 1255), (321, 1360), (391, 1498), (394, 1504), (407, 1549), (442, 1624), (481, 1672), (503, 1726), (517, 1750), (529, 1771), (542, 1795), (546, 1801), (564, 1831), (566, 1837), (582, 1873), (642, 1930), (654, 1948), (660, 1963), (697, 2038), (698, 2041), (717, 2077), (723, 2086), (747, 2122), (799, 2188), (845, 2263), (857, 2281), (865, 2290), (995, 2437), (1012, 2461), (1014, 2464),

Gene: BarBear_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for BarBear_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Barco_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Barco_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Barebow_2 Start: 355, Stop: 1803, Start Num: 106
Candidate Starts for Barebow_2:
(33, 244), (89, 337), (Start: 106 @355 has 126 MA's), (147, 418), (183, 478), (257, 592), (272, 649), (275, 658), (283, 682), (396, 895), (407, 928), (408, 931), (416, 961), (516, 1078), (535, 1117), (705, 1426), (738, 1468), (749, 1489), (785, 1546), (789, 1555), (801, 1573), (812, 1588), (955, 1795),

Gene: Barkley26_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Barkley26_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: BarrelRoll_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for BarrelRoll_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: Bartholomew_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Bartholomew_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Basilisk_3 Start: 961, Stop: 2607, Start Num: 81
Candidate Starts for Basilisk_3:
(65, 937), (Start: 81 @961 has 7 MA's), (Start: 135 @1027 has 10 MA's), (Start: 198 @1123 has 7 MA's), (202, 1132), (261, 1225), (270, 1264), (275, 1279), (283, 1303), (334, 1405), (410, 1576), (415, 1588), (416, 1594), (436, 1636), (449, 1657), (474, 1717), (488, 1747), (491, 1756), (523, 1819), (581, 1936), (651, 2035), (657, 2047), (688, 2113), (697, 2128), (711, 2158), (747, 2197), (751, 2206), (759,

2215), (780, 2251), (810, 2305), (950, 2515), (976, 2557), (1012, 2596),

Gene: Bauer_4 Start: 1485, Stop: 2990, Start Num: 160
Candidate Starts for Bauer_4:
(Start: 160 @1485 has 3 MA's), (231, 1629), (261, 1680), (274, 1731), (339, 1869), (359, 1911), (370, 1929), (418, 2073), (426, 2085), (450, 2130), (455, 2136), (498, 2214), (514, 2235), (586, 2364), (659, 2466), (662, 2472), (671, 2493), (702, 2544), (760, 2631), (812, 2691), (840, 2739), (863, 2772), (956, 2904),

Gene: BaxterFox_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for BaxterFox_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (493, 1071), (566, 1179), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (714, 1458), (742, 1500), (745, 1506), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (911, 1743), (965, 1827), (992, 1857),

Gene: Bazzle_4 Start: 1010, Stop: 2578, Start Num: 84
Candidate Starts for Bazzle_4:
(Start: 84 @1010 has 63 MA's), (Start: 88 @1016 has 18 MA's), (190, 1172), (218, 1220), (225, 1238), (321, 1469), (391, 1607), (394, 1613), (442, 1733), (481, 1781), (517, 1859), (529, 1880), (542, 1904), (546, 1910), (564, 1940), (566, 1946), (578, 1973), (582, 1982), (660, 2072), (698, 2150), (717, 2186), (747, 2231), (799, 2297), (830, 2348), (845, 2372), (857, 2390), (865, 2399), (995, 2546), (1012, 2570), (1014, 2573),

Gene: Beakin_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Beakin_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Bedetta_4 Start: 1013, Stop: 2494, Start Num: 198
Candidate Starts for Bedetta_4:
(Start: 81 @848 has 7 MA's), (Start: 198 @1013 has 7 MA's), (217, 1052), (257, 1103), (261, 1115), (269, 1151), (275, 1169), (375, 1352), (410, 1466), (415, 1478), (436, 1526), (449, 1547), (459, 1562), (481, 1619), (657, 1934), (688, 2000), (696, 2012), (711, 2045), (747, 2084), (751, 2093), (754, 2096), (793, 2162), (810, 2192), (833, 2237), (864, 2279), (884, 2306), (885, 2309), (950, 2402), (952, 2408), (964, 2429), (973, 2441), (1010, 2480), (1012, 2483),

Gene: Beenie_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for Beenie_3:
(Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (310, 1228), (372, 1318), (374, 1321), (404, 1414), (407, 1423), (410, 1438), (459, 1522), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (658, 1840), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: Beethoven_5 Start: 3076, Stop: 4641, Start Num: 75
Candidate Starts for Beethoven_5:

(Start: 75 @3076 has 75 MA's), (Start: 216 @3286 has 4 MA's), (257, 3340), (275, 3406), (283, 3430), (387, 3646), (393, 3661), (395, 3667), (410, 3727), (499, 3886), (519, 3916), (526, 3931), (572, 4012), (615, 4090), (623, 4099), (657, 4135), (676, 4174), (691, 4207), (697, 4216), (709, 4243), (754, 4297), (780, 4339), (820, 4384), (831, 4405), (843, 4429), (925, 4507), (1010, 4627),

Gene: Beezoo_8 Start: 1616, Stop: 3037, Start Num: 164
Candidate Starts for Beezoo_8:
(98, 1544), (Start: 156 @1604 has 11 MA's), (Start: 164 @1616 has 155 MA's), (Start: 223 @1727 has 16 MA's), (224, 1733), (255, 1811), (259, 1820), (271, 1868), (277, 1886), (304, 1955), (336, 1997), (341, 2003), (358, 2030), (360, 2033), (404, 2150), (407, 2159), (537, 2354), (561, 2402), (566, 2414), (581, 2444), (594, 2468), (601, 2480), (658, 2558), (660, 2564), (745, 2708), (767, 2741), (814, 2795), (952, 2972), (1012, 3026),

Gene: Begonia_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Begonia_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (325, 783), (335, 795), (357, 816), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (646, 1341), (655, 1359), (658, 1365), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911),

Gene: Bella96_8 Start: 1545, Stop: 2966, Start Num: 164
Candidate Starts for Bella96_8:
(98, 1473), (Start: 127 @1512 has 74 MA's), (Start: 156 @1533 has 11 MA's), (Start: 164 @1545 has 155 MA's), (Start: 223 @1656 has 16 MA's), (224, 1662), (255, 1740), (259, 1749), (271, 1797), (277, 1815), (304, 1884), (336, 1926), (341, 1932), (358, 1959), (404, 2079), (407, 2088), (444, 2169), (457, 2187), (537, 2283), (561, 2331), (566, 2343), (581, 2373), (594, 2397), (601, 2409), (658, 2487), (660, 2493), (745, 2637), (767, 2670), (814, 2724), (952, 2901), (1012, 2955),

Gene: Belladonna_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Belladonna_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Bellis_5 Start: 1186, Stop: 2751, Start Num: 84
Candidate Starts for Bellis_5:
(Start: 84 @1186 has 63 MA's), (Start: 88 @1192 has 18 MA's), (199, 1363), (257, 1468), (261, 1480), (317, 1636), (321, 1645), (322, 1648), (324, 1651), (372, 1726), (391, 1780), (393, 1783), (394, 1786), (509, 2017), (553, 2092), (564, 2113), (566, 2119), (608, 2188), (642, 2212), (654, 2230), (660, 2245), (717, 2359), (743, 2398), (747, 2404), (799, 2470), (856, 2560), (865, 2572), (909, 2611), (977, 2698), (1012, 2743), (1014, 2746),

Gene: BelmontSKP_4 Start: 1038, Stop: 2663, Start Num: 127
Candidate Starts for BelmontSKP_4:
(Start: 127 @1038 has 74 MA's), (Start: 144 @1065 has 1 MA's), (222, 1194), (261, 1248), (275, 1302), (280, 1317), (303, 1371), (309, 1386), (375, 1485), (394, 1536), (395, 1539), (410, 1599), (447, 1677), (688, 2130), (697, 2145), (925, 2496), (1026, 2652),

Gene: Belthelas_3 Start: 1125, Stop: 2585, Start Num: 106
Candidate Starts for Belthelas_3:
(Start: 106 @1125 has 126 MA's), (Start: 111 @1131 has 9 MA's), (217, 1293), (222, 1302), (258, 1362), (278, 1431), (290, 1452), (305, 1503), (409, 1707), (501, 1842), (540, 1920), (546, 1935), (567, 1971), (588, 2013), (605, 2046), (621, 2064), (692, 2184), (694, 2187), (699, 2199), (749, 2274), (788, 2337), (799, 2355), (801, 2358), (919, 2520), (928, 2529), (955, 2577),

Gene: Bengal_3 Start: 689, Stop: 2317, Start Num: 127
Candidate Starts for Bengal_3:
(Start: 127 @689 has 74 MA's), (222, 845), (275, 953), (309, 1037), (334, 1079), (375, 1136), (394, 1187), (395, 1190), (410, 1250), (416, 1268), (430, 1298), (447, 1328), (688, 1784), (697, 1799), (925, 2150), (952, 2198), (1026, 2306),

Gene: Bennie_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Bennie_2:
(Start: 75 @426 has 75 MA's), (Start: 216 @636 has 4 MA's), (259, 696), (267, 732), (275, 756), (277, 762), (283, 780), (362, 942), (375, 963), (410, 1077), (436, 1137), (472, 1203), (499, 1236), (519, 1266), (526, 1281), (572, 1362), (615, 1440), (623, 1449), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (831, 1755), (925, 1857),

Gene: Berka_4 Start: 780, Stop: 2345, Start Num: 54
Candidate Starts for Berka_4:
(Start: 54 @780 has 1 MA's), (67, 798), (97, 840), (132, 885), (147, 909), (Start: 156 @921 has 11 MA's), (Start: 198 @987 has 7 MA's), (202, 996), (220, 1032), (259, 1083), (267, 1119), (283, 1167), (303, 1212), (304, 1218), (305, 1221), (408, 1428), (413, 1446), (414, 1449), (482, 1566), (566, 1701), (574, 1719), (622, 1797), (658, 1836), (663, 1848), (674, 1875), (676, 1881), (697, 1923), (721, 1965), (729, 1974), (837, 2133), (896, 2205), (916, 2235), (944, 2268), (945, 2271), (977, 2322),

Gene: Bern_9 Start: 1583, Stop: 3004, Start Num: 164
Candidate Starts for Bern_9:
(98, 1511), (Start: 156 @1571 has 11 MA's), (Start: 164 @1583 has 155 MA's), (Start: 223 @1694 has 16 MA's), (224, 1700), (255, 1778), (259, 1787), (271, 1835), (277, 1853), (304, 1922), (336, 1964), (341, 1970), (358, 1997), (360, 2000), (404, 2117), (407, 2126), (444, 2207), (537, 2321), (561, 2369), (566, 2381), (581, 2411), (594, 2435), (601, 2447), (660, 2531), (745, 2675), (767, 2708), (814, 2762), (952, 2939), (1012, 2993),

Gene: Bernstein_2 Start: 653, Stop: 2215, Start Num: 127
Candidate Starts for Bernstein_2:
(Start: 127 @653 has 74 MA's), (Start: 196 @761 has 2 MA's), (222, 809), (275, 917), (277, 923), (280, 932), (282, 938), (283, 941), (324, 1037), (375, 1100), (410, 1214), (436, 1274), (447, 1292), (558, 1520), (579, 1565), (668, 1703), (890, 2030), (1015, 2204), (1018, 2207),

Gene: BetterKatz_6 Start: 2231, Stop: 3661, Start Num: 219
Candidate Starts for BetterKatz_6:
(123, 2063), (126, 2066), (Start: 127 @2069 has 74 MA's), (Start: 131 @2075 has 3 MA's), (Start: 219 @2231 has 15 MA's), (226, 2249), (275, 2372), (283, 2390), (299, 2429), (302, 2438), (357, 2522), (394, 2606), (399, 2621), (408, 2654), (409, 2663), (440, 2720), (489, 2789), (514, 2852), (606, 3041), (618, 3053), (654, 3101), (672, 3143), (699, 3194), (743, 3269), (745, 3272), (762, 3299), (811, 3359), (830, 3392), (836, 3407), (862, 3443), (892, 3485), (913, 3512), (939, 3548), (942, 3554), (966, 3593),

Gene: Bhagsy_2 Start: 401, Stop: 2077, Start Num: 40
Candidate Starts for Bhagsy_2:

(Start: 40 @401 has 46 MA's), (192, 617), (213, 656), (244, 713), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (309, 887), (314, 899), (365, 989), (440, 1178), (520, 1274), (535, 1304), (542, 1325), (616, 1466), (629, 1478), (658, 1523), (741, 1676), (745, 1685), (762, 1712), (799, 1754), (811, 1772), (862, 1856), (871, 1871), (1012, 2060),

Gene: Bibble12_4 Start: 1013, Stop: 2494, Start Num: 198
Candidate Starts for Bibble12_4:
(Start: 81 @848 has 7 MA's), (Start: 198 @1013 has 7 MA's), (217, 1052), (257, 1103), (261, 1115), (269, 1151), (275, 1169), (375, 1352), (410, 1466), (415, 1478), (436, 1526), (449, 1547), (459, 1562), (481, 1619), (657, 1934), (688, 2000), (711, 2045), (747, 2084), (754, 2096), (793, 2162), (810, 2192), (833, 2237), (864, 2279), (950, 2402), (952, 2408), (964, 2429), (973, 2441), (1010, 2480), (1012, 2483),

Gene: BigBoyz_1 Start: 31, Stop: 1653, Start Num: 97
Candidate Starts for BigBoyz_1:
(97, 31), (195, 169), (226, 238), (229, 247), (255, 280), (270, 334), (271, 337), (283, 373), (292, 385), (314, 451), (383, 565), (401, 622), (407, 640), (414, 664), (470, 766), (500, 811), (511, 829), (528, 865), (566, 946), (597, 1009), (660, 1090), (688, 1150), (712, 1192), (764, 1264), (770, 1276), (785, 1297), (832, 1360), (840, 1375), (868, 1414), (898, 1447), (900, 1450), (901, 1453),

Gene: BigCheese_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for BigCheese_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: BigMack_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for BigMack_2:
(Start: 75 @426 has 75 MA's), (Start: 216 @636 has 4 MA's), (257, 690), (275, 756), (283, 780), (362, 942), (410, 1077), (438, 1140), (499, 1236), (519, 1266), (572, 1362), (615, 1440), (623, 1449), (657, 1485), (691, 1557), (754, 1647), (780, 1689), (831, 1755), (925, 1857),

Gene: BigNuz_2 Start: 392, Stop: 2065, Start Num: 40
Candidate Starts for BigNuz_2:
(8, 179), (15, 275), (Start: 40 @392 has 46 MA's), (Start: 107 @485 has 1 MA's), (119, 503), (192, 608), (213, 647), (268, 773), (275, 794), (277, 800), (279, 803), (301, 857), (314, 890), (365, 980), (440, 1169), (520, 1265), (542, 1316), (616, 1457), (629, 1469), (658, 1514), (741, 1667), (745, 1676), (762, 1703), (771, 1718), (799, 1745), (811, 1763), (831, 1799), (871, 1862), (926, 1934), (1012, 2048),

Gene: BigPhil_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for BigPhil_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Biglebops_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for Biglebops_4:

(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341, 1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: BinkBonk_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for BinkBonk_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Bintii_3 Start: 1104, Stop: 2564, Start Num: 106
Candidate Starts for Bintii_3:
(Start: 106 @1104 has 126 MA's), (Start: 111 @1110 has 9 MA's), (217, 1272), (222, 1281), (258, 1341), (278, 1410), (290, 1431), (305, 1482), (409, 1686), (501, 1821), (540, 1899), (546, 1914), (557, 1932), (567, 1950), (588, 1992), (605, 2025), (621, 2043), (692, 2163), (694, 2166), (699, 2178), (705, 2190), (711, 2202), (749, 2253), (785, 2310), (788, 2316), (791, 2325), (799, 2334), (801, 2337), (919, 2499), (928, 2508), (934, 2517), (955, 2556),

Gene: Bipper_9 Start: 4723, Stop: 6342, Start Num: 68
Candidate Starts for Bipper_9:
(Start: 68 @4723 has 4 MA's), (150, 4831), (Start: 216 @4942 has 4 MA's), (288, 5119), (290, 5122), (310, 5182), (346, 5248), (347, 5251), (387, 5311), (389, 5317), (435, 5449), (436, 5452), (454, 5479), (535, 5581), (566, 5650), (570, 5662), (589, 5698), (593, 5707), (601, 5722), (603, 5728), (651, 5785), (660, 5803), (676, 5836), (685, 5860), (697, 5878), (740, 5947), (779, 6016), (781, 6019), (801, 6061), (846, 6139), (894, 6169), (924, 6211), (949, 6253), (957, 6268),

Gene: Biscayne_3 Start: 1101, Stop: 2561, Start Num: 106
Candidate Starts for Biscayne_3:
(Start: 106 @1101 has 126 MA's), (Start: 111 @1107 has 9 MA's), (217, 1269), (258, 1338), (278, 1407), (290, 1428), (305, 1479), (409, 1683), (557, 1929), (567, 1947), (588, 1989), (605, 2022), (621, 2040), (692, 2160), (694, 2163), (699, 2175), (705, 2187), (749, 2250), (785, 2307), (788, 2313), (791, 2322), (799, 2331), (801, 2334), (917, 2493), (919, 2496), (928, 2505),

Gene: Bjanes7_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Bjanes7_2:
(Start: 93 @318 has 51 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: BlackSpider_2 Start: 495, Stop: 2000, Start Num: 160
Candidate Starts for BlackSpider_2:
(Start: 160 @495 has 3 MA's), (225, 624), (231, 639), (274, 741), (339, 879), (359, 921), (370, 939), (418, 1083), (426, 1095), (450, 1140), (455, 1146), (498, 1224), (514, 1245), (586, 1374), (659, 1476), (662, 1482), (702, 1554), (812, 1701), (840, 1749), (842, 1752), (863, 1782), (897, 1830),

Gene: Blair_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Blair_4:

(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (220, 974), (257, 1025), (261, 1037), (267, 1067), (271, 1079), (276, 1094), (303, 1160), (324, 1205), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (415, 1391), (417, 1400), (456, 1466), (505, 1529), (513, 1541), (540, 1583), (549, 1601), (583, 1661), (615, 1718), (636, 1730), (651, 1754), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (780, 1979), (836, 2054), (841, 2063), (861, 2090), (914, 2147), (948, 2201), (999, 2273),

Gene: Blarby_4 Start: 1188, Stop: 2708, Start Num: 154
Candidate Starts for Blarby_4:
(Start: 131 @1176 has 3 MA's), (Start: 154 @1188 has 76 MA's), (Start: 223 @1314 has 16 MA's), (225, 1323), (241, 1368), (251, 1398), (253, 1401), (257, 1407), (268, 1452), (276, 1476), (288, 1497), (302, 1539), (310, 1560), (333, 1587), (342, 1605), (344, 1608), (358, 1632), (374, 1659), (394, 1716), (404, 1752), (407, 1761), (409, 1773), (412, 1779), (420, 1794), (428, 1806), (441, 1839), (445, 1845), (467, 1881), (479, 1890), (496, 1920), (511, 1950), (513, 1953), (563, 2049), (566, 2058), (579, 2085), (633, 2169), (651, 2184), (709, 2295), (714, 2304), (722, 2313), (766, 2376), (823, 2451), (829, 2463), (842, 2481), (888, 2517), (925, 2559), (930, 2565), (952, 2607), (960, 2619), (969, 2631), (1023, 2697),

Gene: Blessica_31 Start: 13473, Stop: 14984, Start Num: 88
Candidate Starts for Blessica_31:
(Start: 86 @13470 has 18 MA's), (Start: 88 @13473 has 18 MA's), (Start: 210 @13653 has 1 MA's), (245, 13746), (270, 13821), (283, 13854), (295, 13881), (304, 13911), (391, 14064), (394, 14070), (404, 14106), (407, 14115), (444, 14196), (450, 14205), (452, 14208), (495, 14247), (534, 14304), (550, 14340), (553, 14343), (656, 14499), (660, 14508), (692, 14577), (697, 14586), (703, 14592), (722, 14625), (745, 14661), (814, 14748), (825, 14769), (888, 14832), (891, 14835), (894, 14838), (905, 14856), (925, 14877), (952, 14919), (985, 14955), (1005, 14967),

Gene: BlingBling_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for BlingBling_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (390, 891), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Blino_2 Start: 361, Stop: 1959, Start Num: 113
Candidate Starts for Blino_2:
(Start: 93 @334 has 51 MA's), (109, 355), (Start: 113 @361 has 34 MA's), (Start: 196 @475 has 2 MA's), (201, 484), (221, 517), (227, 535), (234, 550), (247, 571), (258, 592), (275, 655), (288, 691), (301, 727), (304, 739), (317, 769), (325, 781), (327, 784), (431, 1003), (441, 1018), (451, 1033), (454, 1036), (520, 1111), (542, 1162), (628, 1318), (646, 1339), (648, 1342), (689, 1429), (696, 1441), (714, 1474), (717, 1477), (741, 1516), (745, 1525), (799, 1594), (801, 1597), (835, 1657), (836, 1660), (841, 1669), (892, 1738), (1023, 1942),

Gene: Blizzard_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Blizzard_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: BlueFeather_1 Start: 75, Stop: 1616, Start Num: 84
Candidate Starts for BlueFeather_1:
(Start: 84 @75 has 63 MA's), (Start: 127 @129 has 74 MA's), (Start: 198 @237 has 7 MA's), (200, 240), (220, 282), (269, 396), (272, 405), (283, 438), (289, 441), (303, 483), (304, 489), (308, 501), (312, 513), (393, 663), (408, 714), (414, 735), (443, 798), (524, 897), (536, 906), (580, 1002), (680, 1158), (696, 1188), (697, 1191), (743, 1260), (767, 1299), (809, 1353), (813, 1359), (831, 1386), (886, 1461), (930, 1515), (933, 1521), (940, 1533), (945, 1539), (952, 1557),

Gene: Blueberry_2 Start: 361, Stop: 1959, Start Num: 113
Candidate Starts for Blueberry_2:
(Start: 93 @334 has 51 MA's), (Start: 113 @361 has 34 MA's), (Start: 196 @475 has 2 MA's), (201, 484), (221, 517), (227, 535), (234, 550), (247, 571), (258, 592), (272, 646), (275, 655), (288, 691), (301, 727), (304, 739), (325, 781), (327, 784), (431, 1003), (441, 1018), (451, 1033), (454, 1036), (520, 1111), (542, 1162), (628, 1318), (646, 1339), (648, 1342), (689, 1429), (696, 1441), (714, 1474), (717, 1477), (741, 1516), (743, 1522), (745, 1525), (799, 1594), (801, 1597), (835, 1657), (836, 1660), (841, 1669), (892, 1738), (902, 1753), (1023, 1942),

Gene: Bobby_11 Start: 3839, Stop: 5371, Start Num: 152
Candidate Starts for Bobby_11:
(Start: 122 @3797 has 2 MA's), (128, 3806), (Start: 152 @3839 has 34 MA's), (224, 3953), (246, 4016), (260, 4049), (272, 4097), (302, 4172), (317, 4208), (371, 4283), (373, 4286), (386, 4322), (398, 4355), (534, 4604), (566, 4667), (578, 4694), (674, 4853), (692, 4889), (705, 4910), (709, 4919), (714, 4928), (752, 4982), (769, 5006), (844, 5087), (952, 5240), (959, 5252),

Gene: Bobi_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Bobi_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Bobquesha_9 Start: 2502, Stop: 3842, Start Num: 223
Candidate Starts for Bobquesha_9:
(Start: 164 @2397 has 155 MA's), (Start: 223 @2502 has 16 MA's), (245, 2571), (255, 2586), (259, 2595), (270, 2640), (271, 2643), (274, 2652), (276, 2658), (281, 2667), (286, 2679), (288, 2685), (304, 2736), (313, 2754), (341, 2784), (391, 2889), (404, 2931), (407, 2940), (408, 2943), (444, 3021), (450, 3030), (537, 3135), (558, 3177), (561, 3183), (581, 3225), (660, 3342), (678, 3384), (697, 3429), (743, 3498), (771, 3543), (797, 3564), (814, 3588), (888, 3672), (952, 3765), (1012, 3831), (1015, 3837),

Gene: BobsGarage_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for BobsGarage_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Bock_6 Start: 1981, Stop: 3411, Start Num: 219
Candidate Starts for Bock_6:

(123, 1813), (126, 1816), (Start: 127 @1819 has 74 MA's), (Start: 131 @1825 has 3 MA's), (Start: 219 @1981 has 15 MA's), (226, 1999), (275, 2122), (283, 2140), (299, 2179), (302, 2188), (357, 2272), (394, 2356), (399, 2371), (408, 2404), (440, 2470), (489, 2539), (514, 2602), (543, 2668), (606, 2791), (618, 2803), (654, 2851), (672, 2893), (699, 2944), (743, 3019), (745, 3022), (762, 3049), (811, 3109), (830, 3142), (836, 3157), (862, 3193), (892, 3235), (913, 3262), (939, 3298), (942, 3304), (966, 3343),

Gene: Bodacious_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Bodacious_2:
(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (260, 699), (267, 732), (272, 747), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: Bodhi17_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Bodhi17_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (417, 1677), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (955, 2523),

Gene: Bogie_2 Start: 401, Stop: 2077, Start Num: 40
Candidate Starts for Bogie_2:
(Start: 40 @401 has 46 MA's), (192, 617), (213, 656), (244, 713), (247, 719), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (309, 887), (314, 899), (365, 989), (440, 1178), (520, 1274), (542, 1325), (629, 1478), (741, 1676), (745, 1685), (762, 1712), (799, 1754), (811, 1772), (862, 1856), (871, 1871), (1012, 2060),

Gene: Boiiii_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Boiiii_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Boilgate_5 Start: 1550, Stop: 2998, Start Num: 164
Candidate Starts for Boilgate_5:
(105, 1493), (129, 1523), (Start: 164 @1550 has 155 MA's), (Start: 223 @1655 has 16 MA's), (245, 1724), (255, 1739), (259, 1748), (270, 1793), (271, 1796), (274, 1805), (276, 1811), (281, 1820), (286, 1832), (288, 1838), (304, 1889), (313, 1907), (341, 1937), (345, 1943), (390, 2036), (391, 2042), (400, 2069), (407, 2093), (408, 2096), (444, 2174), (450, 2183), (452, 2186), (496, 2231), (530, 2276), (537, 2288), (558, 2330), (561, 2336), (566, 2348), (581, 2378), (601, 2414), (606, 2429), (660, 2495), (678, 2537), (743, 2654), (782, 2714), (814, 2744), (842, 2792), (888, 2828), (952, 2921), (957, 2927), (1012, 2987),

Gene: BonaeVitae_3 Start: 778, Stop: 2235, Start Num: 106
Candidate Starts for BonaeVitae_3:
(Start: 106 @778 has 126 MA's), (217, 943), (278, 1081), (290, 1102), (301, 1138), (305, 1153), (391, 1294), (409, 1357), (417, 1381), (567, 1621), (588, 1663), (605, 1696), (621, 1714), (692, 1834), (699, 1849), (720, 1885), (749, 1924), (788, 1987), (801, 2008), (919, 2170), (934, 2188),

Gene: Bongo_14 Start: 4719, Stop: 6263, Start Num: 112

Candidate Starts for Bongo_14:
(Start: 112 @4719 has 27 MA's), (143, 4767), (258, 4968), (304, 5106), (403, 5298), (517, 5508), (546, 5559), (582, 5631), (658, 5694), (667, 5718), (675, 5733), (705, 5793), (711, 5805), (743, 5865), (766, 5898), (797, 5931), (814, 5958), (841, 6006), (977, 6192), (995, 6213),

Gene: BoomRoasted_3 Start: 1125, Stop: 2585, Start Num: 106
Candidate Starts for BoomRoasted_3:
(Start: 106 @1125 has 126 MA's), (Start: 111 @1131 has 9 MA's), (217, 1293), (222, 1302), (258, 1362), (278, 1431), (290, 1452), (305, 1503), (409, 1707), (501, 1842), (540, 1920), (546, 1935), (567, 1971), (588, 2013), (605, 2046), (621, 2064), (692, 2184), (694, 2187), (699, 2199), (749, 2274), (788, 2337), (799, 2355), (801, 2358), (919, 2520), (928, 2529), (934, 2538), (955, 2577),

Gene: Boomer_3 Start: 797, Stop: 2158, Start Num: 223
Candidate Starts for Boomer_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: BoostSeason_4 Start: 652, Stop: 2073, Start Num: 164
Candidate Starts for BoostSeason_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (201, 712), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (336, 1024), (341, 1030), (358, 1057), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (452, 1279), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (602, 1510), (660, 1588), (680, 1630), (697, 1660), (743, 1729), (751, 1744), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (952, 1996), (1012, 2062),

Gene: Bora_28 Start: 12903, Stop: 14414, Start Num: 88
Candidate Starts for Bora_28:
(Start: 86 @12900 has 18 MA's), (Start: 88 @12903 has 18 MA's), (Start: 210 @13083 has 1 MA's), (245, 13176), (270, 13251), (283, 13284), (295, 13311), (304, 13341), (391, 13494), (394, 13500), (404, 13536), (407, 13545), (444, 13626), (450, 13635), (452, 13638), (495, 13677), (534, 13734), (550, 13770), (553, 13773), (656, 13929), (660, 13938), (692, 14007), (697, 14016), (703, 14022), (722, 14055), (745, 14091), (814, 14178), (825, 14199), (888, 14262), (891, 14265), (894, 14268), (905, 14286), (925, 14307), (952, 14349), (982, 14382), (985, 14385), (1005, 14397),

Gene: Bosection6_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Bosection6_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: BotCity_3 Start: 671, Stop: 2188, Start Num: 154
Candidate Starts for BotCity_3:
(132, 662), (Start: 154 @671 has 76 MA's), (218, 788), (Start: 223 @797 has 16 MA's), (225, 806), (241, 851), (246, 869), (253, 884), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (313, 1049), (333, 1070), (342, 1088), (344, 1091), (345, 1094), (358, 1115), (374, 1142), (394,

1199), (400, 1220), (409, 1256), (412, 1262), (420, 1277), (428, 1289), (445, 1328), (497, 1409), (520, 1451), (563, 1532), (566, 1541), (579, 1568), (617, 1634), (640, 1655), (698, 1757), (714, 1784), (823, 1931), (829, 1943), (842, 1961), (925, 2039), (927, 2042), (930, 2045), (960, 2099), (969, 2111),

Gene: BourbonZero_4 Start: 1191, Stop: 2756, Start Num: 84
Candidate Starts for BourbonZero_4:
(Start: 50 @1140 has 4 MA's), (57, 1149), (Start: 84 @1191 has 63 MA's), (Start: 88 @1197 has 18 MA's), (199, 1368), (218, 1401), (257, 1473), (259, 1479), (261, 1485), (317, 1641), (321, 1650), (322, 1653), (324, 1656), (372, 1731), (391, 1785), (393, 1788), (394, 1791), (503, 2013), (509, 2022), (553, 2097), (564, 2118), (566, 2124), (578, 2151), (608, 2193), (642, 2217), (654, 2235), (658, 2244), (660, 2250), (717, 2364), (743, 2403), (747, 2409), (799, 2475), (833, 2529), (856, 2565), (865, 2577), (909, 2616), (977, 2703), (1012, 2748), (1014, 2751),

Gene: Bowser_2 Start: 522, Stop: 2105, Start Num: 116
Candidate Starts for Bowser_2:
(91, 489), (97, 498), (Start: 116 @522 has 12 MA's), (Start: 191 @624 has 1 MA's), (288, 840), (304, 888), (323, 930), (336, 948), (356, 960), (393, 1050), (431, 1155), (520, 1299), (542, 1350), (628, 1506), (658, 1554), (667, 1578), (714, 1665), (769, 1755), (799, 1785), (811, 1803), (850, 1872), (862, 1887), (869, 1899), (878, 1911), (931, 1980),

Gene: Bradley2_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Bradley2_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (188, 1188), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Brahms_2 Start: 593, Stop: 2155, Start Num: 127
Candidate Starts for Brahms_2:
(Start: 127 @593 has 74 MA's), (Start: 196 @701 has 2 MA's), (222, 749), (275, 857), (277, 863), (280, 872), (282, 878), (283, 881), (324, 977), (375, 1040), (410, 1154), (436, 1214), (447, 1232), (558, 1460), (579, 1505), (668, 1643), (890, 1970), (1015, 2144), (1018, 2147),

Gene: BrainDrainer_4 Start: 771, Stop: 2333, Start Num: 84
Candidate Starts for BrainDrainer_4:
(Start: 84 @771 has 63 MA's), (Start: 88 @777 has 18 MA's), (190, 927), (225, 993), (242, 1023), (257, 1047), (262, 1062), (272, 1104), (324, 1230), (394, 1368), (400, 1389), (407, 1413), (442, 1488), (481, 1536), (517, 1614), (529, 1635), (542, 1659), (546, 1665), (564, 1695), (566, 1701), (582, 1737), (660, 1827), (711, 1932), (717, 1941), (735, 1965), (747, 1986), (799, 2052), (865, 2154), (972, 2274), (977, 2280), (995, 2301), (1012, 2325),

Gene: Bran_2 Start: 373, Stop: 1959, Start Num: 118
Candidate Starts for Bran_2:
(Start: 118 @373 has 4 MA's), (Start: 121 @376 has 4 MA's), (Start: 127 @382 has 74 MA's), (168, 442), (225, 553), (257, 631), (260, 640), (322, 814), (389, 916), (393, 925), (395, 931), (396, 940), (414, 1000), (435, 1048), (436, 1051), (502, 1114), (546, 1207), (678, 1429), (686, 1447), (735, 1534), (757, 1570), (766, 1585), (783, 1612), (786, 1615), (792, 1630), (795, 1636), (809, 1663), (819, 1678), (845, 1726), (891, 1774), (943, 1849), (990, 1924), (1011, 1948),

Gene: BrayBeast_2 Start: 311, Stop: 1759, Start Num: 156
Candidate Starts for BrayBeast_2:
(56, 170), (Start: 59 @173 has 1 MA's), (Start: 66 @185 has 1 MA's), (117, 257), (Start: 156 @311 has 11 MA's), (Start: 189 @371 has 6 MA's), (201, 392), (Start: 210 @413 has 1 MA's), (226, 446), (240,

482), (257, 527), (258, 530), (266, 566), (271, 581), (283, 611), (295, 638), (341, 716), (407, 872), (408, 875), (461, 980), (556, 1106), (561, 1115), (655, 1256), (658, 1262), (660, 1268), (689, 1328), (692, 1334), (714, 1373), (735, 1400), (741, 1409), (799, 1487), (814, 1505), (858, 1562), (957, 1682), (971, 1703), (1012, 1748),

Gene: Breezona_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Breezona_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Bri160_3 Start: 1125, Stop: 2585, Start Num: 106
Candidate Starts for Bri160_3:
(Start: 106 @1125 has 126 MA's), (Start: 111 @1131 has 9 MA's), (217, 1293), (222, 1302), (258, 1362), (278, 1431), (290, 1452), (305, 1503), (409, 1707), (501, 1842), (540, 1920), (546, 1935), (567, 1971), (588, 2013), (605, 2046), (621, 2064), (692, 2184), (694, 2187), (699, 2199), (749, 2274), (788, 2337), (799, 2355), (801, 2358), (919, 2520), (928, 2529), (934, 2538), (955, 2577),

Gene: Bricole_14 Start: 4718, Stop: 6262, Start Num: 112
Candidate Starts for Bricole_14:
(Start: 112 @4718 has 27 MA's), (143, 4766), (224, 4907), (258, 4967), (304, 5105), (403, 5297), (517, 5507), (546, 5558), (582, 5630), (658, 5693), (667, 5717), (675, 5732), (705, 5792), (711, 5804), (743, 5864), (766, 5897), (797, 5930), (814, 5957), (841, 6005), (977, 6191), (995, 6212),

Gene: BrokMonster_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for BrokMonster_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (934, 2484), (955, 2523),

Gene: Bromden_4 Start: 815, Stop: 2377, Start Num: 84
Candidate Starts for Bromden_4:
(Start: 84 @815 has 63 MA's), (Start: 88 @821 has 18 MA's), (190, 971), (218, 1019), (225, 1037), (245, 1073), (272, 1148), (321, 1268), (324, 1274), (391, 1406), (394, 1412), (400, 1433), (442, 1532), (481, 1580), (517, 1658), (529, 1679), (542, 1703), (546, 1709), (564, 1739), (566, 1745), (578, 1772), (582, 1781), (642, 1838), (658, 1865), (660, 1871), (692, 1937), (711, 1976), (717, 1985), (735, 2009), (747, 2030), (799, 2096), (801, 2099), (972, 2318), (977, 2324), (995, 2345), (1012, 2369),

Gene: Brookers_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Brookers_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: BrotherBLo_5 Start: 3292, Stop: 4647, Start Num: 216
Candidate Starts for BrotherBLo_5:

(Start: 75 @3082 has 75 MA's), (Start: 216 @3292 has 4 MA's), (257, 3346), (272, 3403), (275, 3412), (387, 3652), (393, 3667), (395, 3673), (410, 3733), (436, 3793), (499, 3892), (519, 3922), (526, 3937), (572, 4018), (615, 4096), (623, 4105), (657, 4141), (676, 4180), (691, 4213), (697, 4222), (709, 4249), (754, 4303), (780, 4345), (820, 4390), (831, 4411), (843, 4435), (925, 4513), (1010, 4633),

Gene: BruceB_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for BruceB_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: BruceLethal_2 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for BruceLethal_2:
(Start: 153 @373 has 47 MA's), (171, 397), (186, 430), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (372, 847), (378, 856), (394, 904), (400, 925), (407, 949), (409, 961), (444, 1036), (446, 1039), (540, 1174), (556, 1201), (566, 1222), (605, 1288), (641, 1330), (648, 1339), (654, 1351), (673, 1393), (696, 1435), (704, 1447), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (818, 1597), (827, 1615), (830, 1621), (860, 1663), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (948, 1786), (951, 1792), (956, 1801), (959, 1807), (977, 1828), (1010, 1870), (1014, 1876),

Gene: Brusacoram_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for Brusacoram_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: Brushbloom_3 Start: 670, Stop: 2157, Start Num: 154
Candidate Starts for Brushbloom_3:
(Start: 131 @658 has 3 MA's), (Start: 154 @670 has 76 MA's), (Start: 223 @796 has 16 MA's), (224, 802), (251, 880), (253, 883), (257, 889), (259, 895), (268, 934), (276, 958), (288, 979), (290, 982), (302, 1021), (310, 1042), (333, 1069), (342, 1087), (344, 1090), (374, 1141), (394, 1198), (400, 1219), (407, 1243), (409, 1255), (420, 1276), (428, 1288), (441, 1321), (445, 1327), (495, 1396), (496, 1402), (513, 1435), (532, 1471), (563, 1531), (566, 1540), (579, 1567), (629, 1645), (684, 1741), (714, 1786), (766, 1858), (800, 1897), (823, 1933), (826, 1939), (842, 1963), (882, 1993), (888, 1999), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101),

Gene: Bryler_7 Start: 1509, Stop: 2936, Start Num: 164
Candidate Starts for Bryler_7:
(Start: 164 @1509 has 155 MA's), (Start: 210 @1599 has 1 MA's), (Start: 223 @1623 has 16 MA's), (224, 1629), (255, 1707), (259, 1716), (271, 1764), (277, 1782), (304, 1851), (335, 1890), (341, 1899), (358, 1926), (391, 2004), (404, 2046), (407, 2055), (444, 2136), (494, 2184), (537, 2250), (558, 2292), (561, 2298), (566, 2310), (570, 2316), (581, 2340), (594, 2364), (597, 2370), (606, 2391), (660, 2460), (680, 2502), (741, 2595), (743, 2601), (745, 2604), (767, 2637), (797, 2667), (814, 2691), (842, 2739), (952, 2868), (1012, 2925), (1015, 2931),

Gene: Brylie_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for Brylie_6:

(123, 1810), (126, 1813), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (299, 2176), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (514, 2599), (606, 2788), (618, 2800), (654, 2848), (672, 2890), (699, 2941), (743, 3016), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: Brynnie_3 Start: 689, Stop: 2335, Start Num: 81
Candidate Starts for Brynnie_3:
(Start: 81 @689 has 7 MA's), (Start: 135 @755 has 10 MA's), (Start: 198 @851 has 7 MA's), (202, 860), (261, 953), (270, 992), (275, 1007), (283, 1031), (334, 1133), (387, 1223), (410, 1304), (415, 1316), (416, 1322), (436, 1364), (449, 1385), (474, 1445), (488, 1475), (491, 1484), (523, 1547), (581, 1664), (651, 1763), (657, 1775), (688, 1841), (697, 1856), (711, 1886), (747, 1925), (751, 1934), (759, 1943), (780, 1979), (810, 2033), (950, 2243), (976, 2285), (1012, 2324),

Gene: BubbaBear_3 Start: 677, Stop: 2305, Start Num: 127
Candidate Starts for BubbaBear_3:
(Start: 127 @677 has 74 MA's), (222, 833), (275, 941), (309, 1025), (318, 1049), (334, 1067), (375, 1124), (394, 1175), (395, 1178), (410, 1238), (416, 1256), (430, 1286), (447, 1316), (688, 1772), (697, 1787), (925, 2138), (952, 2186), (1026, 2294),

Gene: Budski_3 Start: 671, Stop: 2188, Start Num: 154
Candidate Starts for Budski_3:
(132, 662), (Start: 154 @671 has 76 MA's), (218, 788), (Start: 223 @797 has 16 MA's), (225, 806), (241, 851), (246, 869), (253, 884), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (313, 1049), (333, 1070), (342, 1088), (344, 1091), (345, 1094), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (409, 1256), (412, 1262), (420, 1277), (428, 1289), (445, 1328), (497, 1409), (520, 1451), (563, 1532), (566, 1541), (579, 1568), (617, 1634), (640, 1655), (698, 1757), (714, 1784), (823, 1931), (829, 1943), (842, 1961), (925, 2039), (927, 2042), (930, 2045), (952, 2087), (960, 2099), (969, 2111),

Gene: Buldak_3 Start: 997, Stop: 2574, Start Num: 127
Candidate Starts for Buldak_3:
(Start: 127 @997 has 74 MA's), (222, 1153), (261, 1207), (275, 1261), (295, 1306), (375, 1444), (394, 1495), (410, 1558), (435, 1615), (447, 1636), (458, 1651), (488, 1723), (595, 1936), (605, 1960), (651, 2011), (652, 2014), (657, 2023), (668, 2047), (843, 2317), (890, 2389), (950, 2476), (959, 2494), (1018, 2566),

Gene: Bullzi2019_3 Start: 1095, Stop: 2555, Start Num: 106
Candidate Starts for Bullzi2019_3:
(Start: 106 @1095 has 126 MA's), (Start: 111 @1101 has 9 MA's), (217, 1263), (222, 1272), (258, 1332), (278, 1401), (290, 1422), (305, 1473), (409, 1677), (501, 1812), (540, 1890), (546, 1905), (557, 1923), (567, 1941), (588, 1983), (605, 2016), (621, 2034), (692, 2154), (694, 2157), (699, 2169), (705, 2181), (711, 2193), (749, 2244), (785, 2301), (788, 2307), (791, 2316), (799, 2325), (801, 2328), (919, 2490), (928, 2499), (934, 2508), (955, 2547),

Gene: Bunker_2 Start: 522, Stop: 2105, Start Num: 116
Candidate Starts for Bunker_2:
(91, 489), (97, 498), (Start: 99 @501 has 2 MA's), (Start: 116 @522 has 12 MA's), (304, 888), (336, 948), (356, 960), (393, 1050), (431, 1155), (520, 1299), (589, 1446), (628, 1506), (667, 1578), (714, 1665), (762, 1743), (769, 1755), (799, 1785), (811, 1803), (850, 1872), (862, 1887), (869, 1899), (878, 1911),

Gene: Bunnies_2 Start: 413, Stop: 2089, Start Num: 40

Candidate Starts for Bunnies_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (616, 1478), (629, 1490), (658, 1535), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Burgy_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Burgy_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Burritobowl_3 Start: 687, Stop: 2315, Start Num: 127
Candidate Starts for Burritobowl_3:
(Start: 127 @687 has 74 MA's), (222, 843), (275, 951), (309, 1035), (334, 1077), (375, 1134), (394, 1185), (395, 1188), (410, 1248), (416, 1266), (430, 1296), (447, 1326), (688, 1782), (697, 1797), (925, 2148), (952, 2196), (1026, 2304),

Gene: BurtonThePup_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for BurtonThePup_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Butters_2 Start: 498, Stop: 2030, Start Num: 155
Candidate Starts for Butters_2:
(Start: 152 @495 has 34 MA's), (Start: 155 @498 has 19 MA's), (Start: 167 @513 has 2 MA's), (197, 570), (209, 588), (Start: 216 @600 has 4 MA's), (250, 672), (266, 720), (269, 729), (295, 792), (322, 864), (351, 912), (393, 1011), (408, 1062), (442, 1134), (452, 1149), (462, 1167), (520, 1275), (534, 1299), (566, 1362), (617, 1446), (658, 1503), (664, 1518), (692, 1575), (701, 1593), (715, 1620), (752, 1689), (801, 1746), (816, 1755), (836, 1776), (857, 1809), (884, 1845), (897, 1860), (952, 1941), (956, 1947),

Gene: BuzzLyseyear_3 Start: 670, Stop: 2157, Start Num: 154
Candidate Starts for BuzzLyseyear_3:
(Start: 131 @658 has 3 MA's), (Start: 154 @670 has 76 MA's), (Start: 223 @796 has 16 MA's), (224, 802), (240, 844), (241, 850), (253, 883), (257, 889), (259, 895), (268, 934), (276, 958), (287, 976), (288, 979), (302, 1021), (310, 1042), (333, 1069), (337, 1078), (342, 1087), (344, 1090), (374, 1141), (394, 1198), (400, 1219), (407, 1243), (409, 1255), (420, 1276), (428, 1288), (441, 1321), (445, 1327), (495, 1396), (496, 1402), (513, 1435), (532, 1471), (563, 1531), (566, 1540), (579, 1567), (629, 1645), (684, 1741), (714, 1786), (766, 1858), (800, 1897), (823, 1933), (826, 1939), (842, 1963), (882, 1993), (888, 1999), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: CGermain_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for CGermain_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: CLED96_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for CLED96_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: CREW_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for CREW_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: CabbageMan_2 Start: 437, Stop: 1996, Start Num: 42
Candidate Starts for CabbageMan_2:
(34, 419), (Start: 42 @437 has 3 MA's), (124, 533), (128, 536), (146, 563), (Start: 198 @644 has 7 MA's), (202, 653), (Start: 216 @680 has 4 MA's), (257, 734), (259, 740), (270, 785), (300, 860), (301, 863), (303, 869), (304, 875), (305, 878), (314, 896), (334, 929), (391, 1031), (414, 1106), (425, 1130), (480, 1220), (482, 1223), (505, 1250), (509, 1253), (522, 1277), (525, 1286), (556, 1337), (566, 1358), (583, 1394), (603, 1430), (622, 1454), (663, 1505), (667, 1520), (674, 1532), (697, 1577), (703, 1589), (804, 1730), (835, 1781), (837, 1787), (948, 1934), (952, 1943), (958, 1952),

Gene: CactusJack_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for CactusJack_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (658, 1522), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: Cain_7 Start: 1509, Stop: 2936, Start Num: 164
Candidate Starts for Cain_7:
(Start: 164 @1509 has 155 MA's), (Start: 210 @1599 has 1 MA's), (Start: 223 @1623 has 16 MA's), (224, 1629), (255, 1707), (259, 1716), (271, 1764), (277, 1782), (304, 1851), (335, 1890), (341, 1899), (358, 1926), (391, 2004), (404, 2046), (407, 2055), (444, 2136), (494, 2184), (537, 2250), (558, 2292), (561, 2298), (566, 2310), (570, 2316), (581, 2340), (594, 2364), (597, 2370), (606, 2391), (660, 2460), (680, 2502), (741, 2595), (743, 2601), (745, 2604), (767, 2637), (797, 2667), (814, 2691), (842, 2739), (952, 2868), (1012, 2925), (1015, 2931),

Gene: CallaLilly_8 Start: 1563, Stop: 2984, Start Num: 164
Candidate Starts for CallaLilly_8:
(98, 1491), (Start: 156 @1551 has 11 MA's), (Start: 164 @1563 has 155 MA's), (Start: 223 @1674 has 16 MA's), (224, 1680), (255, 1758), (259, 1767), (271, 1815), (277, 1833), (304, 1902), (336, 1944), (341, 1950), (358, 1977), (360, 1980), (404, 2097), (407, 2106), (444, 2187), (537, 2301), (561, 2349), (566, 2361), (581, 2391), (594, 2415), (601, 2427), (606, 2442), (658, 2505), (660, 2511), (745, 2655), (767, 2688), (814, 2742), (952, 2919), (1012, 2973),

Gene: CallieOMalley_5 Start: 3069, Stop: 4637, Start Num: 75
Candidate Starts for CallieOMalley_5:
(Start: 75 @3069 has 75 MA's), (202, 3255), (217, 3285), (257, 3336), (261, 3348), (272, 3393), (283, 3426), (334, 3528), (375, 3609), (393, 3657), (410, 3723), (430, 3771), (435, 3780), (473, 3855), (499,

3882), (519, 3912), (538, 3951), (657, 4131), (691, 4203), (709, 4239), (780, 4335), (831, 4401), (869, 4431), (873, 4437), (925, 4503), (1010, 4623),

Gene: CallinAllBarbz_2 Start: 466, Stop: 1968, Start Num: 122
Candidate Starts for CallinAllBarbz_2:
(Start: 122 @466 has 2 MA's), (Start: 141 @490 has 2 MA's), (197, 571), (Start: 216 @601 has 4 MA's), (301, 808), (303, 814), (378, 931), (405, 1015), (408, 1027), (409, 1036), (433, 1093), (486, 1165), (525, 1252), (556, 1309), (674, 1501), (679, 1510), (750, 1624), (818, 1690), (890, 1795), (919, 1837), (1006, 1957),

Gene: Calm_4 Start: 1058, Stop: 2635, Start Num: 88
Candidate Starts for Calm_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: Camara_2 Start: 371, Stop: 1993, Start Num: 96
Candidate Starts for Camara_2:
(Start: 81 @350 has 7 MA's), (Start: 96 @371 has 8 MA's), (257, 602), (258, 605), (261, 614), (269, 650), (275, 668), (305, 746), (375, 851), (410, 965), (419, 989), (436, 1025), (449, 1046), (459, 1061), (481, 1121), (523, 1205), (651, 1421), (657, 1433), (670, 1460), (688, 1499), (691, 1505), (711, 1544), (737, 1571), (747, 1583), (767, 1616), (776, 1628), (793, 1661), (903, 1832), (950, 1901), (952, 1907), (964, 1928), (982, 1949), (1010, 1979), (1012, 1982), (1014, 1985),

Gene: Cambiare_3 Start: 925, Stop: 2397, Start Num: 173
Candidate Starts for Cambiare_3:
(77, 826), (Start: 87 @841 has 20 MA's), (Start: 173 @925 has 42 MA's), (Start: 178 @940 has 1 MA's), (258, 1114), (271, 1165), (288, 1201), (309, 1261), (394, 1426), (404, 1462), (409, 1483), (426, 1513), (444, 1552), (561, 1714), (594, 1777), (602, 1792), (630, 1837), (632, 1840), (660, 1888), (670, 1912), (714, 1987), (745, 2038), (766, 2068), (767, 2071), (771, 2080), (782, 2095), (797, 2101), (799, 2107), (825, 2146), (877, 2197), (888, 2212), (950, 2299), (952, 2305), (1012, 2386), (1015, 2392),

Gene: Camri_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for Camri_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Camster_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Camster_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Canowicakte_5 Start: 3104, Stop: 4672, Start Num: 75
Candidate Starts for Canowicakte_5:

(Start: 75 @3104 has 75 MA's), (202, 3290), (217, 3320), (257, 3371), (261, 3383), (267, 3413), (272, 3428), (283, 3461), (334, 3563), (375, 3644), (393, 3692), (410, 3758), (430, 3806), (435, 3815), (438, 3821), (473, 3890), (499, 3917), (519, 3947), (538, 3986), (657, 4166), (691, 4238), (709, 4274), (780, 4370), (831, 4436), (869, 4466), (873, 4472), (925, 4538), (1010, 4658),

Gene: Capricorn_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Capricorn_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: CaptainKirk2_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for CaptainKirk2_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Carcharodon_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Carcharodon_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: CarolAnn_2 Start: 333, Stop: 1958, Start Num: 93
Candidate Starts for CarolAnn_2:
(Start: 93 @333 has 51 MA's), (109, 354), (Start: 113 @360 has 34 MA's), (Start: 196 @474 has 2 MA's), (201, 483), (221, 516), (227, 534), (234, 549), (247, 570), (258, 591), (275, 654), (288, 690), (301, 726), (304, 738), (317, 768), (325, 780), (327, 783), (431, 1002), (441, 1017), (451, 1032), (454, 1035), (520, 1110), (542, 1161), (628, 1317), (646, 1338), (648, 1341), (689, 1428), (696, 1440), (714, 1473), (717, 1476), (741, 1515), (745, 1524), (799, 1593), (801, 1596), (835, 1656), (836, 1659), (841, 1668), (892, 1737), (1023, 1941),

Gene: Carpal_5 Start: 3082, Stop: 4647, Start Num: 75
Candidate Starts for Carpal_5:
(Start: 75 @3082 has 75 MA's), (Start: 216 @3292 has 4 MA's), (257, 3346), (272, 3403), (275, 3412), (387, 3652), (393, 3667), (395, 3673), (410, 3733), (436, 3793), (499, 3892), (519, 3922), (526, 3937), (572, 4018), (615, 4096), (623, 4105), (657, 4141), (676, 4180), (691, 4213), (697, 4222), (709, 4249), (754, 4303), (780, 4345), (820, 4390), (831, 4411), (843, 4435), (925, 4513), (1010, 4633),

Gene: CaseJules_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for CaseJules_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423),

(566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Cashington_3 Start: 677, Stop: 2305, Start Num: 127
Candidate Starts for Cashington_3:
(Start: 127 @677 has 74 MA's), (222, 833), (275, 941), (295, 986), (301, 1004), (309, 1025), (318, 1049), (334, 1067), (375, 1124), (394, 1175), (395, 1178), (396, 1187), (410, 1238), (416, 1256), (430, 1286), (447, 1316), (688, 1772), (697, 1787), (925, 2138), (952, 2186), (1026, 2294),

Gene: CassieYates_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for CassieYates_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Catdawg_30 Start: 13079, Stop: 14590, Start Num: 88
Candidate Starts for Catdawg_30:
(Start: 86 @13076 has 18 MA's), (Start: 88 @13079 has 18 MA's), (Start: 210 @13259 has 1 MA's), (245, 13352), (270, 13427), (283, 13460), (295, 13487), (304, 13517), (391, 13670), (394, 13676), (404, 13712), (407, 13721), (444, 13802), (450, 13811), (452, 13814), (495, 13853), (534, 13910), (550, 13946), (553, 13949), (656, 14105), (660, 14114), (692, 14183), (697, 14192), (703, 14198), (722, 14231), (745, 14267), (814, 14354), (825, 14375), (888, 14438), (891, 14441), (894, 14444), (905, 14462), (925, 14483), (952, 14525), (985, 14561), (1005, 14573),

Gene: Catfish_6 Start: 2518, Stop: 4161, Start Num: 66
Candidate Starts for Catfish_6:
(Start: 66 @2518 has 1 MA's), (272, 2854), (290, 2890), (295, 2908), (375, 3046), (389, 3085), (395, 3100), (419, 3184), (421, 3187), (423, 3190), (436, 3220), (572, 3424), (681, 3634), (690, 3655), (697, 3667), (717, 3706), (749, 3742), (754, 3748), (848, 3919), (873, 3952), (925, 4018), (952, 4066), (1019, 4153),

Gene: Cayde6_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Cayde6_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (934, 2484), (955, 2523),

Gene: Cazares_3 Start: 1068, Stop: 2522, Start Num: 111
Candidate Starts for Cazares_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (501, 1779), (540, 1857), (546, 1872), (557, 1890), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (705, 2148), (711, 2160), (749, 2211), (785, 2268), (788, 2274), (791, 2283), (799, 2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: Cedasite_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Cedasite_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591,

1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Celaena_3 Start: 875, Stop: 2440, Start Num: 127
Candidate Starts for Celaena_3:
(Start: 127 @875 has 74 MA's), (222, 1031), (275, 1139), (305, 1217), (310, 1226), (321, 1253), (375, 1322), (394, 1373), (410, 1436), (447, 1514), (579, 1787), (748, 2054), (749, 2057), (959, 2357), (982, 2387), (1018, 2432),

Gene: Cerasum_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Cerasum_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Chance64_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Chance64_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Chancellor_9 Start: 2478, Stop: 3920, Start Num: 164
Candidate Starts for Chancellor_9:
(Start: 164 @2478 has 155 MA's), (Start: 223 @2583 has 16 MA's), (255, 2667), (259, 2676), (267, 2712), (271, 2724), (276, 2739), (288, 2766), (304, 2817), (313, 2835), (341, 2865), (358, 2892), (391, 2970), (407, 3021), (408, 3024), (444, 3102), (450, 3111), (494, 3150), (537, 3216), (561, 3264), (581, 3306), (660, 3423), (678, 3465), (697, 3510), (743, 3579), (771, 3624), (797, 3645), (814, 3669), (952, 3846), (1012, 3909), (1015, 3915),

Gene: Charbie_3 Start: 1062, Stop: 2522, Start Num: 106
Candidate Starts for Charbie_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (540, 1857), (546, 1872), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (749, 2211), (788, 2274), (799, 2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: Charlie_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Charlie_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Chaser_4 Start: 816, Stop: 2378, Start Num: 84
Candidate Starts for Chaser_4:

(Start: 84 @816 has 63 MA's), (Start: 88 @822 has 18 MA's), (190, 972), (225, 1038), (242, 1068), (257, 1092), (261, 1104), (272, 1149), (324, 1275), (394, 1413), (407, 1458), (442, 1533), (481, 1581), (517, 1659), (529, 1680), (542, 1704), (546, 1710), (564, 1740), (566, 1746), (582, 1782), (642, 1839), (660, 1872), (711, 1977), (717, 1986), (735, 2010), (747, 2031), (799, 2097), (865, 2199), (972, 2319), (977, 2325), (995, 2346), (1012, 2370),

Gene: Chatham_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Chatham_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Chavito_8 Start: 1661, Stop: 3091, Start Num: 164
Candidate Starts for Chavito_8:
(Start: 121 @1619 has 4 MA's), (Start: 164 @1661 has 155 MA's), (Start: 210 @1751 has 1 MA's), (Start: 223 @1775 has 16 MA's), (224, 1781), (239, 1820), (255, 1859), (259, 1868), (261, 1874), (271, 1916), (277, 1934), (288, 1952), (304, 2003), (341, 2051), (358, 2078), (404, 2198), (407, 2207), (444, 2288), (494, 2336), (537, 2402), (561, 2450), (566, 2462), (581, 2492), (594, 2516), (606, 2543), (660, 2612), (680, 2654), (711, 2708), (741, 2747), (745, 2756), (797, 2819), (814, 2843), (891, 2933), (952, 3023), (957, 3029), (988, 3062), (1012, 3080), (1015, 3086),

Gene: Che9c_2 Start: 500, Stop: 2047, Start Num: 160
Candidate Starts for Che9c_2:
(Start: 151 @488 has 1 MA's), (Start: 160 @500 has 3 MA's), (197, 566), (209, 584), (258, 677), (275, 740), (295, 785), (305, 818), (340, 881), (354, 914), (372, 950), (386, 989), (393, 1004), (404, 1043), (408, 1055), (413, 1073), (422, 1088), (442, 1127), (466, 1166), (520, 1268), (534, 1292), (631, 1454), (658, 1496), (675, 1535), (715, 1610), (730, 1640), (816, 1754), (868, 1844), (897, 1880), (906, 1895), (947, 1961), (952, 1970), (956, 1976), (967, 1988), (974, 1997), (1000, 2024),

Gene: Che9d_3 Start: 673, Stop: 2193, Start Num: 154
Candidate Starts for Che9d_3:
(Start: 131 @661 has 3 MA's), (Start: 154 @673 has 76 MA's), (Start: 223 @799 has 16 MA's), (225, 808), (241, 853), (251, 883), (253, 886), (257, 892), (268, 937), (276, 961), (333, 1072), (342, 1090), (344, 1093), (358, 1117), (394, 1201), (404, 1237), (407, 1246), (409, 1258), (412, 1264), (420, 1279), (428, 1291), (439, 1318), (441, 1324), (445, 1330), (467, 1366), (479, 1375), (496, 1405), (511, 1435), (513, 1438), (563, 1534), (566, 1543), (579, 1570), (633, 1654), (651, 1669), (709, 1780), (714, 1789), (722, 1798), (766, 1861), (823, 1936), (829, 1948), (842, 1966), (888, 2002), (925, 2044), (930, 2050), (952, 2092), (960, 2104), (969, 2116), (1023, 2182),

Gene: CheeseDanish_4 Start: 607, Stop: 2163, Start Num: 42
Candidate Starts for CheeseDanish_4:
(Start: 42 @607 has 3 MA's), (52, 619), (91, 658), (124, 700), (128, 703), (146, 730), (Start: 198 @811 has 7 MA's), (202, 820), (Start: 216 @847 has 4 MA's), (257, 901), (259, 907), (270, 952), (300, 1027), (301, 1030), (303, 1036), (304, 1042), (305, 1045), (314, 1063), (414, 1273), (480, 1387), (482, 1390), (505, 1417), (509, 1420), (522, 1444), (525, 1453), (556, 1504), (566, 1525), (603, 1597), (622, 1621), (663, 1672), (667, 1687), (674, 1699), (697, 1744), (703, 1756), (835, 1948), (837, 1954), (948, 2101), (952, 2110), (958, 2119),

Gene: CheeseTouch_3 Start: 671, Stop: 2188, Start Num: 154
Candidate Starts for CheeseTouch_3:
(132, 662), (Start: 154 @671 has 76 MA's), (218, 788), (Start: 223 @797 has 16 MA's), (225, 806), (241, 851), (246, 869), (253, 884), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302,

1022), (313, 1049), (333, 1070), (342, 1088), (344, 1091), (345, 1094), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (409, 1256), (412, 1262), (420, 1277), (428, 1289), (445, 1328), (497, 1409), (520, 1451), (563, 1532), (566, 1541), (579, 1568), (617, 1634), (640, 1655), (698, 1757), (714, 1784), (823, 1931), (829, 1943), (842, 1961), (925, 2039), (927, 2042), (930, 2045), (952, 2087), (960, 2099), (969, 2111),

Gene: Cheesecake_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Cheesecake_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: CheetoDust_8 Start: 1613, Stop: 3034, Start Num: 164
Candidate Starts for CheetoDust_8:
(98, 1541), (Start: 156 @1601 has 11 MA's), (Start: 164 @1613 has 155 MA's), (Start: 223 @1724 has 16 MA's), (224, 1730), (255, 1808), (259, 1817), (271, 1865), (277, 1883), (304, 1952), (336, 1994), (341, 2000), (358, 2027), (360, 2030), (404, 2147), (407, 2156), (444, 2237), (537, 2351), (561, 2399), (566, 2411), (581, 2441), (594, 2465), (601, 2477), (658, 2555), (660, 2561), (745, 2705), (767, 2738), (814, 2792), (952, 2969), (1012, 3023),

Gene: Cheetobro_9 Start: 2478, Stop: 3920, Start Num: 164
Candidate Starts for Cheetobro_9:
(Start: 164 @2478 has 155 MA's), (Start: 223 @2583 has 16 MA's), (255, 2667), (259, 2676), (267, 2712), (271, 2724), (276, 2739), (288, 2766), (304, 2817), (313, 2835), (341, 2865), (358, 2892), (391, 2970), (407, 3021), (408, 3024), (444, 3102), (450, 3111), (494, 3150), (537, 3216), (561, 3264), (581, 3306), (660, 3423), (678, 3465), (697, 3510), (743, 3579), (771, 3624), (797, 3645), (814, 3669), (952, 3846), (1012, 3909), (1015, 3915),

Gene: Cherrybomb426_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Cherrybomb426_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Chestnut_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Chestnut_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: ChewChew_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for ChewChew_2:
(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (267, 732), (272, 747), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: Chewbacca_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Chewbacca_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Chickaboom_2 Start: 410, Stop: 1990, Start Num: 135
Candidate Starts for Chickaboom_2:
(65, 320), (Start: 81 @344 has 7 MA's), (Start: 135 @410 has 10 MA's), (Start: 198 @506 has 7 MA's), (202, 515), (261, 608), (270, 647), (275, 662), (410, 959), (415, 971), (416, 977), (436, 1019), (449, 1040), (474, 1100), (488, 1130), (491, 1139), (523, 1202), (651, 1418), (657, 1430), (688, 1496), (697, 1511), (711, 1541), (747, 1580), (751, 1589), (759, 1598), (810, 1688), (950, 1898), (1012, 1979),

Gene: ChickenDinner_3 Start: 674, Stop: 2161, Start Num: 154
Candidate Starts for ChickenDinner_3:
(Start: 131 @662 has 3 MA's), (Start: 154 @674 has 76 MA's), (Start: 223 @800 has 16 MA's), (224, 806), (240, 848), (241, 854), (253, 887), (257, 893), (259, 899), (268, 938), (276, 962), (287, 980), (288, 983), (302, 1025), (333, 1073), (337, 1082), (342, 1091), (344, 1094), (374, 1145), (400, 1223), (407, 1247), (409, 1259), (420, 1280), (428, 1292), (441, 1325), (445, 1331), (495, 1400), (496, 1406), (513, 1439), (532, 1475), (563, 1535), (566, 1544), (579, 1571), (629, 1649), (684, 1745), (714, 1790), (766, 1862), (800, 1901), (823, 1937), (826, 1943), (842, 1967), (882, 1997), (888, 2003), (925, 2045), (927, 2048), (930, 2051), (952, 2093), (960, 2105), (969, 2117),

Gene: ChiliPepper_3 Start: 944, Stop: 2563, Start Num: 127
Candidate Starts for ChiliPepper_3:
(1, 410), (Start: 120 @938 has 2 MA's), (Start: 127 @944 has 74 MA's), (222, 1100), (269, 1190), (275, 1208), (280, 1223), (309, 1292), (317, 1313), (318, 1316), (334, 1334), (375, 1391), (394, 1442), (395, 1445), (410, 1505), (417, 1526), (430, 1553), (447, 1583), (618, 1922), (696, 2045), (896, 2360), (925, 2399), (1010, 2516),

Gene: Cholula_5 Start: 3127, Stop: 4692, Start Num: 75
Candidate Starts for Cholula_5:
(Start: 75 @3127 has 75 MA's), (Start: 216 @3337 has 4 MA's), (257, 3391), (275, 3457), (283, 3481), (387, 3697), (393, 3712), (395, 3718), (410, 3778), (436, 3838), (499, 3937), (519, 3967), (526, 3982), (572, 4063), (615, 4141), (623, 4150), (657, 4186), (676, 4225), (691, 4258), (697, 4267), (709, 4294), (754, 4348), (780, 4390), (820, 4435), (831, 4456), (925, 4558), (1010, 4678),

Gene: Chop_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for Chop_6:
(123, 1810), (126, 1813), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (299, 2176), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (514, 2599), (606, 2788), (654, 2848), (672, 2890), (699, 2941), (743, 3016), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: Chridison_2 Start: 429, Stop: 1994, Start Num: 75
Candidate Starts for Chridison_2:
(Start: 75 @429 has 75 MA's), (Start: 196 @600 has 2 MA's), (257, 693), (272, 750), (275, 759), (283, 783), (305, 837), (375, 966), (393, 1014), (410, 1080), (436, 1140), (456, 1170), (519, 1269), (526, 1284), (623, 1452), (676, 1527), (691, 1560), (749, 1644), (780, 1692), (807, 1716), (884, 1806), (925,

1860), (973, 1941), (1010, 1980),

Gene: Chris_7 Start: 1525, Stop: 2949, Start Num: 164
Candidate Starts for Chris_7:
(Start: 164 @1525 has 155 MA's), (201, 1591), (Start: 210 @1612 has 1 MA's), (Start: 223 @1636 has 16 MA's), (239, 1681), (255, 1720), (259, 1729), (271, 1777), (277, 1795), (288, 1813), (304, 1864), (358, 1939), (391, 2017), (404, 2059), (407, 2068), (444, 2149), (537, 2263), (558, 2305), (561, 2311), (566, 2323), (581, 2353), (606, 2404), (660, 2473), (680, 2515), (745, 2617), (766, 2647), (767, 2650), (799, 2686), (814, 2704), (831, 2737), (957, 2887), (1012, 2938),

Gene: Christian_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Christian_2:
(Start: 75 @426 has 75 MA's), (168, 549), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (267, 732), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (806, 1710), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: CicholasNage_4 Start: 1059, Stop: 2636, Start Num: 88
Candidate Starts for CicholasNage_4:
(Start: 84 @1053 has 63 MA's), (Start: 88 @1059 has 18 MA's), (199, 1230), (245, 1317), (257, 1335), (259, 1341), (267, 1377), (322, 1515), (324, 1518), (372, 1593), (391, 1647), (393, 1650), (394, 1653), (481, 1821), (503, 1875), (509, 1884), (517, 1899), (529, 1920), (553, 1959), (564, 1980), (566, 1986), (578, 2013), (608, 2055), (642, 2079), (654, 2097), (658, 2106), (660, 2112), (675, 2145), (692, 2178), (711, 2217), (714, 2223), (717, 2226), (747, 2271), (799, 2337), (830, 2388), (839, 2403), (845, 2412), (856, 2427), (857, 2430), (952, 2532), (972, 2559), (1012, 2610), (1014, 2613),

Gene: Ciel_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Ciel_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Clap_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Clap_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Clark_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for Clark_3:
(Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (310, 1228), (372, 1318), (374, 1321), (404, 1414), (407, 1423), (410, 1438), (459, 1522), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (658, 1840), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: Claus_4 Start: 1081, Stop: 2649, Start Num: 84
Candidate Starts for Claus_4:

(Start: 84 @1081 has 63 MA's), (Start: 88 @1087 has 18 MA's), (Start: 95 @1096 has 6 MA's), (101, 1105), (190, 1243), (245, 1345), (277, 1435), (321, 1540), (391, 1678), (394, 1684), (400, 1705), (407, 1729), (442, 1804), (481, 1852), (503, 1906), (517, 1930), (529, 1951), (542, 1975), (546, 1981), (564, 2011), (566, 2017), (582, 2053), (642, 2110), (654, 2128), (660, 2143), (698, 2221), (717, 2257), (723, 2266), (747, 2302), (799, 2368), (801, 2371), (845, 2443), (857, 2461), (865, 2470), (995, 2617), (1012, 2641), (1014, 2644),

Gene: Clautastrophe_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for Clautastrophe_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: Clayda5_2 Start: 593, Stop: 2155, Start Num: 127
Candidate Starts for Clayda5_2:
(Start: 127 @593 has 74 MA's), (Start: 196 @701 has 2 MA's), (222, 749), (275, 857), (277, 863), (280, 872), (282, 878), (283, 881), (324, 977), (375, 1040), (410, 1154), (436, 1214), (447, 1232), (558, 1460), (579, 1505), (668, 1643), (890, 1970), (1015, 2144), (1018, 2147),

Gene: CliffHanger_4 Start: 794, Stop: 2380, Start Num: 127
Candidate Starts for CliffHanger_4:
(Start: 127 @794 has 74 MA's), (185, 884), (202, 911), (222, 950), (275, 1058), (309, 1142), (335, 1187), (367, 1232), (394, 1292), (410, 1355), (447, 1433), (651, 1817), (660, 1835), (841, 2120), (885, 2189), (964, 2309), (1018, 2372),

Gene: Clipper_9 Start: 1613, Stop: 3034, Start Num: 164
Candidate Starts for Clipper_9:
(98, 1541), (Start: 156 @1601 has 11 MA's), (Start: 164 @1613 has 155 MA's), (Start: 223 @1724 has 16 MA's), (224, 1730), (255, 1808), (259, 1817), (271, 1865), (277, 1883), (304, 1952), (336, 1994), (341, 2000), (358, 2027), (360, 2030), (404, 2147), (407, 2156), (444, 2237), (537, 2351), (561, 2399), (566, 2411), (581, 2441), (594, 2465), (601, 2477), (658, 2555), (660, 2561), (745, 2705), (767, 2738), (814, 2792), (952, 2969), (1012, 3023),

Gene: Clownery_3 Start: 1179, Stop: 2639, Start Num: 106
Candidate Starts for Clownery_3:
(Start: 106 @1179 has 126 MA's), (Start: 111 @1185 has 9 MA's), (217, 1347), (222, 1356), (258, 1416), (278, 1485), (290, 1506), (305, 1557), (409, 1761), (501, 1896), (540, 1974), (546, 1989), (557, 2007), (567, 2025), (588, 2067), (605, 2100), (621, 2118), (692, 2238), (694, 2241), (699, 2253), (705, 2265), (711, 2277), (749, 2328), (785, 2385), (788, 2391), (791, 2400), (799, 2409), (801, 2412), (919, 2574), (928, 2583), (934, 2592), (955, 2631),

Gene: Coco12_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Coco12_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: CocoCinnamon_5 Start: 1285, Stop: 2880, Start Num: 110
Candidate Starts for CocoCinnamon_5:
(Start: 110 @1285 has 8 MA's), (Start: 112 @1288 has 27 MA's), (258, 1504), (267, 1543), (269, 1549), (275, 1567), (277, 1573), (314, 1663), (346, 1720), (393, 1798), (395, 1804), (410, 1864), (443, 1936), (449, 1945), (456, 1954), (515, 2056), (520, 2068), (563, 2152), (581, 2191), (657, 2296), (691, 2368), (709, 2404), (749, 2476), (767, 2503), (790, 2542), (818, 2590), (950, 2785), (952, 2791), (979, 2830), (1012, 2869), (1015, 2875),

Gene: Coeur_2 Start: 583, Stop: 1917, Start Num: 193
Candidate Starts for Coeur_2:
(Start: 148 @517 has 5 MA's), (Start: 193 @583 has 2 MA's), (Start: 207 @610 has 1 MA's), (258, 685), (261, 694), (266, 721), (267, 724), (271, 736), (277, 754), (302, 814), (304, 823), (305, 826), (408, 1027), (607, 1351), (656, 1399), (663, 1414), (672, 1438), (675, 1444), (678, 1453), (685, 1471), (744, 1561), (803, 1627), (831, 1672), (865, 1723), (903, 1768), (922, 1795), (959, 1858), (994, 1900),

Gene: Cole_4 Start: 1595, Stop: 3295, Start Num: 112
Candidate Starts for Cole_4:
(Start: 96 @1574 has 8 MA's), (Start: 112 @1595 has 27 MA's), (185, 1718), (Start: 198 @1739 has 7 MA's), (204, 1754), (222, 1787), (258, 1832), (259, 1835), (269, 1877), (272, 1886), (275, 1895), (276, 1898), (277, 1901), (290, 1922), (305, 1973), (335, 2024), (375, 2078), (395, 2132), (410, 2192), (436, 2252), (449, 2273), (540, 2504), (572, 2570), (579, 2585), (668, 2756), (691, 2804), (697, 2813), (720, 2855), (749, 2888), (776, 2927), (807, 2969), (884, 3059), (903, 3086), (905, 3089), (950, 3158), (1004, 3236), (1026, 3284),

Gene: Coleslaw_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Coleslaw_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Collard_6 Start: 1324, Stop: 2751, Start Num: 172
Candidate Starts for Collard_6:
(Start: 172 @1324 has 22 MA's), (201, 1381), (Start: 210 @1402 has 1 MA's), (Start: 223 @1426 has 16 MA's), (255, 1510), (259, 1519), (261, 1525), (271, 1567), (277, 1585), (288, 1603), (304, 1654), (311, 1669), (358, 1729), (391, 1807), (404, 1849), (407, 1858), (408, 1861), (444, 1939), (537, 2053), (561, 2101), (581, 2143), (594, 2167), (601, 2179), (617, 2206), (655, 2251), (660, 2263), (741, 2410), (766, 2449), (814, 2506), (827, 2530), (842, 2554), (877, 2578), (950, 2677), (952, 2683), (1012, 2740),

Gene: Coltrane_2 Start: 593, Stop: 2155, Start Num: 127
Candidate Starts for Coltrane_2:
(Start: 127 @593 has 74 MA's), (Start: 196 @701 has 2 MA's), (222, 749), (275, 857), (277, 863), (280, 872), (282, 878), (283, 881), (324, 977), (375, 1040), (410, 1154), (436, 1214), (447, 1232), (558, 1460), (579, 1505), (668, 1643), (890, 1970), (1015, 2144), (1018, 2147),

Gene: Colusalem_3 Start: 849, Stop: 2330, Start Num: 198
Candidate Starts for Colusalem_3:
(Start: 81 @684 has 7 MA's), (Start: 198 @849 has 7 MA's), (217, 888), (257, 939), (261, 951), (269, 987), (275, 1005), (375, 1188), (410, 1302), (415, 1314), (436, 1362), (449, 1383), (459, 1398), (481, 1455), (657, 1770), (688, 1836), (711, 1881), (747, 1920), (754, 1932), (767, 1953), (793, 1998), (810, 2028), (833, 2073), (864, 2115), (884, 2142), (885, 2145), (950, 2238), (952, 2244), (964, 2265), (973,

2277), (1010, 2316), (1012, 2319),

Gene: Concrete_3 Start: 1125, Stop: 2585, Start Num: 106
Candidate Starts for Concrete_3:
(Start: 106 @1125 has 126 MA's), (Start: 111 @1131 has 9 MA's), (217, 1293), (222, 1302), (258, 1362), (278, 1431), (290, 1452), (305, 1503), (409, 1707), (501, 1842), (540, 1920), (546, 1935), (567, 1971), (588, 2013), (605, 2046), (621, 2064), (692, 2184), (694, 2187), (699, 2199), (749, 2274), (788, 2337), (799, 2355), (801, 2358), (919, 2520), (928, 2529), (955, 2577),

Gene: Copper_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Copper_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Coral_3 Start: 684, Stop: 2330, Start Num: 81
Candidate Starts for Coral_3:
(Start: 81 @684 has 7 MA's), (Start: 198 @849 has 7 MA's), (217, 888), (257, 939), (261, 951), (269, 987), (275, 1005), (375, 1188), (410, 1302), (415, 1314), (416, 1320), (436, 1362), (449, 1383), (459, 1398), (481, 1455), (657, 1770), (688, 1836), (711, 1881), (747, 1920), (754, 1932), (767, 1953), (793, 1998), (810, 2028), (833, 2073), (864, 2115), (884, 2142), (885, 2145), (950, 2238), (952, 2244), (964, 2265), (973, 2277), (1010, 2316), (1012, 2319),

Gene: Corgi_4 Start: 607, Stop: 2163, Start Num: 42
Candidate Starts for Corgi_4:
(Start: 42 @607 has 3 MA's), (52, 619), (91, 658), (124, 700), (128, 703), (146, 730), (Start: 198 @811 has 7 MA's), (202, 820), (Start: 216 @847 has 4 MA's), (257, 901), (259, 907), (270, 952), (300, 1027), (301, 1030), (303, 1036), (304, 1042), (305, 1045), (314, 1063), (414, 1273), (480, 1387), (482, 1390), (505, 1417), (509, 1420), (522, 1444), (525, 1453), (556, 1504), (566, 1525), (603, 1597), (622, 1621), (663, 1672), (667, 1687), (674, 1699), (697, 1744), (703, 1756), (835, 1948), (837, 1954), (948, 2101), (952, 2110), (958, 2119),

Gene: Coriander_2 Start: 586, Stop: 2193, Start Num: 116
Candidate Starts for Coriander_2:
(Start: 116 @586 has 12 MA's), (233, 769), (277, 886), (288, 904), (304, 952), (356, 1024), (410, 1177), (431, 1219), (493, 1312), (516, 1354), (520, 1363), (542, 1414), (561, 1444), (563, 1447), (589, 1510), (605, 1543), (628, 1570), (667, 1648), (714, 1735), (729, 1759), (798, 1852), (799, 1855), (811, 1873), (862, 1957),

Gene: Corndog_32 Start: 13529, Stop: 15040, Start Num: 88
Candidate Starts for Corndog_32:
(Start: 86 @13526 has 18 MA's), (Start: 88 @13529 has 18 MA's), (Start: 210 @13709 has 1 MA's), (245, 13802), (270, 13877), (283, 13910), (295, 13937), (304, 13967), (391, 14120), (394, 14126), (404, 14162), (407, 14171), (444, 14252), (450, 14261), (452, 14264), (495, 14303), (534, 14360), (550, 14396), (553, 14399), (656, 14555), (660, 14564), (692, 14633), (697, 14642), (703, 14648), (722, 14681), (745, 14717), (814, 14804), (825, 14825), (888, 14888), (891, 14891), (894, 14894), (905, 14912), (925, 14933), (952, 14975), (985, 15011), (1005, 15023),

Gene: Cornucopia_3 Start: 672, Stop: 2159, Start Num: 154
Candidate Starts for Cornucopia_3:

(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (224, 804), (240, 846), (251, 882), (253, 885), (257, 891), (259, 897), (268, 936), (271, 945), (288, 981), (302, 1023), (333, 1071), (342, 1089), (344, 1092), (374, 1143), (394, 1200), (400, 1221), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (441, 1323), (445, 1329), (495, 1398), (496, 1404), (513, 1437), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (684, 1743), (714, 1788), (766, 1860), (800, 1899), (823, 1935), (826, 1941), (842, 1965), (882, 1995), (888, 2001), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103),

Gene: Cosmo_26 Start: 8131, Stop: 9744, Start Num: 95
Candidate Starts for Cosmo_26:
(Start: 95 @8131 has 6 MA's), (199, 8281), (Start: 210 @8299 has 1 MA's), (225, 8332), (229, 8344), (260, 8395), (261, 8398), (273, 8446), (275, 8452), (293, 8491), (294, 8494), (304, 8527), (340, 8596), (378, 8662), (383, 8680), (391, 8704), (394, 8710), (433, 8815), (460, 8857), (479, 8875), (483, 8884), (592, 9088), (596, 9094), (622, 9127), (711, 9292), (717, 9301), (722, 9307), (723, 9310), (766, 9385), (797, 9418), (806, 9433), (856, 9514), (972, 9667), (991, 9688), (993, 9691),

Gene: Cota_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for Cota_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (241, 528), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (556, 1206), (566, 1227), (605, 1293), (624, 1314), (654, 1356), (673, 1398), (711, 1467), (723, 1485), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (818, 1602), (830, 1626), (885, 1704), (887, 1707), (897, 1719), (951, 1797), (956, 1806), (972, 1827), (1010, 1875), (1014, 1881),

Gene: Cote_4 Start: 1013, Stop: 2494, Start Num: 198
Candidate Starts for Cote_4:
(Start: 81 @848 has 7 MA's), (Start: 198 @1013 has 7 MA's), (217, 1052), (257, 1103), (261, 1115), (269, 1151), (275, 1169), (375, 1352), (410, 1466), (415, 1478), (436, 1526), (449, 1547), (459, 1562), (481, 1619), (657, 1934), (688, 2000), (696, 2012), (711, 2045), (747, 2084), (751, 2093), (754, 2096), (793, 2162), (810, 2192), (833, 2237), (864, 2279), (884, 2306), (885, 2309), (950, 2402), (952, 2408), (964, 2429), (973, 2441), (1010, 2480), (1012, 2483),

Gene: Courthouse_10 Start: 3708, Stop: 5240, Start Num: 152
Candidate Starts for Courthouse_10:
(Start: 122 @3666 has 2 MA's), (128, 3675), (Start: 152 @3708 has 34 MA's), (224, 3822), (246, 3885), (260, 3918), (272, 3966), (302, 4041), (317, 4077), (371, 4152), (373, 4155), (386, 4191), (398, 4224), (534, 4473), (566, 4536), (578, 4563), (674, 4722), (692, 4758), (709, 4788), (714, 4797), (752, 4851), (769, 4875), (952, 5109), (959, 5121),

Gene: Courtney3_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Courtney3_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Cracklewink_9 Start: 4723, Stop: 6342, Start Num: 68
Candidate Starts for Cracklewink_9:

(Start: 68 @4723 has 4 MA's), (150, 4831), (Start: 216 @4942 has 4 MA's), (288, 5119), (290, 5122), (310, 5182), (346, 5248), (347, 5251), (387, 5311), (389, 5317), (435, 5449), (436, 5452), (454, 5479), (535, 5581), (566, 5650), (570, 5662), (589, 5698), (593, 5707), (601, 5722), (603, 5728), (651, 5785), (660, 5803), (676, 5836), (685, 5860), (691, 5869), (697, 5878), (740, 5947), (779, 6016), (781, 6019), (801, 6061), (846, 6139), (894, 6169), (924, 6211), (949, 6253), (957, 6268),

Gene: Crespo_2 Start: 456, Stop: 1892, Start Num: 173
Candidate Starts for Crespo_2:
(Start: 87 @360 has 20 MA's), (Start: 173 @456 has 42 MA's), (Start: 175 @459 has 3 MA's), (Start: 191 @495 has 1 MA's), (Start: 210 @534 has 1 MA's), (271, 696), (304, 783), (309, 792), (317, 810), (335, 822), (394, 942), (404, 978), (409, 999), (420, 1020), (444, 1068), (450, 1077), (561, 1230), (591, 1290), (602, 1308), (645, 1359), (660, 1386), (666, 1401), (667, 1404), (714, 1485), (742, 1530), (799, 1605), (814, 1623), (825, 1644), (872, 1689), (886, 1707), (888, 1710), (952, 1803), (1014, 1884),

Gene: CrimD_8 Start: 1562, Stop: 2983, Start Num: 164
Candidate Starts for CrimD_8:
(98, 1490), (Start: 156 @1550 has 11 MA's), (Start: 164 @1562 has 155 MA's), (Start: 223 @1673 has 16 MA's), (224, 1679), (255, 1757), (259, 1766), (271, 1814), (277, 1832), (304, 1901), (336, 1943), (341, 1949), (358, 1976), (360, 1979), (404, 2096), (407, 2105), (444, 2186), (537, 2300), (561, 2348), (566, 2360), (581, 2390), (594, 2414), (601, 2426), (658, 2504), (660, 2510), (745, 2654), (767, 2687), (814, 2741), (952, 2918), (1012, 2972),

Gene: CristinaYang_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for CristinaYang_2:
(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (260, 699), (267, 732), (272, 747), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: CroZenni_3 Start: 689, Stop: 2317, Start Num: 127
Candidate Starts for CroZenni_3:
(Start: 127 @689 has 74 MA's), (222, 845), (275, 953), (309, 1037), (318, 1061), (334, 1079), (375, 1136), (394, 1187), (395, 1190), (410, 1250), (416, 1268), (430, 1298), (447, 1328), (688, 1784), (697, 1799), (925, 2150), (952, 2198), (1026, 2306),

Gene: Crossroads_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Crossroads_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: CupcakePrincess_3 Start: 676, Stop: 2304, Start Num: 127
Candidate Starts for CupcakePrincess_3:
(Start: 127 @676 has 74 MA's), (222, 832), (275, 940), (309, 1024), (318, 1048), (375, 1123), (394, 1174), (395, 1177), (410, 1237), (416, 1255), (430, 1285), (447, 1315), (688, 1771), (697, 1786), (925, 2137), (1026, 2293),

Gene: Curiosium_9 Start: 1962, Stop: 3389, Start Num: 164
Candidate Starts for Curiosium_9:

(89, 1878), (Start: 127 @1929 has 74 MA's), (Start: 156 @1950 has 11 MA's), (Start: 164 @1962 has 155 MA's), (Start: 223 @2073 has 16 MA's), (224, 2079), (239, 2118), (255, 2157), (259, 2166), (261, 2172), (271, 2214), (277, 2232), (288, 2250), (304, 2301), (358, 2376), (360, 2379), (404, 2496), (407, 2505), (494, 2634), (537, 2700), (561, 2748), (566, 2760), (581, 2790), (594, 2814), (597, 2820), (660, 2910), (714, 3012), (743, 3051), (745, 3054), (767, 3087), (799, 3123), (814, 3141), (891, 3228), (952, 3318), (1012, 3378), (1015, 3384),

Gene: Cygnet_3 Start: 889, Stop: 2325, Start Num: 217
Candidate Starts for Cygnet_3:
(78, 688), (Start: 81 @691 has 7 MA's), (217, 889), (257, 940), (261, 952), (269, 988), (275, 1006), (277, 1012), (283, 1030), (375, 1189), (410, 1303), (436, 1363), (449, 1384), (459, 1399), (481, 1456), (540, 1582), (572, 1642), (618, 1723), (638, 1738), (651, 1759), (697, 1852), (711, 1882), (747, 1921), (751, 1930), (767, 1954), (790, 1993), (793, 1999), (857, 2101), (864, 2110), (868, 2116), (884, 2137), (885, 2140), (903, 2164), (948, 2230), (950, 2233), (1012, 2314),

Gene: Cynthia_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Cynthia_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: CyranoPS_2 Start: 351, Stop: 1808, Start Num: 92
Candidate Starts for CyranoPS_2:
(92, 351), (98, 360), (102, 366), (304, 699), (313, 717), (391, 849), (408, 903), (432, 966), (543, 1119), (582, 1191), (607, 1239), (655, 1287), (683, 1350), (685, 1359), (748, 1461), (796, 1518), (831, 1569), (836, 1581), (959, 1755), (964, 1764), (994, 1797),

Gene: DHan_4 Start: 1011, Stop: 2585, Start Num: 84
Candidate Starts for DHan_4:
(Start: 84 @1011 has 63 MA's), (Start: 88 @1017 has 18 MA's), (Start: 95 @1026 has 6 MA's), (190, 1173), (245, 1275), (259, 1299), (321, 1470), (324, 1476), (391, 1614), (394, 1620), (400, 1641), (407, 1665), (442, 1740), (481, 1788), (503, 1842), (517, 1866), (542, 1911), (546, 1917), (564, 1947), (566, 1953), (582, 1989), (642, 2046), (654, 2064), (660, 2079), (698, 2157), (717, 2193), (723, 2202), (747, 2238), (799, 2304), (845, 2379), (857, 2397), (865, 2406), (995, 2553), (1012, 2577), (1014, 2580),

Gene: DMoney_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for DMoney_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: DNAIII_002 Start: 368, Stop: 1900, Start Num: 87
Candidate Starts for DNAIII_002:
(Start: 87 @368 has 20 MA's), (Start: 173 @464 has 42 MA's), (Start: 175 @467 has 3 MA's), (Start: 191 @503 has 1 MA's), (Start: 210 @542 has 1 MA's), (271, 704), (304, 791), (309, 800), (317, 818), (335, 830), (394, 950), (404, 986), (409, 1007), (420, 1028), (444, 1076), (450, 1085), (561, 1238), (591, 1298), (602, 1316), (645, 1367), (660, 1394), (666, 1409), (667, 1412), (714, 1493), (742, 1538), (799, 1613), (814, 1631), (825, 1652), (872, 1697), (886, 1715), (888, 1718), (952, 1811), (1014, 1892),

Gene: DaWorst_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for DaWorst_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Dadosky_6 Start: 1349, Stop: 2776, Start Num: 172
Candidate Starts for Dadosky_6:
(Start: 172 @1349 has 22 MA's), (201, 1406), (Start: 210 @1427 has 1 MA's), (Start: 223 @1451 has 16 MA's), (255, 1535), (259, 1544), (261, 1550), (270, 1589), (271, 1592), (277, 1610), (288, 1628), (304, 1679), (335, 1718), (358, 1754), (374, 1781), (391, 1832), (404, 1874), (407, 1883), (408, 1886), (444, 1964), (537, 2078), (561, 2126), (566, 2138), (581, 2168), (601, 2204), (617, 2231), (660, 2288), (697, 2372), (711, 2396), (766, 2474), (814, 2531), (827, 2555), (842, 2579), (952, 2708), (1012, 2765),

Gene: Daegal_6 Start: 2134, Stop: 3768, Start Num: 39
Candidate Starts for Daegal_6:
(Start: 39 @2134 has 19 MA's), (Start: 82 @2173 has 6 MA's), (133, 2221), (234, 2392), (256, 2431), (323, 2611), (332, 2620), (336, 2629), (372, 2692), (376, 2698), (402, 2782), (403, 2785), (404, 2788), (451, 2884), (454, 2887), (459, 2896), (520, 2962), (535, 2992), (546, 3019), (565, 3052), (569, 3073), (571, 3076), (629, 3172), (646, 3193), (689, 3283), (713, 3325), (724, 3343), (728, 3349), (767, 3412), (769, 3418), (771, 3421), (811, 3466), (815, 3472), (830, 3499), (836, 3514), (871, 3565), (878, 3574), (889, 3589), (892, 3592), (918, 3631), (931, 3646), (939, 3661), (941, 3664), (1004, 3742), (1010, 3748),

Gene: DaftyDuck_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for DaftyDuck_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Daiboju_2 Start: 428, Stop: 1993, Start Num: 75
Candidate Starts for Daiboju_2:
(Start: 75 @428 has 75 MA's), (Start: 196 @599 has 2 MA's), (260, 701), (267, 734), (272, 749), (275, 758), (283, 782), (305, 836), (364, 947), (393, 1013), (395, 1019), (410, 1079), (436, 1139), (456, 1169), (519, 1268), (615, 1442), (623, 1451), (657, 1487), (660, 1493), (677, 1529), (696, 1565), (711, 1598), (747, 1637), (749, 1643), (845, 1784), (925, 1859), (973, 1940), (1010, 1979),

Gene: Dalmuri_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Dalmuri_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: DanBing_3 Start: 907, Stop: 2469, Start Num: 88
Candidate Starts for DanBing_3:

(Start: 84 @901 has 63 MA's), (Start: 88 @907 has 18 MA's), (Start: 95 @916 has 6 MA's), (190, 1063), (245, 1165), (277, 1255), (321, 1360), (391, 1498), (394, 1504), (400, 1525), (407, 1549), (442, 1624), (481, 1672), (503, 1726), (517, 1750), (529, 1771), (542, 1795), (546, 1801), (564, 1831), (566, 1837), (582, 1873), (642, 1930), (654, 1948), (660, 1963), (697, 2038), (698, 2041), (717, 2077), (723, 2086), (747, 2122), (799, 2188), (845, 2263), (857, 2281), (865, 2290), (995, 2437), (1012, 2461), (1014, 2464),

Gene: DanHam62_2 Start: 370, Stop: 1992, Start Num: 96
Candidate Starts for DanHam62_2:
(Start: 81 @349 has 7 MA's), (Start: 96 @370 has 8 MA's), (257, 601), (258, 604), (261, 613), (269, 649), (275, 667), (305, 745), (375, 850), (410, 964), (419, 988), (436, 1024), (449, 1045), (459, 1060), (481, 1120), (523, 1204), (651, 1420), (657, 1432), (670, 1459), (688, 1498), (691, 1504), (711, 1543), (737, 1570), (747, 1582), (767, 1615), (776, 1627), (793, 1660), (903, 1831), (950, 1900), (952, 1906), (964, 1927), (982, 1948), (1010, 1978), (1012, 1981), (1014, 1984),

Gene: Danimal_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Danimal_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Danno_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Danno_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Daob_4 Start: 1013, Stop: 2494, Start Num: 198
Candidate Starts for Daob_4:
(Start: 81 @848 has 7 MA's), (Start: 198 @1013 has 7 MA's), (217, 1052), (257, 1103), (261, 1115), (269, 1151), (275, 1169), (375, 1352), (410, 1466), (415, 1478), (416, 1484), (436, 1526), (449, 1547), (459, 1562), (481, 1619), (657, 1934), (688, 2000), (711, 2045), (747, 2084), (754, 2096), (767, 2117), (793, 2162), (810, 2192), (833, 2237), (864, 2279), (884, 2306), (885, 2309), (950, 2402), (952, 2408), (964, 2429), (973, 2441), (1010, 2480), (1012, 2483),

Gene: Dardanus_9 Start: 3554, Stop: 5239, Start Num: 50
Candidate Starts for Dardanus_9:
(Start: 50 @3554 has 4 MA's), (132, 3656), (269, 3896), (277, 3920), (290, 3941), (295, 3959), (302, 3980), (350, 4076), (375, 4124), (393, 4172), (395, 4178), (407, 4223), (419, 4262), (421, 4265), (423, 4268), (435, 4295), (523, 4403), (572, 4505), (649, 4637), (696, 4742), (740, 4808), (776, 4859), (787, 4877), (848, 4997), (873, 5030), (905, 5072), (932, 5105), (959, 5156), (1015, 5225), (1019, 5231),

Gene: Darionha_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for Darionha_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: DarthP_7 Start: 1387, Stop: 2811, Start Num: 164

Candidate Starts for DarthP_7:
(Start: 156 @1375 has 11 MA's), (Start: 164 @1387 has 155 MA's), (Start: 210 @1474 has 1 MA's), (Start: 223 @1498 has 16 MA's), (255, 1582), (259, 1591), (271, 1639), (277, 1657), (288, 1675), (304, 1726), (341, 1774), (404, 1921), (407, 1930), (408, 1933), (420, 1963), (444, 2011), (537, 2125), (566, 2185), (581, 2215), (606, 2266), (627, 2287), (660, 2335), (680, 2377), (697, 2407), (745, 2479), (814, 2566), (952, 2743), (1012, 2800), (1015, 2806),

Gene: Dartin_8 Start: 1660, Stop: 3090, Start Num: 164
Candidate Starts for Dartin_8:
(Start: 121 @1618 has 4 MA's), (Start: 156 @1648 has 11 MA's), (Start: 164 @1660 has 155 MA's), (Start: 210 @1750 has 1 MA's), (Start: 223 @1774 has 16 MA's), (224, 1780), (239, 1819), (255, 1858), (259, 1867), (261, 1873), (271, 1915), (277, 1933), (288, 1951), (304, 2002), (341, 2050), (404, 2197), (407, 2206), (494, 2335), (537, 2401), (558, 2443), (561, 2449), (566, 2461), (581, 2491), (594, 2515), (606, 2542), (660, 2611), (680, 2653), (697, 2683), (711, 2707), (745, 2755), (797, 2818), (814, 2842), (842, 2893), (891, 2932), (952, 3022), (988, 3061), (1012, 3079), (1015, 3085),

Gene: Deby_8 Start: 1575, Stop: 2996, Start Num: 164
Candidate Starts for Deby_8:
(98, 1503), (Start: 156 @1563 has 11 MA's), (Start: 164 @1575 has 155 MA's), (Start: 223 @1686 has 16 MA's), (224, 1692), (255, 1770), (259, 1779), (271, 1827), (277, 1845), (304, 1914), (336, 1956), (341, 1962), (404, 2109), (407, 2118), (457, 2217), (537, 2313), (561, 2361), (566, 2373), (581, 2403), (594, 2427), (601, 2439), (606, 2454), (660, 2523), (745, 2667), (814, 2754), (952, 2931), (1012, 2985),

Gene: Decurro_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Decurro_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (231, 992), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: DeepSoil15_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for DeepSoil15_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: DelRio_6 Start: 2230, Stop: 3660, Start Num: 219
Candidate Starts for DelRio_6:
(48, 1960), (123, 2062), (126, 2065), (Start: 127 @2068 has 74 MA's), (Start: 131 @2074 has 3 MA's), (Start: 219 @2230 has 15 MA's), (226, 2248), (275, 2371), (283, 2389), (299, 2428), (302, 2437), (357, 2521), (394, 2605), (399, 2620), (408, 2653), (440, 2719), (489, 2788), (514, 2851), (606, 3040), (618, 3052), (654, 3100), (699, 3193), (729, 3244), (743, 3268), (745, 3271), (762, 3298), (811, 3358), (830, 3391), (836, 3406), (862, 3442), (892, 3484), (913, 3511), (939, 3547), (942, 3553), (966, 3592),

Gene: Delian_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Delian_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288,

693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Demsculpinboyz_3 Start: 664, Stop: 2184, Start Num: 154
Candidate Starts for Demsculpinboyz_3:
(Start: 131 @652 has 3 MA's), (Start: 154 @664 has 76 MA's), (Start: 223 @790 has 16 MA's), (225, 799), (241, 844), (251, 874), (253, 877), (257, 883), (268, 928), (276, 952), (333, 1063), (342, 1081), (344, 1084), (358, 1108), (394, 1192), (404, 1228), (407, 1237), (409, 1249), (412, 1255), (420, 1270), (428, 1282), (439, 1309), (441, 1315), (445, 1321), (467, 1357), (479, 1366), (496, 1396), (511, 1426), (513, 1429), (563, 1525), (566, 1534), (579, 1561), (633, 1645), (651, 1660), (709, 1771), (714, 1780), (722, 1789), (823, 1927), (829, 1939), (842, 1957), (888, 1993), (925, 2035), (930, 2041), (952, 2083), (960, 2095), (969, 2107), (1023, 2173),

Gene: Denise_2 Start: 318, Stop: 1895, Start Num: 93
Candidate Starts for Denise_2:
(80, 300), (Start: 93 @318 has 51 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (323, 753), (372, 816), (374, 819), (386, 855), (404, 912), (410, 936), (431, 978), (451, 1008), (477, 1038), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (599, 1251), (628, 1293), (643, 1314), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (714, 1458), (728, 1476), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1878),

Gene: Devera_8 Start: 1604, Stop: 3025, Start Num: 164
Candidate Starts for Devera_8:
(98, 1532), (Start: 156 @1592 has 11 MA's), (Start: 164 @1604 has 155 MA's), (Start: 223 @1715 has 16 MA's), (224, 1721), (255, 1799), (259, 1808), (271, 1856), (277, 1874), (304, 1943), (336, 1985), (341, 1991), (358, 2018), (360, 2021), (391, 2096), (404, 2138), (407, 2147), (444, 2228), (537, 2342), (561, 2390), (566, 2402), (581, 2432), (594, 2456), (601, 2468), (606, 2483), (660, 2552), (677, 2591), (745, 2696), (767, 2729), (814, 2783), (952, 2960), (1012, 3014),

Gene: Dewayne_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Dewayne_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Dewey_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Dewey_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: DickRichards_3 Start: 1160, Stop: 2782, Start Num: 127
Candidate Starts for DickRichards_3:

(Start: 127 @1160 has 74 MA's), (222, 1316), (275, 1424), (280, 1439), (295, 1469), (303, 1493), (309, 1508), (322, 1541), (375, 1607), (394, 1658), (395, 1661), (410, 1721), (447, 1799), (688, 2249), (697, 2264), (925, 2615), (952, 2663), (1026, 2771),

Gene: Didgeridoo_4 Start: 944, Stop: 2572, Start Num: 127
Candidate Starts for Didgeridoo_4:
(Start: 127 @944 has 74 MA's), (222, 1100), (275, 1208), (295, 1253), (309, 1292), (334, 1334), (375, 1391), (394, 1442), (395, 1445), (410, 1505), (416, 1523), (430, 1553), (447, 1583), (688, 2039), (697, 2054), (767, 2156), (925, 2405), (952, 2453), (968, 2477), (1010, 2522),

Gene: Diminimus_15 Start: 4718, Stop: 6262, Start Num: 112
Candidate Starts for Diminimus_15:
(Start: 112 @4718 has 27 MA's), (143, 4766), (258, 4967), (304, 5105), (403, 5297), (517, 5507), (546, 5558), (582, 5630), (658, 5693), (667, 5717), (675, 5732), (705, 5792), (711, 5804), (743, 5864), (766, 5897), (797, 5930), (814, 5957), (841, 6005), (977, 6191), (995, 6212),

Gene: Dina_2 Start: 371, Stop: 1957, Start Num: 118
Candidate Starts for Dina_2:
(Start: 118 @371 has 4 MA's), (Start: 121 @374 has 4 MA's), (Start: 127 @380 has 74 MA's), (225, 551), (257, 629), (260, 638), (322, 812), (389, 914), (391, 920), (395, 929), (396, 938), (414, 998), (435, 1046), (436, 1049), (502, 1112), (546, 1205), (581, 1271), (678, 1427), (686, 1445), (712, 1490), (735, 1532), (757, 1568), (766, 1583), (783, 1610), (786, 1613), (792, 1628), (809, 1661), (819, 1676), (845, 1724), (876, 1754), (891, 1772), (943, 1847), (990, 1922), (1011, 1946),

Gene: Dino_5 Start: 3082, Stop: 4647, Start Num: 75
Candidate Starts for Dino_5:
(Start: 75 @3082 has 75 MA's), (Start: 216 @3292 has 4 MA's), (257, 3346), (272, 3403), (275, 3412), (387, 3652), (393, 3667), (395, 3673), (410, 3733), (436, 3793), (499, 3892), (519, 3922), (526, 3937), (572, 4018), (615, 4096), (623, 4105), (657, 4141), (676, 4180), (691, 4213), (697, 4222), (709, 4249), (754, 4303), (780, 4345), (820, 4390), (831, 4411), (843, 4435), (925, 4513), (1010, 4633),

Gene: DinoDaryn_9 Start: 3697, Stop: 5304, Start Num: 108
Candidate Starts for DinoDaryn_9:
(Start: 50 @3619 has 4 MA's), (Start: 108 @3697 has 6 MA's), (259, 3925), (269, 3967), (295, 4030), (302, 4051), (375, 4189), (395, 4243), (419, 4327), (421, 4330), (423, 4333), (436, 4363), (572, 4570), (642, 4693), (682, 4780), (688, 4795), (697, 4810), (740, 4873), (787, 4942), (806, 4984), (847, 5059), (848, 5062), (873, 5095), (925, 5161), (954, 5212), (1015, 5290), (1019, 5296),

Gene: DirkDirk_4 Start: 1053, Stop: 2636, Start Num: 84
Candidate Starts for DirkDirk_4:
(Start: 84 @1053 has 63 MA's), (Start: 88 @1059 has 18 MA's), (199, 1230), (245, 1317), (257, 1335), (259, 1341), (267, 1377), (322, 1515), (324, 1518), (372, 1593), (393, 1650), (394, 1653), (481, 1821), (503, 1875), (509, 1884), (517, 1899), (529, 1920), (553, 1959), (564, 1980), (566, 1986), (578, 2013), (608, 2055), (642, 2079), (654, 2097), (658, 2106), (660, 2112), (675, 2145), (692, 2178), (711, 2217), (714, 2223), (717, 2226), (747, 2271), (799, 2337), (830, 2388), (845, 2412), (856, 2427), (857, 2430), (952, 2532), (972, 2559), (1012, 2610), (1014, 2613),

Gene: DirtMcgirt_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for DirtMcgirt_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495,

1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102),

Gene: DirtPie_3 Start: 1179, Stop: 2639, Start Num: 106
Candidate Starts for DirtPie_3:
(Start: 106 @1179 has 126 MA's), (Start: 111 @1185 has 9 MA's), (217, 1347), (222, 1356), (258, 1416), (278, 1485), (290, 1506), (305, 1557), (409, 1761), (540, 1974), (546, 1989), (567, 2025), (588, 2067), (605, 2100), (621, 2118), (692, 2238), (694, 2241), (699, 2253), (749, 2328), (788, 2391), (799, 2409), (801, 2412), (919, 2574), (928, 2583), (934, 2592), (955, 2631),

Gene: DirtyBoi_2 Start: 586, Stop: 2196, Start Num: 116
Candidate Starts for DirtyBoi_2:
(Start: 116 @586 has 12 MA's), (233, 769), (249, 802), (288, 904), (304, 952), (356, 1024), (410, 1177), (431, 1219), (451, 1249), (493, 1312), (516, 1354), (520, 1363), (561, 1444), (563, 1447), (568, 1465), (589, 1510), (605, 1543), (628, 1570), (667, 1648), (714, 1735), (729, 1759), (798, 1852), (799, 1855), (811, 1873), (862, 1957),

Gene: DirtyBubble_3 Start: 957, Stop: 2582, Start Num: 127
Candidate Starts for DirtyBubble_3:
(Start: 127 @957 has 74 MA's), (222, 1113), (261, 1167), (275, 1221), (280, 1236), (309, 1305), (335, 1350), (375, 1404), (394, 1455), (395, 1458), (410, 1518), (416, 1536), (417, 1539), (430, 1566), (447, 1596), (523, 1758), (652, 1974), (688, 2049), (696, 2061), (925, 2415), (952, 2463),

Gene: DismalFunk_4 Start: 652, Stop: 2076, Start Num: 164
Candidate Starts for DismalFunk_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (201, 712), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (336, 1024), (358, 1057), (393, 1138), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (655, 1576), (660, 1588), (680, 1630), (697, 1660), (713, 1687), (743, 1729), (751, 1744), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (1012, 2065),

Gene: DismalStressor_4 Start: 652, Stop: 2076, Start Num: 164
Candidate Starts for DismalStressor_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (201, 712), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (336, 1024), (358, 1057), (393, 1138), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (655, 1576), (660, 1588), (680, 1630), (697, 1660), (713, 1687), (743, 1729), (751, 1744), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (1012, 2065),

Gene: Dismas_3 Start: 938, Stop: 2563, Start Num: 120
Candidate Starts for Dismas_3:
(Start: 120 @938 has 2 MA's), (Start: 127 @944 has 74 MA's), (222, 1100), (269, 1190), (275, 1208), (280, 1223), (309, 1292), (318, 1316), (334, 1334), (375, 1391), (394, 1442), (395, 1445), (410, 1505), (417, 1526), (430, 1553), (447, 1583), (618, 1922), (696, 2045), (896, 2360), (925, 2399), (1010, 2516),

Gene: Dmitri_2 Start: 586, Stop: 2193, Start Num: 116
Candidate Starts for Dmitri_2:
(Start: 116 @586 has 12 MA's), (233, 769), (277, 886), (288, 904), (304, 952), (356, 1024), (410, 1177), (431, 1219), (451, 1249), (493, 1312), (516, 1354), (520, 1363), (542, 1414), (563, 1447), (568, 1465), (589, 1510), (605, 1543), (628, 1570), (667, 1648), (714, 1735), (729, 1759), (769, 1825), (798, 1852), (799, 1855), (811, 1873), (926, 2044),

Gene: DobbysSock_2 Start: 318, Stop: 1877, Start Num: 93
Candidate Starts for DobbysSock_2:
(51, 258), (Start: 93 @318 has 51 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (566, 1179), (628, 1293), (660, 1344), (668, 1365), (689, 1404), (692, 1410), (713, 1446), (714, 1449), (742, 1491), (745, 1497), (831, 1620), (836, 1632), (864, 1671), (911, 1734), (1008, 1860),

Gene: DocMcStuffins_3 Start: 674, Stop: 2161, Start Num: 154
Candidate Starts for DocMcStuffins_3:
(Start: 131 @662 has 3 MA's), (Start: 154 @674 has 76 MA's), (Start: 223 @800 has 16 MA's), (224, 806), (240, 848), (241, 854), (253, 887), (257, 893), (259, 899), (268, 938), (276, 962), (287, 980), (288, 983), (302, 1025), (333, 1073), (337, 1082), (342, 1091), (344, 1094), (374, 1145), (400, 1223), (407, 1247), (409, 1259), (420, 1280), (428, 1292), (441, 1325), (445, 1331), (495, 1400), (496, 1406), (513, 1439), (532, 1475), (563, 1535), (566, 1544), (579, 1571), (629, 1649), (684, 1745), (714, 1790), (766, 1862), (800, 1901), (823, 1937), (826, 1943), (842, 1967), (882, 1997), (888, 2003), (925, 2045), (927, 2048), (930, 2051), (952, 2093), (960, 2105), (969, 2117),

Gene: Doggs_2 Start: 586, Stop: 2193, Start Num: 116
Candidate Starts for Doggs_2:
(Start: 116 @586 has 12 MA's), (233, 769), (277, 886), (288, 904), (304, 952), (336, 1012), (356, 1024), (410, 1177), (431, 1219), (451, 1249), (493, 1312), (516, 1354), (520, 1363), (542, 1414), (561, 1444), (563, 1447), (568, 1465), (589, 1510), (605, 1543), (628, 1570), (667, 1648), (714, 1735), (729, 1759), (798, 1852), (799, 1855), (811, 1873), (862, 1957),

Gene: Dole_8 Start: 1604, Stop: 3025, Start Num: 164
Candidate Starts for Dole_8:
(98, 1532), (Start: 156 @1592 has 11 MA's), (Start: 164 @1604 has 155 MA's), (Start: 223 @1715 has 16 MA's), (224, 1721), (255, 1799), (259, 1808), (271, 1856), (277, 1874), (304, 1943), (336, 1985), (341, 1991), (358, 2018), (360, 2021), (391, 2096), (404, 2138), (407, 2147), (444, 2228), (537, 2342), (561, 2390), (566, 2402), (581, 2432), (594, 2456), (601, 2468), (606, 2483), (660, 2552), (677, 2591), (745, 2696), (767, 2729), (814, 2783), (952, 2960), (1012, 3014),

Gene: Dolores_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for Dolores_3:
(51, 760), (Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (310, 1228), (372, 1318), (374, 1321), (404, 1414), (410, 1438), (451, 1510), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (658, 1840), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: Donatella_5 Start: 2098, Stop: 3798, Start Num: 112
Candidate Starts for Donatella_5:
(70, 2041), (Start: 96 @2077 has 8 MA's), (Start: 112 @2098 has 27 MA's), (185, 2221), (Start: 198 @2242 has 7 MA's), (222, 2290), (258, 2335), (269, 2380), (275, 2398), (276, 2401), (295, 2443), (334, 2524), (335, 2527), (375, 2581), (410, 2695), (436, 2755), (449, 2776), (540, 3007), (572, 3073), (579, 3088), (668, 3259), (691, 3307), (697, 3316), (720, 3358), (749, 3391), (776, 3430), (807, 3472), (884, 3562), (903, 3589), (905, 3592), (910, 3598), (925, 3619), (950, 3661), (1004, 3739), (1026, 3787),

Gene: Dongwon_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Dongwon_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799,

2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: DonkeyMan_2 Start: 512, Stop: 2101, Start Num: 110
Candidate Starts for DonkeyMan_2:
(Start: 110 @512 has 8 MA's), (202, 647), (204, 653), (224, 695), (259, 734), (267, 770), (283, 818), (309, 878), (334, 920), (335, 923), (346, 947), (347, 950), (375, 977), (396, 1040), (417, 1112), (432, 1142), (435, 1148), (436, 1151), (572, 1418), (579, 1433), (581, 1436), (589, 1448), (634, 1508), (660, 1553), (668, 1571), (685, 1610), (754, 1703), (767, 1724), (773, 1733), (805, 1793), (820, 1817), (837, 1853), (890, 1925), (952, 2018), (963, 2036), (1012, 2090),

Gene: Donovan_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Donovan_2:
(Start: 40 @413 has 46 MA's), (119, 524), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (702, 1622), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Doobus_3 Start: 911, Stop: 2539, Start Num: 127
Candidate Starts for Doobus_3:
(Start: 127 @911 has 74 MA's), (222, 1067), (275, 1175), (309, 1259), (334, 1301), (375, 1358), (394, 1409), (395, 1412), (410, 1472), (416, 1490), (430, 1520), (447, 1550), (688, 2006), (697, 2021), (925, 2372), (952, 2420), (1026, 2528),

Gene: Dooby_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Dooby_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Dorito_2 Start: 318, Stop: 1877, Start Num: 93
Candidate Starts for Dorito_2:
(51, 258), (Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (317, 744), (372, 816), (374, 819), (386, 855), (404, 912), (407, 921), (410, 936), (459, 1020), (493, 1071), (542, 1137), (566, 1179), (628, 1293), (660, 1344), (668, 1365), (692, 1410), (713, 1446), (714, 1449), (742, 1491), (745, 1497), (831, 1620), (836, 1632), (864, 1671), (1008, 1860),

Gene: DosHalletts_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for DosHalletts_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Doucette_3 Start: 956, Stop: 2410, Start Num: 156
Candidate Starts for Doucette_3:
(Start: 156 @956 has 11 MA's), (158, 959), (Start: 210 @1058 has 1 MA's), (224, 1085), (235, 1112), (238, 1121), (251, 1163), (259, 1178), (269, 1220), (288, 1262), (309, 1322), (317, 1340), (334, 1349), (390, 1460), (407, 1517), (412, 1535), (428, 1562), (561, 1760), (563, 1763), (565, 1769), (581, 1802),

(658, 1907), (782, 2126), (798, 2132), (819, 2165), (1005, 2396),

Gene: Douge_4 Start: 771, Stop: 2333, Start Num: 84
Candidate Starts for Douge_4:
(Start: 84 @771 has 63 MA's), (Start: 88 @777 has 18 MA's), (190, 927), (225, 993), (242, 1023), (257, 1047), (262, 1062), (272, 1104), (324, 1230), (394, 1368), (400, 1389), (407, 1413), (442, 1488), (481, 1536), (517, 1614), (529, 1635), (542, 1659), (546, 1665), (564, 1695), (566, 1701), (582, 1737), (642, 1794), (660, 1827), (711, 1932), (717, 1941), (735, 1965), (747, 1986), (799, 2052), (865, 2154), (972, 2274), (977, 2280), (995, 2301), (1012, 2325),

Gene: Douggie_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Douggie_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (417, 1677), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (955, 2523),

Gene: Doughnut_4 Start: 652, Stop: 2073, Start Num: 164
Candidate Starts for Doughnut_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (336, 1024), (341, 1030), (358, 1057), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (452, 1279), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (602, 1510), (660, 1588), (680, 1630), (697, 1660), (743, 1729), (751, 1744), (766, 1762), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (952, 1996), (1012, 2062),

Gene: Douzhi_4 Start: 771, Stop: 2333, Start Num: 84
Candidate Starts for Douzhi_4:
(Start: 84 @771 has 63 MA's), (Start: 88 @777 has 18 MA's), (190, 927), (225, 993), (242, 1023), (257, 1047), (262, 1062), (272, 1104), (324, 1230), (394, 1368), (400, 1389), (407, 1413), (442, 1488), (481, 1536), (517, 1614), (529, 1635), (542, 1659), (546, 1665), (564, 1695), (566, 1701), (582, 1737), (660, 1827), (711, 1932), (717, 1941), (735, 1965), (747, 1986), (799, 2052), (865, 2154), (972, 2274), (977, 2280), (995, 2301), (1012, 2325),

Gene: DrHayes_8 Start: 1566, Stop: 2987, Start Num: 164
Candidate Starts for DrHayes_8:
(98, 1494), (Start: 127 @1533 has 74 MA's), (Start: 156 @1554 has 11 MA's), (Start: 164 @1566 has 155 MA's), (Start: 223 @1677 has 16 MA's), (224, 1683), (255, 1761), (259, 1770), (271, 1818), (277, 1836), (304, 1905), (336, 1947), (341, 1953), (358, 1980), (360, 1983), (374, 2007), (404, 2100), (407, 2109), (444, 2190), (457, 2208), (537, 2304), (561, 2352), (566, 2364), (581, 2394), (594, 2418), (601, 2430), (658, 2508), (660, 2514), (745, 2658), (767, 2691), (814, 2745), (952, 2922), (1012, 2976),

Gene: DrParker_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for DrParker_2:
(Start: 153 @378 has 47 MA's), (171, 402), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (605, 1293), (635, 1326), (673, 1398), (717, 1476), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (830, 1626), (844, 1647), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: DrRobert_2 Start: 426, Stop: 1991, Start Num: 75

Candidate Starts for DrRobert_2:
(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (267, 732), (272, 747), (275, 756), (277, 762), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: DrSeegs_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for DrSeegs_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Drago_3 Start: 797, Stop: 2158, Start Num: 223
Candidate Starts for Drago_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: DreamTeam_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for DreamTeam_2:
(Start: 75 @426 has 75 MA's), (168, 549), (257, 690), (259, 696), (270, 741), (275, 756), (277, 762), (283, 780), (393, 1011), (395, 1017), (410, 1077), (499, 1236), (519, 1266), (526, 1281), (581, 1380), (615, 1440), (623, 1449), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (831, 1755), (925, 1857), (1010, 1977),

Gene: Dulcita_15 Start: 4718, Stop: 6262, Start Num: 112
Candidate Starts for Dulcita_15:
(Start: 112 @4718 has 27 MA's), (143, 4766), (258, 4967), (304, 5105), (403, 5297), (517, 5507), (546, 5558), (582, 5630), (658, 5693), (667, 5717), (675, 5732), (705, 5792), (711, 5804), (743, 5864), (766, 5897), (797, 5930), (814, 5957), (841, 6005), (977, 6191), (995, 6212),

Gene: DumpsterDude_2 Start: 434, Stop: 1993, Start Num: 131
Candidate Starts for DumpsterDude_2:
(31, 278), (Start: 38 @302 has 1 MA's), (60, 335), (80, 365), (Start: 131 @434 has 3 MA's), (181, 500), (221, 569), (237, 608), (275, 707), (298, 758), (304, 779), (305, 782), (327, 824), (370, 878), (407, 986), (449, 1070), (451, 1073), (493, 1136), (507, 1166), (518, 1184), (520, 1187), (614, 1376), (654, 1430), (658, 1439), (689, 1502), (717, 1550), (723, 1559), (728, 1568), (743, 1595), (745, 1598), (762, 1625), (811, 1685), (824, 1706), (892, 1811), (915, 1844), (956, 1913), (1010, 1973),

Gene: DuncansLeg_5 Start: 1193, Stop: 2758, Start Num: 84
Candidate Starts for DuncansLeg_5:
(27, 1085), (30, 1091), (Start: 50 @1142 has 4 MA's), (57, 1151), (Start: 84 @1193 has 63 MA's), (Start: 88 @1199 has 18 MA's), (199, 1370), (218, 1403), (257, 1475), (259, 1481), (261, 1487), (317, 1643), (321, 1652), (322, 1655), (324, 1658), (372, 1733), (391, 1787), (393, 1790), (394, 1793), (509, 2024), (553, 2099), (564, 2120), (566, 2126), (578, 2153), (608, 2195), (642, 2219), (654, 2237), (658, 2246), (660, 2252), (717, 2366), (743, 2405), (747, 2411), (799, 2477), (833, 2531), (839, 2543), (856,

2567), (865, 2579), (909, 2618), (977, 2705), (1012, 2750), (1014, 2753),

Gene: Duplicity_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Duplicity_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Durfee_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Durfee_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Dylan_30 Start: 13252, Stop: 14766, Start Num: 86
Candidate Starts for Dylan_30:
(Start: 86 @13252 has 18 MA's), (Start: 88 @13255 has 18 MA's), (Start: 210 @13435 has 1 MA's), (245, 13528), (270, 13603), (283, 13636), (295, 13663), (304, 13693), (391, 13846), (394, 13852), (404, 13888), (407, 13897), (444, 13978), (450, 13987), (452, 13990), (534, 14086), (550, 14122), (553, 14125), (656, 14281), (660, 14290), (692, 14359), (697, 14368), (703, 14374), (722, 14407), (745, 14443), (814, 14530), (825, 14551), (888, 14614), (891, 14617), (894, 14620), (905, 14638), (925, 14659), (952, 14701), (982, 14734), (985, 14737), (1005, 14749),

Gene: Dynamo_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Dynamo_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: DyoEdafos_5 Start: 958, Stop: 2520, Start Num: 84
Candidate Starts for DyoEdafos_5:
(Start: 84 @958 has 63 MA's), (Start: 88 @964 has 18 MA's), (190, 1114), (225, 1180), (242, 1210), (257, 1234), (261, 1246), (262, 1249), (272, 1291), (324, 1417), (407, 1600), (442, 1675), (517, 1801), (529, 1822), (542, 1846), (546, 1852), (564, 1882), (566, 1888), (582, 1924), (608, 1957), (642, 1981), (660, 2014), (692, 2080), (717, 2128), (723, 2137), (735, 2152), (747, 2173), (799, 2239), (865, 2341), (972, 2461), (977, 2467), (995, 2488), (1012, 2512),

Gene: E1_3 Start: 1202, Stop: 2782, Start Num: 127
Candidate Starts for E1_3:
(Start: 118 @1193 has 4 MA's), (Start: 121 @1196 has 4 MA's), (Start: 127 @1202 has 74 MA's), (Start: 144 @1229 has 1 MA's), (168, 1262), (185, 1292), (Start: 196 @1310 has 2 MA's), (Start: 198 @1313 has 7 MA's), (204, 1328), (Start: 216 @1349 has 4 MA's), (217, 1352), (265, 1439), (269, 1451), (275, 1469), (284, 1499), (285, 1502), (304, 1574), (307, 1580), (322, 1616), (332, 1622), (348, 1655), (379, 1712), (393, 1754), (395, 1760), (417, 1841), (435, 1877), (436, 1880), (454, 1907), (459, 1916), (472, 1952), (552, 2096), (567, 2126), (579, 2153), (589, 2168), (595, 2180), (621, 2222), (652, 2264), (657, 2273), (668, 2297), (691, 2345), (696, 2351), (705, 2372), (706, 2375), (749, 2429), (768, 2459), (806, 2498), (820, 2522), (836, 2555), (870, 2573), (890, 2600), (896, 2606), (903, 2618), (937,

2666), (952, 2696), (1012, 2771),

Gene: E6_3 Start: 957, Stop: 2411, Start Num: 156
Candidate Starts for E6_3:
(Start: 156 @957 has 11 MA's), (158, 960), (Start: 210 @1059 has 1 MA's), (224, 1086), (235, 1113), (238, 1122), (251, 1164), (259, 1179), (269, 1221), (288, 1263), (309, 1323), (334, 1350), (390, 1461), (407, 1518), (412, 1536), (428, 1563), (561, 1761), (563, 1764), (565, 1770), (581, 1803), (676, 1953), (722, 2037), (723, 2040), (731, 2046), (782, 2127), (801, 2139), (819, 2166), (1005, 2397),

Gene: ECartman_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for ECartman_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: EGUnicorn_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for EGUnicorn_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: ELee24_3 Start: 1134, Stop: 2594, Start Num: 106
Candidate Starts for ELee24_3:
(Start: 106 @1134 has 126 MA's), (Start: 111 @1140 has 9 MA's), (258, 1371), (278, 1440), (290, 1461), (305, 1512), (409, 1716), (501, 1851), (540, 1929), (546, 1944), (557, 1962), (567, 1980), (588, 2022), (605, 2055), (621, 2073), (692, 2193), (694, 2196), (699, 2208), (705, 2220), (749, 2283), (785, 2340), (788, 2346), (799, 2364), (801, 2367), (919, 2529), (928, 2538), (934, 2547), (955, 2586),

Gene: Easley_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for Easley_3:
(Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (310, 1228), (372, 1318), (374, 1321), (404, 1414), (407, 1423), (410, 1438), (459, 1522), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (658, 1840), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: Ebert_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Ebert_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Ecliptus_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for Ecliptus_3:
(132, 664), (Start: 154 @673 has 76 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (225, 808), (246, 871), (253, 886), (259, 898), (268, 937), (287, 979), (288, 982), (302, 1024), (313, 1051), (333,

1072), (342, 1090), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (400, 1222), (409, 1258), (412, 1264), (420, 1279), (428, 1291), (445, 1330), (497, 1411), (563, 1534), (566, 1543), (579, 1570), (601, 1609), (617, 1636), (640, 1657), (698, 1759), (714, 1786), (823, 1933), (829, 1945), (842, 1963), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: EdElric_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for EdElric_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Eden_2 Start: 659, Stop: 2224, Start Num: 127
Candidate Starts for Eden_2:
(Start: 127 @659 has 74 MA's), (Start: 144 @686 has 1 MA's), (222, 815), (275, 923), (277, 929), (280, 938), (309, 1007), (334, 1049), (375, 1106), (394, 1157), (410, 1220), (563, 1535), (668, 1709), (675, 1721), (925, 2081), (968, 2153), (1018, 2216),

Gene: EdnaMode_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for EdnaMode_2:
(Start: 93 @318 has 51 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Edugator_5 Start: 1349, Stop: 2776, Start Num: 172
Candidate Starts for Edugator_5:
(Start: 172 @1349 has 22 MA's), (201, 1406), (Start: 210 @1427 has 1 MA's), (Start: 223 @1451 has 16 MA's), (255, 1535), (259, 1544), (261, 1550), (270, 1589), (271, 1592), (277, 1610), (288, 1628), (304, 1679), (335, 1718), (358, 1754), (374, 1781), (391, 1832), (404, 1874), (407, 1883), (408, 1886), (444, 1964), (537, 2078), (561, 2126), (566, 2138), (581, 2168), (601, 2204), (617, 2231), (660, 2288), (697, 2372), (711, 2396), (766, 2474), (771, 2486), (814, 2531), (827, 2555), (842, 2579), (952, 2708), (1012, 2765),

Gene: Eesa_3 Start: 958, Stop: 2538, Start Num: 135
Candidate Starts for Eesa_3:
(Start: 81 @892 has 7 MA's), (Start: 135 @958 has 10 MA's), (Start: 198 @1054 has 7 MA's), (202, 1063), (226, 1117), (257, 1144), (261, 1156), (270, 1195), (275, 1210), (283, 1234), (295, 1255), (410, 1507), (436, 1567), (449, 1588), (474, 1648), (488, 1678), (491, 1687), (523, 1750), (657, 1978), (676, 2017), (688, 2044), (697, 2059), (711, 2089), (747, 2128), (793, 2206), (810, 2236), (819, 2251), (825, 2263), (903, 2377), (950, 2446), (952, 2452), (959, 2464), (964, 2473), (973, 2485), (976, 2488), (1012, 2527),

Gene: Efeko_4 Start: 928, Stop: 2388, Start Num: 106
Candidate Starts for Efeko_4:
(Start: 106 @928 has 126 MA's), (190, 1048), (Start: 216 @1096 has 4 MA's), (257, 1165), (278, 1237), (290, 1258), (291, 1264), (305, 1309), (395, 1459), (408, 1504), (417, 1537), (540, 1726), (562, 1768), (567, 1777), (605, 1852), (618, 1867), (621, 1870), (676, 1951), (699, 2005), (720, 2041), (731, 2047), (785, 2134), (801, 2161), (820, 2191), (919, 2323), (934, 2341), (955, 2380),

Gene: Efra2_8 Start: 1571, Stop: 2995, Start Num: 164
Candidate Starts for Efra2_8:

(98, 1499), (Start: 156 @1559 has 11 MA's), (Start: 164 @1571 has 155 MA's), (Start: 210 @1658 has 1 MA's), (Start: 223 @1682 has 16 MA's), (224, 1688), (239, 1727), (255, 1766), (259, 1775), (261, 1781), (271, 1823), (277, 1841), (288, 1859), (304, 1910), (335, 1949), (358, 1985), (360, 1988), (404, 2105), (407, 2114), (494, 2243), (537, 2309), (561, 2357), (566, 2369), (581, 2399), (594, 2423), (597, 2429), (606, 2450), (660, 2519), (697, 2591), (743, 2660), (745, 2663), (767, 2696), (814, 2750), (827, 2774), (891, 2837), (952, 2927), (1012, 2984), (1015, 2990),

Gene: Eightball_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Eightball_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Ein37_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Ein37_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Ekdilam_5 Start: 1122, Stop: 2546, Start Num: 164
Candidate Starts for Ekdilam_5:
(Start: 156 @1110 has 11 MA's), (Start: 164 @1122 has 155 MA's), (Start: 210 @1209 has 1 MA's), (Start: 223 @1233 has 16 MA's), (255, 1317), (259, 1326), (271, 1374), (277, 1392), (288, 1410), (304, 1461), (341, 1509), (358, 1536), (404, 1656), (407, 1665), (408, 1668), (420, 1698), (444, 1746), (566, 1920), (581, 1950), (606, 2001), (627, 2022), (660, 2070), (680, 2112), (697, 2142), (745, 2214), (814, 2301), (1012, 2535), (1015, 2541),

Gene: Ekko14_3 Start: 1062, Stop: 2522, Start Num: 106
Candidate Starts for Ekko14_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (501, 1779), (540, 1857), (546, 1872), (557, 1890), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (705, 2148), (711, 2160), (749, 2211), (785, 2268), (788, 2274), (791, 2283), (799, 2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: ElectricPheel_5 Start: 874, Stop: 2364, Start Num: 104
Candidate Starts for ElectricPheel_5:
(Start: 104 @874 has 38 MA's), (145, 919), (Start: 207 @1021 has 1 MA's), (220, 1048), (257, 1099), (261, 1111), (267, 1141), (271, 1153), (276, 1168), (303, 1234), (324, 1279), (384, 1366), (393, 1390), (394, 1393), (395, 1396), (408, 1441), (415, 1465), (417, 1474), (456, 1540), (505, 1603), (513, 1615), (540, 1657), (549, 1675), (583, 1735), (615, 1792), (636, 1804), (660, 1846), (697, 1924), (732, 1978), (776, 2044), (780, 2053), (836, 2128), (841, 2137), (861, 2164), (914, 2221), (948, 2275), (999, 2347),

Gene: Elesar_5 Start: 1971, Stop: 3668, Start Num: 112
Candidate Starts for Elesar_5:
(Start: 68 @1911 has 4 MA's), (Start: 112 @1971 has 27 MA's), (185, 2091), (Start: 198 @2112 has 7 MA's), (222, 2160), (258, 2205), (259, 2208), (269, 2250), (275, 2268), (276, 2271), (283, 2292), (335, 2397), (375, 2451), (410, 2565), (449, 2646), (540, 2877), (572, 2943), (579, 2958), (625, 3033), (660,

3105), (668, 3129), (674, 3138), (685, 3168), (697, 3186), (720, 3228), (776, 3300), (806, 3339), (831, 3384), (884, 3432), (903, 3459), (905, 3462), (910, 3468), (925, 3489), (945, 3519), (950, 3531), (1004, 3609), (1026, 3657),

Gene: Elkhorn_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Elkhorn_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (220, 974), (257, 1025), (261, 1037), (267, 1067), (271, 1079), (276, 1094), (303, 1160), (324, 1205), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (415, 1391), (417, 1400), (456, 1466), (505, 1529), (513, 1541), (540, 1583), (549, 1601), (583, 1661), (615, 1718), (636, 1730), (651, 1754), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (780, 1979), (836, 2054), (841, 2063), (861, 2090), (914, 2147), (948, 2201), (999, 2273),

Gene: Ellie_5 Start: 1213, Stop: 2637, Start Num: 164
Candidate Starts for Ellie_5:
(89, 1129), (Start: 156 @1201 has 11 MA's), (Start: 164 @1213 has 155 MA's), (Start: 210 @1300 has 1 MA's), (Start: 223 @1324 has 16 MA's), (255, 1408), (259, 1417), (271, 1465), (277, 1483), (288, 1501), (304, 1552), (358, 1627), (360, 1630), (404, 1747), (407, 1756), (408, 1759), (420, 1789), (444, 1837), (537, 1951), (561, 1999), (566, 2011), (581, 2041), (594, 2065), (601, 2077), (602, 2080), (606, 2092), (660, 2161), (680, 2203), (697, 2233), (745, 2305), (767, 2338), (771, 2347), (814, 2392), (952, 2569), (1012, 2626), (1015, 2632),

Gene: Ellson_5 Start: 1202, Stop: 2767, Start Num: 84
Candidate Starts for Ellson_5:
(Start: 50 @1151 has 4 MA's), (57, 1160), (Start: 84 @1202 has 63 MA's), (Start: 88 @1208 has 18 MA's), (199, 1379), (257, 1484), (259, 1490), (261, 1496), (317, 1652), (321, 1661), (322, 1664), (324, 1667), (372, 1742), (391, 1796), (393, 1799), (394, 1802), (509, 2033), (553, 2108), (564, 2129), (566, 2135), (578, 2162), (608, 2204), (642, 2228), (654, 2246), (660, 2261), (717, 2375), (743, 2414), (747, 2420), (799, 2486), (833, 2540), (856, 2576), (865, 2588), (909, 2627), (977, 2714), (1012, 2759), (1014, 2762),

Gene: Elspeth_3 Start: 1062, Stop: 2522, Start Num: 106
Candidate Starts for Elspeth_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (501, 1779), (540, 1857), (546, 1872), (557, 1890), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (705, 2148), (711, 2160), (749, 2211), (785, 2268), (788, 2274), (791, 2283), (799, 2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: Elva_4 Start: 1014, Stop: 2639, Start Num: 127
Candidate Starts for Elva_4:
(Start: 127 @1014 has 74 MA's), (222, 1170), (261, 1224), (275, 1278), (309, 1362), (324, 1398), (335, 1407), (394, 1512), (395, 1515), (410, 1575), (416, 1593), (417, 1596), (430, 1623), (447, 1653), (523, 1815), (652, 2031), (688, 2106), (697, 2121), (925, 2472),

Gene: Emerson_8 Start: 1593, Stop: 3017, Start Num: 164
Candidate Starts for Emerson_8:
(98, 1521), (Start: 156 @1581 has 11 MA's), (Start: 164 @1593 has 155 MA's), (Start: 223 @1704 has 16 MA's), (224, 1710), (255, 1788), (259, 1797), (271, 1845), (277, 1863), (304, 1932), (336, 1974), (341, 1980), (358, 2007), (360, 2010), (404, 2127), (407, 2136), (444, 2217), (537, 2331), (561, 2379), (566, 2391), (581, 2421), (594, 2445), (601, 2457), (658, 2535), (660, 2541), (745, 2688), (767, 2721), (814, 2775), (952, 2952), (1012, 3006),

Gene: EmiRose_2 Start: 963, Stop: 2567, Start Num: 53
Candidate Starts for EmiRose_2:
(Start: 53 @963 has 1 MA's), (Start: 135 @1083 has 10 MA's), (166, 1125), (177, 1146), (218, 1218), (225, 1236), (257, 1287), (305, 1431), (422, 1668), (433, 1692), (442, 1707), (490, 1770), (508, 1821), (546, 1893), (691, 2109), (745, 2202), (760, 2226), (769, 2241), (811, 2289), (833, 2325), (859, 2364),

Gene: Emmaloid_3 Start: 798, Stop: 2159, Start Num: 223
Candidate Starts for Emmaloid_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (224, 804), (240, 846), (241, 852), (253, 885), (257, 891), (259, 897), (268, 936), (276, 960), (287, 978), (288, 981), (302, 1023), (310, 1044), (333, 1071), (337, 1080), (342, 1089), (344, 1092), (374, 1143), (400, 1221), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (441, 1323), (445, 1329), (495, 1398), (496, 1404), (513, 1437), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (684, 1743), (714, 1788), (766, 1860), (800, 1899), (823, 1935), (826, 1941), (842, 1965), (882, 1995), (888, 2001), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: Emperor_2 Start: 438, Stop: 1862, Start Num: 148
Candidate Starts for Emperor_2:
(Start: 110 @417 has 8 MA's), (Start: 148 @438 has 5 MA's), (Start: 207 @534 has 1 MA's), (220, 561), (257, 606), (259, 612), (261, 618), (266, 645), (277, 678), (304, 744), (345, 834), (394, 915), (524, 1146), (685, 1410), (746, 1503), (767, 1536), (776, 1548), (994, 1842),

Gene: Enby_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Enby_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Enceladus_4 Start: 1053, Stop: 2636, Start Num: 84
Candidate Starts for Enceladus_4:
(Start: 84 @1053 has 63 MA's), (Start: 88 @1059 has 18 MA's), (199, 1230), (245, 1317), (257, 1335), (259, 1341), (267, 1377), (322, 1515), (324, 1518), (372, 1593), (393, 1650), (394, 1653), (481, 1821), (503, 1875), (509, 1884), (517, 1899), (529, 1920), (553, 1959), (564, 1980), (566, 1986), (578, 2013), (608, 2055), (642, 2079), (654, 2097), (658, 2106), (660, 2112), (675, 2145), (692, 2178), (711, 2217), (714, 2223), (717, 2226), (747, 2271), (799, 2337), (830, 2388), (845, 2412), (856, 2427), (857, 2430), (952, 2532), (972, 2559), (1012, 2610), (1014, 2613),

Gene: EniyanLRS_23 Start: 7822, Stop: 9435, Start Num: 95
Candidate Starts for EniyanLRS_23:
(Start: 95 @7822 has 6 MA's), (199, 7972), (Start: 210 @7990 has 1 MA's), (225, 8023), (229, 8035), (260, 8086), (261, 8089), (273, 8137), (275, 8143), (293, 8182), (294, 8185), (304, 8218), (340, 8287), (378, 8353), (383, 8371), (391, 8395), (394, 8401), (433, 8506), (460, 8548), (479, 8566), (483, 8575), (592, 8779), (596, 8785), (622, 8818), (711, 8983), (717, 8992), (722, 8998), (723, 9001), (766, 9076), (797, 9109), (806, 9124), (856, 9205), (972, 9358), (991, 9379), (993, 9382),

Gene: Enkosi_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for Enkosi_4:
(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341,

1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: Enochoraptor_2 Start: 385, Stop: 1896, Start Num: 153
Candidate Starts for Enochoraptor_2:
(Start: 153 @385 has 47 MA's), (177, 424), (186, 442), (206, 469), (214, 487), (225, 514), (226, 517), (254, 565), (259, 574), (261, 580), (267, 610), (272, 625), (288, 658), (295, 676), (303, 700), (304, 706), (321, 745), (326, 754), (328, 757), (344, 796), (345, 799), (372, 859), (378, 868), (393, 913), (394, 916), (400, 937), (404, 952), (407, 961), (409, 973), (426, 1012), (444, 1048), (446, 1051), (448, 1054), (464, 1075), (521, 1162), (540, 1186), (556, 1213), (566, 1234), (605, 1300), (738, 1510), (754, 1537), (768, 1558), (771, 1564), (784, 1576), (818, 1609), (827, 1627), (830, 1633), (849, 1663), (863, 1678), (885, 1711), (887, 1714), (897, 1726), (956, 1813), (986, 1849), (1010, 1882), (1014, 1888),

Gene: Enoki_2 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for Enoki_2:
(Start: 151 @370 has 1 MA's), (Start: 153 @373 has 47 MA's), (Start: 162 @385 has 5 MA's), (177, 412), (186, 430), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (267, 598), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (426, 1000), (434, 1021), (446, 1039), (448, 1042), (455, 1048), (464, 1063), (504, 1129), (506, 1132), (540, 1174), (556, 1201), (566, 1222), (605, 1288), (635, 1321), (654, 1351), (673, 1393), (723, 1480), (734, 1492), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (819, 1600), (827, 1615), (830, 1621), (844, 1642), (860, 1663), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (951, 1792), (956, 1801), (959, 1807), (969, 1816), (1010, 1870), (1014, 1876),

Gene: EpicDab_2 Start: 546, Stop: 1865, Start Num: 207
Candidate Starts for EpicDab_2:
(Start: 110 @429 has 8 MA's), (Start: 148 @450 has 5 MA's), (Start: 207 @546 has 1 MA's), (257, 618), (261, 630), (272, 675), (304, 759), (310, 771), (347, 837), (408, 963), (432, 1026), (496, 1092), (513, 1125), (566, 1218), (603, 1287), (668, 1383), (691, 1428), (808, 1584), (841, 1641), (847, 1650), (884, 1695), (973, 1827), (996, 1851),

Gene: Eponine_9 Start: 2470, Stop: 3915, Start Num: 164
Candidate Starts for Eponine_9:
(Start: 164 @2470 has 155 MA's), (Start: 223 @2575 has 16 MA's), (255, 2659), (259, 2668), (271, 2716), (288, 2758), (304, 2809), (313, 2827), (341, 2857), (358, 2884), (391, 2962), (404, 3004), (407, 3013), (408, 3016), (444, 3094), (450, 3103), (494, 3142), (537, 3208), (561, 3256), (581, 3298), (594, 3322), (660, 3415), (678, 3457), (697, 3502), (743, 3571), (771, 3616), (782, 3631), (797, 3637), (814, 3661), (952, 3838), (1012, 3904), (1015, 3910),

Gene: Erin_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Erin_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: EstebanJulior_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for EstebanJulior_2:
(Start: 75 @426 has 75 MA's), (Start: 216 @636 has 4 MA's), (259, 696), (267, 732), (275, 756), (283, 780), (334, 882), (362, 942), (393, 1011), (395, 1017), (410, 1077), (436, 1137), (459, 1173), (499,

1236), (519, 1266), (572, 1362), (623, 1449), (676, 1524), (691, 1557), (709, 1593), (767, 1668), (780, 1689), (782, 1692), (831, 1755), (843, 1779), (925, 1857), (1010, 1977),

Gene: Estes_19 Start: 5466, Stop: 7007, Start Num: 112
Candidate Starts for Estes_19:
(Start: 112 @5466 has 27 MA's), (Start: 114 @5469 has 1 MA's), (224, 5652), (231, 5670), (252, 5703), (258, 5712), (275, 5775), (304, 5850), (391, 6003), (403, 6042), (446, 6135), (460, 6156), (546, 6303), (576, 6363), (692, 6510), (705, 6537), (747, 6615), (797, 6675), (814, 6702), (995, 6957),

Gene: Etoile_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Etoile_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Eula_3 Start: 676, Stop: 2304, Start Num: 127
Candidate Starts for Eula_3:
(Start: 127 @676 has 74 MA's), (222, 832), (275, 940), (309, 1024), (318, 1048), (334, 1066), (375, 1123), (394, 1174), (395, 1177), (410, 1237), (416, 1255), (430, 1285), (447, 1315), (688, 1771), (697, 1786), (925, 2137), (1026, 2293),

Gene: Eunoia_2 Start: 429, Stop: 1994, Start Num: 75
Candidate Starts for Eunoia_2:
(Start: 75 @429 has 75 MA's), (Start: 196 @600 has 2 MA's), (257, 693), (275, 759), (283, 783), (305, 837), (375, 966), (410, 1080), (436, 1140), (456, 1170), (519, 1269), (526, 1284), (572, 1365), (623, 1452), (676, 1527), (677, 1530), (691, 1560), (749, 1644), (780, 1692), (807, 1716), (884, 1806), (925, 1860), (973, 1941), (1010, 1980),

Gene: Evanesce_5 Start: 1894, Stop: 3489, Start Num: 82
Candidate Starts for Evanesce_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: EvenBluerMoon_3 Start: 1241, Stop: 2836, Start Num: 110
Candidate Starts for EvenBluerMoon_3:
(Start: 110 @1241 has 8 MA's), (267, 1499), (275, 1523), (277, 1529), (410, 1820), (423, 1850), (449, 1901), (456, 1910), (515, 2012), (520, 2024), (581, 2147), (668, 2276), (793, 2504), (818, 2546), (1012, 2825),

Gene: Eyes_2 Start: 522, Stop: 2105, Start Num: 116
Candidate Starts for Eyes_2:
(Start: 116 @522 has 12 MA's), (Start: 191 @624 has 1 MA's), (288, 840), (304, 888), (336, 948), (356, 960), (393, 1050), (407, 1098), (431, 1155), (520, 1299), (542, 1350), (628, 1506), (658, 1554), (667, 1578), (714, 1665), (799, 1785), (811, 1803), (850, 1872), (862, 1887), (878, 1911),

Gene: Eyre_2 Start: 528, Stop: 2045, Start Num: 156
Candidate Starts for Eyre_2:

(147, 516), (Start: 156 @528 has 11 MA's), (197, 600), (206, 609), (249, 696), (264, 735), (267, 750), (351, 939), (409, 1080), (442, 1143), (490, 1200), (520, 1272), (550, 1329), (566, 1359), (597, 1416), (658, 1500), (675, 1539), (692, 1572), (697, 1581), (701, 1590), (730, 1644), (736, 1653), (750, 1680), (816, 1761), (836, 1797), (897, 1881), (952, 1962), (956, 1968),

Gene: Fairfaxidum_2 Start: 378, Stop: 1928, Start Num: 127
Candidate Starts for Fairfaxidum_2:
(Start: 93 @333 has 51 MA's), (109, 354), (Start: 116 @363 has 12 MA's), (Start: 127 @378 has 74 MA's), (176, 441), (Start: 196 @477 has 2 MA's), (211, 504), (221, 519), (234, 552), (247, 573), (258, 594), (267, 633), (275, 657), (288, 693), (304, 741), (325, 783), (335, 795), (393, 900), (441, 1020), (520, 1113), (537, 1146), (542, 1164), (628, 1320), (646, 1341), (655, 1359), (689, 1431), (717, 1479), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (811, 1614), (862, 1701), (892, 1743), (931, 1794), (1012, 1911), (1015, 1917),

Gene: Faith1_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Faith1_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Faith5x5_2 Start: 473, Stop: 1936, Start Num: 178
Candidate Starts for Faith5x5_2:
(134, 422), (139, 428), (Start: 156 @437 has 11 MA's), (Start: 178 @473 has 1 MA's), (Start: 191 @497 has 1 MA's), (204, 524), (Start: 210 @536 has 1 MA's), (217, 548), (235, 590), (241, 611), (257, 650), (258, 653), (274, 713), (283, 734), (288, 740), (290, 743), (304, 791), (309, 800), (310, 803), (374, 911), (386, 947), (394, 968), (401, 995), (407, 1013), (408, 1016), (422, 1058), (428, 1067), (495, 1154), (496, 1160), (530, 1205), (556, 1256), (561, 1265), (563, 1268), (579, 1307), (581, 1310), (598, 1340), (645, 1391), (658, 1412), (660, 1418), (684, 1475), (692, 1490), (695, 1493), (715, 1526), (755, 1592), (758, 1595), (810, 1658), (827, 1688), (847, 1727), (857, 1730), (880, 1754), (892, 1766), (895, 1769), (945, 1835), (948, 1844), (950, 1847), (952, 1853), (969, 1877), (1007, 1922), (1012, 1925),

Gene: Faiyaz_9 Start: 4674, Stop: 6299, Start Num: 68
Candidate Starts for Faiyaz_9:
(24, 4593), (29, 4611), (49, 4650), (58, 4662), (Start: 63 @4668 has 1 MA's), (Start: 68 @4674 has 4 MA's), (Start: 73 @4680 has 1 MA's), (Start: 193 @4848 has 2 MA's), (200, 4860), (204, 4872), (275, 5016), (302, 5112), (304, 5121), (346, 5199), (349, 5205), (387, 5262), (393, 5277), (419, 5367), (435, 5400), (436, 5403), (505, 5475), (535, 5532), (556, 5580), (566, 5601), (570, 5613), (575, 5625), (589, 5649), (601, 5673), (603, 5679), (651, 5736), (660, 5754), (709, 5856), (740, 5898), (777, 5961), (781, 5970), (786, 5976), (846, 6090), (874, 6102), (894, 6120), (924, 6162), (949, 6204), (957, 6219),

Gene: Familton_31 Start: 13080, Stop: 14594, Start Num: 86
Candidate Starts for Familton_31:
(Start: 86 @13080 has 18 MA's), (Start: 88 @13083 has 18 MA's), (Start: 210 @13263 has 1 MA's), (245, 13356), (270, 13431), (283, 13464), (295, 13491), (304, 13521), (391, 13674), (394, 13680), (404, 13716), (407, 13725), (444, 13806), (450, 13815), (452, 13818), (495, 13857), (534, 13914), (550, 13950), (553, 13953), (656, 14109), (660, 14118), (692, 14187), (697, 14196), (703, 14202), (722, 14235), (745, 14271), (814, 14358), (825, 14379), (888, 14442), (891, 14445), (894, 14448), (905, 14466), (925, 14487), (952, 14529), (985, 14565), (1005, 14577),

Gene: FarmResident_4 Start: 810, Stop: 2372, Start Num: 84
Candidate Starts for FarmResident_4:

(Start: 84 @810 has 63 MA's), (Start: 88 @816 has 18 MA's), (190, 966), (225, 1032), (242, 1062), (257, 1086), (262, 1101), (272, 1143), (324, 1269), (394, 1407), (407, 1452), (442, 1527), (481, 1575), (517, 1653), (529, 1674), (542, 1698), (546, 1704), (564, 1734), (566, 1740), (582, 1776), (642, 1833), (660, 1866), (711, 1971), (717, 1980), (735, 2004), (747, 2025), (799, 2091), (865, 2193), (972, 2313), (977, 2319), (995, 2340), (1012, 2364),

Gene: Fefferhead_7 Start: 1383, Stop: 2807, Start Num: 164
Candidate Starts for Fefferhead_7:
(89, 1299), (Start: 156 @1371 has 11 MA's), (Start: 164 @1383 has 155 MA's), (Start: 210 @1470 has 1 MA's), (Start: 223 @1494 has 16 MA's), (255, 1578), (259, 1587), (271, 1635), (277, 1653), (288, 1671), (304, 1722), (358, 1797), (360, 1800), (404, 1917), (407, 1926), (408, 1929), (420, 1959), (444, 2007), (537, 2121), (561, 2169), (566, 2181), (581, 2211), (594, 2235), (602, 2250), (606, 2262), (660, 2331), (680, 2373), (697, 2403), (745, 2475), (767, 2508), (771, 2517), (814, 2562), (1012, 2796), (1015, 2802),

Gene: Fenry_2 Start: 361, Stop: 1929, Start Num: 113
Candidate Starts for Fenry_2:
(Start: 39 @256 has 19 MA's), (Start: 95 @337 has 6 MA's), (Start: 113 @361 has 34 MA's), (Start: 178 @445 has 1 MA's), (Start: 196 @478 has 2 MA's), (221, 520), (227, 538), (234, 553), (247, 574), (258, 595), (267, 634), (288, 694), (301, 730), (304, 742), (327, 787), (335, 796), (360, 823), (393, 901), (431, 1006), (441, 1021), (451, 1036), (520, 1114), (542, 1165), (628, 1321), (655, 1360), (672, 1399), (689, 1432), (696, 1444), (723, 1489), (724, 1492), (728, 1498), (741, 1519), (745, 1528), (747, 1531), (767, 1561), (782, 1585), (801, 1600), (854, 1690), (862, 1702), (892, 1744), (902, 1759), (918, 1780), (931, 1795), (939, 1810), (997, 1891), (1004, 1903), (1012, 1912),

Gene: Feyre_6 Start: 1325, Stop: 2752, Start Num: 172
Candidate Starts for Feyre_6:
(Start: 172 @1325 has 22 MA's), (201, 1382), (Start: 210 @1403 has 1 MA's), (Start: 223 @1427 has 16 MA's), (255, 1511), (259, 1520), (261, 1526), (271, 1568), (277, 1586), (288, 1604), (304, 1655), (311, 1670), (358, 1730), (391, 1808), (404, 1850), (407, 1859), (408, 1862), (444, 1940), (537, 2054), (561, 2102), (581, 2144), (594, 2168), (601, 2180), (617, 2207), (655, 2252), (660, 2264), (741, 2411), (766, 2450), (814, 2507), (827, 2531), (842, 2555), (877, 2579), (950, 2678), (952, 2684), (1012, 2741),

Gene: Finalfrontier_4 Start: 1182, Stop: 2810, Start Num: 127
Candidate Starts for Finalfrontier_4:
(Start: 127 @1182 has 74 MA's), (222, 1338), (275, 1446), (309, 1530), (318, 1554), (334, 1572), (375, 1629), (394, 1680), (395, 1683), (396, 1692), (410, 1743), (416, 1761), (430, 1791), (447, 1821), (688, 2277), (697, 2292), (925, 2643), (1026, 2799),

Gene: Findley_4 Start: 652, Stop: 2076, Start Num: 164
Candidate Starts for Findley_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (201, 712), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (336, 1024), (341, 1030), (358, 1057), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (602, 1510), (660, 1588), (680, 1630), (697, 1660), (713, 1687), (743, 1729), (751, 1744), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (1012, 2065),

Gene: Finemlucis_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Finemlucis_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449),

(865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Finkle_2 Start: 383, Stop: 2002, Start Num: 73
Candidate Starts for Finkle_2:
(Start: 73 @383 has 1 MA's), (Start: 75 @389 has 75 MA's), (221, 605), (234, 638), (271, 731), (374, 920), (393, 974), (404, 1013), (410, 1037), (493, 1172), (520, 1187), (566, 1280), (628, 1394), (655, 1433), (699, 1523), (733, 1580), (835, 1733), (892, 1814), (1010, 1982),

Gene: Finnry_5 Start: 1187, Stop: 2752, Start Num: 84
Candidate Starts for Finnry_5:
(Start: 84 @1187 has 63 MA's), (Start: 88 @1193 has 18 MA's), (199, 1364), (257, 1469), (261, 1481), (317, 1637), (321, 1646), (322, 1649), (324, 1652), (372, 1727), (391, 1781), (393, 1784), (394, 1787), (509, 2018), (553, 2093), (564, 2114), (566, 2120), (608, 2189), (642, 2213), (654, 2231), (660, 2246), (717, 2360), (743, 2399), (747, 2405), (799, 2471), (856, 2561), (865, 2573), (909, 2612), (977, 2699), (1012, 2744), (1014, 2747),

Gene: Fionnbharth_9 Start: 2465, Stop: 3910, Start Num: 164
Candidate Starts for Fionnbharth_9:
(Start: 164 @2465 has 155 MA's), (Start: 223 @2570 has 16 MA's), (255, 2654), (259, 2663), (271, 2711), (276, 2726), (288, 2753), (304, 2804), (313, 2822), (341, 2852), (358, 2879), (391, 2957), (404, 2999), (407, 3008), (408, 3011), (444, 3089), (450, 3098), (494, 3137), (537, 3203), (561, 3251), (581, 3293), (660, 3410), (678, 3452), (697, 3497), (743, 3566), (771, 3611), (797, 3632), (814, 3656), (952, 3833), (1012, 3899), (1015, 3905),

Gene: Firecracker_31 Start: 13153, Stop: 14664, Start Num: 88
Candidate Starts for Firecracker_31:
(Start: 86 @13150 has 18 MA's), (Start: 88 @13153 has 18 MA's), (Start: 210 @13333 has 1 MA's), (245, 13426), (270, 13501), (283, 13534), (295, 13561), (304, 13591), (391, 13744), (394, 13750), (404, 13786), (407, 13795), (444, 13876), (450, 13885), (452, 13888), (495, 13927), (534, 13984), (550, 14020), (553, 14023), (656, 14179), (660, 14188), (692, 14257), (697, 14266), (703, 14272), (722, 14305), (745, 14341), (814, 14428), (825, 14449), (888, 14512), (891, 14515), (894, 14518), (905, 14536), (925, 14557), (952, 14599), (982, 14632), (985, 14635), (1005, 14647),

Gene: FirstPlacePfu_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for FirstPlacePfu_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Fishburne_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Fishburne_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: FlagStaff_2 Start: 359, Stop: 1903, Start Num: 87
Candidate Starts for FlagStaff_2:
(Start: 87 @359 has 20 MA's), (258, 632), (271, 683), (288, 719), (309, 779), (317, 800), (394, 932), (404, 968), (409, 989), (426, 1019), (444, 1058), (450, 1067), (561, 1220), (602, 1298), (645, 1364), (660, 1391), (714, 1490), (797, 1604), (814, 1628), (825, 1649), (877, 1700), (888, 1715), (952, 1808), (1012, 1892), (1015, 1898),

Gene: FlameThrower_3 Start: 871, Stop: 2436, Start Num: 127
Candidate Starts for FlameThrower_3:
(Start: 127 @871 has 74 MA's), (222, 1027), (275, 1135), (305, 1213), (310, 1222), (321, 1249), (375, 1318), (394, 1369), (410, 1432), (447, 1510), (579, 1783), (668, 1921), (748, 2050), (749, 2053), (959, 2353), (982, 2383), (1018, 2428),

Gene: Flathead_3 Start: 670, Stop: 2157, Start Num: 154
Candidate Starts for Flathead_3:
(Start: 131 @658 has 3 MA's), (Start: 154 @670 has 76 MA's), (Start: 223 @796 has 16 MA's), (224, 802), (251, 880), (253, 883), (257, 889), (259, 895), (268, 934), (276, 958), (288, 979), (290, 982), (302, 1021), (310, 1042), (333, 1069), (342, 1087), (344, 1090), (374, 1141), (394, 1198), (400, 1219), (407, 1243), (409, 1255), (420, 1276), (428, 1288), (441, 1321), (445, 1327), (495, 1396), (496, 1402), (513, 1435), (532, 1471), (563, 1531), (566, 1540), (579, 1567), (629, 1645), (684, 1741), (714, 1786), (766, 1858), (800, 1897), (823, 1933), (826, 1939), (842, 1963), (882, 1993), (888, 1999), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101),

Gene: Fluke_5 Start: 3123, Stop: 4688, Start Num: 75
Candidate Starts for Fluke_5:
(Start: 75 @3123 has 75 MA's), (Start: 216 @3333 has 4 MA's), (217, 3336), (267, 3429), (275, 3453), (283, 3477), (387, 3693), (393, 3708), (395, 3714), (410, 3774), (499, 3933), (519, 3963), (526, 3978), (572, 4059), (615, 4137), (623, 4146), (657, 4182), (676, 4221), (691, 4254), (697, 4263), (709, 4290), (754, 4344), (780, 4386), (820, 4431), (831, 4452), (843, 4476), (925, 4554), (1010, 4674),

Gene: Forge_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Forge_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: FoulBall_30 Start: 13077, Stop: 14588, Start Num: 88
Candidate Starts for FoulBall_30:
(Start: 86 @13074 has 18 MA's), (Start: 88 @13077 has 18 MA's), (Start: 210 @13257 has 1 MA's), (245, 13350), (270, 13425), (283, 13458), (295, 13485), (304, 13515), (391, 13668), (394, 13674), (404, 13710), (407, 13719), (444, 13800), (450, 13809), (452, 13812), (495, 13851), (534, 13908), (550, 13944), (553, 13947), (656, 14103), (660, 14112), (692, 14181), (697, 14190), (703, 14196), (722, 14229), (745, 14265), (814, 14352), (825, 14373), (888, 14436), (891, 14439), (894, 14442), (905, 14460), (925, 14481), (952, 14523), (985, 14559), (1005, 14571),

Gene: Francois_6 Start: 1977, Stop: 3407, Start Num: 219
Candidate Starts for Francois_6:
(123, 1809), (126, 1812), (Start: 127 @1815 has 74 MA's), (Start: 131 @1821 has 3 MA's), (Start: 219 @1977 has 15 MA's), (226, 1995), (259, 2058), (275, 2118), (283, 2136), (299, 2175), (302, 2184), (357, 2268), (361, 2277), (394, 2352), (399, 2367), (408, 2400), (440, 2466), (605, 2784), (606, 2787), (618, 2799), (654, 2847), (672, 2889), (699, 2940), (717, 2970), (745, 3018), (762, 3045), (811, 3105), (830, 3138), (836, 3153), (892, 3231), (939, 3294), (941, 3297),

Gene: Frankie_3 Start: 670, Stop: 2157, Start Num: 154
Candidate Starts for Frankie_3:

(Start: 131 @658 has 3 MA's), (Start: 154 @670 has 76 MA's), (Start: 223 @796 has 16 MA's), (224, 802), (240, 844), (241, 850), (253, 883), (257, 889), (259, 895), (268, 934), (276, 958), (287, 976), (288, 979), (302, 1021), (310, 1042), (333, 1069), (337, 1078), (342, 1087), (344, 1090), (374, 1141), (394, 1198), (400, 1219), (407, 1243), (409, 1255), (420, 1276), (428, 1288), (441, 1321), (445, 1327), (495, 1396), (496, 1402), (513, 1435), (532, 1471), (563, 1531), (566, 1540), (579, 1567), (629, 1645), (684, 1741), (714, 1786), (766, 1858), (800, 1897), (823, 1933), (826, 1939), (842, 1963), (882, 1993), (888, 1999), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: Franklin22_2 Start: 667, Stop: 2232, Start Num: 127
Candidate Starts for Franklin22_2:
(Start: 127 @667 has 74 MA's), (Start: 144 @694 has 1 MA's), (222, 823), (275, 931), (277, 937), (309, 1015), (334, 1057), (375, 1114), (394, 1165), (410, 1228), (668, 1717), (759, 1861), (807, 1921), (925, 2089), (968, 2161), (1006, 2203), (1018, 2224),

Gene: FreakyGoo_14 Start: 4719, Stop: 6263, Start Num: 112
Candidate Starts for FreakyGoo_14:
(Start: 112 @4719 has 27 MA's), (143, 4767), (258, 4968), (304, 5106), (403, 5298), (517, 5508), (546, 5559), (582, 5631), (658, 5694), (667, 5718), (675, 5733), (705, 5793), (711, 5805), (743, 5865), (766, 5898), (797, 5931), (814, 5958), (841, 6006), (977, 6192), (995, 6213),

Gene: Frickyeah_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for Frickyeah_3:
(132, 664), (Start: 154 @673 has 76 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (241, 853), (253, 886), (268, 937), (271, 946), (288, 982), (302, 1024), (310, 1045), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (445, 1330), (497, 1411), (530, 1471), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (597, 1603), (640, 1657), (698, 1759), (714, 1786), (823, 1933), (829, 1945), (842, 1963), (925, 2041), (927, 2044), (930, 2047), (960, 2101), (969, 2113),

Gene: Frizzle_1 Start: 60, Stop: 1760, Start Num: 21
Candidate Starts for Frizzle_1:
(17, 21), (Start: 21 @60 has 3 MA's), (187, 345), (258, 459), (290, 549), (294, 564), (302, 588), (324, 642), (391, 750), (396, 768), (417, 840), (435, 876), (454, 906), (515, 966), (584, 1107), (675, 1248), (676, 1251), (677, 1254), (678, 1257), (688, 1278), (697, 1293), (780, 1425), (809, 1479), (822, 1503), (964, 1695),

Gene: FroggyToad_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for FroggyToad_2:
(Start: 93 @318 has 51 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (374, 819), (404, 912), (410, 936), (431, 978), (493, 1071), (520, 1086), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (742, 1500), (745, 1506), (767, 1539), (799, 1575), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (1008, 1872),

Gene: Frokostdame_2 Start: 361, Stop: 1959, Start Num: 113
Candidate Starts for Frokostdame_2:
(Start: 93 @334 has 51 MA's), (109, 355), (Start: 113 @361 has 34 MA's), (Start: 196 @475 has 2 MA's), (201, 484), (221, 517), (227, 535), (234, 550), (247, 571), (258, 592), (272, 646), (275, 655), (288, 691), (301, 727), (304, 739), (325, 781), (327, 784), (431, 1003), (441, 1018), (451, 1033), (454, 1036), (520, 1111), (542, 1162), (628, 1318), (646, 1339), (648, 1342), (689, 1429), (696, 1441), (714, 1474), (717, 1477), (741, 1516), (743, 1522), (745, 1525), (799, 1594), (801, 1597), (835, 1657), (836, 1660), (841, 1669), (892, 1738), (902, 1753), (1023, 1942),

Gene: Frosty24_2 Start: 359, Stop: 1891, Start Num: 87

Candidate Starts for Frosty24_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Fryberger_34 Start: 9845, Stop: 11251, Start Num: 179
Candidate Starts for Fryberger_34:
(143, 9788), (Start: 179 @9845 has 6 MA's), (244, 9971), (266, 10031), (269, 10040), (303, 10124), (327, 10178), (393, 10304), (395, 10310), (400, 10328), (420, 10394), (437, 10427), (453, 10448), (484, 10481), (500, 10526), (566, 10619), (617, 10697), (652, 10742), (661, 10760), (705, 10823), (707, 10829), (802, 10955), (829, 11000), (840, 11018), (977, 11192),

Gene: Fulbright_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Fulbright_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: G4_3 Start: 956, Stop: 2410, Start Num: 156
Candidate Starts for G4_3:
(Start: 156 @956 has 11 MA's), (158, 959), (Start: 210 @1058 has 1 MA's), (224, 1085), (235, 1112), (238, 1121), (251, 1163), (259, 1178), (269, 1220), (288, 1262), (309, 1322), (317, 1340), (390, 1460), (407, 1517), (412, 1535), (428, 1562), (561, 1760), (563, 1763), (565, 1769), (581, 1802), (658, 1907), (782, 2126), (819, 2165), (1005, 2396),

Gene: GEazy_2 Start: 522, Stop: 2105, Start Num: 116
Candidate Starts for GEazy_2:
(91, 489), (97, 498), (Start: 116 @522 has 12 MA's), (272, 807), (288, 840), (304, 888), (336, 948), (356, 960), (393, 1050), (431, 1155), (520, 1299), (542, 1350), (589, 1446), (628, 1506), (658, 1554), (667, 1578), (714, 1665), (769, 1755), (799, 1785), (811, 1803), (850, 1872), (862, 1887), (878, 1911),

Gene: GMA5_2 Start: 466, Stop: 1860, Start Num: 148
Candidate Starts for GMA5_2:
(Start: 148 @466 has 5 MA's), (Start: 207 @559 has 1 MA's), (271, 685), (277, 703), (302, 763), (304, 772), (305, 775), (352, 859), (391, 922), (394, 928), (408, 976), (429, 1030), (513, 1132), (578, 1243), (656, 1348), (672, 1387), (675, 1393), (796, 1567), (843, 1642), (922, 1741), (994, 1846),

Gene: GRU3_2 Start: 495, Stop: 1916, Start Num: 148
Candidate Starts for GRU3_2:
(Start: 148 @495 has 5 MA's), (Start: 207 @588 has 1 MA's), (220, 615), (258, 663), (261, 672), (267, 702), (271, 714), (283, 750), (296, 774), (302, 792), (304, 801), (394, 963), (408, 1011), (432, 1074), (656, 1389), (663, 1404), (672, 1428), (821, 1647), (843, 1692), (865, 1719), (907, 1770), (922, 1791),

Gene: Gabbspett_3 Start: 1176, Stop: 2636, Start Num: 106
Candidate Starts for Gabbspett_3:
(Start: 106 @1176 has 126 MA's), (Start: 111 @1182 has 9 MA's), (217, 1344), (222, 1353), (258, 1413), (278, 1482), (290, 1503), (305, 1554), (409, 1758), (501, 1893), (540, 1971), (546, 1986), (567, 2022), (588, 2064), (605, 2097), (621, 2115), (692, 2235), (694, 2238), (699, 2250), (749, 2325), (788,

2388), (791, 2397), (799, 2406), (801, 2409), (919, 2571), (928, 2580), (934, 2589), (955, 2628),

Gene: Gabriela_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Gabriela_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Gack_2 Start: 703, Stop: 2268, Start Num: 127
Candidate Starts for Gack_2:
(Start: 127 @703 has 74 MA's), (Start: 144 @730 has 1 MA's), (222, 859), (275, 967), (277, 973), (280, 982), (309, 1051), (334, 1093), (375, 1150), (394, 1201), (410, 1264), (469, 1384), (579, 1615), (668, 1753), (748, 1882), (925, 2125), (1006, 2239), (1018, 2260),

Gene: Galaxy_3 Start: 758, Stop: 2338, Start Num: 135
Candidate Starts for Galaxy_3:
(Start: 81 @692 has 7 MA's), (Start: 135 @758 has 10 MA's), (161, 794), (Start: 198 @854 has 7 MA's), (202, 863), (270, 995), (275, 1010), (283, 1034), (295, 1055), (375, 1193), (394, 1244), (396, 1256), (410, 1307), (415, 1319), (449, 1388), (474, 1448), (488, 1478), (491, 1487), (523, 1550), (651, 1766), (657, 1778), (676, 1817), (688, 1844), (697, 1859), (711, 1889), (747, 1928), (751, 1937), (759, 1946), (810, 2036), (825, 2063), (903, 2177), (950, 2246),

Gene: Gambino_2 Start: 361, Stop: 1959, Start Num: 113
Candidate Starts for Gambino_2:
(Start: 93 @334 has 51 MA's), (Start: 113 @361 has 34 MA's), (Start: 196 @475 has 2 MA's), (201, 484), (221, 517), (227, 535), (234, 550), (247, 571), (258, 592), (272, 646), (275, 655), (288, 691), (301, 727), (304, 739), (325, 781), (327, 784), (431, 1003), (441, 1018), (451, 1033), (454, 1036), (520, 1111), (542, 1162), (628, 1318), (646, 1339), (648, 1342), (689, 1429), (696, 1441), (714, 1474), (717, 1477), (741, 1516), (743, 1522), (745, 1525), (799, 1594), (801, 1597), (835, 1657), (836, 1660), (841, 1669), (892, 1738), (902, 1753), (1023, 1942),

Gene: Gancho_4 Start: 1561, Stop: 3195, Start Num: 39
Candidate Starts for Gancho_4:
(Start: 39 @1561 has 19 MA's), (Start: 82 @1600 has 6 MA's), (133, 1648), (234, 1819), (256, 1858), (323, 2038), (332, 2047), (336, 2056), (372, 2119), (376, 2125), (402, 2209), (403, 2212), (404, 2215), (451, 2311), (454, 2314), (459, 2323), (520, 2389), (535, 2419), (546, 2446), (565, 2479), (569, 2500), (571, 2503), (629, 2599), (646, 2620), (689, 2710), (713, 2752), (724, 2770), (728, 2776), (767, 2839), (769, 2845), (771, 2848), (811, 2893), (815, 2899), (830, 2926), (836, 2941), (871, 2992), (878, 3001), (889, 3016), (892, 3019), (918, 3058), (931, 3073), (939, 3088), (941, 3091), (1004, 3169), (1010, 3175),

Gene: Ganymede_8 Start: 1613, Stop: 3034, Start Num: 164
Candidate Starts for Ganymede_8:
(98, 1541), (Start: 156 @1601 has 11 MA's), (Start: 164 @1613 has 155 MA's), (Start: 223 @1724 has 16 MA's), (224, 1730), (255, 1808), (259, 1817), (271, 1865), (277, 1883), (304, 1952), (336, 1994), (341, 2000), (358, 2027), (360, 2030), (404, 2147), (407, 2156), (444, 2237), (537, 2351), (561, 2399), (566, 2411), (581, 2441), (594, 2465), (601, 2477), (658, 2555), (660, 2561), (745, 2705), (767, 2738), (814, 2792), (952, 2969), (1012, 3023),

Gene: Gardann_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Gardann_4:

(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: GardenSalsa_18 Start: 5300, Stop: 6841, Start Num: 112
Candidate Starts for GardenSalsa_18:
(Start: 112 @5300 has 27 MA's), (Start: 114 @5303 has 1 MA's), (224, 5486), (231, 5504), (252, 5537), (258, 5546), (275, 5609), (304, 5684), (391, 5837), (403, 5876), (446, 5969), (460, 5990), (546, 6137), (576, 6197), (705, 6371), (747, 6449), (797, 6509), (814, 6536), (995, 6791),

Gene: Gardevoir_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Gardevoir_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Gavriela_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for Gavriela_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (658, 1522), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: GemG_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for GemG_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: GenevaB15_18 Start: 5321, Stop: 6862, Start Num: 112
Candidate Starts for GenevaB15_18:
(Start: 112 @5321 has 27 MA's), (Start: 114 @5324 has 1 MA's), (224, 5507), (231, 5525), (252, 5558), (258, 5567), (304, 5705), (391, 5858), (403, 5897), (446, 5990), (460, 6011), (546, 6158), (576, 6218), (692, 6365), (705, 6392), (747, 6470), (797, 6530), (814, 6557), (995, 6812),

Gene: Gengar_6 Start: 1351, Stop: 2778, Start Num: 172
Candidate Starts for Gengar_6:
(89, 1258), (Start: 172 @1351 has 22 MA's), (201, 1408), (Start: 210 @1429 has 1 MA's), (Start: 223 @1453 has 16 MA's), (255, 1537), (259, 1546), (261, 1552), (271, 1594), (277, 1612), (288, 1630), (304, 1681), (358, 1756), (391, 1834), (404, 1876), (407, 1885), (408, 1888), (444, 1966), (537, 2080), (561, 2128), (581, 2170), (594, 2194), (601, 2206), (617, 2233), (655, 2278), (660, 2290), (741, 2437), (766, 2476), (814, 2533), (827, 2557), (842, 2581), (877, 2605), (950, 2704), (952, 2710), (1012, 2767),

Gene: Geraldini_8 Start: 1616, Stop: 3037, Start Num: 164
Candidate Starts for Geraldini_8:
(98, 1544), (Start: 156 @1604 has 11 MA's), (Start: 164 @1616 has 155 MA's), (Start: 223 @1727 has 16 MA's), (224, 1733), (255, 1811), (259, 1820), (271, 1868), (277, 1886), (304, 1955), (336, 1997), (341, 2003), (358, 2030), (360, 2033), (404, 2150), (407, 2159), (537, 2354), (561, 2402), (566, 2414),

(581, 2444), (594, 2468), (601, 2480), (658, 2558), (660, 2564), (745, 2708), (767, 2741), (814, 2795), (952, 2972), (1012, 3026),

Gene: Getalong_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for Getalong_3:
(132, 664), (Start: 154 @673 has 76 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (241, 853), (253, 886), (268, 937), (271, 946), (288, 982), (302, 1024), (310, 1045), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (408, 1249), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (445, 1330), (495, 1399), (497, 1411), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (617, 1636), (640, 1657), (698, 1759), (714, 1786), (829, 1945), (842, 1963), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: Gex_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Gex_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Ghobes_1 Start: 60, Stop: 1760, Start Num: 21
Candidate Starts for Ghobes_1:
(17, 21), (Start: 21 @60 has 3 MA's), (187, 345), (Start: 216 @399 has 4 MA's), (258, 459), (294, 564), (302, 588), (324, 642), (391, 750), (413, 825), (417, 840), (435, 876), (454, 906), (515, 966), (584, 1107), (675, 1248), (676, 1251), (677, 1254), (678, 1257), (688, 1278), (697, 1293), (780, 1425), (809, 1479), (822, 1503), (964, 1695),

Gene: Gideon_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for Gideon_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Giles_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Giles_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Gillker_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Gillker_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Girafales_3 Start: 672, Stop: 2159, Start Num: 154
Candidate Starts for Girafales_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (218, 789), (Start: 223 @798 has 16 MA's), (225, 807), (251, 882), (253, 885), (257, 891), (268, 936), (269, 939), (276, 960), (287, 978), (333, 1071), (342, 1089), (344, 1092), (358, 1116), (394, 1200), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (439, 1317), (445, 1329), (496, 1404), (511, 1434), (513, 1437), (537, 1482), (563, 1533), (566, 1542), (579, 1569), (597, 1602), (629, 1647), (658, 1680), (815, 1920), (823, 1935), (826, 1941), (842, 1965), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: Gisselle_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Gisselle_2:
(Start: 75 @426 has 75 MA's), (168, 549), (257, 690), (259, 696), (270, 741), (275, 756), (277, 762), (283, 780), (393, 1011), (395, 1017), (410, 1077), (499, 1236), (519, 1266), (526, 1281), (581, 1380), (615, 1440), (623, 1449), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (831, 1755), (925, 1857), (1010, 1977),

Gene: Gizermo_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Gizermo_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Glaske_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for Glaske_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (658, 1522), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: Glaske16_15 Start: 4718, Stop: 6262, Start Num: 112
Candidate Starts for Glaske16_15:
(Start: 112 @4718 has 27 MA's), (143, 4766), (258, 4967), (304, 5105), (403, 5297), (517, 5507), (546, 5558), (582, 5630), (658, 5693), (667, 5717), (675, 5732), (705, 5792), (711, 5804), (743, 5864), (766, 5897), (797, 5930), (814, 5957), (841, 6005), (977, 6191), (995, 6212),

Gene: Glenn_5 Start: 3133, Stop: 4698, Start Num: 75
Candidate Starts for Glenn_5:
(Start: 75 @3133 has 75 MA's), (Start: 216 @3343 has 4 MA's), (217, 3346), (257, 3397), (275, 3463), (283, 3487), (387, 3703), (391, 3715), (393, 3718), (395, 3724), (410, 3784), (436, 3844), (443, 3856), (499, 3943), (519, 3973), (526, 3988), (572, 4069), (615, 4147), (623, 4156), (657, 4192), (676, 4231), (691, 4264), (697, 4273), (709, 4300), (754, 4354), (780, 4396), (820, 4441), (831, 4462), (843, 4486), (925, 4564), (1010, 4684),

Gene: Glotell_2 Start: 370, Stop: 1992, Start Num: 96
Candidate Starts for Glotell_2:
(Start: 81 @349 has 7 MA's), (Start: 96 @370 has 8 MA's), (257, 601), (258, 604), (261, 613), (269, 649), (275, 667), (305, 745), (375, 850), (410, 964), (419, 988), (436, 1024), (449, 1045), (459, 1060), (481, 1120), (523, 1204), (651, 1420), (657, 1432), (670, 1459), (688, 1498), (691, 1504), (711, 1543), (737, 1570), (747, 1582), (767, 1615), (776, 1627), (793, 1660), (903, 1831), (950, 1900), (952, 1906), (964, 1927), (982, 1948), (1010, 1978), (1012, 1981), (1014, 1984),

Gene: Godfather_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Godfather_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Goib_8 Start: 3467, Stop: 5074, Start Num: 108
Candidate Starts for Goib_8:
(Start: 50 @3389 has 4 MA's), (Start: 108 @3467 has 6 MA's), (259, 3695), (283, 3779), (295, 3800), (302, 3821), (375, 3959), (395, 4013), (421, 4100), (423, 4103), (436, 4133), (523, 4238), (572, 4340), (642, 4463), (682, 4550), (688, 4565), (697, 4580), (740, 4643), (787, 4712), (806, 4754), (820, 4778), (847, 4829), (848, 4832), (873, 4865), (925, 4931), (954, 4982), (1015, 5060), (1019, 5066),

Gene: GoldenAsh_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for GoldenAsh_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: GoldenBlanche_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for GoldenBlanche_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Gomashi_2 Start: 456, Stop: 1892, Start Num: 173
Candidate Starts for Gomashi_2:
(Start: 87 @360 has 20 MA's), (Start: 173 @456 has 42 MA's), (Start: 175 @459 has 3 MA's), (Start: 191 @495 has 1 MA's), (Start: 210 @534 has 1 MA's), (271, 696), (304, 783), (309, 792), (317, 810), (335, 822), (394, 942), (404, 978), (409, 999), (420, 1020), (444, 1068), (450, 1077), (561, 1230), (591, 1290), (602, 1308), (645, 1359), (660, 1386), (666, 1401), (667, 1404), (714, 1485), (742, 1530), (799, 1605), (814, 1623), (825, 1644), (872, 1689), (886, 1707), (888, 1710), (952, 1803), (1014, 1884),

Gene: Gonephishing_10 Start: 4236, Stop: 5768, Start Num: 152
Candidate Starts for Gonephishing_10:
(91, 4152), (Start: 122 @4194 has 2 MA's), (128, 4203), (Start: 152 @4236 has 34 MA's), (224, 4350), (246, 4413), (260, 4446), (261, 4449), (270, 4488), (272, 4494), (302, 4569), (317, 4605), (371, 4680), (373, 4683), (386, 4719), (398, 4752), (534, 5001), (566, 5064), (578, 5091), (674, 5250), (692, 5286), (709, 5316), (714, 5325), (752, 5379), (769, 5403), (952, 5637), (959, 5649),

Gene: Goobery_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Goobery_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: GoodLuckBabe_6 Start: 1957, Stop: 3657, Start Num: 112
Candidate Starts for GoodLuckBabe_6:

(70, 1900), (Start: 96 @1936 has 8 MA's), (Start: 112 @1957 has 27 MA's), (185, 2080), (Start: 198 @2101 has 7 MA's), (222, 2149), (258, 2194), (269, 2239), (275, 2257), (276, 2260), (277, 2263), (375, 2440), (410, 2554), (436, 2614), (449, 2635), (475, 2701), (540, 2866), (572, 2932), (579, 2947), (668, 3118), (691, 3166), (697, 3175), (720, 3217), (749, 3250), (776, 3289), (807, 3331), (884, 3421), (903, 3448), (905, 3451), (910, 3457), (950, 3520), (1004, 3598), (1026, 3646),

Gene: GrandSlam_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for GrandSlam_6:
(123, 1810), (126, 1813), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (299, 2176), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (514, 2599), (606, 2788), (654, 2848), (672, 2890), (699, 2941), (743, 3016), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: Gravaillia_5 Start: 1594, Stop: 3228, Start Num: 39
Candidate Starts for Gravaillia_5:
(Start: 39 @1594 has 19 MA's), (Start: 82 @1633 has 6 MA's), (133, 1681), (234, 1852), (256, 1891), (323, 2071), (332, 2080), (336, 2089), (372, 2152), (376, 2158), (402, 2242), (403, 2245), (404, 2248), (451, 2344), (454, 2347), (459, 2356), (520, 2422), (535, 2452), (546, 2479), (565, 2512), (569, 2533), (571, 2536), (629, 2632), (646, 2653), (689, 2743), (713, 2785), (724, 2803), (728, 2809), (767, 2872), (769, 2878), (771, 2881), (811, 2926), (815, 2932), (830, 2959), (836, 2974), (871, 3025), (878, 3034), (889, 3049), (892, 3052), (918, 3091), (931, 3106), (939, 3121), (941, 3124), (1004, 3202), (1010, 3208),

Gene: Gravel_4 Start: 958, Stop: 2538, Start Num: 135
Candidate Starts for Gravel_4:
(Start: 81 @892 has 7 MA's), (Start: 135 @958 has 10 MA's), (Start: 198 @1054 has 7 MA's), (202, 1063), (Start: 207 @1072 has 1 MA's), (217, 1093), (226, 1117), (257, 1144), (261, 1156), (270, 1195), (275, 1210), (283, 1234), (295, 1255), (396, 1456), (410, 1507), (416, 1525), (436, 1567), (449, 1588), (474, 1648), (488, 1678), (491, 1687), (523, 1750), (657, 1978), (676, 2017), (688, 2044), (697, 2059), (711, 2089), (747, 2128), (793, 2206), (810, 2236), (825, 2263), (950, 2446), (952, 2452), (964, 2473), (1012, 2527),

Gene: GreaseLightnin_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for GreaseLightnin_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: GreenHearts_5 Start: 3132, Stop: 4697, Start Num: 75
Candidate Starts for GreenHearts_5:
(Start: 75 @3132 has 75 MA's), (Start: 198 @3306 has 7 MA's), (Start: 216 @3342 has 4 MA's), (257, 3396), (260, 3405), (267, 3438), (272, 3453), (275, 3462), (334, 3588), (387, 3702), (391, 3714), (393, 3717), (395, 3723), (410, 3783), (436, 3843), (499, 3942), (519, 3972), (526, 3987), (556, 4035), (623, 4155), (676, 4230), (691, 4263), (709, 4299), (767, 4374), (780, 4395), (806, 4416), (843, 4485), (925, 4563), (948, 4602), (964, 4632), (973, 4644), (1010, 4683), (1015, 4692),

Gene: Greenhouse_5 Start: 3101, Stop: 4666, Start Num: 75
Candidate Starts for Greenhouse_5:
(Start: 75 @3101 has 75 MA's), (Start: 198 @3275 has 7 MA's), (Start: 216 @3311 has 4 MA's), (257, 3365), (260, 3374), (267, 3407), (275, 3431), (387, 3671), (393, 3686), (395, 3692), (410, 3752), (436, 3812), (472, 3878), (499, 3911), (519, 3941), (526, 3956), (556, 4004), (623, 4124), (676, 4199), (691,

4232), (767, 4343), (780, 4364), (806, 4385), (843, 4454), (925, 4532), (948, 4571), (964, 4601), (973, 4613), (1010, 4652), (1015, 4661),

Gene: Grizzly_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Grizzly_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (316, 806), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (670, 1409), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Gsput1_5 Start: 1941, Stop: 3626, Start Num: 50
Candidate Starts for Gsput1_5:
(Start: 50 @1941 has 4 MA's), (69, 1968), (Start: 127 @2022 has 74 MA's), (Start: 198 @2133 has 7 MA's), (257, 2223), (259, 2229), (261, 2235), (269, 2271), (272, 2280), (295, 2334), (314, 2385), (375, 2493), (393, 2541), (395, 2547), (419, 2631), (421, 2634), (423, 2637), (436, 2667), (505, 2739), (523, 2772), (555, 2838), (572, 2874), (675, 3069), (740, 3171), (848, 3360), (864, 3378), (873, 3393), (905, 3435), (925, 3459), (964, 3528), (1019, 3618),

Gene: Guacamole_2 Start: 361, Stop: 1929, Start Num: 113
Candidate Starts for Guacamole_2:
(Start: 39 @256 has 19 MA's), (Start: 113 @361 has 34 MA's), (Start: 178 @445 has 1 MA's), (Start: 196 @478 has 2 MA's), (221, 520), (227, 538), (234, 553), (247, 574), (258, 595), (267, 634), (288, 694), (301, 730), (304, 742), (325, 784), (335, 796), (360, 823), (393, 901), (431, 1006), (441, 1021), (451, 1036), (520, 1114), (542, 1165), (628, 1321), (646, 1342), (655, 1360), (658, 1366), (689, 1432), (696, 1444), (723, 1489), (724, 1492), (728, 1498), (741, 1519), (745, 1528), (747, 1531), (801, 1600), (862, 1702), (892, 1744), (902, 1759), (931, 1795), (997, 1891), (1004, 1903), (1012, 1912),

Gene: Guanica15_8 Start: 1587, Stop: 3011, Start Num: 164
Candidate Starts for Guanica15_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 210 @1674 has 1 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (239, 1743), (255, 1782), (259, 1791), (261, 1797), (271, 1839), (277, 1857), (288, 1875), (304, 1926), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (494, 2259), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (597, 2445), (606, 2466), (660, 2535), (697, 2607), (743, 2676), (745, 2679), (767, 2712), (814, 2766), (827, 2790), (891, 2853), (952, 2943), (1012, 3000), (1015, 3006),

Gene: Guey18_39 Start: 11038, Stop: 12444, Start Num: 179
Candidate Starts for Guey18_39:
(143, 10981), (Start: 179 @11038 has 6 MA's), (244, 11164), (266, 11224), (269, 11233), (281, 11260), (303, 11317), (327, 11371), (393, 11497), (395, 11503), (400, 11521), (420, 11587), (453, 11641), (484, 11674), (500, 11719), (566, 11812), (617, 11890), (652, 11935), (661, 11953), (705, 12016), (707, 12022), (802, 12148), (829, 12193), (840, 12211), (977, 12385),

Gene: Guillsminger_6 Start: 1326, Stop: 2753, Start Num: 172
Candidate Starts for Guillsminger_6:
(89, 1233), (Start: 172 @1326 has 22 MA's), (201, 1383), (Start: 210 @1404 has 1 MA's), (Start: 223 @1428 has 16 MA's), (255, 1512), (259, 1521), (261, 1527), (271, 1569), (277, 1587), (288, 1605), (304, 1656), (358, 1731), (391, 1809), (404, 1851), (407, 1860), (408, 1863), (444, 1941), (537, 2055), (561, 2103), (581, 2145), (594, 2169), (601, 2181), (617, 2208), (655, 2253), (660, 2265), (741, 2412), (766, 2451), (814, 2508), (827, 2532), (842, 2556), (877, 2580), (950, 2679), (952, 2685), (1012, 2742),

Gene: Guinevere_6 Start: 1957, Stop: 3657, Start Num: 112
Candidate Starts for Guinevere_6:
(70, 1900), (Start: 96 @1936 has 8 MA's), (Start: 112 @1957 has 27 MA's), (185, 2080), (Start: 198 @2101 has 7 MA's), (222, 2149), (258, 2194), (259, 2197), (269, 2239), (275, 2257), (276, 2260), (277, 2263), (335, 2386), (375, 2440), (410, 2554), (436, 2614), (449, 2635), (475, 2701), (540, 2866), (572, 2932), (579, 2947), (668, 3118), (685, 3157), (691, 3166), (697, 3175), (720, 3217), (749, 3250), (776, 3289), (807, 3331), (831, 3373), (884, 3421), (903, 3448), (905, 3451), (910, 3457), (925, 3478), (950, 3520), (1026, 3646),

Gene: Guntur_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Guntur_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Gusanita_4 Start: 1860, Stop: 3557, Start Num: 112
Candidate Starts for Gusanita_4:
(Start: 68 @1800 has 4 MA's), (Start: 112 @1860 has 27 MA's), (185, 1980), (Start: 198 @2001 has 7 MA's), (204, 2016), (222, 2049), (258, 2094), (259, 2097), (269, 2139), (275, 2157), (276, 2160), (335, 2286), (375, 2340), (410, 2454), (449, 2535), (540, 2766), (572, 2832), (579, 2847), (660, 2994), (668, 3018), (674, 3027), (685, 3057), (697, 3075), (720, 3117), (776, 3189), (807, 3231), (903, 3348), (905, 3351), (910, 3357), (950, 3420), (979, 3465), (1004, 3498), (1026, 3546),

Gene: Gustav_2 Start: 554, Stop: 2107, Start Num: 111
Candidate Starts for Gustav_2:
(Start: 111 @554 has 9 MA's), (133, 581), (185, 659), (204, 695), (266, 809), (275, 836), (322, 956), (336, 971), (375, 1022), (393, 1070), (409, 1133), (435, 1193), (458, 1229), (527, 1310), (535, 1325), (548, 1358), (558, 1370), (589, 1427), (651, 1514), (658, 1526), (677, 1568), (696, 1604), (697, 1607), (705, 1625), (769, 1736), (806, 1805), (807, 1808), (811, 1814), (836, 1862), (885, 1919), (903, 1943), (1014, 2099),

Gene: GuuelaD_4 Start: 1069, Stop: 2643, Start Num: 84
Candidate Starts for GuuelaD_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (101, 1093), (190, 1231), (257, 1351), (321, 1528), (324, 1534), (391, 1672), (394, 1678), (400, 1699), (442, 1798), (481, 1846), (503, 1900), (517, 1924), (542, 1969), (546, 1975), (564, 2005), (566, 2011), (578, 2038), (582, 2047), (642, 2104), (658, 2131), (660, 2137), (675, 2170), (698, 2215), (717, 2251), (747, 2296), (799, 2362), (845, 2437), (857, 2455), (865, 2464), (995, 2611), (1012, 2635), (1014, 2638),

Gene: HH92_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for HH92_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: HUHilltop_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for HUHilltop_2:

(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Hadrien_5 Start: 1894, Stop: 3489, Start Num: 82
Candidate Starts for Hadrien_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Hafay_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Hafay_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Hail_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Hail_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Halena_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for Halena_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: Haley23_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Haley23_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Halloweekend_4 Start: 1574, Stop: 3295, Start Num: 96
Candidate Starts for Halloweekend_4:

(70, 1538), (Start: 96 @1574 has 8 MA's), (Start: 112 @1595 has 27 MA's), (185, 1718), (Start: 198 @1739 has 7 MA's), (222, 1787), (258, 1832), (259, 1835), (269, 1877), (275, 1895), (276, 1898), (277, 1901), (335, 2024), (375, 2078), (395, 2132), (410, 2192), (436, 2252), (449, 2273), (540, 2504), (572, 2570), (579, 2585), (668, 2756), (685, 2795), (691, 2804), (697, 2813), (720, 2855), (749, 2888), (776, 2927), (807, 2969), (884, 3059), (903, 3086), (905, 3089), (910, 3095), (925, 3116), (950, 3158), (1004, 3236), (1026, 3284),

Gene: Halo_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Halo_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: HamCheese_2 Start: 370, Stop: 1992, Start Num: 96
Candidate Starts for HamCheese_2:
(Start: 81 @349 has 7 MA's), (Start: 96 @370 has 8 MA's), (257, 601), (258, 604), (261, 613), (269, 649), (272, 658), (275, 667), (305, 745), (375, 850), (410, 964), (419, 988), (436, 1024), (449, 1045), (459, 1060), (481, 1120), (523, 1204), (651, 1420), (657, 1432), (670, 1459), (688, 1498), (691, 1504), (711, 1543), (737, 1570), (747, 1582), (767, 1615), (776, 1627), (793, 1660), (903, 1831), (950, 1900), (952, 1906), (964, 1927), (982, 1948), (1010, 1978), (1012, 1981), (1014, 1984),

Gene: Hammy_7 Start: 1384, Stop: 2808, Start Num: 164
Candidate Starts for Hammy_7:
(Start: 156 @1372 has 11 MA's), (Start: 164 @1384 has 155 MA's), (Start: 210 @1471 has 1 MA's), (Start: 223 @1495 has 16 MA's), (255, 1579), (259, 1588), (271, 1636), (277, 1654), (288, 1672), (304, 1723), (341, 1771), (404, 1918), (407, 1927), (408, 1930), (420, 1960), (444, 2008), (537, 2122), (566, 2182), (581, 2212), (606, 2263), (627, 2284), (660, 2332), (680, 2374), (697, 2404), (745, 2476), (814, 2563), (952, 2740), (1012, 2797), (1015, 2803),

Gene: Hamood_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for Hamood_6:
(123, 1810), (126, 1813), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (299, 2176), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (514, 2599), (606, 2788), (654, 2848), (672, 2890), (699, 2941), (743, 3016), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: Hanako_2 Start: 512, Stop: 2044, Start Num: 155
Candidate Starts for Hanako_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Hannaconda_7 Start: 2388, Stop: 3920, Start Num: 152
Candidate Starts for Hannaconda_7:
(18, 2142), (30, 2193), (91, 2304), (Start: 122 @2346 has 2 MA's), (128, 2355), (Start: 152 @2388 has 34 MA's), (224, 2502), (246, 2565), (260, 2598), (261, 2601), (270, 2640), (272, 2646), (302, 2721), (317, 2757), (371, 2832), (373, 2835), (386, 2871), (398, 2904), (534, 3153), (566, 3216), (578, 3243), (674, 3402), (692, 3438), (709, 3468), (714, 3477), (752, 3531), (769, 3555), (952, 3789), (959, 3801),

Gene: HannahD_2 Start: 522, Stop: 2105, Start Num: 116
Candidate Starts for HannahD_2:
(91, 489), (97, 498), (Start: 116 @522 has 12 MA's), (272, 807), (288, 840), (304, 888), (336, 948), (356, 960), (393, 1050), (431, 1155), (520, 1299), (542, 1350), (589, 1446), (628, 1506), (658, 1554), (667, 1578), (714, 1665), (769, 1755), (799, 1785), (811, 1803), (850, 1872), (862, 1887), (878, 1911),

Gene: HannahPhantana_4 Start: 1013, Stop: 2494, Start Num: 198
Candidate Starts for HannahPhantana_4:
(Start: 81 @848 has 7 MA's), (Start: 198 @1013 has 7 MA's), (217, 1052), (257, 1103), (261, 1115), (269, 1151), (275, 1169), (375, 1352), (410, 1466), (415, 1478), (436, 1526), (449, 1547), (459, 1562), (481, 1619), (657, 1934), (688, 2000), (711, 2045), (747, 2084), (754, 2096), (793, 2162), (810, 2192), (833, 2237), (864, 2279), (950, 2402), (952, 2408), (964, 2429), (973, 2441), (1010, 2480), (1012, 2483),

Gene: HarperAnne_3 Start: 1062, Stop: 2522, Start Num: 106
Candidate Starts for HarperAnne_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (501, 1779), (540, 1857), (546, 1872), (557, 1890), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (705, 2148), (711, 2160), (749, 2211), (785, 2268), (788, 2274), (791, 2283), (799, 2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: HeadMave_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for HeadMave_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: HeadNerd_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for HeadNerd_2:
(Start: 75 @426 has 75 MA's), (Start: 216 @636 has 4 MA's), (259, 696), (267, 732), (270, 741), (275, 756), (277, 762), (283, 780), (362, 942), (375, 963), (410, 1077), (436, 1137), (472, 1203), (499, 1236), (519, 1266), (526, 1281), (572, 1362), (615, 1440), (623, 1449), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (831, 1755), (925, 1857),

Gene: Hedwig_2 Start: 586, Stop: 2196, Start Num: 116
Candidate Starts for Hedwig_2:
(Start: 116 @586 has 12 MA's), (233, 769), (249, 802), (288, 904), (304, 952), (356, 1024), (410, 1177), (431, 1219), (451, 1249), (493, 1312), (516, 1354), (520, 1363), (561, 1444), (563, 1447), (568, 1465), (580, 1495), (589, 1510), (605, 1543), (628, 1570), (667, 1648), (714, 1735), (729, 1759), (798, 1852), (799, 1855), (811, 1873), (862, 1957),

Gene: HedwigODU_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for HedwigODU_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: Heftyboy_6 Start: 1347, Stop: 2774, Start Num: 172

Candidate Starts for Heftyboy_6:
(89, 1254), (Start: 172 @1347 has 22 MA's), (201, 1404), (Start: 210 @1425 has 1 MA's), (Start: 223 @1449 has 16 MA's), (255, 1533), (259, 1542), (261, 1548), (271, 1590), (277, 1608), (288, 1626), (304, 1677), (358, 1752), (391, 1830), (404, 1872), (407, 1881), (408, 1884), (444, 1962), (537, 2076), (561, 2124), (581, 2166), (594, 2190), (601, 2202), (617, 2229), (655, 2274), (660, 2286), (741, 2433), (766, 2472), (814, 2529), (827, 2553), (842, 2577), (877, 2601), (950, 2700), (952, 2706), (1012, 2763),

Gene: Hegedechwinu_3 Start: 670, Stop: 2157, Start Num: 154
Candidate Starts for Hegedechwinu_3:
(Start: 131 @658 has 3 MA's), (Start: 154 @670 has 76 MA's), (Start: 223 @796 has 16 MA's), (224, 802), (251, 880), (253, 883), (257, 889), (259, 895), (268, 934), (276, 958), (288, 979), (290, 982), (302, 1021), (310, 1042), (333, 1069), (342, 1087), (344, 1090), (374, 1141), (394, 1198), (400, 1219), (407, 1243), (409, 1255), (420, 1276), (428, 1288), (441, 1321), (445, 1327), (495, 1396), (496, 1402), (513, 1435), (532, 1471), (563, 1531), (566, 1540), (579, 1567), (629, 1645), (684, 1741), (714, 1786), (766, 1858), (800, 1897), (823, 1933), (826, 1939), (842, 1963), (882, 1993), (888, 1999), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101),

Gene: Heinz_2 Start: 511, Stop: 2103, Start Num: 110
Candidate Starts for Heinz_2:
(Start: 110 @511 has 8 MA's), (202, 646), (204, 652), (224, 694), (259, 733), (261, 739), (267, 769), (283, 817), (309, 877), (334, 919), (335, 922), (346, 946), (347, 949), (375, 976), (396, 1039), (417, 1111), (432, 1141), (435, 1147), (436, 1150), (438, 1153), (563, 1396), (572, 1417), (579, 1432), (581, 1435), (589, 1447), (634, 1507), (660, 1552), (668, 1570), (685, 1609), (754, 1702), (767, 1723), (890, 1927), (952, 2020), (963, 2038), (1012, 2092),

Gene: Herb_2 Start: 428, Stop: 1993, Start Num: 75
Candidate Starts for Herb_2:
(Start: 75 @428 has 75 MA's), (Start: 196 @599 has 2 MA's), (257, 692), (260, 701), (267, 734), (272, 749), (275, 758), (283, 782), (305, 836), (364, 947), (393, 1013), (395, 1019), (410, 1079), (436, 1139), (456, 1169), (519, 1268), (615, 1442), (623, 1451), (657, 1487), (660, 1493), (677, 1529), (696, 1565), (711, 1598), (747, 1637), (749, 1643), (845, 1784), (925, 1859), (973, 1940), (1010, 1979),

Gene: Hernandez44_3 Start: 1176, Stop: 2636, Start Num: 106
Candidate Starts for Hernandez44_3:
(Start: 106 @1176 has 126 MA's), (Start: 111 @1182 has 9 MA's), (217, 1344), (222, 1353), (258, 1413), (278, 1482), (290, 1503), (305, 1554), (409, 1758), (501, 1893), (540, 1971), (546, 1986), (567, 2022), (588, 2064), (605, 2097), (621, 2115), (692, 2235), (694, 2238), (699, 2250), (749, 2325), (788, 2388), (791, 2397), (799, 2406), (801, 2409), (919, 2571), (928, 2580), (934, 2589), (955, 2628),

Gene: Hibiscus_2 Start: 511, Stop: 2103, Start Num: 110
Candidate Starts for Hibiscus_2:
(Start: 110 @511 has 8 MA's), (202, 646), (224, 694), (259, 733), (267, 769), (283, 817), (309, 877), (334, 919), (335, 922), (346, 946), (347, 949), (375, 976), (396, 1039), (417, 1111), (432, 1141), (435, 1147), (436, 1150), (563, 1399), (572, 1420), (579, 1435), (581, 1438), (589, 1450), (634, 1510), (660, 1555), (668, 1573), (674, 1582), (685, 1612), (754, 1705), (767, 1726), (773, 1735), (805, 1795), (837, 1855), (890, 1927), (912, 1957), (948, 2011), (952, 2020), (963, 2038), (1012, 2092),

Gene: Hilltopfarm_9 Start: 4704, Stop: 6329, Start Num: 68
Candidate Starts for Hilltopfarm_9:
(24, 4623), (28, 4638), (47, 4680), (Start: 68 @4704 has 4 MA's), (Start: 73 @4710 has 1 MA's), (Start: 193 @4878 has 2 MA's), (200, 4890), (204, 4902), (275, 5046), (302, 5142), (304, 5151), (346, 5229), (349, 5235), (387, 5292), (393, 5307), (419, 5397), (435, 5430), (436, 5433), (505, 5505), (535, 5562), (556, 5610), (566, 5631), (570, 5643), (575, 5655), (589, 5679), (601, 5703), (603, 5709), (651, 5766),

(660, 5784), (709, 5886), (740, 5928), (777, 5991), (781, 6000), (786, 6006), (846, 6120), (874, 6132), (894, 6150), (924, 6192), (949, 6234), (957, 6249),

Gene: Hitter_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Hitter_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (390, 891), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Holliday_3 Start: 671, Stop: 2188, Start Num: 154
Candidate Starts for Holliday_3:
(132, 662), (Start: 154 @671 has 76 MA's), (218, 788), (Start: 223 @797 has 16 MA's), (225, 806), (241, 851), (246, 869), (253, 884), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (313, 1049), (333, 1070), (342, 1088), (344, 1091), (345, 1094), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (409, 1256), (412, 1262), (420, 1277), (428, 1289), (445, 1328), (497, 1409), (520, 1451), (563, 1532), (566, 1541), (579, 1568), (617, 1634), (640, 1655), (698, 1757), (714, 1784), (823, 1931), (829, 1943), (842, 1961), (925, 2039), (927, 2042), (930, 2045), (952, 2087), (960, 2099), (969, 2111),

Gene: Homura_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Homura_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Hope_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Hope_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Horacetta_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Horacetta_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Hortense_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for Hortense_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (267, 618), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (386, 855), (404, 912), (407, 921), (410, 936), (451, 1008), (459, 1020), (493, 1071), (542, 1137), (566, 1179), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (714, 1458), (742, 1500), (766, 1536), (767, 1539), (799, 1575), (811, 1593), (831, 1629), (864, 1680), (911, 1743), (939, 1785), (965, 1827),

Gene: Horus_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for Horus_3:
(132, 664), (Start: 154 @673 has 76 MA's), (Start: 210 @775 has 1 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (225, 808), (240, 847), (241, 853), (253, 886), (267, 934), (268, 937), (271, 946), (287, 979), (288, 982), (302, 1024), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (408, 1249), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (441, 1324), (445, 1330), (495, 1399), (497, 1411), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (640, 1657), (658, 1681), (698, 1759), (714, 1786), (722, 1795), (823, 1933), (829, 1945), (842, 1963), (925, 2041), (930, 2047), (952, 2089), (960, 2101), (969, 2113), (1025, 2182),

Gene: Hotshotbaby7_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Hotshotbaby7_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Howe_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for Howe_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (267, 618), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (386, 855), (404, 912), (407, 921), (410, 936), (451, 1008), (459, 1020), (493, 1071), (542, 1137), (566, 1179), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (714, 1458), (742, 1500), (766, 1536), (767, 1539), (799, 1575), (811, 1593), (831, 1629), (864, 1680), (911, 1743), (939, 1785), (965, 1827),

Gene: Huckleberry_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Huckleberry_2:
(Start: 75 @426 has 75 MA's), (Start: 216 @636 has 4 MA's), (259, 696), (267, 732), (270, 741), (275, 756), (277, 762), (283, 780), (362, 942), (375, 963), (410, 1077), (436, 1137), (472, 1203), (499, 1236), (519, 1266), (526, 1281), (572, 1362), (615, 1440), (623, 1449), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (831, 1755), (925, 1857),

Gene: Huffy_9 Start: 3697, Stop: 5304, Start Num: 108
Candidate Starts for Huffy_9:
(Start: 50 @3619 has 4 MA's), (Start: 108 @3697 has 6 MA's), (259, 3925), (269, 3967), (295, 4030), (302, 4051), (375, 4189), (395, 4243), (419, 4327), (421, 4330), (423, 4333), (436, 4363), (572, 4570), (642, 4693), (682, 4780), (688, 4795), (697, 4810), (740, 4873), (787, 4942), (806, 4984), (847, 5059), (848, 5062), (873, 5095), (925, 5161), (954, 5212), (1015, 5290), (1019, 5296),

Gene: Hulk_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Hulk_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (501, 1803), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (791, 2307), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Hunnie_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Hunnie_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603,

1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: HunterDalle_2 Start: 429, Stop: 1994, Start Num: 75
Candidate Starts for HunterDalle_2:
(Start: 75 @429 has 75 MA's), (Start: 196 @600 has 2 MA's), (257, 693), (272, 750), (275, 759), (283, 783), (305, 837), (375, 966), (410, 1080), (436, 1140), (456, 1170), (519, 1269), (526, 1284), (623, 1452), (676, 1527), (677, 1530), (691, 1560), (749, 1644), (780, 1692), (807, 1716), (884, 1806), (925, 1860), (973, 1941), (1010, 1980),

Gene: Huntingdon_5 Start: 3080, Stop: 4645, Start Num: 75
Candidate Starts for Huntingdon_5:
(Start: 75 @3080 has 75 MA's), (Start: 198 @3254 has 7 MA's), (Start: 216 @3290 has 4 MA's), (257, 3344), (267, 3386), (275, 3410), (334, 3536), (387, 3650), (393, 3665), (395, 3671), (410, 3731), (436, 3791), (472, 3857), (499, 3890), (519, 3920), (526, 3935), (545, 3968), (556, 3983), (572, 4016), (623, 4103), (767, 4322), (780, 4343), (806, 4364), (843, 4433), (925, 4511), (948, 4550), (964, 4580), (973, 4592), (1010, 4631), (1015, 4640),

Gene: Hurricane_7 Start: 1494, Stop: 2918, Start Num: 164
Candidate Starts for Hurricane_7:
(123, 1455), (Start: 156 @1482 has 11 MA's), (Start: 164 @1494 has 155 MA's), (Start: 210 @1581 has 1 MA's), (Start: 223 @1605 has 16 MA's), (255, 1689), (259, 1698), (271, 1746), (277, 1764), (288, 1782), (304, 1833), (336, 1875), (341, 1881), (358, 1908), (391, 1986), (404, 2028), (407, 2037), (444, 2118), (457, 2136), (537, 2232), (561, 2280), (566, 2292), (581, 2322), (594, 2346), (601, 2358), (660, 2442), (680, 2484), (743, 2583), (745, 2586), (771, 2628), (782, 2643), (797, 2649), (812, 2670), (814, 2673), (952, 2850), (1015, 2913),

Gene: Hyperbowlee_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Hyperbowlee_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: IPhane7_14 Start: 4719, Stop: 6263, Start Num: 112
Candidate Starts for IPhane7_14:
(Start: 112 @4719 has 27 MA's), (143, 4767), (258, 4968), (304, 5106), (403, 5298), (517, 5508), (546, 5559), (582, 5631), (658, 5694), (667, 5718), (675, 5733), (705, 5793), (711, 5805), (743, 5865), (766, 5898), (797, 5931), (814, 5958), (841, 6006), (977, 6192), (995, 6213),

Gene: Icarian_4 Start: 949, Stop: 2574, Start Num: 127
Candidate Starts for Icarian_4:
(Start: 127 @949 has 74 MA's), (222, 1105), (261, 1159), (275, 1213), (280, 1228), (309, 1297), (335, 1342), (375, 1396), (394, 1447), (395, 1450), (410, 1510), (416, 1528), (417, 1531), (430, 1558), (447, 1588), (523, 1750), (652, 1966), (688, 2041), (696, 2053), (896, 2368), (925, 2407),

Gene: Ichiang_4 Start: 1613, Stop: 3313, Start Num: 112
Candidate Starts for Ichiang_4:
(70, 1556), (Start: 96 @1592 has 8 MA's), (Start: 112 @1613 has 27 MA's), (168, 1688), (185, 1736), (Start: 198 @1757 has 7 MA's), (222, 1805), (258, 1850), (259, 1853), (269, 1895), (275, 1913), (276, 1916), (277, 1919), (335, 2042), (346, 2066), (375, 2096), (395, 2150), (410, 2210), (435, 2267), (436, 2270), (449, 2291), (540, 2522), (572, 2588), (579, 2603), (668, 2774), (691, 2822), (697, 2831), (720,

2873), (749, 2906), (776, 2945), (807, 2987), (884, 3077), (903, 3104), (905, 3107), (910, 3113), (925, 3134), (950, 3176), (1004, 3254), (1026, 3302),

Gene: Idaho_3 Start: 471, Stop: 2039, Start Num: 35
Candidate Starts for Idaho_3:
(Start: 35 @471 has 1 MA's), (124, 576), (Start: 198 @684 has 7 MA's), (200, 687), (270, 825), (300, 900), (301, 903), (303, 909), (304, 915), (310, 927), (314, 936), (334, 969), (391, 1071), (414, 1146), (480, 1260), (505, 1290), (509, 1293), (522, 1317), (541, 1347), (544, 1359), (556, 1377), (566, 1398), (603, 1470), (639, 1503), (663, 1545), (667, 1560), (674, 1572), (697, 1617), (703, 1629), (709, 1644), (729, 1668), (763, 1719), (775, 1737), (809, 1779), (813, 1785), (822, 1794), (907, 1917), (937, 1953), (952, 1983),

Gene: IdentityCrisis_2 Start: 663, Stop: 2147, Start Num: 169
Candidate Starts for IdentityCrisis_2:
(100, 600), (Start: 169 @663 has 4 MA's), (Start: 210 @747 has 1 MA's), (271, 909), (288, 945), (304, 996), (309, 1005), (404, 1191), (409, 1212), (420, 1233), (428, 1245), (444, 1281), (450, 1290), (487, 1353), (561, 1491), (566, 1503), (658, 1644), (660, 1650), (697, 1719), (707, 1737), (725, 1767), (745, 1791), (766, 1821), (797, 1854), (814, 1878), (842, 1932), (877, 1956),

Gene: Idergollasper_30 Start: 13074, Stop: 14588, Start Num: 86
Candidate Starts for Idergollasper_30:
(Start: 86 @13074 has 18 MA's), (Start: 88 @13077 has 18 MA's), (Start: 210 @13257 has 1 MA's), (245, 13350), (270, 13425), (283, 13458), (295, 13485), (304, 13515), (391, 13668), (394, 13674), (404, 13710), (407, 13719), (444, 13800), (450, 13809), (452, 13812), (495, 13851), (534, 13908), (550, 13944), (553, 13947), (656, 14103), (660, 14112), (692, 14181), (697, 14190), (703, 14196), (722, 14229), (745, 14265), (814, 14352), (825, 14373), (888, 14436), (891, 14439), (894, 14442), (905, 14460), (925, 14481), (952, 14523), (985, 14559), (1005, 14571),

Gene: Illumine_8 Start: 1604, Stop: 3025, Start Num: 164
Candidate Starts for Illumine_8:
(98, 1532), (Start: 156 @1592 has 11 MA's), (Start: 164 @1604 has 155 MA's), (Start: 223 @1715 has 16 MA's), (224, 1721), (255, 1799), (259, 1808), (271, 1856), (277, 1874), (304, 1943), (336, 1985), (341, 1991), (358, 2018), (360, 2021), (391, 2096), (404, 2138), (407, 2147), (444, 2228), (537, 2342), (561, 2390), (566, 2402), (581, 2432), (594, 2456), (601, 2468), (606, 2483), (660, 2552), (677, 2591), (745, 2696), (767, 2729), (814, 2783), (952, 2960), (1012, 3014),

Gene: Immaculata_5 Start: 3127, Stop: 4692, Start Num: 75
Candidate Starts for Immaculata_5:
(Start: 75 @3127 has 75 MA's), (Start: 216 @3337 has 4 MA's), (257, 3391), (275, 3457), (283, 3481), (387, 3697), (393, 3712), (395, 3718), (410, 3778), (436, 3838), (499, 3937), (519, 3967), (526, 3982), (572, 4063), (615, 4141), (623, 4150), (657, 4186), (676, 4225), (691, 4258), (697, 4267), (709, 4294), (754, 4348), (780, 4390), (806, 4411), (820, 4435), (831, 4456), (843, 4480), (925, 4558), (1010, 4678),

Gene: IndyLu_3 Start: 768, Stop: 2396, Start Num: 127
Candidate Starts for IndyLu_3:
(Start: 127 @768 has 74 MA's), (222, 924), (275, 1032), (295, 1077), (309, 1116), (334, 1158), (375, 1215), (394, 1266), (395, 1269), (410, 1329), (416, 1347), (430, 1377), (447, 1407), (697, 1878), (767, 1980), (925, 2229), (952, 2277), (968, 2301), (1010, 2346),

Gene: Inky_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Inky_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018),

(341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Inspire2_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Inspire2_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Invectra_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for Invectra_3:
(51, 760), (Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (372, 1318), (374, 1321), (386, 1357), (404, 1414), (407, 1423), (410, 1438), (451, 1510), (459, 1522), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: InvictusManeo_6 Start: 1331, Stop: 2758, Start Num: 172
Candidate Starts for InvictusManeo_6:
(Start: 172 @1331 has 22 MA's), (201, 1388), (Start: 210 @1409 has 1 MA's), (Start: 223 @1433 has 16 MA's), (255, 1517), (259, 1526), (261, 1532), (271, 1574), (277, 1592), (288, 1610), (304, 1661), (335, 1700), (358, 1736), (391, 1814), (404, 1856), (407, 1865), (408, 1868), (444, 1946), (537, 2060), (561, 2108), (566, 2120), (581, 2150), (601, 2186), (617, 2213), (660, 2270), (697, 2354), (711, 2378), (766, 2456), (814, 2513), (827, 2537), (842, 2561), (952, 2690), (1012, 2747),

Gene: IsHungry_6 Start: 1935, Stop: 3632, Start Num: 112
Candidate Starts for IsHungry_6:
(34, 1818), (55, 1854), (Start: 68 @1872 has 4 MA's), (Start: 87 @1902 has 20 MA's), (Start: 112 @1935 has 27 MA's), (185, 2055), (Start: 198 @2076 has 7 MA's), (204, 2091), (222, 2124), (257, 2166), (258, 2169), (269, 2214), (275, 2232), (276, 2235), (305, 2310), (335, 2361), (375, 2415), (395, 2469), (410, 2529), (449, 2610), (478, 2685), (572, 2907), (579, 2922), (595, 2949), (618, 2988), (623, 2994), (626, 3000), (656, 3060), (668, 3093), (697, 3150), (720, 3192), (749, 3225), (776, 3264), (807, 3306), (903, 3423), (910, 3432), (945, 3483), (950, 3495), (1004, 3573), (1026, 3621),

Gene: Itos_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Itos_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Izel_13 Start: 4718, Stop: 6262, Start Num: 112
Candidate Starts for Izel_13:
(Start: 112 @4718 has 27 MA's), (143, 4766), (258, 4967), (304, 5105), (403, 5297), (517, 5507), (546, 5558), (582, 5630), (658, 5693), (667, 5717), (675, 5732), (705, 5792), (711, 5804), (743, 5864), (766, 5897), (797, 5930), (814, 5957), (841, 6005), (977, 6191), (995, 6212),

Gene: IzzyPants24_3 Start: 1113, Stop: 2573, Start Num: 106
Candidate Starts for IzzyPants24_3:

(Start: 106 @1113 has 126 MA's), (Start: 111 @1119 has 9 MA's), (217, 1281), (222, 1290), (258, 1350), (278, 1419), (290, 1440), (305, 1491), (409, 1695), (501, 1830), (540, 1908), (546, 1923), (557, 1941), (567, 1959), (588, 2001), (605, 2034), (621, 2052), (692, 2172), (694, 2175), (699, 2187), (705, 2199), (711, 2211), (749, 2262), (785, 2319), (788, 2325), (791, 2334), (799, 2343), (801, 2346), (919, 2508), (928, 2517), (934, 2526), (955, 2565),

Gene: JAWS_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for JAWS_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: JCole_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for JCole_2:
(Start: 93 @318 has 51 MA's), (205, 474), (221, 504), (234, 537), (259, 582), (268, 621), (271, 630), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: JF1_9 Start: 2465, Stop: 3910, Start Num: 164
Candidate Starts for JF1_9:
(Start: 164 @2465 has 155 MA's), (Start: 223 @2570 has 16 MA's), (255, 2654), (259, 2663), (271, 2711), (276, 2726), (288, 2753), (304, 2804), (313, 2822), (341, 2852), (358, 2879), (391, 2957), (404, 2999), (407, 3008), (408, 3011), (444, 3089), (450, 3098), (494, 3137), (537, 3203), (561, 3251), (581, 3293), (660, 3410), (678, 3452), (697, 3497), (743, 3566), (771, 3611), (797, 3632), (814, 3656), (952, 3833), (1012, 3899), (1015, 3905),

Gene: JRok_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for JRok_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (934, 2484), (955, 2523),

Gene: Jabb_3 Start: 676, Stop: 2304, Start Num: 127
Candidate Starts for Jabb_3:
(Start: 127 @676 has 74 MA's), (222, 832), (275, 940), (309, 1024), (318, 1048), (375, 1123), (394, 1174), (395, 1177), (410, 1237), (416, 1255), (430, 1285), (447, 1315), (688, 1771), (697, 1786), (925, 2137), (1026, 2293),

Gene: Jabbawokkie_4 Start: 1187, Stop: 2707, Start Num: 154
Candidate Starts for Jabbawokkie_4:
(Start: 131 @1175 has 3 MA's), (Start: 154 @1187 has 76 MA's), (Start: 223 @1313 has 16 MA's), (225, 1322), (241, 1367), (251, 1397), (253, 1400), (257, 1406), (268, 1451), (276, 1475), (288, 1496), (302, 1538), (310, 1559), (333, 1586), (342, 1604), (344, 1607), (358, 1631), (374, 1658), (394, 1715), (404, 1751), (407, 1760), (409, 1772), (412, 1778), (420, 1793), (428, 1805), (441, 1838), (445, 1844), (467, 1880), (479, 1889), (496, 1919), (511, 1949), (513, 1952), (563, 2048), (566, 2057), (579, 2084), (633, 2168), (651, 2183), (709, 2294), (714, 2303), (722, 2312), (766, 2375), (823, 2450), (829, 2462), (842, 2480), (888, 2516), (925, 2558), (930, 2564), (952, 2606), (960, 2618), (969, 2630), (1023, 2696),

Gene: Jahseh_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Jahseh_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: JaimeB_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for JaimeB_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: JalFarm20_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for JalFarm20_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Jalammah_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Jalammah_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (854, 1689), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Jamie19_2 Start: 509, Stop: 2044, Start Num: 152
Candidate Starts for Jamie19_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Jamun_3 Start: 1027, Stop: 2607, Start Num: 135
Candidate Starts for Jamun_3:
(Start: 81 @961 has 7 MA's), (Start: 135 @1027 has 10 MA's), (Start: 198 @1123 has 7 MA's), (202, 1132), (261, 1225), (270, 1264), (275, 1279), (283, 1303), (410, 1576), (415, 1588), (416, 1594), (436, 1636), (449, 1657), (474, 1717), (488, 1747), (491, 1756), (523, 1819), (651, 2035), (657, 2047), (676, 2086), (688, 2113), (697, 2128), (711, 2158), (747, 2197), (751, 2206), (759, 2215), (780, 2251), (810, 2305), (950, 2515), (976, 2557), (1012, 2596),

Gene: Jane_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Jane_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809),

(335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: JanetJ_3 Start: 1011, Stop: 2603, Start Num: 110
Candidate Starts for JanetJ_3:
(Start: 110 @1011 has 8 MA's), (Start: 144 @1053 has 1 MA's), (267, 1269), (275, 1293), (277, 1299), (393, 1524), (410, 1590), (436, 1650), (449, 1671), (456, 1680), (515, 1782), (520, 1794), (581, 1917), (644, 2001), (749, 2202), (818, 2316), (1012, 2592),

Gene: JangDynasty_30 Start: 13169, Stop: 14683, Start Num: 86
Candidate Starts for JangDynasty_30:
(Start: 86 @13169 has 18 MA's), (Start: 88 @13172 has 18 MA's), (Start: 210 @13352 has 1 MA's), (245, 13445), (270, 13520), (283, 13553), (295, 13580), (304, 13610), (391, 13763), (394, 13769), (404, 13805), (407, 13814), (444, 13895), (450, 13904), (452, 13907), (495, 13946), (534, 14003), (550, 14039), (553, 14042), (656, 14198), (660, 14207), (692, 14276), (697, 14285), (703, 14291), (722, 14324), (745, 14360), (814, 14447), (825, 14468), (888, 14531), (891, 14534), (894, 14537), (905, 14555), (925, 14576), (952, 14618), (985, 14654), (1005, 14666),

Gene: Jankie_2 Start: 463, Stop: 1983, Start Num: 122
Candidate Starts for Jankie_2:
(Start: 122 @463 has 2 MA's), (197, 589), (Start: 216 @619 has 4 MA's), (231, 655), (301, 826), (303, 832), (378, 949), (405, 1033), (409, 1054), (422, 1087), (433, 1111), (486, 1183), (605, 1411), (658, 1483), (670, 1513), (750, 1642), (807, 1699), (821, 1714), (881, 1801), (919, 1855), (1006, 1972),

Gene: Jannah_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Jannah_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Jarvi_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Jarvi_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: JasperJr_2 Start: 361, Stop: 1929, Start Num: 113
Candidate Starts for JasperJr_2:
(Start: 39 @256 has 19 MA's), (Start: 113 @361 has 34 MA's), (Start: 178 @445 has 1 MA's), (Start: 196 @478 has 2 MA's), (221, 520), (227, 538), (234, 553), (247, 574), (258, 595), (267, 634), (288, 694), (301, 730), (304, 742), (325, 784), (335, 796), (360, 823), (393, 901), (431, 1006), (441, 1021), (451, 1036), (520, 1114), (542, 1165), (628, 1321), (646, 1342), (655, 1360), (658, 1366), (689, 1432), (696, 1444), (723, 1489), (724, 1492), (728, 1498), (741, 1519), (745, 1528), (747, 1531), (801, 1600), (862, 1702), (892, 1744), (902, 1759), (931, 1795), (997, 1891), (1004, 1903), (1012, 1912),

Gene: Jayhawk_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for Jayhawk_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968),

(341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: Jeanie_2 Start: 520, Stop: 1905, Start Num: 148
Candidate Starts for Jeanie_2:
(Start: 148 @520 has 5 MA's), (Start: 193 @586 has 2 MA's), (Start: 207 @613 has 1 MA's), (270, 736), (271, 739), (277, 757), (302, 820), (304, 829), (305, 832), (345, 901), (375, 934), (384, 958), (394, 985), (408, 1033), (456, 1132), (499, 1165), (505, 1177), (513, 1189), (602, 1345), (610, 1360), (656, 1408), (675, 1453), (678, 1462), (690, 1486), (709, 1525), (946, 1825), (994, 1891),

Gene: Jebeks_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Jebeks_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (616, 1478), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Jeckyll_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Jeckyll_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Jella_3 Start: 1098, Stop: 2558, Start Num: 106
Candidate Starts for Jella_3:
(Start: 106 @1098 has 126 MA's), (Start: 111 @1104 has 9 MA's), (217, 1266), (222, 1275), (258, 1335), (278, 1404), (290, 1425), (305, 1476), (409, 1680), (540, 1893), (546, 1908), (567, 1944), (588, 1986), (605, 2019), (621, 2037), (692, 2157), (694, 2160), (699, 2172), (749, 2247), (788, 2310), (799, 2328), (801, 2331), (919, 2493), (928, 2502), (934, 2511), (955, 2550),

Gene: Jerky_3 Start: 1155, Stop: 2615, Start Num: 106
Candidate Starts for Jerky_3:
(Start: 106 @1155 has 126 MA's), (Start: 111 @1161 has 9 MA's), (217, 1323), (222, 1332), (258, 1392), (278, 1461), (290, 1482), (305, 1533), (409, 1737), (501, 1872), (540, 1950), (546, 1965), (567, 2001), (588, 2043), (605, 2076), (621, 2094), (692, 2214), (694, 2217), (699, 2229), (749, 2304), (788, 2367), (799, 2385), (801, 2388), (919, 2550), (928, 2559), (934, 2568),

Gene: Jerole_4 Start: 1013, Stop: 2494, Start Num: 198
Candidate Starts for Jerole_4:
(Start: 81 @848 has 7 MA's), (Start: 198 @1013 has 7 MA's), (217, 1052), (257, 1103), (261, 1115), (269, 1151), (275, 1169), (375, 1352), (410, 1466), (415, 1478), (436, 1526), (449, 1547), (459, 1562), (481, 1619), (657, 1934), (688, 2000), (696, 2012), (711, 2045), (747, 2084), (751, 2093), (754, 2096), (793, 2162), (810, 2192), (833, 2237), (864, 2279), (884, 2306), (885, 2309), (950, 2402), (952, 2408), (964, 2429), (973, 2441), (1010, 2480), (1012, 2483),

Gene: Jessica_5 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Jessica_5:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603,

1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Jflix2_8 Start: 5554, Stop: 7107, Start Num: 141
Candidate Starts for Jflix2_8:
(Start: 136 @5548 has 2 MA's), (Start: 141 @5554 has 2 MA's), (260, 5788), (338, 5965), (353, 6001), (354, 6004), (398, 6115), (403, 6133), (408, 6148), (418, 6175), (566, 6427), (578, 6448), (606, 6499), (720, 6691), (851, 6874), (897, 6937), (906, 6952), (925, 6976), (983, 7054),

Gene: JoBros_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for JoBros_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Joann_5 Start: 3072, Stop: 4637, Start Num: 75
Candidate Starts for Joann_5:
(Start: 75 @3072 has 75 MA's), (Start: 198 @3246 has 7 MA's), (Start: 216 @3282 has 4 MA's), (257, 3336), (260, 3345), (267, 3378), (275, 3402), (283, 3426), (334, 3528), (387, 3642), (393, 3657), (395, 3663), (410, 3723), (436, 3783), (499, 3882), (519, 3912), (526, 3927), (556, 3975), (623, 4095), (676, 4170), (691, 4203), (709, 4239), (767, 4314), (780, 4335), (806, 4356), (843, 4425), (925, 4503), (948, 4542), (964, 4572), (973, 4584), (1010, 4623), (1015, 4632),

Gene: Job42_3 Start: 670, Stop: 2157, Start Num: 154
Candidate Starts for Job42_3:
(Start: 131 @658 has 3 MA's), (Start: 154 @670 has 76 MA's), (Start: 223 @796 has 16 MA's), (224, 802), (240, 844), (241, 850), (253, 883), (257, 889), (259, 895), (268, 934), (276, 958), (287, 976), (288, 979), (302, 1021), (333, 1069), (337, 1078), (342, 1087), (344, 1090), (374, 1141), (400, 1219), (407, 1243), (409, 1255), (420, 1276), (428, 1288), (441, 1321), (445, 1327), (495, 1396), (496, 1402), (513, 1435), (532, 1471), (563, 1531), (566, 1540), (579, 1567), (629, 1645), (684, 1741), (714, 1786), (766, 1858), (778, 1879), (800, 1897), (823, 1933), (826, 1939), (842, 1963), (882, 1993), (888, 1999), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: Jobypre_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for Jobypre_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: JoeDirt_4 Start: 1059, Stop: 2636, Start Num: 88
Candidate Starts for JoeDirt_4:
(Start: 84 @1053 has 63 MA's), (Start: 88 @1059 has 18 MA's), (199, 1230), (245, 1317), (257, 1335), (259, 1341), (267, 1377), (322, 1515), (324, 1518), (372, 1593), (391, 1647), (393, 1650), (394, 1653), (481, 1821), (503, 1875), (509, 1884), (517, 1899), (529, 1920), (553, 1959), (564, 1980), (566, 1986), (578, 2013), (608, 2055), (642, 2079), (654, 2097), (658, 2106), (660, 2112), (675, 2145), (692, 2178), (711, 2217), (714, 2223), (717, 2226), (747, 2271), (799, 2337), (830, 2388), (839, 2403), (845, 2412), (856, 2427), (857, 2430), (952, 2532), (972, 2559), (1012, 2610), (1014, 2613),

Gene: Johnathan_3 Start: 689, Stop: 2317, Start Num: 127

Candidate Starts for Johnathan_3:
(Start: 127 @689 has 74 MA's), (222, 845), (275, 953), (295, 998), (301, 1016), (309, 1037), (318, 1061), (375, 1136), (394, 1187), (395, 1190), (410, 1250), (416, 1268), (430, 1298), (447, 1328), (688, 1784), (697, 1799), (854, 2054), (925, 2150), (952, 2198), (1026, 2306),

Gene: Jojo24_2 Start: 521, Stop: 2098, Start Num: 110
Candidate Starts for Jojo24_2:
(Start: 110 @521 has 8 MA's), (224, 704), (259, 743), (261, 749), (267, 779), (309, 887), (346, 956), (375, 986), (417, 1121), (432, 1151), (435, 1157), (436, 1160), (572, 1427), (579, 1442), (581, 1445), (589, 1457), (634, 1517), (660, 1562), (668, 1580), (674, 1589), (685, 1619), (754, 1712), (767, 1733), (773, 1742), (805, 1802), (820, 1826), (890, 1922), (952, 2015), (963, 2033), (1012, 2087),

Gene: Jolene_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Jolene_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Jolie2_2 Start: 376, Stop: 1950, Start Num: 87
Candidate Starts for Jolie2_2:
(Start: 87 @376 has 20 MA's), (201, 544), (288, 763), (304, 814), (309, 823), (322, 853), (343, 865), (374, 916), (394, 973), (404, 1009), (409, 1030), (422, 1054), (444, 1099), (450, 1108), (561, 1261), (602, 1339), (630, 1384), (660, 1435), (714, 1534), (722, 1543), (766, 1615), (771, 1627), (782, 1642), (797, 1648), (799, 1654), (812, 1669), (814, 1672), (825, 1693), (872, 1750), (877, 1756), (886, 1768), (888, 1771), (950, 1858), (1012, 1939), (1015, 1945),

Gene: Jonghyun_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Jonghyun_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: JooneeDee_3 Start: 1104, Stop: 2564, Start Num: 106
Candidate Starts for JooneeDee_3:
(Start: 106 @1104 has 126 MA's), (Start: 111 @1110 has 9 MA's), (217, 1272), (222, 1281), (258, 1341), (278, 1410), (290, 1431), (305, 1482), (409, 1686), (501, 1821), (540, 1899), (546, 1914), (557, 1932), (567, 1950), (588, 1992), (605, 2025), (621, 2043), (692, 2163), (694, 2166), (699, 2178), (705, 2190), (711, 2202), (749, 2253), (785, 2310), (788, 2316), (791, 2325), (799, 2334), (801, 2337), (919, 2499), (928, 2508), (934, 2517), (955, 2556),

Gene: JorRay_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for JorRay_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Josuke_3 Start: 1086, Stop: 2546, Start Num: 106

Candidate Starts for Josuke_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Journey_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Journey_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Jovita_3 Start: 802, Stop: 2430, Start Num: 127
Candidate Starts for Jovita_3:
(Start: 127 @802 has 74 MA's), (222, 958), (275, 1066), (309, 1150), (318, 1174), (334, 1192), (375, 1249), (394, 1300), (395, 1303), (410, 1363), (416, 1381), (430, 1411), (447, 1441), (688, 1897), (697, 1912), (925, 2263), (1026, 2419),

Gene: Joy99_8 Start: 1563, Stop: 2987, Start Num: 164
Candidate Starts for Joy99_8:
(98, 1491), (Start: 156 @1551 has 11 MA's), (Start: 164 @1563 has 155 MA's), (Start: 223 @1674 has 16 MA's), (224, 1680), (255, 1758), (259, 1767), (271, 1815), (277, 1833), (304, 1902), (336, 1944), (341, 1950), (358, 1977), (360, 1980), (404, 2097), (407, 2106), (444, 2187), (537, 2301), (561, 2349), (566, 2361), (581, 2391), (594, 2415), (601, 2427), (606, 2442), (658, 2505), (660, 2511), (745, 2658), (767, 2691), (814, 2745), (952, 2922), (1012, 2976),

Gene: JuJu_2 Start: 352, Stop: 1959, Start Num: 107
Candidate Starts for JuJu_2:
(Start: 107 @352 has 1 MA's), (109, 355), (Start: 113 @361 has 34 MA's), (Start: 196 @475 has 2 MA's), (221, 517), (227, 535), (234, 550), (247, 571), (267, 631), (275, 655), (288, 691), (301, 727), (304, 739), (325, 781), (327, 784), (410, 961), (431, 1003), (441, 1018), (451, 1033), (454, 1036), (520, 1111), (542, 1162), (628, 1318), (646, 1339), (648, 1342), (689, 1429), (696, 1441), (717, 1477), (741, 1516), (743, 1522), (747, 1528), (767, 1558), (799, 1594), (801, 1597), (835, 1657), (836, 1660), (841, 1669), (892, 1738), (996, 1888), (1023, 1942),

Gene: Jubie_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for Jubie_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: Juice456_3 Start: 797, Stop: 2158, Start Num: 223
Candidate Starts for Juice456_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (251, 881), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (288, 980), (290, 983), (302, 1022), (310, 1043), (333, 1070), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513,

1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102),

Gene: Julie_6 Start: 2172, Stop: 3869, Start Num: 112
Candidate Starts for Julie_6:
(Start: 87 @2139 has 20 MA's), (Start: 112 @2172 has 27 MA's), (185, 2292), (Start: 198 @2313 has 7 MA's), (204, 2328), (222, 2361), (257, 2403), (258, 2406), (269, 2451), (275, 2469), (276, 2472), (305, 2547), (335, 2598), (375, 2652), (410, 2766), (435, 2823), (436, 2826), (449, 2847), (478, 2922), (572, 3144), (579, 3159), (623, 3231), (626, 3237), (656, 3297), (668, 3330), (685, 3369), (697, 3387), (720, 3429), (749, 3462), (776, 3501), (807, 3543), (831, 3585), (903, 3660), (910, 3669), (950, 3732), (1026, 3858),

Gene: Juliette_9 Start: 2575, Stop: 3915, Start Num: 223
Candidate Starts for Juliette_9:
(Start: 164 @2470 has 155 MA's), (Start: 223 @2575 has 16 MA's), (255, 2659), (259, 2668), (271, 2716), (288, 2758), (304, 2809), (313, 2827), (341, 2857), (358, 2884), (391, 2962), (404, 3004), (407, 3013), (408, 3016), (444, 3094), (450, 3103), (494, 3142), (537, 3208), (561, 3256), (581, 3298), (594, 3322), (660, 3415), (678, 3457), (697, 3502), (743, 3571), (771, 3616), (782, 3631), (797, 3637), (814, 3661), (952, 3838), (1012, 3904), (1015, 3910),

Gene: Jumboset_5 Start: 3286, Stop: 4641, Start Num: 216
Candidate Starts for Jumboset_5:
(Start: 75 @3076 has 75 MA's), (Start: 216 @3286 has 4 MA's), (257, 3340), (275, 3406), (283, 3430), (387, 3646), (393, 3661), (395, 3667), (410, 3727), (436, 3787), (499, 3886), (519, 3916), (526, 3931), (572, 4012), (615, 4090), (623, 4099), (657, 4135), (676, 4174), (691, 4207), (697, 4216), (709, 4243), (754, 4297), (780, 4339), (820, 4384), (831, 4405), (843, 4429), (925, 4507), (1010, 4627),

Gene: Jung_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for Jung_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (629, 1477), (658, 1522), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: Juniormint_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Juniormint_2:
(Start: 40 @413 has 46 MA's), (119, 524), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (702, 1622), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Juno112_2 Start: 370, Stop: 1992, Start Num: 96
Candidate Starts for Juno112_2:
(Start: 81 @349 has 7 MA's), (Start: 96 @370 has 8 MA's), (257, 601), (258, 604), (261, 613), (269, 649), (275, 667), (305, 745), (375, 850), (410, 964), (419, 988), (436, 1024), (449, 1045), (459, 1060), (481, 1120), (491, 1141), (523, 1204), (651, 1420), (657, 1432), (670, 1459), (688, 1498), (691, 1504), (711, 1543), (737, 1570), (747, 1582), (767, 1615), (776, 1627), (790, 1654), (793, 1660), (950, 1900), (952, 1906), (964, 1927), (982, 1948), (1010, 1978), (1012, 1981), (1014, 1984),

Gene: JustASigh_2 Start: 553, Stop: 2340, Start Num: 38
Candidate Starts for JustASigh_2:

(Start: 38 @553 has 1 MA's), (221, 850), (234, 883), (267, 964), (301, 1048), (304, 1060), (355, 1147), (394, 1237), (433, 1342), (522, 1495), (530, 1513), (565, 1582), (624, 1699), (654, 1741), (658, 1750), (689, 1816), (705, 1846), (760, 1936), (767, 1945), (769, 1951), (771, 1954), (797, 1975), (862, 2083), (871, 2098), (892, 2125), (929, 2170), (939, 2188), (958, 2224), (966, 2230), (989, 2260),

Gene: KHumphrey_2 Start: 370, Stop: 1992, Start Num: 96
Candidate Starts for KHumphrey_2:
(Start: 81 @349 has 7 MA's), (Start: 96 @370 has 8 MA's), (257, 601), (258, 604), (261, 613), (269, 649), (275, 667), (305, 745), (375, 850), (410, 964), (419, 988), (436, 1024), (449, 1045), (459, 1060), (481, 1120), (523, 1204), (651, 1420), (657, 1432), (670, 1459), (688, 1498), (691, 1504), (711, 1543), (737, 1570), (747, 1582), (767, 1615), (776, 1627), (790, 1654), (793, 1660), (903, 1831), (950, 1900), (952, 1906), (964, 1927), (982, 1948), (1010, 1978), (1012, 1981), (1014, 1984),

Gene: KNG13_4 Start: 607, Stop: 2163, Start Num: 42
Candidate Starts for KNG13_4:
(Start: 42 @607 has 3 MA's), (52, 619), (91, 658), (124, 700), (128, 703), (146, 730), (Start: 198 @811 has 7 MA's), (202, 820), (Start: 216 @847 has 4 MA's), (257, 901), (259, 907), (300, 1027), (301, 1030), (303, 1036), (304, 1042), (305, 1045), (314, 1063), (414, 1273), (480, 1387), (482, 1390), (505, 1417), (509, 1420), (522, 1444), (525, 1453), (556, 1504), (566, 1525), (603, 1597), (622, 1621), (663, 1672), (667, 1687), (674, 1699), (697, 1744), (703, 1756), (835, 1948), (837, 1954), (948, 2101), (952, 2110), (958, 2119),

Gene: Kahlid_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Kahlid_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Kaijohn_3 Start: 1080, Stop: 2540, Start Num: 106
Candidate Starts for Kaijohn_3:
(Start: 106 @1080 has 126 MA's), (Start: 111 @1086 has 9 MA's), (217, 1248), (222, 1257), (258, 1317), (278, 1386), (290, 1407), (305, 1458), (409, 1662), (501, 1797), (540, 1875), (546, 1890), (567, 1926), (588, 1968), (605, 2001), (621, 2019), (650, 2043), (692, 2139), (694, 2142), (699, 2154), (749, 2229), (788, 2292), (799, 2310), (801, 2313), (919, 2475), (928, 2484), (934, 2493), (955, 2532),

Gene: Kalizoi_5 Start: 3286, Stop: 4641, Start Num: 216
Candidate Starts for Kalizoi_5:
(Start: 75 @3076 has 75 MA's), (Start: 216 @3286 has 4 MA's), (257, 3340), (272, 3397), (275, 3406), (387, 3646), (393, 3661), (395, 3667), (410, 3727), (436, 3787), (499, 3886), (519, 3916), (526, 3931), (572, 4012), (615, 4090), (623, 4099), (657, 4135), (676, 4174), (691, 4207), (697, 4216), (709, 4243), (754, 4297), (780, 4339), (820, 4384), (831, 4405), (843, 4429), (925, 4507), (1010, 4627),

Gene: Kamaru_3 Start: 671, Stop: 2188, Start Num: 154
Candidate Starts for Kamaru_3:
(132, 662), (Start: 154 @671 has 76 MA's), (218, 788), (Start: 223 @797 has 16 MA's), (225, 806), (241, 851), (246, 869), (253, 884), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (313, 1049), (333, 1070), (342, 1088), (344, 1091), (345, 1094), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (409, 1256), (412, 1262), (420, 1277), (428, 1289), (445, 1328), (497, 1409), (520, 1451), (563, 1532), (566, 1541), (579, 1568), (617, 1634), (640, 1655), (698, 1757), (714, 1784), (823, 1931), (829, 1943), (842, 1961), (925, 2039), (927, 2042), (930, 2045), (952, 2087), (960, 2099), (969, 2111),

Gene: KappaFarmDelta_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for KappaFarmDelta_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (258, 594), (267, 633), (275, 657), (288, 693), (301, 729), (304, 741), (325, 783), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (454, 1038), (520, 1113), (542, 1164), (628, 1320), (646, 1341), (655, 1359), (658, 1365), (689, 1431), (696, 1443), (717, 1479), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (801, 1599), (835, 1659), (862, 1701), (892, 1743), (902, 1758), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911),

Gene: Kareem_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Kareem_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Kari_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Kari_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Kasen3_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Kasen3_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: KashFlow_4 Start: 1954, Stop: 3486, Start Num: 152
Candidate Starts for KashFlow_4:
(91, 1870), (Start: 122 @1912 has 2 MA's), (128, 1921), (Start: 152 @1954 has 34 MA's), (224, 2068), (246, 2131), (260, 2164), (261, 2167), (272, 2212), (302, 2287), (304, 2296), (371, 2398), (373, 2401), (398, 2470), (534, 2719), (566, 2782), (578, 2809), (674, 2968), (692, 3004), (705, 3025), (709, 3034), (714, 3043), (752, 3097), (769, 3121), (952, 3355), (959, 3367),

Gene: Kate33_3 Start: 768, Stop: 2396, Start Num: 127
Candidate Starts for Kate33_3:
(Start: 127 @768 has 74 MA's), (222, 924), (275, 1032), (295, 1077), (309, 1116), (334, 1158), (375, 1215), (394, 1266), (395, 1269), (410, 1329), (416, 1347), (430, 1377), (447, 1407), (697, 1878), (767, 1980), (925, 2229), (952, 2277), (968, 2301), (1010, 2346),

Gene: Katzastrophic_3 Start: 938, Stop: 2503, Start Num: 127
Candidate Starts for Katzastrophic_3:
(Start: 127 @938 has 74 MA's), (222, 1094), (275, 1202), (305, 1280), (310, 1289), (321, 1316), (375, 1385), (394, 1436), (410, 1499), (447, 1577), (579, 1850), (668, 1988), (748, 2117), (749, 2120), (959, 2420), (1018, 2495),

Gene: KayPaulus_3 Start: 1071, Stop: 2531, Start Num: 106

Candidate Starts for KayPaulus_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (417, 1677), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (955, 2523),

Gene: Keelan_32 Start: 9783, Stop: 11189, Start Num: 179
Candidate Starts for Keelan_32:
(143, 9726), (157, 9747), (Start: 179 @9783 has 6 MA's), (184, 9795), (266, 9969), (269, 9978), (281, 10005), (303, 10062), (327, 10116), (393, 10242), (395, 10248), (400, 10266), (407, 10290), (500, 10464), (546, 10521), (566, 10557), (617, 10635), (661, 10698), (705, 10761), (732, 10800), (802, 10893), (829, 10938), (840, 10956), (849, 10971),

Gene: Keiki_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for Keiki_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (241, 528), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (556, 1206), (566, 1227), (605, 1293), (624, 1314), (654, 1356), (673, 1398), (711, 1467), (723, 1485), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (818, 1602), (830, 1626), (885, 1704), (887, 1707), (897, 1719), (951, 1797), (956, 1806), (972, 1827), (1010, 1875), (1014, 1881),

Gene: Kels_2 Start: 349, Stop: 1851, Start Num: 94
Candidate Starts for Kels_2:
(Start: 94 @349 has 2 MA's), (115, 373), (Start: 207 @508 has 1 MA's), (212, 520), (Start: 216 @526 has 4 MA's), (220, 535), (261, 598), (267, 628), (270, 637), (276, 655), (318, 754), (324, 766), (346, 799), (394, 880), (408, 928), (441, 1009), (540, 1144), (578, 1210), (583, 1222), (601, 1255), (615, 1279), (697, 1411), (709, 1438), (776, 1531), (836, 1615), (841, 1624), (914, 1708), (925, 1723), (959, 1783), (985, 1813),

Gene: KendraB23_4 Start: 958, Stop: 2538, Start Num: 135
Candidate Starts for KendraB23_4:
(Start: 81 @892 has 7 MA's), (Start: 135 @958 has 10 MA's), (Start: 198 @1054 has 7 MA's), (202, 1063), (226, 1117), (261, 1156), (270, 1195), (275, 1210), (283, 1234), (295, 1255), (396, 1456), (410, 1507), (416, 1525), (436, 1567), (449, 1588), (474, 1648), (488, 1678), (491, 1687), (523, 1750), (657, 1978), (676, 2017), (688, 2044), (697, 2059), (711, 2089), (747, 2128), (793, 2206), (810, 2236), (825, 2263), (950, 2446), (952, 2452), (964, 2473), (1012, 2527),

Gene: Kenna_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for Kenna_3:
(132, 664), (Start: 154 @673 has 76 MA's), (Start: 210 @775 has 1 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (225, 808), (240, 847), (241, 853), (253, 886), (267, 934), (268, 937), (271, 946), (287, 979), (288, 982), (302, 1024), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (408, 1249), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (441, 1324), (445, 1330), (495, 1399), (497, 1411), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (640, 1657), (658, 1681), (698, 1759), (714, 1786), (722, 1795), (823, 1933), (829, 1945), (842, 1963), (925, 2041), (930, 2047), (952, 2089), (960, 2101), (969, 2113), (1025, 2182),

Gene: Kenzers_3 Start: 677, Stop: 2305, Start Num: 127
Candidate Starts for Kenzers_3:

(Start: 127 @677 has 74 MA's), (222, 833), (275, 941), (309, 1025), (318, 1049), (334, 1067), (375, 1124), (394, 1175), (395, 1178), (410, 1238), (416, 1256), (430, 1286), (447, 1316), (688, 1772), (697, 1787), (925, 2138), (952, 2186), (1026, 2294),

Gene: Kepler_3 Start: 848, Stop: 2329, Start Num: 198
Candidate Starts for Kepler_3:
(Start: 81 @683 has 7 MA's), (Start: 198 @848 has 7 MA's), (217, 887), (257, 938), (261, 950), (269, 986), (275, 1004), (375, 1187), (387, 1220), (410, 1301), (415, 1313), (436, 1361), (449, 1382), (459, 1397), (481, 1454), (657, 1769), (688, 1835), (696, 1847), (711, 1880), (747, 1919), (754, 1931), (767, 1952), (793, 1997), (810, 2027), (833, 2072), (864, 2114), (884, 2141), (885, 2144), (950, 2237), (952, 2243), (964, 2264), (973, 2276), (1010, 2315), (1012, 2318),

Gene: Keshu_7 Start: 1473, Stop: 2897, Start Num: 164
Candidate Starts for Keshu_7:
(123, 1434), (Start: 156 @1461 has 11 MA's), (Start: 164 @1473 has 155 MA's), (Start: 210 @1560 has 1 MA's), (Start: 223 @1584 has 16 MA's), (255, 1668), (259, 1677), (271, 1725), (277, 1743), (288, 1761), (304, 1812), (336, 1854), (341, 1860), (358, 1887), (391, 1965), (404, 2007), (407, 2016), (444, 2097), (457, 2115), (537, 2211), (561, 2259), (566, 2271), (581, 2301), (594, 2325), (601, 2337), (660, 2421), (680, 2463), (743, 2562), (745, 2565), (771, 2607), (782, 2622), (797, 2628), (812, 2649), (814, 2652), (952, 2829), (1015, 2892),

Gene: Kevanna_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Kevanna_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (417, 1677), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (955, 2523),

Gene: Kevin1_2 Start: 495, Stop: 2030, Start Num: 152
Candidate Starts for Kevin1_2:
(Start: 152 @495 has 34 MA's), (Start: 155 @498 has 19 MA's), (Start: 167 @513 has 2 MA's), (197, 570), (209, 588), (Start: 216 @600 has 4 MA's), (250, 672), (266, 720), (269, 729), (295, 792), (322, 864), (351, 912), (393, 1011), (400, 1035), (408, 1062), (442, 1134), (452, 1149), (462, 1167), (520, 1275), (534, 1299), (566, 1362), (617, 1446), (658, 1503), (664, 1518), (692, 1575), (701, 1593), (715, 1620), (752, 1689), (801, 1746), (816, 1755), (836, 1776), (857, 1809), (868, 1824), (884, 1845), (897, 1860), (952, 1941), (956, 1947),

Gene: Khuang_2 Start: 390, Stop: 1988, Start Num: 103
Candidate Starts for Khuang_2:
(Start: 53 @318 has 1 MA's), (103, 390), (185, 507), (261, 630), (295, 759), (375, 918), (395, 972), (409, 1029), (436, 1092), (572, 1341), (589, 1371), (595, 1383), (657, 1470), (668, 1494), (674, 1503), (676, 1509), (691, 1542), (705, 1569), (706, 1572), (754, 1632), (811, 1704), (845, 1767), (884, 1788), (890, 1797), (920, 1836), (1001, 1950), (1004, 1956),

Gene: KiSi_7 Start: 1481, Stop: 2905, Start Num: 164
Candidate Starts for KiSi_7:
(Start: 164 @1481 has 155 MA's), (Start: 210 @1568 has 1 MA's), (Start: 223 @1592 has 16 MA's), (224, 1598), (255, 1676), (259, 1685), (271, 1733), (277, 1751), (288, 1769), (304, 1820), (335, 1859), (358, 1895), (391, 1973), (404, 2015), (407, 2024), (444, 2105), (537, 2219), (558, 2261), (561, 2267), (566, 2279), (581, 2309), (594, 2333), (601, 2345), (606, 2360), (660, 2429), (680, 2471), (743, 2570), (766, 2603), (767, 2606), (799, 2642), (814, 2660), (957, 2843), (1012, 2894),

Gene: Kieran_3 Start: 938, Stop: 2563, Start Num: 120

Candidate Starts for Kieran_3:
(1, 410), (Start: 120 @938 has 2 MA's), (Start: 127 @944 has 74 MA's), (222, 1100), (269, 1190), (275, 1208), (280, 1223), (309, 1292), (318, 1316), (334, 1334), (375, 1391), (394, 1442), (395, 1445), (410, 1505), (417, 1526), (430, 1553), (447, 1583), (618, 1922), (696, 2045), (896, 2360), (925, 2399), (1010, 2516),

Gene: Kihatsu_7 Start: 2288, Stop: 3994, Start Num: 112
Candidate Starts for Kihatsu_7:
(70, 2231), (Start: 96 @2267 has 8 MA's), (Start: 112 @2288 has 27 MA's), (185, 2411), (Start: 198 @2432 has 7 MA's), (204, 2447), (222, 2480), (258, 2525), (259, 2528), (269, 2570), (275, 2588), (276, 2591), (295, 2633), (334, 2714), (335, 2717), (375, 2771), (410, 2885), (449, 2966), (475, 3032), (478, 3041), (540, 3203), (572, 3269), (579, 3284), (668, 3455), (697, 3512), (720, 3554), (749, 3587), (776, 3626), (807, 3668), (890, 3767), (903, 3785), (905, 3788), (910, 3794), (950, 3857), (1026, 3983),

Gene: Kiko_2 Start: 407, Stop: 2017, Start Num: 116
Candidate Starts for Kiko_2:
(Start: 116 @407 has 12 MA's), (233, 593), (288, 728), (304, 776), (356, 848), (410, 1001), (431, 1043), (451, 1073), (493, 1136), (520, 1187), (556, 1259), (561, 1268), (563, 1271), (568, 1289), (580, 1319), (628, 1394), (672, 1481), (689, 1514), (714, 1559), (741, 1601), (785, 1670), (799, 1679), (811, 1697), (854, 1769), (878, 1805), (911, 1847), (926, 1868), (931, 1874),

Gene: KilKor_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for KilKor_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (658, 1522), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: KillerTomato_3 Start: 1125, Stop: 2585, Start Num: 106
Candidate Starts for KillerTomato_3:
(Start: 106 @1125 has 126 MA's), (Start: 111 @1131 has 9 MA's), (217, 1293), (222, 1302), (258, 1362), (278, 1431), (290, 1452), (305, 1503), (409, 1707), (501, 1842), (540, 1920), (546, 1935), (567, 1971), (588, 2013), (605, 2046), (621, 2064), (692, 2184), (694, 2187), (699, 2199), (749, 2274), (788, 2337), (799, 2355), (801, 2358), (919, 2520), (934, 2538), (955, 2577),

Gene: Kimberlium_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Kimberlium_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (251, 881), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (288, 980), (290, 983), (302, 1022), (310, 1043), (333, 1070), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102),

Gene: Kinbote_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Kinbote_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010,

3469),

Gene: KingBob_2 Start: 428, Stop: 1993, Start Num: 75
Candidate Starts for KingBob_2:
(Start: 75 @428 has 75 MA's), (Start: 196 @599 has 2 MA's), (257, 692), (260, 701), (267, 734), (272, 749), (275, 758), (283, 782), (305, 836), (364, 947), (393, 1013), (395, 1019), (410, 1079), (436, 1139), (456, 1169), (519, 1268), (615, 1442), (623, 1451), (657, 1487), (660, 1493), (677, 1529), (696, 1565), (711, 1598), (747, 1637), (749, 1643), (845, 1784), (925, 1859), (973, 1940), (1010, 1979),

Gene: KingPhillip3_28 Start: 13074, Stop: 14588, Start Num: 86
Candidate Starts for KingPhillip3_28:
(Start: 86 @13074 has 18 MA's), (Start: 88 @13077 has 18 MA's), (Start: 210 @13257 has 1 MA's), (245, 13350), (270, 13425), (283, 13458), (295, 13485), (304, 13515), (391, 13668), (394, 13674), (404, 13710), (407, 13719), (444, 13800), (450, 13809), (452, 13812), (495, 13851), (534, 13908), (550, 13944), (553, 13947), (656, 14103), (660, 14112), (692, 14181), (697, 14190), (703, 14196), (722, 14229), (745, 14265), (814, 14352), (825, 14373), (888, 14436), (891, 14439), (894, 14442), (905, 14460), (925, 14481), (952, 14523), (985, 14559), (1005, 14571),

Gene: Kingsley_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Kingsley_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Kingsolomon_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for Kingsolomon_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: KirDoubleO7_3 Start: 1202, Stop: 2767, Start Num: 84
Candidate Starts for KirDoubleO7_3:
(Start: 50 @1151 has 4 MA's), (57, 1160), (Start: 84 @1202 has 63 MA's), (Start: 88 @1208 has 18 MA's), (199, 1379), (257, 1484), (261, 1496), (317, 1652), (321, 1661), (322, 1664), (324, 1667), (372, 1742), (391, 1796), (393, 1799), (394, 1802), (503, 2024), (509, 2033), (553, 2108), (564, 2129), (566, 2135), (578, 2162), (608, 2204), (642, 2228), (654, 2246), (658, 2255), (660, 2261), (717, 2375), (743, 2414), (747, 2420), (799, 2486), (833, 2540), (856, 2576), (865, 2588), (909, 2627), (977, 2714), (1012, 2759), (1014, 2762),

Gene: Kittykat_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Kittykat_2:
(Start: 75 @426 has 75 MA's), (257, 690), (259, 696), (270, 741), (275, 756), (277, 762), (283, 780), (393, 1011), (395, 1017), (410, 1077), (443, 1149), (499, 1236), (519, 1266), (526, 1281), (581, 1380), (615, 1440), (623, 1449), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (831, 1755), (843, 1779), (925, 1857), (1010, 1977), (1015, 1986),

Gene: Klein_10 Start: 3688, Stop: 5220, Start Num: 152
Candidate Starts for Klein_10:
(91, 3604), (Start: 122 @3646 has 2 MA's), (128, 3655), (Start: 152 @3688 has 34 MA's), (224, 3802), (246, 3865), (260, 3898), (261, 3901), (270, 3940), (272, 3946), (302, 4021), (304, 4030), (371, 4132), (386, 4171), (398, 4204), (534, 4453), (566, 4516), (578, 4543), (674, 4702), (692, 4738), (705, 4759), (709, 4768), (714, 4777), (752, 4831), (769, 4855), (844, 4936), (952, 5089), (959, 5101),

Gene: KleverKiS_14 Start: 4715, Stop: 6259, Start Num: 112
Candidate Starts for KleverKiS_14:
(Start: 112 @4715 has 27 MA's), (143, 4763), (224, 4904), (258, 4964), (304, 5102), (403, 5294), (517, 5504), (546, 5555), (582, 5627), (658, 5690), (667, 5714), (675, 5729), (705, 5789), (711, 5801), (743, 5861), (766, 5894), (797, 5927), (814, 5954), (841, 6002), (977, 6188), (995, 6209),

Gene: Kojax4_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Kojax4_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Korra_5 Start: 3082, Stop: 4647, Start Num: 75
Candidate Starts for Korra_5:
(Start: 75 @3082 has 75 MA's), (Start: 216 @3292 has 4 MA's), (257, 3346), (272, 3403), (275, 3412), (387, 3652), (393, 3667), (395, 3673), (410, 3733), (436, 3793), (499, 3892), (519, 3922), (526, 3937), (572, 4018), (615, 4096), (623, 4105), (657, 4141), (676, 4180), (691, 4213), (697, 4222), (709, 4249), (754, 4303), (780, 4345), (820, 4390), (831, 4411), (843, 4435), (925, 4513), (1010, 4633),

Gene: Kratio_5 Start: 1088, Stop: 2515, Start Num: 172
Candidate Starts for Kratio_5:
(Start: 172 @1088 has 22 MA's), (201, 1145), (Start: 210 @1166 has 1 MA's), (Start: 223 @1190 has 16 MA's), (255, 1274), (259, 1283), (261, 1289), (271, 1331), (277, 1349), (288, 1367), (304, 1418), (335, 1457), (358, 1493), (391, 1571), (404, 1613), (407, 1622), (408, 1625), (444, 1703), (537, 1817), (561, 1865), (566, 1877), (581, 1907), (601, 1943), (617, 1970), (660, 2027), (697, 2111), (711, 2135), (766, 2213), (814, 2270), (827, 2294), (842, 2318), (952, 2447), (1012, 2504),

Gene: Kraw_9 Start: 2570, Stop: 3910, Start Num: 223
Candidate Starts for Kraw_9:
(Start: 164 @2465 has 155 MA's), (Start: 223 @2570 has 16 MA's), (255, 2654), (259, 2663), (271, 2711), (276, 2726), (288, 2753), (304, 2804), (313, 2822), (341, 2852), (358, 2879), (391, 2957), (404, 2999), (407, 3008), (408, 3011), (444, 3089), (450, 3098), (494, 3137), (537, 3203), (561, 3251), (581, 3293), (660, 3410), (678, 3452), (697, 3497), (743, 3566), (771, 3611), (797, 3632), (814, 3656), (952, 3833), (1012, 3899), (1015, 3905),

Gene: Krili_30 Start: 13244, Stop: 14758, Start Num: 86
Candidate Starts for Krili_30:
(Start: 86 @13244 has 18 MA's), (Start: 88 @13247 has 18 MA's), (Start: 210 @13427 has 1 MA's), (245, 13520), (270, 13595), (283, 13628), (295, 13655), (304, 13685), (391, 13838), (394, 13844), (404, 13880), (407, 13889), (444, 13970), (450, 13979), (452, 13982), (495, 14021), (534, 14078), (550, 14114), (553, 14117), (656, 14273), (660, 14282), (692, 14351), (697, 14360), (703, 14366), (722, 14399), (745, 14435), (814, 14522), (825, 14543), (888, 14606), (891, 14609), (894, 14612), (905, 14630), (925, 14651), (952, 14693), (985, 14729), (1005, 14741),

Gene: Kropertea_4 Start: 771, Stop: 2327, Start Num: 88

Candidate Starts for Kropertea_4:
(Start: 84 @765 has 63 MA's), (Start: 88 @771 has 18 MA's), (190, 921), (225, 987), (242, 1017), (261, 1053), (262, 1056), (272, 1098), (324, 1224), (407, 1407), (442, 1482), (517, 1608), (529, 1629), (542, 1653), (546, 1659), (564, 1689), (566, 1695), (582, 1731), (608, 1764), (642, 1788), (660, 1821), (692, 1887), (717, 1935), (723, 1944), (735, 1959), (747, 1980), (799, 2046), (865, 2148), (972, 2268), (977, 2274), (995, 2295), (1012, 2319),

Gene: Krueger_7 Start: 1519, Stop: 2946, Start Num: 164
Candidate Starts for Krueger_7:
(Start: 164 @1519 has 155 MA's), (Start: 210 @1609 has 1 MA's), (Start: 223 @1633 has 16 MA's), (224, 1639), (255, 1717), (259, 1726), (271, 1774), (277, 1792), (304, 1861), (335, 1900), (341, 1909), (358, 1936), (360, 1939), (391, 2014), (404, 2056), (407, 2065), (444, 2146), (494, 2194), (537, 2260), (558, 2302), (561, 2308), (566, 2320), (570, 2326), (581, 2350), (594, 2374), (597, 2380), (606, 2401), (660, 2470), (680, 2512), (741, 2605), (743, 2611), (745, 2614), (767, 2647), (797, 2677), (814, 2701), (842, 2749), (952, 2878), (1012, 2935), (1015, 2941),

Gene: Krypton555_5 Start: 1185, Stop: 2750, Start Num: 84
Candidate Starts for Krypton555_5:
(Start: 84 @1185 has 63 MA's), (Start: 88 @1191 has 18 MA's), (199, 1362), (257, 1467), (261, 1479), (317, 1635), (321, 1644), (322, 1647), (324, 1650), (372, 1725), (391, 1779), (393, 1782), (394, 1785), (509, 2016), (564, 2112), (566, 2118), (608, 2187), (642, 2211), (654, 2229), (660, 2244), (675, 2277), (717, 2358), (743, 2397), (747, 2403), (799, 2469), (833, 2523), (856, 2559), (865, 2571), (909, 2610), (977, 2697), (1012, 2742), (1014, 2745),

Gene: Ksquared_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Ksquared_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (616, 1478), (629, 1490), (658, 1535), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Kubed_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for Kubed_2:
(Start: 153 @378 has 47 MA's), (Start: 162 @390 has 5 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (504, 1134), (540, 1179), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (673, 1398), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (784, 1569), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: Kudefre_12 Start: 4947, Stop: 6422, Start Num: 153
Candidate Starts for Kudefre_12:
(Start: 153 @4947 has 47 MA's), (231, 5094), (257, 5133), (261, 5145), (303, 5268), (347, 5355), (374, 5412), (395, 5469), (407, 5511), (409, 5523), (422, 5547), (433, 5571), (460, 5613), (566, 5793), (590, 5835), (655, 5916), (675, 5961), (687, 5985), (709, 6030), (747, 6090), (801, 6153), (806, 6159), (848, 6231), (865, 6249), (877, 6267), (967, 6366), (980, 6384), (1003, 6414),

Gene: Kuleana_3 Start: 777, Stop: 2342, Start Num: 144
Candidate Starts for Kuleana_3:
(77, 690), (Start: 81 @696 has 7 MA's), (Start: 144 @777 has 1 MA's), (200, 864), (204, 876), (217, 900), (258, 954), (261, 963), (269, 999), (275, 1017), (375, 1200), (394, 1251), (396, 1263), (410,

1314), (415, 1326), (416, 1332), (436, 1374), (449, 1395), (459, 1410), (481, 1467), (657, 1782), (688, 1848), (711, 1893), (747, 1932), (751, 1941), (754, 1944), (767, 1965), (790, 2004), (793, 2010), (794, 2013), (873, 2142), (948, 2247), (950, 2250), (964, 2277), (968, 2280), (976, 2292), (986, 2301), (1010, 2328), (1012, 2331), (1014, 2334),

Gene: Kumao_13 Start: 4256, Stop: 5845, Start Num: 95
Candidate Starts for Kumao_13:
(Start: 95 @4256 has 6 MA's), (Start: 179 @4373 has 6 MA's), (230, 4472), (232, 4475), (281, 4610), (304, 4676), (321, 4715), (332, 4727), (378, 4787), (393, 4832), (403, 4868), (404, 4871), (407, 4880), (517, 5078), (539, 5111), (574, 5183), (590, 5204), (658, 5297), (660, 5303), (705, 5396), (709, 5405), (743, 5462), (747, 5468), (762, 5492), (814, 5555), (830, 5585), (865, 5636), (943, 5723), (972, 5768), (977, 5774), (993, 5792),

Gene: Kumotta_3 Start: 1020, Stop: 2465, Start Num: 169
Candidate Starts for Kumotta_3:
(Start: 169 @1020 has 4 MA's), (225, 1125), (257, 1203), (259, 1209), (404, 1545), (407, 1554), (409, 1566), (426, 1596), (428, 1599), (444, 1635), (531, 1755), (542, 1782), (561, 1812), (640, 1941), (658, 1962), (660, 1968), (664, 1974), (665, 1980), (674, 1998), (745, 2118), (762, 2145), (816, 2208), (831, 2238), (891, 2292), (905, 2313), (1012, 2454),

Gene: KylieMac_5 Start: 787, Stop: 2277, Start Num: 104
Candidate Starts for KylieMac_5:
(Start: 104 @787 has 38 MA's), (145, 832), (Start: 207 @934 has 1 MA's), (220, 961), (257, 1012), (261, 1024), (267, 1054), (271, 1066), (276, 1081), (303, 1147), (324, 1192), (384, 1279), (393, 1303), (394, 1306), (395, 1309), (408, 1354), (415, 1378), (417, 1387), (456, 1453), (505, 1516), (513, 1528), (540, 1570), (549, 1588), (583, 1648), (615, 1705), (636, 1717), (651, 1741), (660, 1759), (697, 1837), (732, 1891), (767, 1945), (776, 1957), (780, 1966), (836, 2041), (841, 2050), (861, 2077), (914, 2134), (948, 2188), (999, 2260),

Gene: KyriosFaba_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for KyriosFaba_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Lahqtemish_3 Start: 769, Stop: 2394, Start Num: 127
Candidate Starts for Lahqtemish_3:
(Start: 127 @769 has 74 MA's), (222, 925), (275, 1033), (309, 1117), (335, 1162), (394, 1267), (410, 1330), (417, 1351), (447, 1408), (613, 1744), (697, 1876), (767, 1978), (925, 2227), (952, 2275), (1010, 2344),

Gene: Laila_5 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Laila_5:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (220, 974), (257, 1025), (261, 1037), (267, 1067), (271, 1079), (276, 1094), (303, 1160), (324, 1205), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (415, 1391), (417, 1400), (456, 1466), (505, 1529), (513, 1541), (540, 1583), (549, 1601), (583, 1661), (615, 1718), (636, 1730), (651, 1754), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (780, 1979), (836, 2054), (841, 2063), (861, 2090), (914, 2147), (948, 2201), (999, 2273),

Gene: Lakshmi_5 Start: 3282, Stop: 4673, Start Num: 198
Candidate Starts for Lakshmi_5:

(Start: 75 @3108 has 75 MA's), (Start: 198 @3282 has 7 MA's), (204, 3297), (Start: 216 @3318 has 4 MA's), (257, 3372), (260, 3381), (267, 3414), (275, 3438), (387, 3678), (393, 3693), (395, 3699), (410, 3759), (436, 3819), (499, 3918), (519, 3948), (526, 3963), (556, 4011), (572, 4044), (623, 4131), (676, 4206), (709, 4275), (767, 4350), (780, 4371), (806, 4392), (843, 4461), (885, 4488), (925, 4539), (948, 4578), (964, 4608), (973, 4620), (1010, 4659), (1015, 4668),

Gene: Lamberg_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Lamberg_2:
(Start: 93 @318 has 51 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Langerak_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Langerak_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (702, 1622), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Larva_6 Start: 1090, Stop: 2517, Start Num: 172
Candidate Starts for Larva_6:
(Start: 172 @1090 has 22 MA's), (201, 1147), (Start: 210 @1168 has 1 MA's), (Start: 223 @1192 has 16 MA's), (255, 1276), (259, 1285), (261, 1291), (277, 1351), (288, 1369), (304, 1420), (335, 1459), (391, 1573), (404, 1615), (407, 1624), (408, 1627), (444, 1705), (537, 1819), (561, 1867), (566, 1879), (581, 1909), (601, 1945), (617, 1972), (660, 2029), (697, 2113), (711, 2137), (766, 2215), (814, 2272), (827, 2296), (842, 2320), (952, 2449), (1012, 2506),

Gene: Lasagna_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Lasagna_2:
(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (260, 699), (267, 732), (272, 747), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: LastHope_8 Start: 1617, Stop: 3041, Start Num: 164
Candidate Starts for LastHope_8:
(89, 1533), (Start: 164 @1617 has 155 MA's), (Start: 210 @1704 has 1 MA's), (Start: 223 @1728 has 16 MA's), (224, 1734), (239, 1773), (255, 1812), (259, 1821), (261, 1827), (271, 1869), (277, 1887), (288, 1905), (304, 1956), (335, 1995), (341, 2004), (358, 2031), (360, 2034), (404, 2151), (407, 2160), (494, 2289), (537, 2355), (561, 2403), (566, 2415), (581, 2445), (594, 2469), (660, 2565), (743, 2706), (745, 2709), (767, 2742), (797, 2772), (814, 2796), (891, 2883), (952, 2973), (1012, 3030), (1015, 3036),

Gene: LaterM_8 Start: 1568, Stop: 2989, Start Num: 164
Candidate Starts for LaterM_8:
(98, 1496), (Start: 156 @1556 has 11 MA's), (Start: 164 @1568 has 155 MA's), (Start: 223 @1679 has 16 MA's), (224, 1685), (255, 1763), (259, 1772), (271, 1820), (277, 1838), (288, 1856), (304, 1907), (336, 1949), (341, 1955), (358, 1982), (360, 1985), (391, 2060), (404, 2102), (407, 2111), (444, 2192), (537, 2306), (561, 2354), (566, 2366), (581, 2396), (594, 2420), (601, 2432), (606, 2447), (660, 2516), (745, 2660), (767, 2693), (814, 2747), (952, 2924), (1012, 2978),

Gene: Lauchelly_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for Lauchelly_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (444, 1041), (446, 1044), (455, 1053), (504, 1134), (521, 1155), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (805, 1584), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (844, 1647), (885, 1704), (887, 1707), (897, 1719), (951, 1797), (959, 1812), (972, 1827), (977, 1833), (1010, 1875), (1014, 1881),

Gene: LaviMo_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for LaviMo_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: LeBron_4 Start: 1059, Stop: 2636, Start Num: 88
Candidate Starts for LeBron_4:
(Start: 84 @1053 has 63 MA's), (Start: 88 @1059 has 18 MA's), (199, 1230), (245, 1317), (257, 1335), (259, 1341), (267, 1377), (322, 1515), (324, 1518), (372, 1593), (393, 1650), (394, 1653), (481, 1821), (503, 1875), (509, 1884), (517, 1899), (529, 1920), (553, 1959), (564, 1980), (566, 1986), (578, 2013), (608, 2055), (642, 2079), (654, 2097), (658, 2106), (660, 2112), (675, 2145), (692, 2178), (711, 2217), (714, 2223), (717, 2226), (747, 2271), (799, 2337), (830, 2388), (839, 2403), (845, 2412), (856, 2427), (857, 2430), (952, 2532), (972, 2559), (1012, 2610), (1014, 2613),

Gene: LeMond_7 Start: 1481, Stop: 2905, Start Num: 164
Candidate Starts for LeMond_7:
(Start: 164 @1481 has 155 MA's), (Start: 210 @1568 has 1 MA's), (Start: 223 @1592 has 16 MA's), (224, 1598), (255, 1676), (259, 1685), (261, 1691), (271, 1733), (277, 1751), (288, 1769), (304, 1820), (335, 1859), (358, 1895), (391, 1973), (404, 2015), (407, 2024), (444, 2105), (537, 2219), (558, 2261), (561, 2267), (566, 2279), (581, 2309), (594, 2333), (601, 2345), (606, 2360), (660, 2429), (680, 2471), (743, 2570), (766, 2603), (767, 2606), (799, 2642), (814, 2660), (1012, 2894),

Gene: Lea83_8 Start: 1476, Stop: 2912, Start Num: 156
Candidate Starts for Lea83_8:
(Start: 156 @1476 has 11 MA's), (Start: 164 @1488 has 155 MA's), (Start: 210 @1575 has 1 MA's), (Start: 223 @1599 has 16 MA's), (255, 1683), (259, 1692), (271, 1740), (277, 1758), (288, 1776), (304, 1827), (336, 1869), (341, 1875), (358, 1902), (391, 1980), (404, 2022), (407, 2031), (444, 2112), (457, 2130), (537, 2226), (561, 2274), (566, 2286), (581, 2316), (594, 2340), (601, 2352), (660, 2436), (680, 2478), (743, 2577), (745, 2580), (771, 2622), (782, 2637), (797, 2643), (812, 2664), (814, 2667), (952, 2844), (1015, 2907),

Gene: Leafy_3 Start: 1092, Stop: 2552, Start Num: 106
Candidate Starts for Leafy_3:
(Start: 106 @1092 has 126 MA's), (Start: 111 @1098 has 9 MA's), (217, 1260), (222, 1269), (258, 1329), (278, 1398), (290, 1419), (305, 1470), (409, 1674), (501, 1809), (540, 1887), (546, 1902), (567, 1938), (588, 1980), (605, 2013), (621, 2031), (692, 2151), (694, 2154), (699, 2166), (749, 2241), (788, 2304), (799, 2322), (801, 2325), (919, 2487), (928, 2496), (934, 2505), (955, 2544),

Gene: Lebo14_9 Start: 2583, Stop: 3923, Start Num: 223

Candidate Starts for Lebo14_9:
(Start: 164 @2478 has 155 MA's), (Start: 223 @2583 has 16 MA's), (255, 2667), (259, 2676), (267, 2712), (271, 2724), (276, 2739), (288, 2766), (304, 2817), (313, 2835), (341, 2865), (358, 2892), (391, 2970), (404, 3012), (407, 3021), (408, 3024), (444, 3102), (450, 3111), (494, 3150), (537, 3216), (561, 3264), (581, 3306), (660, 3423), (678, 3465), (697, 3510), (743, 3579), (771, 3624), (797, 3645), (814, 3669), (952, 3846), (1012, 3912), (1015, 3918),

Gene: Lederberg_2 Start: 374, Stop: 1957, Start Num: 121
Candidate Starts for Lederberg_2:
(Start: 118 @371 has 4 MA's), (Start: 121 @374 has 4 MA's), (Start: 127 @380 has 74 MA's), (225, 551), (257, 629), (260, 638), (322, 812), (389, 914), (391, 920), (395, 929), (396, 938), (414, 998), (435, 1046), (436, 1049), (502, 1112), (546, 1205), (581, 1271), (678, 1427), (686, 1445), (712, 1490), (735, 1532), (757, 1568), (766, 1583), (783, 1610), (786, 1613), (792, 1628), (809, 1661), (819, 1676), (845, 1724), (876, 1754), (891, 1772), (943, 1847), (990, 1922), (1011, 1946),

Gene: LemonPepper_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for LemonPepper_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Lemuria_2 Start: 376, Stop: 1959, Start Num: 87
Candidate Starts for Lemuria_2:
(Start: 87 @376 has 20 MA's), (201, 553), (258, 685), (288, 772), (304, 823), (309, 832), (322, 862), (343, 874), (374, 925), (394, 982), (404, 1018), (409, 1039), (444, 1108), (450, 1117), (561, 1270), (630, 1393), (660, 1444), (722, 1552), (745, 1594), (766, 1624), (771, 1636), (782, 1651), (812, 1678), (814, 1681), (825, 1702), (872, 1759), (877, 1765), (886, 1777), (888, 1780), (1012, 1948), (1015, 1954),

Gene: Lennox_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Lennox_2:
(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (257, 690), (267, 732), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (806, 1710), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: Lenoxika_6 Start: 1956, Stop: 3656, Start Num: 112
Candidate Starts for Lenoxika_6:
(70, 1899), (Start: 96 @1935 has 8 MA's), (Start: 112 @1956 has 27 MA's), (168, 2031), (185, 2079), (Start: 198 @2100 has 7 MA's), (204, 2115), (222, 2148), (258, 2193), (269, 2238), (275, 2256), (276, 2259), (277, 2262), (335, 2385), (375, 2439), (410, 2553), (436, 2613), (449, 2634), (540, 2865), (572, 2931), (579, 2946), (668, 3117), (685, 3156), (691, 3165), (697, 3174), (720, 3216), (776, 3288), (807, 3330), (831, 3372), (884, 3420), (903, 3447), (905, 3450), (910, 3456), (925, 3477), (950, 3519), (1004, 3597), (1026, 3645),

Gene: Leona_2 Start: 373, Stop: 1995, Start Num: 96
Candidate Starts for Leona_2:
(Start: 81 @352 has 7 MA's), (Start: 96 @373 has 8 MA's), (257, 604), (261, 616), (269, 652), (275, 670), (277, 676), (305, 748), (396, 916), (410, 967), (419, 991), (436, 1027), (449, 1048), (459, 1063), (481, 1123), (523, 1207), (651, 1423), (657, 1435), (688, 1501), (691, 1507), (711, 1546), (747, 1585), (749, 1591), (767, 1618), (793, 1663), (950, 1903), (964, 1930), (982, 1951), (1010, 1981), (1012, 1984),

Gene: Leozinho_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Leozinho_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Leroy_3 Start: 674, Stop: 2191, Start Num: 154
Candidate Starts for Leroy_3:
(132, 665), (Start: 154 @674 has 76 MA's), (218, 791), (Start: 223 @800 has 16 MA's), (225, 809), (241, 854), (253, 887), (268, 938), (271, 947), (288, 983), (302, 1025), (310, 1046), (316, 1058), (333, 1073), (342, 1091), (344, 1094), (345, 1097), (358, 1118), (374, 1145), (394, 1202), (407, 1247), (409, 1259), (420, 1280), (428, 1292), (439, 1319), (445, 1331), (497, 1412), (537, 1484), (546, 1508), (566, 1544), (579, 1571), (597, 1604), (640, 1658), (698, 1760), (714, 1787), (823, 1934), (829, 1946), (842, 1964), (925, 2042), (927, 2045), (930, 2048), (960, 2102), (969, 2114),

Gene: Leston_6 Start: 1351, Stop: 2778, Start Num: 172
Candidate Starts for Leston_6:
(89, 1258), (Start: 172 @1351 has 22 MA's), (201, 1408), (Start: 210 @1429 has 1 MA's), (Start: 223 @1453 has 16 MA's), (255, 1537), (259, 1546), (261, 1552), (271, 1594), (277, 1612), (288, 1630), (304, 1681), (358, 1756), (391, 1834), (404, 1876), (407, 1885), (408, 1888), (444, 1966), (537, 2080), (561, 2128), (581, 2170), (594, 2194), (601, 2206), (617, 2233), (655, 2278), (660, 2290), (741, 2437), (766, 2476), (814, 2533), (827, 2557), (842, 2581), (877, 2605), (950, 2704), (952, 2710), (1012, 2767),

Gene: Leviosa_2 Start: 380, Stop: 1891, Start Num: 153
Candidate Starts for Leviosa_2:
(Start: 153 @380 has 47 MA's), (177, 419), (186, 437), (214, 482), (225, 509), (226, 512), (254, 560), (259, 569), (261, 575), (270, 614), (272, 620), (288, 653), (295, 671), (303, 695), (304, 701), (321, 740), (326, 749), (328, 752), (344, 791), (345, 794), (372, 854), (378, 863), (393, 908), (394, 911), (400, 932), (404, 947), (407, 956), (409, 968), (434, 1028), (444, 1043), (446, 1046), (448, 1049), (464, 1070), (540, 1181), (556, 1208), (566, 1229), (605, 1295), (624, 1316), (648, 1346), (654, 1358), (673, 1400), (711, 1469), (717, 1478), (738, 1505), (754, 1532), (768, 1553), (769, 1556), (771, 1559), (784, 1571), (805, 1586), (816, 1601), (818, 1604), (830, 1628), (885, 1706), (887, 1709), (897, 1721), (951, 1799), (959, 1814), (977, 1835), (1010, 1877), (1014, 1883),

Gene: Lewan_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Lewan_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (272, 1408), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Liefie_2 Start: 454, Stop: 1890, Start Num: 173
Candidate Starts for Liefie_2:
(Start: 87 @358 has 20 MA's), (Start: 173 @454 has 42 MA's), (Start: 175 @457 has 3 MA's), (Start: 191 @493 has 1 MA's), (Start: 210 @532 has 1 MA's), (271, 694), (304, 781), (309, 790), (317, 808), (335, 820), (394, 940), (404, 976), (409, 997), (420, 1018), (444, 1066), (450, 1075), (561, 1228), (591, 1288), (602, 1306), (645, 1357), (660, 1384), (666, 1399), (667, 1402), (670, 1408), (714, 1483), (742,

1528), (799, 1603), (814, 1621), (825, 1642), (872, 1687), (886, 1705), (888, 1708), (952, 1801), (957, 1807), (1014, 1882),

Gene: LilBandit_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for LilBandit_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (434, 1026), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (704, 1452), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (830, 1626), (885, 1704), (887, 1707), (897, 1719), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: LilDestine_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for LilDestine_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: LilHazelnut_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for LilHazelnut_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: LilPharaoh_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for LilPharaoh_4:
(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341, 1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: LilSpotty_2 Start: 328, Stop: 1785, Start Num: 96
Candidate Starts for LilSpotty_2:
(47, 259), (58, 274), (65, 283), (Start: 96 @328 has 8 MA's), (Start: 189 @424 has 6 MA's), (Start: 191 @427 has 1 MA's), (Start: 223 @487 has 16 MA's), (238, 529), (240, 535), (263, 598), (274, 637), (276, 643), (283, 658), (294, 682), (305, 718), (309, 724), (390, 862), (391, 868), (394, 874), (400, 895), (407, 919), (412, 937), (426, 961), (428, 964), (497, 1063), (518, 1090), (556, 1153), (558, 1156), (617, 1264), (670, 1333), (672, 1336), (692, 1369), (708, 1390), (716, 1402), (719, 1405), (741, 1441), (742, 1444), (743, 1447), (767, 1480), (782, 1504), (879, 1609), (919, 1657), (937, 1678), (943, 1684), (950, 1702), (952, 1708), (955, 1711), (957, 1714), (978, 1738), (1002, 1762), (1012, 1774),

Gene: LilStuart_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for LilStuart_2:

(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (260, 699), (267, 732), (272, 747), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: LilhomieP_13 Start: 4719, Stop: 6263, Start Num: 112
Candidate Starts for LilhomieP_13:
(Start: 112 @4719 has 27 MA's), (143, 4767), (258, 4968), (304, 5106), (403, 5298), (517, 5508), (546, 5559), (582, 5631), (658, 5694), (667, 5718), (675, 5733), (705, 5793), (711, 5805), (743, 5865), (766, 5898), (797, 5931), (814, 5958), (841, 6006), (977, 6192), (995, 6213),

Gene: LimaBean_3 Start: 689, Stop: 2317, Start Num: 127
Candidate Starts for LimaBean_3:
(Start: 127 @689 has 74 MA's), (222, 845), (275, 953), (309, 1037), (334, 1079), (375, 1136), (394, 1187), (395, 1190), (410, 1250), (416, 1268), (430, 1298), (447, 1328), (688, 1784), (697, 1799), (925, 2150), (952, 2198), (1026, 2306),

Gene: LindNT_8 Start: 1562, Stop: 2983, Start Num: 164
Candidate Starts for LindNT_8:
(98, 1490), (Start: 156 @1550 has 11 MA's), (Start: 164 @1562 has 155 MA's), (Start: 223 @1673 has 16 MA's), (224, 1679), (255, 1757), (259, 1766), (271, 1814), (277, 1832), (304, 1901), (336, 1943), (341, 1949), (358, 1976), (360, 1979), (404, 2096), (407, 2105), (444, 2186), (537, 2300), (561, 2348), (566, 2360), (581, 2390), (594, 2414), (601, 2426), (658, 2504), (660, 2510), (745, 2654), (767, 2687), (814, 2741), (952, 2918), (1012, 2972),

Gene: Link_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Link_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 198 @929 has 7 MA's), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: LionelHutz_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for LionelHutz_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: LitninMcQueen_3 Start: 671, Stop: 2188, Start Num: 154
Candidate Starts for LitninMcQueen_3:
(132, 662), (Start: 154 @671 has 76 MA's), (218, 788), (Start: 223 @797 has 16 MA's), (225, 806), (241, 851), (246, 869), (253, 884), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (313, 1049), (333, 1070), (342, 1088), (344, 1091), (345, 1094), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (409, 1256), (412, 1262), (420, 1277), (428, 1289), (445, 1328), (497, 1409), (520, 1451), (563, 1532), (566, 1541), (579, 1568), (617, 1634), (640, 1655), (698, 1757), (714, 1784), (823, 1931), (829, 1943), (842, 1961), (925, 2039), (927, 2042), (930, 2045), (952, 2087), (960, 2099), (969, 2111),

Gene: Litotes_5 Start: 3057, Stop: 4625, Start Num: 75

Candidate Starts for Litotes_5:
(Start: 75 @3057 has 75 MA's), (202, 3243), (217, 3273), (257, 3324), (261, 3336), (267, 3366), (275, 3390), (283, 3414), (334, 3516), (375, 3597), (393, 3645), (410, 3711), (430, 3759), (435, 3768), (499, 3870), (519, 3900), (538, 3939), (589, 4026), (657, 4119), (691, 4191), (709, 4227), (780, 4323), (831, 4389), (869, 4419), (873, 4425), (925, 4491), (1010, 4611),

Gene: LittleShirley_3 Start: 798, Stop: 2159, Start Num: 223
Candidate Starts for LittleShirley_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (224, 804), (240, 846), (241, 852), (253, 885), (257, 891), (259, 897), (268, 936), (276, 960), (287, 978), (288, 981), (302, 1023), (310, 1044), (333, 1071), (337, 1080), (342, 1089), (344, 1092), (374, 1143), (400, 1221), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (441, 1323), (445, 1329), (495, 1398), (496, 1404), (513, 1437), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (684, 1743), (714, 1788), (766, 1860), (800, 1899), (823, 1935), (826, 1941), (842, 1965), (882, 1995), (888, 2001), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: LittleTokyo_3 Start: 691, Stop: 2322, Start Num: 81
Candidate Starts for LittleTokyo_3:
(25, 580), (77, 685), (Start: 81 @691 has 7 MA's), (105, 724), (Start: 207 @865 has 1 MA's), (217, 886), (257, 937), (261, 949), (269, 985), (275, 1003), (277, 1009), (283, 1027), (375, 1186), (394, 1237), (410, 1300), (436, 1360), (449, 1381), (481, 1453), (540, 1579), (572, 1639), (618, 1720), (638, 1735), (651, 1756), (676, 1807), (697, 1849), (711, 1879), (747, 1918), (751, 1927), (793, 1996), (857, 2098), (864, 2107), (868, 2113), (884, 2134), (885, 2137), (903, 2161), (948, 2227), (950, 2230), (973, 2269), (1012, 2311),

Gene: Livingwater_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Livingwater_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (417, 1677), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (955, 2523),

Gene: LiyuLake_5 Start: 1193, Stop: 2758, Start Num: 84
Candidate Starts for LiyuLake_5:
(Start: 50 @1142 has 4 MA's), (57, 1151), (Start: 84 @1193 has 63 MA's), (Start: 88 @1199 has 18 MA's), (199, 1370), (218, 1403), (257, 1475), (259, 1481), (261, 1487), (317, 1643), (321, 1652), (322, 1655), (324, 1658), (372, 1733), (391, 1787), (393, 1790), (394, 1793), (503, 2015), (509, 2024), (553, 2099), (564, 2120), (566, 2126), (578, 2153), (608, 2195), (642, 2219), (654, 2237), (660, 2252), (717, 2366), (743, 2405), (747, 2411), (799, 2477), (856, 2567), (865, 2579), (909, 2618), (977, 2705), (1012, 2750), (1014, 2753),

Gene: Llorens_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Llorens_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Loadrie_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Loadrie_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963),

(546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Loca_3 Start: 1092, Stop: 2552, Start Num: 106
Candidate Starts for Loca_3:
(Start: 106 @1092 has 126 MA's), (Start: 111 @1098 has 9 MA's), (217, 1260), (222, 1269), (258, 1329), (278, 1398), (290, 1419), (305, 1470), (409, 1674), (501, 1809), (540, 1887), (546, 1902), (567, 1938), (588, 1980), (605, 2013), (621, 2031), (692, 2151), (694, 2154), (749, 2241), (788, 2304), (799, 2322), (801, 2325), (919, 2487), (928, 2496), (955, 2544),

Gene: Lola20_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Lola20_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (934, 2484), (955, 2523),

Gene: Lolly9_5 Start: 1196, Stop: 2761, Start Num: 84
Candidate Starts for Lolly9_5:
(Start: 84 @1196 has 63 MA's), (Start: 88 @1202 has 18 MA's), (199, 1373), (257, 1478), (261, 1490), (317, 1646), (321, 1655), (322, 1658), (324, 1661), (372, 1736), (391, 1790), (393, 1793), (394, 1796), (492, 1985), (509, 2027), (553, 2102), (564, 2123), (566, 2129), (608, 2198), (654, 2240), (658, 2249), (660, 2255), (717, 2369), (743, 2408), (747, 2414), (799, 2480), (833, 2534), (856, 2570), (865, 2582), (909, 2621), (977, 2708), (1012, 2753), (1014, 2756),

Gene: LordFarquaad_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for LordFarquaad_2:
(Start: 93 @318 has 51 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Lorde_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Lorde_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Lore_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Lore_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (220, 974), (257, 1025), (261, 1037), (267, 1067), (271, 1079), (276, 1094), (303, 1160), (324, 1205), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (415, 1391), (417, 1400), (456, 1466), (505, 1529), (513, 1541), (540, 1583), (549, 1601), (583, 1661), (615, 1718), (636, 1730), (651, 1754), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (780, 1979), (836, 2054), (841, 2063), (861, 2090), (914, 2147), (948, 2201), (999, 2273),

Gene: LouisV14_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for LouisV14_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: LouisXIV_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for LouisXIV_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Lton_2 Start: 501, Stop: 1940, Start Num: 191
Candidate Starts for Lton_2:
(74, 336), (117, 399), (134, 426), (137, 429), (139, 432), (Start: 156 @441 has 11 MA's), (Start: 191 @501 has 1 MA's), (204, 528), (Start: 210 @540 has 1 MA's), (217, 552), (241, 615), (251, 645), (257, 654), (258, 657), (263, 678), (288, 744), (290, 747), (304, 795), (309, 804), (310, 807), (374, 915), (386, 951), (394, 972), (401, 999), (407, 1017), (408, 1020), (422, 1062), (428, 1071), (461, 1134), (495, 1158), (496, 1164), (530, 1209), (556, 1260), (561, 1269), (563, 1272), (579, 1311), (581, 1314), (598, 1344), (658, 1416), (660, 1422), (692, 1494), (695, 1497), (715, 1530), (755, 1596), (758, 1599), (810, 1662), (827, 1692), (847, 1731), (857, 1734), (880, 1758), (892, 1770), (895, 1773), (945, 1839), (948, 1848), (950, 1851), (952, 1857), (957, 1863), (1012, 1929),

Gene: Lucky10_2 Start: 313, Stop: 1758, Start Num: 130
Candidate Starts for Lucky10_2:
(Start: 130 @313 has 2 MA's), (239, 484), (288, 616), (309, 676), (341, 715), (374, 769), (386, 805), (394, 826), (400, 847), (407, 871), (414, 895), (420, 904), (426, 913), (428, 916), (518, 1042), (558, 1108), (640, 1240), (645, 1246), (658, 1267), (660, 1273), (697, 1342), (727, 1384), (743, 1411), (782, 1471), (797, 1477), (814, 1501), (891, 1591), (950, 1675), (952, 1681), (957, 1687), (961, 1696),

Gene: Lucky2013_10 Start: 3458, Stop: 4990, Start Num: 152
Candidate Starts for Lucky2013_10:
(Start: 122 @3416 has 2 MA's), (128, 3425), (Start: 152 @3458 has 34 MA's), (224, 3572), (246, 3635), (260, 3668), (261, 3671), (270, 3710), (272, 3716), (302, 3791), (317, 3827), (371, 3902), (373, 3905), (386, 3941), (398, 3974), (534, 4223), (566, 4286), (578, 4313), (674, 4472), (692, 4508), (705, 4529), (709, 4538), (714, 4547), (752, 4601), (769, 4625), (952, 4859), (959, 4871),

Gene: Lucy_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Lucy_2:
(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (267, 732), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (456, 1167), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: Luke_5 Start: 1894, Stop: 3489, Start Num: 82
Candidate Starts for Luke_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509),

(451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Lumos_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for Lumos_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: Luna22_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Luna22_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Lunahalos_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Lunahalos_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Lunar_4 Start: 848, Stop: 2494, Start Num: 81
Candidate Starts for Lunar_4:
(Start: 81 @848 has 7 MA's), (Start: 198 @1013 has 7 MA's), (217, 1052), (257, 1103), (261, 1115), (269, 1151), (275, 1169), (375, 1352), (410, 1466), (415, 1478), (436, 1526), (449, 1547), (459, 1562), (481, 1619), (657, 1934), (688, 2000), (696, 2012), (711, 2045), (747, 2084), (751, 2093), (754, 2096), (793, 2162), (810, 2192), (833, 2237), (864, 2279), (884, 2306), (885, 2309), (950, 2402), (952, 2408), (964, 2429), (973, 2441), (1010, 2480), (1012, 2483),

Gene: Lunatic_3 Start: 1062, Stop: 2522, Start Num: 106
Candidate Starts for Lunatic_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (501, 1779), (540, 1857), (546, 1872), (557, 1890), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (705, 2148), (711, 2160), (749, 2211), (785, 2268), (788, 2274), (791, 2283), (799, 2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: Lutum_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for Lutum_3:
(132, 664), (Start: 154 @673 has 76 MA's), (Start: 210 @775 has 1 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (225, 808), (240, 847), (241, 853), (253, 886), (267, 934), (268, 937), (271, 946), (287,

979), (288, 982), (302, 1024), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (408, 1249), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (441, 1324), (445, 1330), (495, 1399), (497, 1411), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (640, 1657), (658, 1681), (698, 1759), (714, 1786), (722, 1795), (823, 1933), (829, 1945), (842, 1963), (925, 2041), (930, 2047), (952, 2089), (960, 2101), (969, 2113), (1025, 2182),

Gene: Luxx_3 Start: 1098, Stop: 2558, Start Num: 106
Candidate Starts for Luxx_3:
(Start: 106 @1098 has 126 MA's), (Start: 111 @1104 has 9 MA's), (217, 1266), (222, 1275), (258, 1335), (278, 1404), (290, 1425), (305, 1476), (409, 1680), (540, 1893), (546, 1908), (567, 1944), (588, 1986), (605, 2019), (621, 2037), (692, 2157), (694, 2160), (699, 2172), (749, 2247), (788, 2310), (799, 2328), (801, 2331), (919, 2493), (928, 2502), (934, 2511), (955, 2550),

Gene: Lynlen_3 Start: 677, Stop: 2305, Start Num: 127
Candidate Starts for Lynlen_3:
(Start: 127 @677 has 74 MA's), (222, 833), (275, 941), (309, 1025), (318, 1049), (334, 1067), (375, 1124), (394, 1175), (395, 1178), (410, 1238), (416, 1256), (430, 1286), (447, 1316), (688, 1772), (697, 1787), (925, 2138), (952, 2186), (1026, 2294),

Gene: Lysidious_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Lysidious_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (854, 1689), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: MAckerman_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for MAckerman_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: MEAK_2 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for MEAK_2:
(Start: 151 @370 has 1 MA's), (Start: 153 @373 has 47 MA's), (Start: 162 @385 has 5 MA's), (177, 412), (186, 430), (206, 457), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (267, 598), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (444, 1036), (446, 1039), (448, 1042), (464, 1063), (512, 1138), (521, 1150), (546, 1186), (556, 1201), (566, 1222), (654, 1351), (673, 1393), (711, 1462), (738, 1498), (754, 1525), (768, 1546), (771, 1552), (818, 1597), (827, 1615), (830, 1621), (863, 1666), (885, 1699), (887, 1702), (897, 1714), (951, 1792), (956, 1801), (986, 1837), (1010, 1870), (1014, 1876),

Gene: MOOREtheMARYer_2 Start: 351, Stop: 1937, Start Num: 87
Candidate Starts for MOOREtheMARYer_2:
(Start: 42 @288 has 3 MA's), (77, 336), (Start: 87 @351 has 20 MA's), (Start: 156 @438 has 11 MA's), (Start: 173 @462 has 42 MA's), (Start: 189 @498 has 6 MA's), (201, 519), (288, 738), (309, 798), (394, 963), (404, 999), (409, 1020), (422, 1044), (426, 1050), (444, 1089), (450, 1098), (561, 1251), (601,

1326), (660, 1425), (745, 1575), (773, 1620), (825, 1683), (877, 1734), (888, 1749), (952, 1842), (969, 1866), (983, 1884), (1014, 1929),

Gene: MacKat_8 Start: 1613, Stop: 3034, Start Num: 164
Candidate Starts for MacKat_8:
(98, 1541), (Start: 156 @1601 has 11 MA's), (Start: 164 @1613 has 155 MA's), (Start: 223 @1724 has 16 MA's), (224, 1730), (255, 1808), (259, 1817), (271, 1865), (277, 1883), (304, 1952), (336, 1994), (341, 2000), (358, 2027), (360, 2030), (404, 2147), (407, 2156), (444, 2237), (537, 2351), (561, 2399), (566, 2411), (581, 2441), (594, 2465), (601, 2477), (658, 2555), (660, 2561), (745, 2705), (767, 2738), (814, 2792), (952, 2969), (1012, 3023),

Gene: MacnCheese_8 Start: 1694, Stop: 3127, Start Num: 164
Candidate Starts for MacnCheese_8:
(123, 1655), (Start: 156 @1682 has 11 MA's), (Start: 164 @1694 has 155 MA's), (201, 1760), (Start: 210 @1781 has 1 MA's), (Start: 223 @1805 has 16 MA's), (255, 1889), (259, 1898), (271, 1946), (277, 1964), (288, 1982), (295, 2003), (304, 2033), (358, 2108), (391, 2186), (404, 2228), (407, 2237), (444, 2318), (457, 2336), (537, 2432), (561, 2480), (566, 2492), (581, 2522), (594, 2546), (601, 2558), (660, 2642), (743, 2792), (745, 2795), (782, 2852), (797, 2858), (812, 2879), (814, 2882), (952, 3059), (960, 3071), (1015, 3122),

Gene: MadKillah_32 Start: 13466, Stop: 14977, Start Num: 88
Candidate Starts for MadKillah_32:
(Start: 86 @13463 has 18 MA's), (Start: 88 @13466 has 18 MA's), (Start: 210 @13646 has 1 MA's), (245, 13739), (270, 13814), (283, 13847), (295, 13874), (304, 13904), (391, 14057), (394, 14063), (404, 14099), (407, 14108), (444, 14189), (450, 14198), (452, 14201), (495, 14240), (534, 14297), (550, 14333), (553, 14336), (656, 14492), (660, 14501), (692, 14570), (697, 14579), (703, 14585), (722, 14618), (745, 14654), (814, 14741), (825, 14762), (888, 14825), (891, 14828), (894, 14831), (905, 14849), (925, 14870), (952, 14912), (982, 14945), (985, 14948), (1005, 14960),

Gene: Madebyisha_3 Start: 1155, Stop: 2615, Start Num: 106
Candidate Starts for Madebyisha_3:
(Start: 106 @1155 has 126 MA's), (Start: 111 @1161 has 9 MA's), (217, 1323), (222, 1332), (258, 1392), (278, 1461), (290, 1482), (305, 1533), (409, 1737), (501, 1872), (540, 1950), (546, 1965), (567, 2001), (588, 2043), (605, 2076), (621, 2094), (692, 2214), (694, 2217), (699, 2229), (749, 2304), (788, 2367), (799, 2385), (801, 2388), (919, 2550), (928, 2559), (934, 2568),

Gene: Madiba_3 Start: 670, Stop: 2157, Start Num: 154
Candidate Starts for Madiba_3:
(Start: 131 @658 has 3 MA's), (Start: 154 @670 has 76 MA's), (Start: 223 @796 has 16 MA's), (224, 802), (240, 844), (241, 850), (253, 883), (257, 889), (259, 895), (268, 934), (276, 958), (287, 976), (288, 979), (302, 1021), (310, 1042), (333, 1069), (337, 1078), (342, 1087), (344, 1090), (374, 1141), (394, 1198), (400, 1219), (407, 1243), (409, 1255), (420, 1276), (428, 1288), (441, 1321), (445, 1327), (495, 1396), (496, 1402), (513, 1435), (532, 1471), (563, 1531), (566, 1540), (579, 1567), (629, 1645), (684, 1741), (714, 1786), (766, 1858), (800, 1897), (823, 1933), (826, 1939), (842, 1963), (882, 1993), (888, 1999), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: Madraxi_10 Start: 7076, Stop: 8635, Start Num: 136
Candidate Starts for Madraxi_10:
(Start: 136 @7076 has 2 MA's), (Start: 141 @7082 has 2 MA's), (260, 7316), (353, 7529), (354, 7532), (398, 7643), (403, 7661), (408, 7676), (418, 7703), (566, 7955), (578, 7976), (606, 8027), (720, 8219), (851, 8402), (897, 8465), (906, 8480), (919, 8498), (925, 8504), (983, 8582),

Gene: Maggie_4 Start: 800, Stop: 2290, Start Num: 104

Candidate Starts for Maggie_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: MagicMan_2 Start: 520, Stop: 2169, Start Num: 82
Candidate Starts for MagicMan_2:
(Start: 82 @520 has 6 MA's), (Start: 219 @718 has 15 MA's), (221, 721), (304, 931), (309, 940), (317, 961), (344, 1006), (410, 1189), (493, 1324), (542, 1390), (566, 1432), (628, 1546), (637, 1564), (643, 1567), (714, 1711), (722, 1720), (799, 1831), (811, 1849), (854, 1921), (878, 1957), (921, 2011), (954, 2071), (984, 2122),

Gene: Magsby_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Magsby_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Mahdia_2 Start: 553, Stop: 2121, Start Num: 111
Candidate Starts for Mahdia_2:
(Start: 111 @553 has 9 MA's), (132, 580), (149, 607), (185, 661), (204, 697), (261, 784), (317, 946), (322, 958), (336, 973), (346, 994), (375, 1024), (393, 1072), (409, 1135), (435, 1195), (438, 1201), (463, 1243), (535, 1327), (548, 1360), (603, 1459), (618, 1480), (655, 1522), (658, 1528), (676, 1567), (692, 1612), (696, 1618), (697, 1621), (705, 1639), (769, 1750), (806, 1819), (807, 1822), (836, 1876), (837, 1879), (885, 1933), (903, 1957), (1014, 2113),

Gene: Maja_2 Start: 590, Stop: 2185, Start Num: 110
Candidate Starts for Maja_2:
(Start: 110 @590 has 8 MA's), (Start: 112 @593 has 27 MA's), (224, 773), (257, 806), (258, 809), (267, 848), (275, 872), (277, 878), (314, 968), (393, 1103), (410, 1169), (449, 1250), (456, 1259), (515, 1361), (520, 1373), (563, 1457), (581, 1496), (657, 1601), (691, 1673), (709, 1709), (723, 1730), (731, 1748), (745, 1772), (749, 1781), (767, 1808), (787, 1838), (818, 1895), (830, 1919), (903, 2021), (950, 2090), (952, 2096), (979, 2135), (1012, 2174), (1015, 2180),

Gene: Majeke_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Majeke_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (702, 1622), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Majesty_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Majesty_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: MakCheese_2 Start: 434, Stop: 1993, Start Num: 131
Candidate Starts for MakCheese_2:
(31, 278), (43, 311), (80, 365), (Start: 131 @434 has 3 MA's), (181, 500), (215, 560), (221, 569), (237, 608), (304, 779), (305, 782), (317, 809), (327, 824), (370, 878), (394, 941), (407, 986), (451, 1073), (454, 1076), (485, 1118), (493, 1136), (507, 1166), (518, 1184), (520, 1187), (527, 1202), (614, 1376), (643, 1415), (654, 1433), (658, 1442), (660, 1448), (689, 1505), (696, 1517), (714, 1550), (743, 1598), (745, 1601), (762, 1628), (799, 1670), (811, 1688), (824, 1709), (853, 1760), (866, 1778), (868, 1781), (892, 1814), (915, 1847), (936, 1877), (956, 1916),

Gene: Makoto_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Makoto_2:
(Start: 75 @426 has 75 MA's), (168, 549), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (267, 732), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (807, 1713), (831, 1755), (925, 1857),

Gene: Malachai_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Malachai_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (325, 783), (335, 795), (357, 816), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (646, 1341), (655, 1359), (658, 1365), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911),

Gene: Malibo_2 Start: 434, Stop: 1993, Start Num: 131
Candidate Starts for Malibo_2:
(31, 278), (43, 311), (60, 335), (Start: 131 @434 has 3 MA's), (181, 500), (215, 560), (221, 569), (237, 608), (259, 647), (304, 779), (305, 782), (317, 809), (325, 821), (449, 1070), (451, 1073), (493, 1136), (507, 1166), (518, 1184), (520, 1187), (614, 1376), (654, 1430), (658, 1439), (660, 1445), (689, 1502), (696, 1514), (717, 1550), (723, 1559), (743, 1595), (745, 1598), (762, 1625), (811, 1685), (824, 1706), (868, 1778), (892, 1811), (915, 1844), (936, 1874), (956, 1913), (1004, 1967),

Gene: Maliketh_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Maliketh_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Malisha_3 Start: 669, Stop: 2186, Start Num: 154
Candidate Starts for Malisha_3:
(132, 660), (Start: 154 @669 has 76 MA's), (218, 786), (Start: 223 @795 has 16 MA's), (225, 804), (246, 867), (253, 882), (259, 894), (268, 933), (287, 975), (288, 978), (302, 1020), (313, 1047), (333, 1068), (342, 1086), (344, 1089), (345, 1092), (358, 1113), (374, 1140), (394, 1197), (409, 1254), (412, 1260), (420, 1275), (428, 1287), (497, 1407), (520, 1449), (563, 1530), (566, 1539), (579, 1566), (601, 1605), (617, 1632), (640, 1653), (698, 1755), (714, 1782), (823, 1929), (829, 1941), (925, 2037), (927, 2040), (930, 2043), (952, 2085), (960, 2097), (969, 2109),

Gene: Malithi_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Malithi_2:

(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Malthus_9 Start: 2465, Stop: 3910, Start Num: 164
Candidate Starts for Malthus_9:
(Start: 164 @2465 has 155 MA's), (Start: 223 @2570 has 16 MA's), (255, 2654), (259, 2663), (271, 2711), (276, 2726), (288, 2753), (304, 2804), (313, 2822), (341, 2852), (358, 2879), (391, 2957), (404, 2999), (407, 3008), (408, 3011), (444, 3089), (450, 3098), (494, 3137), (537, 3203), (561, 3251), (581, 3293), (660, 3410), (678, 3452), (697, 3497), (743, 3566), (771, 3611), (797, 3632), (814, 3656), (952, 3833), (1012, 3899), (1015, 3905),

Gene: MamaPearl_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for MamaPearl_2:
(Start: 75 @426 has 75 MA's), (Start: 216 @636 has 4 MA's), (259, 696), (267, 732), (275, 756), (283, 780), (334, 882), (362, 942), (393, 1011), (395, 1017), (410, 1077), (436, 1137), (459, 1173), (499, 1236), (519, 1266), (572, 1362), (623, 1449), (676, 1524), (691, 1557), (709, 1593), (767, 1668), (780, 1689), (782, 1692), (831, 1755), (843, 1779), (925, 1857), (1010, 1977),

Gene: ManAs_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for ManAs_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Maneater_3 Start: 1062, Stop: 2522, Start Num: 106
Candidate Starts for Maneater_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (540, 1857), (546, 1872), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (749, 2211), (788, 2274), (799, 2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: Mangethe_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Mangethe_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (702, 1622), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Marcoliusprime_4 Start: 652, Stop: 2076, Start Num: 164
Candidate Starts for Marcoliusprime_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (201, 712), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (336, 1024), (358, 1057), (393, 1138), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (655, 1576), (660, 1588), (680, 1630), (697, 1660), (713, 1687), (743, 1729), (751, 1744), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (1012, 2065),

Gene: MargaretKali_3 Start: 885, Stop: 2270, Start Num: 189
Candidate Starts for MargaretKali_3:
(Start: 156 @825 has 11 MA's), (Start: 189 @885 has 6 MA's), (Start: 191 @888 has 1 MA's), (Start: 210 @927 has 1 MA's), (238, 990), (257, 1041), (283, 1125), (288, 1131), (290, 1134), (295, 1152),

(341, 1230), (374, 1284), (394, 1341), (407, 1386), (420, 1419), (461, 1494), (556, 1620), (561, 1629), (581, 1674), (597, 1701), (645, 1761), (655, 1770), (660, 1782), (665, 1794), (680, 1824), (687, 1839), (725, 1902), (741, 1920), (797, 1992), (816, 2019), (858, 2073), (955, 2190), (1012, 2259),

Gene: Maria1952_2 Start: 428, Stop: 1993, Start Num: 75
Candidate Starts for Maria1952_2:
(Start: 75 @428 has 75 MA's), (Start: 196 @599 has 2 MA's), (257, 692), (260, 701), (267, 734), (272, 749), (275, 758), (283, 782), (305, 836), (364, 947), (393, 1013), (395, 1019), (410, 1079), (436, 1139), (456, 1169), (519, 1268), (615, 1442), (623, 1451), (657, 1487), (660, 1493), (677, 1529), (696, 1565), (711, 1598), (747, 1637), (749, 1643), (845, 1784), (925, 1859), (973, 1940), (1010, 1979),

Gene: Mariposa_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Mariposa_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: MarkPhew_7 Start: 1432, Stop: 2856, Start Num: 164
Candidate Starts for MarkPhew_7:
(Start: 164 @1432 has 155 MA's), (Start: 210 @1519 has 1 MA's), (Start: 223 @1543 has 16 MA's), (239, 1588), (255, 1627), (259, 1636), (261, 1642), (271, 1684), (277, 1702), (288, 1720), (304, 1771), (335, 1810), (341, 1819), (358, 1846), (391, 1924), (404, 1966), (407, 1975), (444, 2056), (537, 2170), (558, 2212), (561, 2218), (566, 2230), (581, 2260), (601, 2296), (606, 2311), (660, 2380), (680, 2422), (697, 2452), (743, 2521), (766, 2554), (767, 2557), (799, 2593), (814, 2611), (831, 2644), (1012, 2845),

Gene: Marker_3 Start: 670, Stop: 2157, Start Num: 154
Candidate Starts for Marker_3:
(Start: 131 @658 has 3 MA's), (Start: 154 @670 has 76 MA's), (Start: 223 @796 has 16 MA's), (224, 802), (240, 844), (241, 850), (253, 883), (257, 889), (259, 895), (268, 934), (276, 958), (287, 976), (288, 979), (302, 1021), (310, 1042), (333, 1069), (337, 1078), (342, 1087), (344, 1090), (374, 1141), (394, 1198), (400, 1219), (407, 1243), (409, 1255), (420, 1276), (428, 1288), (441, 1321), (445, 1327), (495, 1396), (496, 1402), (513, 1435), (532, 1471), (563, 1531), (566, 1540), (579, 1567), (629, 1645), (684, 1741), (714, 1786), (722, 1795), (766, 1858), (800, 1897), (823, 1933), (826, 1939), (842, 1963), (882, 1993), (888, 1999), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: Marmie_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for Marmie_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Marshawn_9 Start: 2072, Stop: 3451, Start Num: 189
Candidate Starts for Marshawn_9:
(Start: 156 @2015 has 11 MA's), (Start: 164 @2027 has 155 MA's), (Start: 189 @2072 has 6 MA's), (201, 2093), (Start: 210 @2114 has 1 MA's), (220, 2132), (Start: 223 @2138 has 16 MA's), (255, 2222), (259, 2231), (261, 2237), (271, 2279), (277, 2297), (288, 2315), (304, 2366), (358, 2441), (391, 2519), (404, 2561), (407, 2570), (444, 2651), (537, 2765), (561, 2813), (566, 2825), (581, 2855), (594, 2879), (606, 2906), (660, 2975), (680, 3017), (697, 3047), (743, 3116), (745, 3119), (767, 3152), (797, 3182), (799, 3188), (814, 3206), (825, 3227), (831, 3239), (952, 3383), (1012, 3440), (1015, 3446),

Gene: MaryV_26 Start: 8094, Stop: 9707, Start Num: 95
Candidate Starts for MaryV_26:
(Start: 95 @8094 has 6 MA's), (199, 8244), (Start: 210 @8262 has 1 MA's), (225, 8295), (229, 8307), (260, 8358), (261, 8361), (273, 8409), (275, 8415), (293, 8454), (294, 8457), (304, 8490), (340, 8559), (378, 8625), (383, 8643), (391, 8667), (394, 8673), (433, 8778), (460, 8820), (479, 8838), (483, 8847), (592, 9051), (596, 9057), (622, 9090), (711, 9255), (717, 9264), (722, 9270), (723, 9273), (766, 9348), (797, 9381), (806, 9396), (856, 9477), (972, 9630), (991, 9651), (993, 9654),

Gene: Massimo_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Massimo_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: MasterPitts_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for MasterPitts_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Matteo_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Matteo_2:
(Start: 93 @318 has 51 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Mbo4_2 Start: 442, Stop: 1950, Start Num: 123
Candidate Starts for Mbo4_2:
(123, 442), (205, 553), (221, 580), (304, 790), (305, 793), (317, 820), (370, 889), (404, 988), (407, 997), (410, 1012), (431, 1054), (493, 1147), (520, 1162), (542, 1213), (563, 1246), (605, 1345), (628, 1372), (658, 1414), (675, 1447), (717, 1519), (735, 1549), (742, 1561), (743, 1564), (745, 1567), (747, 1570), (799, 1636), (811, 1654), (821, 1669), (868, 1747), (878, 1762), (908, 1801), (918, 1816), (975, 1900),

Gene: McGonagall_2 Start: 520, Stop: 1905, Start Num: 148
Candidate Starts for McGonagall_2:
(Start: 148 @520 has 5 MA's), (Start: 193 @586 has 2 MA's), (Start: 207 @613 has 1 MA's), (270, 736), (271, 739), (277, 757), (302, 820), (304, 829), (305, 832), (345, 901), (375, 934), (384, 958), (394, 985), (408, 1033), (456, 1132), (499, 1165), (505, 1177), (513, 1189), (602, 1345), (610, 1360), (656, 1408), (675, 1453), (678, 1462), (690, 1486), (709, 1525), (946, 1825), (994, 1891),

Gene: McMater_8 Start: 1660, Stop: 3090, Start Num: 164
Candidate Starts for McMater_8:
(Start: 121 @1618 has 4 MA's), (Start: 156 @1648 has 11 MA's), (Start: 164 @1660 has 155 MA's), (Start: 210 @1750 has 1 MA's), (Start: 223 @1774 has 16 MA's), (224, 1780), (239, 1819), (255, 1858), (259, 1867), (261, 1873), (271, 1915), (277, 1933), (288, 1951), (304, 2002), (341, 2050), (404, 2197), (407, 2206), (494, 2335), (537, 2401), (558, 2443), (561, 2449), (566, 2461), (581, 2491), (594, 2515), (606, 2542), (660, 2611), (680, 2653), (697, 2683), (711, 2707), (745, 2755), (797, 2818), (814,

2842), (842, 2893), (891, 2932), (952, 3022), (988, 3061), (1012, 3079), (1015, 3085),

Gene: McShie_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for McShie_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (934, 2484), (955, 2523),

Gene: Mdavu_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for Mdavu_4:
(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341, 1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: MeaningOfLife_8 Start: 1563, Stop: 2984, Start Num: 164
Candidate Starts for MeaningOfLife_8:
(98, 1491), (Start: 156 @1551 has 11 MA's), (Start: 164 @1563 has 155 MA's), (Start: 223 @1674 has 16 MA's), (224, 1680), (255, 1758), (259, 1767), (271, 1815), (277, 1833), (304, 1902), (336, 1944), (341, 1950), (358, 1977), (360, 1980), (404, 2097), (407, 2106), (444, 2187), (537, 2301), (561, 2349), (566, 2361), (581, 2391), (594, 2415), (601, 2427), (658, 2505), (660, 2511), (745, 2655), (767, 2688), (814, 2742), (952, 2919), (1012, 2973),

Gene: MeganNoll_5 Start: 3133, Stop: 4698, Start Num: 75
Candidate Starts for MeganNoll_5:
(Start: 75 @3133 has 75 MA's), (Start: 216 @3343 has 4 MA's), (257, 3397), (275, 3463), (283, 3487), (387, 3703), (393, 3718), (395, 3724), (410, 3784), (436, 3844), (499, 3943), (519, 3973), (526, 3988), (572, 4069), (615, 4147), (623, 4156), (657, 4192), (676, 4231), (691, 4264), (697, 4273), (709, 4300), (754, 4354), (780, 4396), (820, 4441), (831, 4462), (843, 4486), (925, 4564), (1010, 4684),

Gene: Megiddo_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for Megiddo_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (658, 1522), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: Megsy_8 Start: 1562, Stop: 2983, Start Num: 164
Candidate Starts for Megsy_8:
(98, 1490), (Start: 156 @1550 has 11 MA's), (Start: 164 @1562 has 155 MA's), (Start: 223 @1673 has 16 MA's), (224, 1679), (255, 1757), (259, 1766), (271, 1814), (277, 1832), (304, 1901), (336, 1943), (341, 1949), (358, 1976), (360, 1979), (404, 2096), (407, 2105), (444, 2186), (537, 2300), (561, 2348), (566, 2360), (581, 2390), (594, 2414), (601, 2426), (658, 2504), (660, 2510), (745, 2654), (767, 2687), (814, 2741), (952, 2918), (1012, 2972),

Gene: MelBee03_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for MelBee03_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (417, 1677), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749,

2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (955, 2523),

Gene: Melba_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Melba_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Mellie_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Mellie_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (390, 891), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Melons_4 Start: 848, Stop: 2494, Start Num: 81
Candidate Starts for Melons_4:
(Start: 81 @848 has 7 MA's), (Start: 198 @1013 has 7 MA's), (217, 1052), (257, 1103), (261, 1115), (269, 1151), (275, 1169), (375, 1352), (410, 1466), (415, 1478), (436, 1526), (449, 1547), (459, 1562), (481, 1619), (657, 1934), (688, 2000), (696, 2012), (711, 2045), (747, 2084), (751, 2093), (754, 2096), (793, 2162), (810, 2192), (833, 2237), (864, 2279), (884, 2306), (885, 2309), (950, 2402), (952, 2408), (964, 2429), (973, 2441), (1010, 2480), (1012, 2483),

Gene: Melville_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Melville_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Mercurio_3 Start: 1016, Stop: 2605, Start Num: 87
Candidate Starts for Mercurio_3:
(Start: 68 @986 has 4 MA's), (Start: 87 @1016 has 20 MA's), (201, 1187), (258, 1319), (304, 1457), (309, 1466), (343, 1520), (374, 1571), (394, 1628), (404, 1664), (409, 1685), (444, 1754), (450, 1763), (561, 1916), (602, 1994), (620, 2021), (630, 2039), (660, 2090), (714, 2189), (722, 2198), (742, 2234), (745, 2240), (766, 2270), (771, 2282), (782, 2297), (797, 2303), (799, 2309), (812, 2324), (814, 2327), (825, 2348), (877, 2411), (888, 2426), (1012, 2594), (1015, 2600),

Gene: MiaZeal_10 Start: 3527, Stop: 5059, Start Num: 152
Candidate Starts for MiaZeal_10:
(91, 3443), (Start: 122 @3485 has 2 MA's), (128, 3494), (Start: 152 @3527 has 34 MA's), (224, 3641), (246, 3704), (260, 3737), (261, 3740), (272, 3785), (302, 3860), (304, 3869), (371, 3971), (373, 3974), (386, 4010), (398, 4043), (534, 4292), (566, 4355), (578, 4382), (674, 4541), (692, 4577), (709, 4607), (714, 4616), (752, 4670), (769, 4694), (952, 4928), (959, 4940),

Gene: Miaurora_3 Start: 1179, Stop: 2639, Start Num: 106
Candidate Starts for Miaurora_3:
(Start: 106 @1179 has 126 MA's), (Start: 111 @1185 has 9 MA's), (217, 1347), (222, 1356), (258, 1416), (278, 1485), (290, 1506), (305, 1557), (409, 1761), (501, 1896), (540, 1974), (546, 1989), (557, 2007), (567, 2025), (588, 2067), (605, 2100), (621, 2118), (692, 2238), (694, 2241), (699, 2253), (705, 2265), (711, 2277), (749, 2328), (785, 2385), (788, 2391), (791, 2400), (799, 2409), (801, 2412), (919, 2574), (928, 2583), (934, 2592), (955, 2631),

Gene: MichaelScott_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for MichaelScott_3:
(Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (310, 1228), (372, 1318), (374, 1321), (404, 1414), (407, 1423), (410, 1438), (459, 1522), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (658, 1840), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: MichelleMyBell_2 Start: 512, Stop: 2044, Start Num: 155
Candidate Starts for MichelleMyBell_2:
(5, 107), (6, 116), (10, 170), (Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (269, 743), (271, 749), (295, 806), (322, 878), (351, 926), (393, 1025), (408, 1076), (442, 1148), (452, 1163), (462, 1181), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (692, 1589), (701, 1607), (715, 1634), (752, 1703), (801, 1760), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (884, 1859), (897, 1874), (952, 1955), (956, 1961),

Gene: Miley16_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Miley16_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Milly_4 Start: 652, Stop: 2076, Start Num: 164
Candidate Starts for Milly_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (201, 712), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (336, 1024), (341, 1030), (358, 1057), (393, 1138), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (655, 1576), (660, 1588), (680, 1630), (697, 1660), (713, 1687), (743, 1729), (751, 1744), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (1012, 2065),

Gene: Milomuff_4 Start: 1046, Stop: 2674, Start Num: 127
Candidate Starts for Milomuff_4:
(Start: 39 @932 has 19 MA's), (76, 986), (Start: 127 @1046 has 74 MA's), (222, 1202), (275, 1310), (309, 1394), (318, 1418), (334, 1436), (375, 1493), (394, 1544), (395, 1547), (410, 1607), (416, 1625), (430, 1655), (447, 1685), (688, 2141), (697, 2156), (925, 2507), (952, 2555), (1026, 2663),

Gene: Min1_37 Start: 17540, Stop: 19132, Start Num: 131
Candidate Starts for Min1_37:
(Start: 131 @17540 has 3 MA's), (140, 17555), (185, 17624), (222, 17693), (258, 17738), (259, 17741), (277, 17807), (299, 17888), (306, 17906), (338, 17960), (413, 18161), (436, 18215), (523, 18311), (553, 18368), (563, 18386), (579, 18434), (663, 18566), (678, 18605), (696, 18638), (709, 18668),

(768, 18746), (791, 18785), (890, 18914), (948, 19001),

Gene: MiniLon_5 Start: 1196, Stop: 2761, Start Num: 84
Candidate Starts for MiniLon_5:
(Start: 84 @1196 has 63 MA's), (Start: 88 @1202 has 18 MA's), (199, 1373), (257, 1478), (261, 1490), (317, 1646), (321, 1655), (322, 1658), (324, 1661), (372, 1736), (391, 1790), (393, 1793), (394, 1796), (492, 1985), (509, 2027), (553, 2102), (564, 2123), (566, 2129), (608, 2198), (654, 2240), (658, 2249), (660, 2255), (717, 2369), (743, 2408), (747, 2414), (799, 2480), (833, 2534), (856, 2570), (865, 2582), (909, 2621), (977, 2708), (1012, 2753), (1014, 2756),

Gene: MiniMac_5 Start: 1196, Stop: 2761, Start Num: 84
Candidate Starts for MiniMac_5:
(Start: 84 @1196 has 63 MA's), (Start: 88 @1202 has 18 MA's), (199, 1373), (257, 1478), (261, 1490), (317, 1646), (321, 1655), (322, 1658), (324, 1661), (372, 1736), (391, 1790), (393, 1793), (394, 1796), (509, 2027), (553, 2102), (564, 2123), (566, 2129), (608, 2198), (642, 2222), (654, 2240), (658, 2249), (660, 2255), (717, 2369), (743, 2408), (747, 2414), (799, 2480), (833, 2534), (856, 2570), (865, 2582), (909, 2621), (977, 2708), (1012, 2753), (1014, 2756),

Gene: Minima_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Minima_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: MintFen_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for MintFen_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: MirimarMandM_3 Start: 1104, Stop: 2564, Start Num: 106
Candidate Starts for MirimarMandM_3:
(Start: 106 @1104 has 126 MA's), (Start: 111 @1110 has 9 MA's), (217, 1272), (222, 1281), (258, 1341), (278, 1410), (290, 1431), (301, 1467), (305, 1482), (409, 1686), (501, 1821), (540, 1899), (546, 1914), (557, 1932), (567, 1950), (588, 1992), (605, 2025), (621, 2043), (692, 2163), (694, 2166), (699, 2178), (705, 2190), (749, 2253), (785, 2310), (788, 2316), (791, 2325), (799, 2334), (801, 2337), (919, 2499), (928, 2508), (934, 2517), (955, 2556),

Gene: Miryou_6 Start: 1325, Stop: 2752, Start Num: 172
Candidate Starts for Miryou_6:
(Start: 172 @1325 has 22 MA's), (201, 1382), (Start: 210 @1403 has 1 MA's), (Start: 223 @1427 has 16 MA's), (255, 1511), (259, 1520), (261, 1526), (271, 1568), (277, 1586), (288, 1604), (304, 1655), (311, 1670), (358, 1730), (391, 1808), (404, 1850), (407, 1859), (408, 1862), (444, 1940), (537, 2054), (561, 2102), (581, 2144), (594, 2168), (601, 2180), (617, 2207), (655, 2252), (660, 2264), (741, 2411), (766, 2450), (814, 2507), (827, 2531), (842, 2555), (877, 2579), (950, 2678), (952, 2684), (1012, 2741),

Gene: Misaeng_5 Start: 3319, Stop: 4710, Start Num: 198
Candidate Starts for Misaeng_5:

(Start: 75 @3145 has 75 MA's), (Start: 198 @3319 has 7 MA's), (Start: 216 @3355 has 4 MA's), (257, 3409), (260, 3418), (267, 3451), (272, 3466), (275, 3475), (334, 3601), (387, 3715), (393, 3730), (395, 3736), (410, 3796), (436, 3856), (472, 3922), (499, 3955), (519, 3985), (526, 4000), (545, 4033), (556, 4048), (623, 4168), (642, 4183), (691, 4276), (709, 4312), (767, 4387), (780, 4408), (806, 4429), (843, 4498), (925, 4576), (948, 4615), (964, 4645), (973, 4657), (1010, 4696), (1015, 4705),

Gene: Misha28_3 Start: 674, Stop: 2161, Start Num: 154
Candidate Starts for Misha28_3:
(Start: 131 @662 has 3 MA's), (Start: 154 @674 has 76 MA's), (Start: 223 @800 has 16 MA's), (224, 806), (240, 848), (241, 854), (253, 887), (257, 893), (259, 899), (268, 938), (276, 962), (287, 980), (288, 983), (302, 1025), (333, 1073), (337, 1082), (342, 1091), (344, 1094), (374, 1145), (400, 1223), (407, 1247), (409, 1259), (420, 1280), (428, 1292), (441, 1325), (445, 1331), (495, 1400), (496, 1406), (513, 1439), (532, 1475), (563, 1535), (566, 1544), (579, 1571), (629, 1649), (684, 1745), (714, 1790), (766, 1862), (800, 1901), (823, 1937), (826, 1943), (842, 1967), (882, 1997), (888, 2003), (925, 2045), (927, 2048), (930, 2051), (952, 2093), (960, 2105), (969, 2117),

Gene: MissDaisy_9 Start: 2526, Stop: 3866, Start Num: 223
Candidate Starts for MissDaisy_9:
(Start: 164 @2421 has 155 MA's), (Start: 223 @2526 has 16 MA's), (255, 2610), (259, 2619), (267, 2655), (271, 2667), (288, 2709), (304, 2760), (313, 2778), (341, 2808), (391, 2913), (404, 2955), (407, 2964), (408, 2967), (444, 3045), (450, 3054), (537, 3159), (558, 3201), (561, 3207), (581, 3249), (660, 3366), (678, 3408), (697, 3453), (743, 3522), (771, 3567), (797, 3588), (814, 3612), (888, 3696), (952, 3789), (1012, 3855), (1015, 3861),

Gene: MissRona_2 Start: 361, Stop: 1959, Start Num: 113
Candidate Starts for MissRona_2:
(Start: 93 @334 has 51 MA's), (Start: 113 @361 has 34 MA's), (Start: 196 @475 has 2 MA's), (201, 484), (221, 517), (227, 535), (234, 550), (247, 571), (258, 592), (272, 646), (275, 655), (288, 691), (301, 727), (304, 739), (325, 781), (327, 784), (431, 1003), (441, 1018), (451, 1033), (454, 1036), (520, 1111), (542, 1162), (628, 1318), (646, 1339), (648, 1342), (689, 1429), (696, 1441), (714, 1474), (717, 1477), (741, 1516), (743, 1522), (745, 1525), (799, 1594), (801, 1597), (835, 1657), (836, 1660), (841, 1669), (892, 1738), (902, 1753), (1023, 1942),

Gene: Mitti_9 Start: 2478, Stop: 3923, Start Num: 164
Candidate Starts for Mitti_9:
(Start: 164 @2478 has 155 MA's), (Start: 223 @2583 has 16 MA's), (255, 2667), (259, 2676), (267, 2712), (271, 2724), (276, 2739), (288, 2766), (304, 2817), (313, 2835), (341, 2865), (358, 2892), (391, 2970), (407, 3021), (408, 3024), (444, 3102), (450, 3111), (494, 3150), (537, 3216), (561, 3264), (581, 3306), (660, 3423), (678, 3465), (697, 3510), (743, 3579), (771, 3624), (797, 3645), (814, 3669), (952, 3846), (1012, 3912), (1015, 3918),

Gene: MkaliMitinis3_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for MkaliMitinis3_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: MoRicky_2 Start: 176, Stop: 1804, Start Num: 100
Candidate Starts for MoRicky_2:
(100, 176), (137, 224), (Start: 175 @278 has 3 MA's), (226, 380), (229, 389), (255, 422), (267, 467), (271, 479), (283, 515), (292, 527), (307, 575), (330, 620), (336, 632), (375, 686), (391, 731), (407, 782),

(414, 806), (427, 833), (511, 971), (528, 1007), (556, 1067), (696, 1307), (764, 1409), (770, 1421), (815, 1475), (838, 1511), (840, 1514), (877, 1559), (900, 1589), (912, 1607), (1013, 1751), (1024, 1778),

Gene: Mocha12_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Mocha12_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Moki_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Moki_2:
(Start: 75 @426 has 75 MA's), (Start: 216 @636 has 4 MA's), (259, 696), (267, 732), (270, 741), (275, 756), (277, 762), (283, 780), (362, 942), (375, 963), (410, 1077), (436, 1137), (472, 1203), (499, 1236), (519, 1266), (526, 1281), (572, 1362), (615, 1440), (623, 1449), (754, 1647), (780, 1689), (807, 1713), (831, 1755), (925, 1857),

Gene: Moloch_4 Start: 874, Stop: 2364, Start Num: 104
Candidate Starts for Moloch_4:
(Start: 104 @874 has 38 MA's), (145, 919), (Start: 207 @1021 has 1 MA's), (Start: 216 @1039 has 4 MA's), (220, 1048), (257, 1099), (258, 1102), (261, 1111), (267, 1141), (276, 1168), (318, 1267), (384, 1366), (393, 1390), (394, 1393), (395, 1396), (408, 1441), (549, 1675), (578, 1723), (583, 1735), (603, 1774), (615, 1792), (636, 1804), (638, 1807), (651, 1828), (655, 1834), (660, 1846), (697, 1924), (732, 1978), (767, 2032), (776, 2044), (813, 2089), (841, 2137), (914, 2221), (950, 2278), (999, 2347),

Gene: MooKitty_3 Start: 668, Stop: 2077, Start Num: 135
Candidate Starts for MooKitty_3:
(Start: 135 @668 has 10 MA's), (165, 710), (Start: 198 @764 has 7 MA's), (Start: 207 @782 has 1 MA's), (259, 866), (261, 872), (267, 902), (271, 914), (277, 932), (336, 1052), (384, 1127), (393, 1151), (406, 1196), (408, 1202), (429, 1256), (432, 1265), (583, 1496), (595, 1517), (649, 1583), (698, 1688), (699, 1691), (732, 1736), (761, 1778), (774, 1802), (821, 1856), (822, 1859), (861, 1913), (886, 1934), (981, 2048), (993, 2063),

Gene: MooMoo_2 Start: 337, Stop: 1785, Start Num: 164
Candidate Starts for MooMoo_2:
(64, 205), (90, 241), (Start: 135 @307 has 10 MA's), (161, 331), (Start: 164 @337 has 155 MA's), (201, 412), (259, 556), (263, 574), (266, 589), (267, 592), (283, 634), (288, 640), (303, 685), (304, 691), (341, 739), (358, 766), (407, 895), (409, 907), (420, 928), (452, 988), (535, 1105), (558, 1150), (575, 1186), (584, 1204), (600, 1228), (612, 1249), (652, 1288), (655, 1294), (656, 1297), (692, 1372), (694, 1375), (703, 1387), (725, 1426), (743, 1450), (745, 1453), (766, 1483), (782, 1510), (831, 1573), (855, 1606), (877, 1627), (888, 1639), (952, 1720), (1005, 1768),

Gene: Moonflower_2 Start: 585, Stop: 2195, Start Num: 116
Candidate Starts for Moonflower_2:
(Start: 116 @585 has 12 MA's), (233, 768), (288, 903), (304, 951), (356, 1023), (410, 1176), (431, 1218), (451, 1248), (516, 1353), (520, 1362), (561, 1443), (563, 1446), (568, 1464), (589, 1509), (605, 1542), (628, 1569), (667, 1647), (714, 1734), (729, 1758), (798, 1851), (799, 1854), (811, 1872), (862, 1956), (969, 2130),

Gene: Moosehead_2 Start: 437, Stop: 1936, Start Num: 156
Candidate Starts for Moosehead_2:

(76, 338), (79, 344), (134, 422), (139, 428), (Start: 156 @437 has 11 MA's), (Start: 178 @473 has 1 MA's), (Start: 191 @497 has 1 MA's), (204, 524), (Start: 210 @536 has 1 MA's), (217, 548), (235, 590), (241, 611), (257, 650), (258, 653), (274, 713), (283, 734), (288, 740), (290, 743), (304, 791), (309, 800), (310, 803), (374, 911), (386, 947), (394, 968), (407, 1013), (408, 1016), (422, 1058), (428, 1067), (495, 1154), (496, 1160), (530, 1205), (556, 1256), (561, 1265), (563, 1268), (579, 1307), (581, 1310), (598, 1340), (658, 1412), (660, 1418), (692, 1490), (695, 1493), (715, 1526), (739, 1565), (755, 1592), (758, 1595), (810, 1658), (847, 1727), (857, 1730), (880, 1754), (892, 1766), (895, 1769), (945, 1835), (948, 1844), (950, 1847), (969, 1877), (1012, 1925),

Gene: Moostard_5 Start: 1186, Stop: 2751, Start Num: 84
Candidate Starts for Moostard_5:
(Start: 84 @1186 has 63 MA's), (Start: 88 @1192 has 18 MA's), (199, 1363), (257, 1468), (261, 1480), (317, 1636), (321, 1645), (322, 1648), (324, 1651), (372, 1726), (391, 1780), (393, 1783), (394, 1786), (509, 2017), (553, 2092), (564, 2113), (566, 2119), (608, 2188), (642, 2212), (654, 2230), (660, 2245), (717, 2359), (743, 2398), (747, 2404), (799, 2470), (856, 2560), (865, 2572), (909, 2611), (977, 2698), (1012, 2743), (1014, 2746),

Gene: Mori_30 Start: 13115, Stop: 14629, Start Num: 86
Candidate Starts for Mori_30:
(Start: 86 @13115 has 18 MA's), (Start: 88 @13118 has 18 MA's), (Start: 210 @13298 has 1 MA's), (245, 13391), (270, 13466), (283, 13499), (295, 13526), (304, 13556), (391, 13709), (394, 13715), (404, 13751), (407, 13760), (444, 13841), (450, 13850), (452, 13853), (495, 13892), (534, 13949), (550, 13985), (553, 13988), (656, 14144), (660, 14153), (692, 14222), (697, 14231), (703, 14237), (722, 14270), (745, 14306), (814, 14393), (825, 14414), (888, 14477), (891, 14480), (894, 14483), (905, 14501), (925, 14522), (952, 14564), (985, 14600), (1005, 14612),

Gene: Morkie_2 Start: 375, Stop: 1757, Start Num: 189
Candidate Starts for Morkie_2:
(Start: 130 @312 has 2 MA's), (Start: 189 @375 has 6 MA's), (240, 486), (288, 615), (309, 675), (341, 714), (386, 804), (400, 846), (407, 870), (414, 894), (420, 903), (426, 912), (428, 915), (518, 1041), (581, 1158), (640, 1239), (658, 1266), (660, 1272), (697, 1341), (727, 1383), (743, 1410), (751, 1425), (772, 1455), (782, 1470), (797, 1476), (814, 1500), (877, 1575), (891, 1590), (950, 1674), (952, 1680), (957, 1686), (960, 1692), (961, 1695),

Gene: Morrissey_2 Start: 537, Stop: 2093, Start Num: 111
Candidate Starts for Morrissey_2:
(Start: 111 @537 has 9 MA's), (133, 564), (204, 678), (266, 792), (275, 819), (317, 927), (322, 939), (336, 954), (373, 1002), (375, 1005), (393, 1053), (409, 1116), (435, 1176), (436, 1179), (527, 1293), (535, 1308), (589, 1410), (592, 1416), (604, 1443), (618, 1461), (658, 1509), (660, 1515), (676, 1548), (696, 1587), (697, 1590), (769, 1722), (806, 1791), (807, 1794), (819, 1812), (836, 1848), (885, 1905), (903, 1929), (1014, 2085),

Gene: Mova_3 Start: 672, Stop: 2159, Start Num: 154
Candidate Starts for Mova_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (225, 807), (240, 846), (241, 852), (253, 885), (257, 891), (259, 897), (268, 936), (276, 960), (287, 978), (288, 981), (302, 1023), (310, 1044), (333, 1071), (337, 1080), (342, 1089), (344, 1092), (374, 1143), (400, 1221), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (441, 1323), (445, 1329), (495, 1398), (496, 1404), (513, 1437), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (684, 1743), (714, 1788), (766, 1860), (778, 1881), (800, 1899), (823, 1935), (826, 1941), (842, 1965), (882, 1995), (888, 2001), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: Mowgli_2 Start: 359, Stop: 1891, Start Num: 87

Candidate Starts for Mowgli_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Moyashi_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for Moyashi_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (434, 1026), (446, 1044), (448, 1047), (455, 1053), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (818, 1602), (827, 1620), (830, 1626), (844, 1647), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (948, 1791), (951, 1797), (956, 1806), (980, 1836), (986, 1842), (1010, 1875), (1014, 1881),

Gene: Mozy_3 Start: 672, Stop: 2159, Start Num: 154
Candidate Starts for Mozy_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (224, 804), (240, 846), (251, 882), (253, 885), (257, 891), (259, 897), (268, 936), (271, 945), (288, 981), (302, 1023), (333, 1071), (342, 1089), (344, 1092), (374, 1143), (407, 1245), (408, 1248), (409, 1257), (412, 1263), (420, 1278), (428, 1290), (441, 1323), (495, 1398), (496, 1404), (511, 1434), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (658, 1680), (815, 1920), (823, 1935), (826, 1941), (842, 1965), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: MrAK_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for MrAK_2:
(Start: 153 @378 has 47 MA's), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (241, 528), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (830, 1626), (844, 1647), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: MrGloopy_5 Start: 3066, Stop: 4631, Start Num: 75
Candidate Starts for MrGloopy_5:
(Start: 75 @3066 has 75 MA's), (Start: 216 @3276 has 4 MA's), (217, 3279), (257, 3330), (272, 3387), (275, 3396), (283, 3420), (387, 3636), (391, 3648), (393, 3651), (395, 3657), (410, 3717), (436, 3777), (443, 3789), (499, 3876), (519, 3906), (526, 3921), (572, 4002), (615, 4080), (623, 4089), (657, 4125), (676, 4164), (691, 4197), (697, 4206), (709, 4233), (754, 4287), (780, 4329), (820, 4374), (831, 4395), (843, 4419), (925, 4497), (1010, 4617),

Gene: MrGreen_3 Start: 1092, Stop: 2552, Start Num: 106
Candidate Starts for MrGreen_3:
(Start: 106 @1092 has 126 MA's), (Start: 111 @1098 has 9 MA's), (217, 1260), (222, 1269), (258, 1329), (278, 1398), (290, 1419), (305, 1470), (409, 1674), (501, 1809), (540, 1887), (546, 1902), (567, 1938), (588, 1980), (605, 2013), (621, 2031), (692, 2151), (694, 2154), (699, 2166), (749, 2241), (788, 2304), (799, 2322), (801, 2325), (919, 2487), (928, 2496), (934, 2505), (955, 2544),

Gene: MrMagoo_18 Start: 5300, Stop: 6841, Start Num: 112
Candidate Starts for MrMagoo_18:
(Start: 112 @5300 has 27 MA's), (Start: 114 @5303 has 1 MA's), (224, 5486), (231, 5504), (252, 5537), (258, 5546), (275, 5609), (304, 5684), (391, 5837), (403, 5876), (446, 5969), (460, 5990), (546, 6137), (576, 6197), (705, 6371), (747, 6449), (797, 6509), (814, 6536), (995, 6791),

Gene: MrSmee_2 Start: 424, Stop: 1761, Start Num: 223
Candidate Starts for MrSmee_2:
(Start: 167 @316 has 2 MA's), (Start: 223 @424 has 16 MA's), (224, 430), (238, 466), (240, 472), (304, 658), (309, 667), (390, 805), (395, 820), (404, 853), (407, 862), (408, 865), (420, 895), (422, 898), (426, 904), (428, 907), (444, 943), (561, 1102), (566, 1114), (617, 1210), (654, 1252), (658, 1261), (663, 1273), (703, 1357), (745, 1423), (766, 1453), (767, 1456), (771, 1465), (801, 1492), (820, 1522), (828, 1537), (952, 1693),

Gene: MsGreen_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for MsGreen_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: MsUbiquitous_3 Start: 676, Stop: 2304, Start Num: 127
Candidate Starts for MsUbiquitous_3:
(Start: 127 @676 has 74 MA's), (222, 832), (275, 940), (309, 1024), (318, 1048), (375, 1123), (394, 1174), (395, 1177), (410, 1237), (416, 1255), (430, 1285), (447, 1315), (688, 1771), (697, 1786), (925, 2137), (1026, 2293),

Gene: Mufasa_4 Start: 652, Stop: 2073, Start Num: 164
Candidate Starts for Mufasa_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (336, 1024), (341, 1030), (358, 1057), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (452, 1279), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (602, 1510), (660, 1588), (680, 1630), (697, 1660), (743, 1729), (751, 1744), (766, 1762), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (952, 1996), (1012, 2062),

Gene: Mulch_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for Mulch_6:
(123, 1810), (126, 1813), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (299, 2176), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (514, 2599), (606, 2788), (618, 2800), (654, 2848), (672, 2890), (699, 2941), (743, 3016), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: MulchExplorer_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for MulchExplorer_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (251, 881), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (288, 980), (290, 983), (302, 1022), (310, 1043), (333, 1070), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766,

1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102),

Gene: Murai_31 Start: 13308, Stop: 14819, Start Num: 88
Candidate Starts for Murai_31:
(Start: 86 @13305 has 18 MA's), (Start: 88 @13308 has 18 MA's), (Start: 210 @13488 has 1 MA's), (245, 13581), (270, 13656), (283, 13689), (295, 13716), (304, 13746), (391, 13899), (394, 13905), (404, 13941), (407, 13950), (444, 14031), (450, 14040), (452, 14043), (495, 14082), (534, 14139), (550, 14175), (553, 14178), (656, 14334), (660, 14343), (692, 14412), (697, 14421), (703, 14427), (722, 14460), (745, 14496), (814, 14583), (825, 14604), (888, 14667), (891, 14670), (894, 14673), (905, 14691), (925, 14712), (952, 14754), (985, 14790), (1005, 14802),

Gene: Murp_2 Start: 360, Stop: 1931, Start Num: 113
Candidate Starts for Murp_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 576), (258, 597), (288, 696), (301, 732), (304, 744), (325, 786), (335, 798), (360, 825), (393, 903), (431, 1008), (441, 1023), (451, 1038), (454, 1041), (520, 1116), (542, 1167), (628, 1323), (646, 1344), (655, 1362), (658, 1368), (689, 1434), (696, 1446), (717, 1482), (741, 1521), (745, 1530), (747, 1533), (767, 1563), (801, 1602), (835, 1662), (847, 1683), (862, 1704), (892, 1746), (902, 1761), (931, 1797), (997, 1893), (1004, 1905), (1012, 1914),

Gene: Murucutumbu_8 Start: 1562, Stop: 2983, Start Num: 164
Candidate Starts for Murucutumbu_8:
(98, 1490), (Start: 156 @1550 has 11 MA's), (Start: 164 @1562 has 155 MA's), (Start: 223 @1673 has 16 MA's), (224, 1679), (255, 1757), (259, 1766), (271, 1814), (277, 1832), (288, 1850), (304, 1901), (341, 1949), (358, 1976), (360, 1979), (391, 2054), (404, 2096), (407, 2105), (444, 2186), (537, 2300), (561, 2348), (566, 2360), (581, 2390), (594, 2414), (601, 2426), (606, 2441), (660, 2510), (745, 2654), (767, 2687), (814, 2741), (952, 2918), (1012, 2972),

Gene: Muttlie_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Muttlie_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (231, 992), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Mynx_8 Start: 1613, Stop: 3034, Start Num: 164
Candidate Starts for Mynx_8:
(98, 1541), (Start: 156 @1601 has 11 MA's), (Start: 164 @1613 has 155 MA's), (Start: 223 @1724 has 16 MA's), (224, 1730), (255, 1808), (259, 1817), (271, 1865), (277, 1883), (304, 1952), (336, 1994), (341, 2000), (358, 2027), (360, 2030), (404, 2147), (407, 2156), (444, 2237), (537, 2351), (561, 2399), (566, 2411), (581, 2441), (601, 2477), (658, 2555), (660, 2561), (745, 2705), (767, 2738), (814, 2792), (952, 2969), (1012, 3023),

Gene: Myram_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Myram_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Naby_3 Start: 778, Stop: 2235, Start Num: 106

Candidate Starts for Naby_3:
(Start: 106 @778 has 126 MA's), (217, 943), (278, 1081), (290, 1102), (301, 1138), (305, 1153), (391, 1294), (409, 1357), (417, 1381), (567, 1621), (588, 1663), (605, 1696), (621, 1714), (692, 1834), (699, 1849), (720, 1885), (749, 1924), (788, 1987), (801, 2008), (919, 2170), (934, 2188),

Gene: Nadeem_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for Nadeem_6:
(123, 1810), (126, 1813), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (299, 2176), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (514, 2599), (606, 2788), (618, 2800), (654, 2848), (672, 2890), (699, 2941), (743, 3016), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: Namsahir_3 Start: 1095, Stop: 2555, Start Num: 106
Candidate Starts for Namsahir_3:
(Start: 106 @1095 has 126 MA's), (Start: 111 @1101 has 9 MA's), (217, 1263), (222, 1272), (258, 1332), (278, 1401), (290, 1422), (305, 1473), (409, 1677), (501, 1812), (546, 1905), (557, 1923), (567, 1941), (588, 1983), (605, 2016), (621, 2034), (692, 2154), (694, 2157), (699, 2169), (705, 2181), (711, 2193), (749, 2244), (785, 2301), (788, 2307), (791, 2316), (799, 2325), (801, 2328), (919, 2490), (928, 2499), (934, 2508), (955, 2547),

Gene: Nancia_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Nancia_2:
(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (260, 699), (267, 732), (272, 747), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: NancyRae_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for NancyRae_6:
(123, 1810), (126, 1813), (Start: 127 @1816 has 74 MA's), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (299, 2176), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (489, 2536), (514, 2599), (606, 2788), (618, 2800), (654, 2848), (672, 2890), (699, 2941), (743, 3016), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: Nandita_6 Start: 1957, Stop: 3657, Start Num: 112
Candidate Starts for Nandita_6:
(70, 1900), (Start: 96 @1936 has 8 MA's), (Start: 112 @1957 has 27 MA's), (185, 2080), (Start: 198 @2101 has 7 MA's), (222, 2149), (258, 2194), (259, 2197), (269, 2239), (275, 2257), (276, 2260), (277, 2263), (335, 2386), (375, 2440), (410, 2554), (436, 2614), (449, 2635), (475, 2701), (540, 2866), (572, 2932), (579, 2947), (668, 3118), (685, 3157), (691, 3166), (697, 3175), (720, 3217), (749, 3250), (776, 3289), (807, 3331), (831, 3373), (884, 3421), (903, 3448), (905, 3451), (910, 3457), (925, 3478), (950, 3520), (1026, 3646),

Gene: Nanosmite_18 Start: 5467, Stop: 7059, Start Num: 112
Candidate Starts for Nanosmite_18:
(Start: 112 @5467 has 27 MA's), (Start: 114 @5470 has 1 MA's), (Start: 179 @5572 has 6 MA's), (224, 5656), (259, 5719), (304, 5854), (305, 5857), (403, 6046), (509, 6241), (517, 6256), (592, 6397), (667, 6514), (705, 6589), (814, 6754), (977, 6988), (995, 7009),

Gene: Nazo_2 Start: 392, Stop: 2065, Start Num: 40

Candidate Starts for Nazo_2:
(8, 179), (15, 275), (Start: 40 @392 has 46 MA's), (Start: 107 @485 has 1 MA's), (119, 503), (192, 608), (213, 647), (268, 773), (275, 794), (277, 800), (279, 803), (301, 857), (314, 890), (365, 980), (440, 1169), (520, 1265), (542, 1316), (616, 1457), (629, 1469), (658, 1514), (741, 1667), (745, 1676), (762, 1703), (771, 1718), (799, 1745), (811, 1763), (831, 1799), (871, 1862), (926, 1934), (1012, 2048),

Gene: Necropolis_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Necropolis_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Neighly_6 Start: 1146, Stop: 2516, Start Num: 201
Candidate Starts for Neighly_6:
(Start: 172 @1089 has 22 MA's), (201, 1146), (Start: 210 @1167 has 1 MA's), (Start: 223 @1191 has 16 MA's), (255, 1275), (259, 1284), (261, 1290), (277, 1350), (288, 1368), (304, 1419), (335, 1458), (391, 1572), (404, 1614), (407, 1623), (408, 1626), (444, 1704), (537, 1818), (561, 1866), (566, 1878), (581, 1908), (601, 1944), (617, 1971), (660, 2028), (697, 2112), (711, 2136), (766, 2214), (814, 2271), (827, 2295), (842, 2319), (952, 2448), (1012, 2505),

Gene: Nekros_8 Start: 3575, Stop: 5107, Start Num: 152
Candidate Starts for Nekros_8:
(91, 3491), (Start: 122 @3533 has 2 MA's), (128, 3542), (Start: 152 @3575 has 34 MA's), (224, 3689), (246, 3752), (260, 3785), (261, 3788), (272, 3833), (302, 3908), (371, 4019), (373, 4022), (386, 4058), (398, 4091), (534, 4340), (566, 4403), (578, 4430), (603, 4475), (674, 4589), (692, 4625), (709, 4655), (714, 4664), (752, 4718), (769, 4742), (952, 4976), (959, 4988),

Gene: Nenae_2 Start: 509, Stop: 2044, Start Num: 152
Candidate Starts for Nenae_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Nettuno_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Nettuno_2:
(Start: 93 @318 has 51 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Netyap_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Netyap_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: NeumannU_3 Start: 1086, Stop: 2546, Start Num: 106

Candidate Starts for NeumannU_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Neville_12 Start: 4818, Stop: 6263, Start Num: 153
Candidate Starts for Neville_12:
(Start: 153 @4818 has 47 MA's), (257, 5004), (290, 5097), (320, 5178), (331, 5190), (361, 5229), (372, 5247), (378, 5256), (404, 5340), (407, 5349), (433, 5409), (444, 5427), (517, 5547), (533, 5574), (571, 5643), (590, 5673), (647, 5739), (697, 5844), (747, 5931), (767, 5955), (801, 5994), (839, 6057), (877, 6108), (937, 6165),

Gene: Nibb_7 Start: 1575, Stop: 2999, Start Num: 164
Candidate Starts for Nibb_7:
(Start: 164 @1575 has 155 MA's), (201, 1641), (Start: 210 @1662 has 1 MA's), (Start: 223 @1686 has 16 MA's), (239, 1731), (255, 1770), (259, 1779), (271, 1827), (277, 1845), (288, 1863), (304, 1914), (335, 1953), (358, 1989), (391, 2067), (404, 2109), (407, 2118), (444, 2199), (537, 2313), (558, 2355), (561, 2361), (566, 2373), (581, 2403), (601, 2439), (606, 2454), (660, 2523), (680, 2565), (697, 2595), (743, 2664), (766, 2697), (767, 2700), (814, 2754), (831, 2787), (952, 2931), (1012, 2988),

Gene: Nicholas_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for Nicholas_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: Nicholasp3_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Nicholasp3_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Nicky22_4 Start: 1151, Stop: 2779, Start Num: 127
Candidate Starts for Nicky22_4:
(Start: 127 @1151 has 74 MA's), (222, 1307), (275, 1415), (283, 1439), (303, 1484), (309, 1499), (375, 1598), (394, 1649), (410, 1712), (430, 1760), (447, 1790), (697, 2261), (925, 2612), (952, 2660), (1026, 2768),

Gene: NiebruSaylor_30 Start: 13116, Stop: 14630, Start Num: 86
Candidate Starts for NiebruSaylor_30:
(Start: 86 @13116 has 18 MA's), (Start: 88 @13119 has 18 MA's), (Start: 210 @13299 has 1 MA's), (245, 13392), (270, 13467), (283, 13500), (295, 13527), (304, 13557), (391, 13710), (394, 13716), (404, 13752), (407, 13761), (444, 13842), (450, 13851), (452, 13854), (495, 13893), (534, 13950), (550, 13986), (553, 13989), (656, 14145), (660, 14154), (692, 14223), (697, 14232), (703, 14238), (722, 14271), (745, 14307), (814, 14394), (825, 14415), (888, 14478), (891, 14481), (894, 14484), (905, 14502), (925, 14523), (952, 14565), (985, 14601), (1005, 14613),

Gene: Niffler_3 Start: 1152, Stop: 2612, Start Num: 106
Candidate Starts for Niffler_3:
(Start: 106 @1152 has 126 MA's), (Start: 111 @1158 has 9 MA's), (217, 1320), (222, 1329), (258, 1389), (278, 1458), (290, 1479), (305, 1530), (409, 1734), (501, 1869), (540, 1947), (546, 1962), (557, 1980), (567, 1998), (588, 2040), (605, 2073), (621, 2091), (692, 2211), (694, 2214), (699, 2226), (705, 2238), (711, 2250), (749, 2301), (785, 2358), (788, 2364), (791, 2373), (799, 2382), (801, 2385), (919, 2547), (928, 2556), (934, 2565), (955, 2604),

Gene: Nikao_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for Nikao_4:
(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341, 1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: Niklas_8 Start: 1660, Stop: 3090, Start Num: 164
Candidate Starts for Niklas_8:
(Start: 121 @1618 has 4 MA's), (Start: 156 @1648 has 11 MA's), (Start: 164 @1660 has 155 MA's), (Start: 210 @1750 has 1 MA's), (Start: 223 @1774 has 16 MA's), (224, 1780), (239, 1819), (255, 1858), (259, 1867), (261, 1873), (271, 1915), (277, 1933), (288, 1951), (304, 2002), (341, 2050), (404, 2197), (407, 2206), (494, 2335), (537, 2401), (558, 2443), (561, 2449), (566, 2461), (581, 2491), (594, 2515), (606, 2542), (660, 2611), (680, 2653), (697, 2683), (711, 2707), (745, 2755), (797, 2818), (814, 2842), (842, 2893), (891, 2932), (952, 3022), (988, 3061), (1012, 3079), (1015, 3085),

Gene: Nobel_3 Start: 1179, Stop: 2639, Start Num: 106
Candidate Starts for Nobel_3:
(Start: 106 @1179 has 126 MA's), (Start: 111 @1185 has 9 MA's), (217, 1347), (222, 1356), (258, 1416), (278, 1485), (290, 1506), (305, 1557), (409, 1761), (501, 1896), (540, 1974), (546, 1989), (557, 2007), (567, 2025), (588, 2067), (605, 2100), (621, 2118), (692, 2238), (694, 2241), (699, 2253), (705, 2265), (711, 2277), (749, 2328), (785, 2385), (788, 2391), (791, 2400), (799, 2409), (801, 2412), (919, 2574), (928, 2583), (934, 2592), (955, 2631),

Gene: Noelani_3 Start: 1062, Stop: 2522, Start Num: 106
Candidate Starts for Noelani_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (501, 1779), (540, 1857), (546, 1872), (557, 1890), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (705, 2148), (711, 2160), (749, 2211), (785, 2268), (788, 2274), (791, 2283), (799, 2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: Noely_2 Start: 539, Stop: 2110, Start Num: 42
Candidate Starts for Noely_2:
(34, 521), (Start: 42 @539 has 3 MA's), (124, 644), (128, 647), (146, 674), (Start: 191 @743 has 1 MA's), (Start: 198 @755 has 7 MA's), (202, 764), (Start: 216 @791 has 4 MA's), (257, 845), (259, 851), (300, 971), (301, 974), (303, 980), (304, 986), (305, 989), (310, 998), (375, 1097), (414, 1217), (482, 1334), (509, 1364), (522, 1388), (556, 1448), (566, 1469), (622, 1565), (663, 1616), (667, 1631), (674, 1643), (676, 1649), (697, 1691), (740, 1754), (775, 1811), (835, 1895), (948, 2048), (952, 2057), (958, 2066),

Gene: November_6 Start: 1229, Stop: 2665, Start Num: 156
Candidate Starts for November_6:

(98, 1169), (123, 1202), (Start: 156 @1229 has 11 MA's), (Start: 164 @1241 has 155 MA's), (Start: 210 @1328 has 1 MA's), (Start: 223 @1352 has 16 MA's), (255, 1436), (259, 1445), (271, 1493), (277, 1511), (288, 1529), (304, 1580), (341, 1628), (358, 1655), (404, 1775), (407, 1784), (408, 1787), (420, 1817), (444, 1865), (537, 1979), (581, 2069), (606, 2120), (627, 2141), (660, 2189), (680, 2231), (697, 2261), (711, 2285), (745, 2333), (814, 2420), (952, 2597), (1012, 2654), (1015, 2660),

Gene: Nubia_5 Start: 3068, Stop: 4633, Start Num: 75
Candidate Starts for Nubia_5:
(Start: 75 @3068 has 75 MA's), (Start: 198 @3242 has 7 MA's), (Start: 216 @3278 has 4 MA's), (257, 3332), (260, 3341), (266, 3371), (267, 3374), (272, 3389), (275, 3398), (334, 3524), (393, 3653), (395, 3659), (410, 3719), (436, 3779), (499, 3878), (519, 3908), (526, 3923), (556, 3971), (623, 4091), (676, 4166), (709, 4235), (767, 4310), (780, 4331), (806, 4352), (843, 4421), (925, 4499), (948, 4538), (964, 4568), (973, 4580), (1010, 4619), (1015, 4628),

Gene: Nutello_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for Nutello_4:
(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341, 1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: OBUpride_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for OBUpride_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: ODay_3 Start: 671, Stop: 2188, Start Num: 154
Candidate Starts for ODay_3:
(132, 662), (Start: 154 @671 has 76 MA's), (218, 788), (Start: 223 @797 has 16 MA's), (225, 806), (241, 851), (246, 869), (253, 884), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (313, 1049), (333, 1070), (342, 1088), (344, 1091), (345, 1094), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (409, 1256), (412, 1262), (420, 1277), (428, 1289), (445, 1328), (497, 1409), (520, 1451), (563, 1532), (566, 1541), (579, 1568), (617, 1634), (640, 1655), (698, 1757), (714, 1784), (823, 1931), (829, 1943), (842, 1961), (925, 2039), (927, 2042), (930, 2045), (952, 2087), (960, 2099), (969, 2111),

Gene: OMalley_2 Start: 429, Stop: 1994, Start Num: 75
Candidate Starts for OMalley_2:
(Start: 75 @429 has 75 MA's), (Start: 196 @600 has 2 MA's), (257, 693), (275, 759), (283, 783), (305, 837), (375, 966), (410, 1080), (436, 1140), (456, 1170), (519, 1269), (526, 1284), (572, 1365), (623, 1452), (676, 1527), (677, 1530), (691, 1560), (749, 1644), (780, 1692), (807, 1716), (884, 1806), (925, 1860), (973, 1941), (1010, 1980),

Gene: Oaklynn_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Oaklynn_3:

(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (501, 1791), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Obliviate_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Obliviate_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (390, 891), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911),

Gene: OctaviousRex_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for OctaviousRex_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Octobien14_13 Start: 6018, Stop: 7493, Start Num: 153
Candidate Starts for Octobien14_13:
(Start: 153 @6018 has 47 MA's), (231, 6165), (257, 6204), (261, 6216), (303, 6339), (372, 6480), (374, 6483), (395, 6540), (407, 6582), (409, 6594), (422, 6618), (433, 6642), (442, 6657), (444, 6660), (460, 6684), (546, 6828), (553, 6837), (564, 6858), (590, 6906), (652, 6981), (655, 6987), (675, 7032), (687, 7056), (692, 7065), (700, 7083), (709, 7101), (766, 7182), (771, 7194), (801, 7224), (806, 7230), (865, 7320), (877, 7338), (967, 7437), (980, 7455), (1003, 7485),

Gene: Octopus_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Octopus_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Ogopogo_4 Start: 925, Stop: 2445, Start Num: 154
Candidate Starts for Ogopogo_4:
(Start: 131 @913 has 3 MA's), (Start: 154 @925 has 76 MA's), (Start: 223 @1051 has 16 MA's), (225, 1060), (241, 1105), (251, 1135), (253, 1138), (257, 1144), (268, 1189), (276, 1213), (333, 1324), (342, 1342), (344, 1345), (358, 1369), (374, 1396), (394, 1453), (404, 1489), (407, 1498), (409, 1510), (412, 1516), (420, 1531), (428, 1543), (441, 1576), (445, 1582), (467, 1618), (496, 1657), (511, 1687), (513, 1690), (563, 1786), (566, 1795), (579, 1822), (633, 1906), (651, 1921), (709, 2032), (714, 2041), (722, 2050), (766, 2113), (823, 2188), (829, 2200), (842, 2218), (888, 2254), (925, 2296), (930, 2302), (952, 2344), (960, 2356), (969, 2368), (1023, 2434),

Gene: OhShagHennessy_4 Start: 1031, Stop: 2608, Start Num: 88
Candidate Starts for OhShagHennessy_4:
(Start: 84 @1025 has 63 MA's), (Start: 88 @1031 has 18 MA's), (199, 1202), (245, 1289), (257, 1307), (259, 1313), (267, 1349), (322, 1487), (324, 1490), (372, 1565), (393, 1622), (394, 1625), (481, 1793), (503, 1847), (509, 1856), (517, 1871), (529, 1892), (553, 1931), (564, 1952), (566, 1958), (578, 1985),

(608, 2027), (642, 2051), (654, 2069), (658, 2078), (660, 2084), (675, 2117), (692, 2150), (711, 2189), (714, 2195), (717, 2198), (747, 2243), (799, 2309), (830, 2360), (845, 2384), (856, 2399), (857, 2402), (952, 2504), (972, 2531), (1012, 2582), (1014, 2585),

Gene: Ohgeesy_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for Ohgeesy_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (493, 1071), (542, 1137), (566, 1179), (602, 1257), (619, 1281), (628, 1293), (643, 1314), (658, 1338), (660, 1344), (668, 1365), (714, 1458), (742, 1500), (745, 1506), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (911, 1743), (965, 1827), (992, 1857),

Gene: OkiRoe_6 Start: 1327, Stop: 2754, Start Num: 172
Candidate Starts for OkiRoe_6:
(89, 1234), (Start: 172 @1327 has 22 MA's), (201, 1384), (Start: 210 @1405 has 1 MA's), (Start: 223 @1429 has 16 MA's), (255, 1513), (259, 1522), (261, 1528), (271, 1570), (277, 1588), (288, 1606), (304, 1657), (358, 1732), (391, 1810), (404, 1852), (407, 1861), (408, 1864), (444, 1942), (537, 2056), (561, 2104), (581, 2146), (594, 2170), (601, 2182), (617, 2209), (655, 2254), (660, 2266), (741, 2413), (766, 2452), (814, 2509), (827, 2533), (842, 2557), (877, 2581), (950, 2680), (952, 2686), (1012, 2743),

Gene: Oksu_3 Start: 798, Stop: 2159, Start Num: 223
Candidate Starts for Oksu_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (224, 804), (240, 846), (241, 852), (253, 885), (257, 891), (259, 897), (268, 936), (276, 960), (287, 978), (288, 981), (302, 1023), (310, 1044), (333, 1071), (337, 1080), (342, 1089), (344, 1092), (374, 1143), (394, 1200), (400, 1221), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (441, 1323), (445, 1329), (495, 1398), (496, 1404), (513, 1437), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (684, 1743), (714, 1788), (766, 1860), (800, 1899), (823, 1935), (826, 1941), (842, 1965), (882, 1995), (888, 2001), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: Olga_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Olga_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Olliecat_3 Start: 953, Stop: 2530, Start Num: 127
Candidate Starts for Olliecat_3:
(Start: 127 @953 has 74 MA's), (Start: 144 @980 has 1 MA's), (202, 1070), (222, 1109), (258, 1154), (275, 1217), (280, 1232), (305, 1295), (394, 1451), (410, 1514), (435, 1571), (436, 1574), (447, 1592), (458, 1607), (563, 1829), (595, 1892), (605, 1916), (651, 1967), (652, 1970), (657, 1979), (668, 2003), (696, 2057), (709, 2087), (749, 2135), (843, 2273), (890, 2345), (950, 2432), (959, 2450), (1018, 2522),

Gene: OmniCritical_9 Start: 2570, Stop: 3910, Start Num: 223
Candidate Starts for OmniCritical_9:
(Start: 164 @2465 has 155 MA's), (Start: 223 @2570 has 16 MA's), (255, 2654), (259, 2663), (267, 2699), (271, 2711), (276, 2726), (288, 2753), (304, 2804), (313, 2822), (341, 2852), (358, 2879), (391, 2957), (404, 2999), (407, 3008), (408, 3011), (444, 3089), (450, 3098), (494, 3137), (537, 3203), (561, 3251), (581, 3293), (660, 3410), (678, 3452), (697, 3497), (743, 3566), (771, 3611), (797, 3632), (814, 3656), (952, 3833), (1012, 3899), (1015, 3905),

Gene: Omnicron_6 Start: 1387, Stop: 2814, Start Num: 172
Candidate Starts for Omnicron_6:
(Start: 156 @1366 has 11 MA's), (Start: 172 @1387 has 22 MA's), (201, 1444), (Start: 210 @1465 has 1 MA's), (Start: 223 @1489 has 16 MA's), (255, 1573), (259, 1582), (271, 1630), (277, 1648), (288, 1666), (304, 1717), (311, 1732), (358, 1792), (391, 1870), (404, 1912), (407, 1921), (408, 1924), (426, 1963), (444, 2002), (537, 2116), (550, 2146), (561, 2164), (581, 2206), (601, 2242), (617, 2269), (660, 2326), (697, 2410), (766, 2512), (771, 2524), (814, 2569), (827, 2593), (842, 2617), (952, 2746), (1012, 2803),

Gene: OneDirection_2 Start: 438, Stop: 1937, Start Num: 156
Candidate Starts for OneDirection_2:
(134, 423), (139, 429), (Start: 156 @438 has 11 MA's), (Start: 178 @474 has 1 MA's), (Start: 191 @498 has 1 MA's), (204, 525), (Start: 210 @537 has 1 MA's), (217, 549), (257, 651), (258, 654), (263, 675), (288, 741), (290, 744), (304, 792), (309, 801), (310, 804), (374, 912), (386, 948), (394, 969), (407, 1014), (408, 1017), (422, 1059), (428, 1068), (495, 1155), (530, 1206), (556, 1257), (561, 1266), (563, 1269), (579, 1308), (581, 1311), (598, 1341), (652, 1401), (658, 1413), (660, 1419), (692, 1491), (695, 1494), (739, 1566), (755, 1593), (758, 1596), (810, 1659), (817, 1668), (857, 1731), (880, 1755), (892, 1767), (895, 1770), (945, 1836), (948, 1845), (950, 1848), (952, 1854), (957, 1860), (1012, 1926),

Gene: Opie_2 Start: 520, Stop: 2169, Start Num: 82
Candidate Starts for Opie_2:
(Start: 82 @520 has 6 MA's), (103, 550), (Start: 118 @571 has 4 MA's), (221, 721), (234, 754), (304, 931), (309, 940), (363, 1054), (410, 1189), (493, 1324), (510, 1339), (542, 1390), (566, 1432), (628, 1546), (637, 1564), (643, 1567), (714, 1711), (722, 1720), (799, 1831), (811, 1849), (854, 1921), (878, 1957), (921, 2011), (954, 2071), (984, 2122),

Gene: Orcanus_3 Start: 751, Stop: 2331, Start Num: 135
Candidate Starts for Orcanus_3:
(Start: 81 @685 has 7 MA's), (Start: 135 @751 has 10 MA's), (Start: 198 @847 has 7 MA's), (202, 856), (Start: 207 @865 has 1 MA's), (217, 886), (226, 910), (257, 937), (261, 949), (269, 985), (275, 1003), (283, 1027), (295, 1048), (375, 1186), (396, 1249), (410, 1300), (416, 1318), (436, 1360), (449, 1381), (474, 1441), (488, 1471), (491, 1480), (523, 1543), (657, 1771), (676, 1810), (688, 1837), (697, 1852), (711, 1882), (747, 1921), (793, 1999), (810, 2029), (825, 2056), (950, 2239), (952, 2245), (964, 2266), (1012, 2320),

Gene: Oregano_2 Start: 348, Stop: 1907, Start Num: 93
Candidate Starts for Oregano_2:
(51, 288), (Start: 93 @348 has 51 MA's), (Start: 178 @456 has 1 MA's), (221, 534), (234, 567), (268, 651), (271, 660), (288, 696), (310, 756), (372, 846), (374, 849), (404, 942), (407, 951), (410, 966), (493, 1101), (542, 1167), (566, 1209), (597, 1278), (601, 1284), (628, 1323), (643, 1344), (660, 1374), (668, 1395), (692, 1440), (713, 1476), (714, 1479), (742, 1521), (831, 1650), (864, 1701), (952, 1830), (1008, 1890),

Gene: Oscar_7 Start: 1482, Stop: 2906, Start Num: 164
Candidate Starts for Oscar_7:
(Start: 164 @1482 has 155 MA's), (Start: 210 @1569 has 1 MA's), (Start: 223 @1593 has 16 MA's), (224, 1599), (255, 1677), (259, 1686), (261, 1692), (271, 1734), (277, 1752), (288, 1770), (304, 1821), (335, 1860), (358, 1896), (391, 1974), (404, 2016), (407, 2025), (444, 2106), (537, 2220), (558, 2262), (561, 2268), (566, 2280), (581, 2310), (594, 2334), (601, 2346), (606, 2361), (660, 2430), (680, 2472), (743, 2571), (766, 2604), (767, 2607), (799, 2643), (814, 2661), (1012, 2895),

Gene: OtsoOtso_3 Start: 849, Stop: 2330, Start Num: 198
Candidate Starts for OtsoOtso_3:

(Start: 81 @684 has 7 MA's), (Start: 198 @849 has 7 MA's), (217, 888), (257, 939), (261, 951), (269, 987), (275, 1005), (375, 1188), (410, 1302), (415, 1314), (436, 1362), (449, 1383), (459, 1398), (481, 1455), (657, 1770), (688, 1836), (711, 1881), (747, 1920), (754, 1932), (793, 1998), (810, 2028), (833, 2073), (864, 2115), (884, 2142), (885, 2145), (950, 2238), (952, 2244), (964, 2265), (973, 2277), (1010, 2316), (1012, 2319),

Gene: Otwor_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Otwor_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: OurGirlNessie_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for OurGirlNessie_2:
(Start: 75 @426 has 75 MA's), (168, 549), (257, 690), (267, 732), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: Ouroboros_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for Ouroboros_2:
(Start: 153 @378 has 47 MA's), (Start: 160 @387 has 3 MA's), (177, 417), (186, 435), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (444, 1041), (446, 1044), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (641, 1335), (654, 1356), (673, 1398), (696, 1440), (711, 1467), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (805, 1584), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (844, 1647), (849, 1656), (863, 1671), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (972, 1827), (977, 1833), (1010, 1875), (1014, 1881),

Gene: Owens_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Owens_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: OwlsT2W_3 Start: 797, Stop: 2158, Start Num: 223
Candidate Starts for OwlsT2W_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Oxynfrius_5 Start: 3081, Stop: 4646, Start Num: 75
Candidate Starts for Oxynfrius_5:
(Start: 75 @3081 has 75 MA's), (Start: 198 @3255 has 7 MA's), (Start: 216 @3291 has 4 MA's), (257, 3345), (260, 3354), (267, 3387), (272, 3402), (275, 3411), (334, 3537), (387, 3651), (393, 3666), (395,

3672), (410, 3732), (499, 3891), (519, 3921), (556, 3984), (572, 4017), (623, 4104), (676, 4179), (691, 4212), (709, 4248), (767, 4323), (780, 4344), (806, 4365), (843, 4434), (925, 4512), (948, 4551), (964, 4581), (973, 4593), (1010, 4632), (1015, 4641),

Gene: P1.1_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for P1.1_2:
(Start: 153 @378 has 47 MA's), (171, 402), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (546, 1191), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (863, 1671), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: P100.1_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for P100.1_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (434, 1026), (446, 1044), (448, 1047), (455, 1053), (504, 1134), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: P100A_2 Start: 383, Stop: 1894, Start Num: 153
Candidate Starts for P100A_2:
(Start: 153 @383 has 47 MA's), (186, 440), (214, 485), (225, 512), (226, 515), (254, 563), (259, 572), (261, 578), (267, 608), (270, 617), (272, 623), (288, 656), (295, 674), (303, 698), (304, 704), (321, 743), (326, 752), (328, 755), (378, 866), (388, 902), (393, 911), (394, 914), (400, 935), (404, 950), (407, 959), (426, 1010), (434, 1031), (444, 1046), (446, 1049), (448, 1052), (504, 1139), (540, 1184), (556, 1211), (566, 1232), (603, 1292), (624, 1319), (648, 1349), (658, 1370), (704, 1457), (723, 1490), (734, 1502), (738, 1508), (754, 1535), (768, 1556), (769, 1559), (771, 1562), (784, 1574), (819, 1610), (830, 1631), (860, 1673), (885, 1709), (887, 1712), (897, 1724), (904, 1736), (948, 1796), (951, 1802), (956, 1811), (969, 1826), (1010, 1880), (1014, 1886),

Gene: P100D_2 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for P100D_2:
(Start: 153 @373 has 47 MA's), (171, 397), (177, 412), (186, 430), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (267, 598), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (434, 1021), (444, 1036), (446, 1039), (448, 1042), (464, 1063), (504, 1129), (521, 1150), (540, 1174), (546, 1186), (556, 1201), (566, 1222), (605, 1288), (635, 1321), (654, 1351), (673, 1393), (711, 1462), (723, 1480), (734, 1492), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (818, 1597), (830, 1621), (860, 1663), (885, 1699), (887, 1702), (904, 1726), (948, 1786), (951, 1792), (956, 1801), (1010, 1870), (1014, 1876),

Gene: P101A_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for P101A_2:
(Start: 153 @378 has 47 MA's), (171, 402), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693),

(304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (948, 1791), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: P104A_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for P104A_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (241, 528), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (434, 1026), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (844, 1647), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: P104B_2 Start: 385, Stop: 1884, Start Num: 162
Candidate Starts for P104B_2:
(Start: 151 @370 has 1 MA's), (Start: 153 @373 has 47 MA's), (Start: 162 @385 has 5 MA's), (177, 412), (186, 430), (206, 457), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (267, 598), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (434, 1021), (446, 1039), (448, 1042), (455, 1048), (504, 1129), (521, 1150), (540, 1174), (556, 1201), (566, 1222), (605, 1288), (635, 1321), (654, 1351), (673, 1393), (717, 1471), (723, 1480), (734, 1492), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (818, 1597), (827, 1615), (830, 1621), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (951, 1792), (956, 1801), (959, 1807), (977, 1828), (1010, 1870), (1014, 1876),

Gene: P105_2 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for P105_2:
(Start: 153 @373 has 47 MA's), (177, 412), (186, 430), (206, 457), (214, 475), (225, 502), (226, 505), (241, 523), (254, 553), (259, 562), (261, 568), (267, 598), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (372, 847), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (434, 1021), (446, 1039), (448, 1042), (455, 1048), (464, 1063), (504, 1129), (521, 1150), (540, 1174), (556, 1201), (566, 1222), (605, 1288), (635, 1321), (673, 1393), (696, 1435), (717, 1471), (723, 1480), (734, 1492), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (819, 1600), (827, 1615), (830, 1621), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (951, 1792), (956, 1801), (959, 1807), (977, 1828), (1010, 1870), (1014, 1876),

Gene: P106A_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for P106A_2:
(Start: 153 @378 has 47 MA's), (Start: 162 @390 has 5 MA's), (171, 402), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (566, 1227), (605, 1293), (635, 1326), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821),

(1010, 1875), (1014, 1881),

Gene: P106C_2 Start: 390, Stop: 1889, Start Num: 162
Candidate Starts for P106C_2:
(Start: 153 @378 has 47 MA's), (Start: 162 @390 has 5 MA's), (171, 402), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (566, 1227), (605, 1293), (635, 1326), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: P106I_2 Start: 390, Stop: 1889, Start Num: 162
Candidate Starts for P106I_2:
(Start: 153 @378 has 47 MA's), (Start: 162 @390 has 5 MA's), (171, 402), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (566, 1227), (605, 1293), (635, 1326), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: P106L_2 Start: 390, Stop: 1889, Start Num: 162
Candidate Starts for P106L_2:
(Start: 153 @378 has 47 MA's), (Start: 162 @390 has 5 MA's), (171, 402), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (566, 1227), (605, 1293), (635, 1326), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: P106M_2 Start: 390, Stop: 1889, Start Num: 162
Candidate Starts for P106M_2:
(Start: 153 @378 has 47 MA's), (Start: 162 @390 has 5 MA's), (171, 402), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (566, 1227), (605, 1293), (635, 1326), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: P107A_2 Start: 386, Stop: 1897, Start Num: 153
Candidate Starts for P107A_2:

(Start: 153 @386 has 47 MA's), (Start: 160 @395 has 3 MA's), (177, 425), (186, 443), (214, 488), (225, 515), (226, 518), (241, 536), (254, 566), (259, 575), (261, 581), (267, 611), (270, 620), (272, 626), (288, 659), (295, 677), (303, 701), (304, 707), (321, 746), (326, 755), (328, 758), (344, 797), (345, 800), (378, 869), (393, 914), (394, 917), (400, 938), (404, 953), (407, 962), (409, 974), (426, 1013), (434, 1034), (444, 1049), (446, 1052), (448, 1055), (455, 1061), (521, 1163), (546, 1199), (566, 1235), (605, 1301), (654, 1364), (669, 1400), (673, 1406), (734, 1505), (738, 1511), (754, 1538), (768, 1559), (769, 1562), (771, 1565), (784, 1577), (805, 1592), (816, 1607), (818, 1610), (830, 1634), (844, 1655), (849, 1664), (885, 1712), (887, 1715), (897, 1727), (904, 1739), (951, 1805), (956, 1814), (959, 1820), (969, 1829), (1010, 1883), (1014, 1889),

Gene: P107C_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for P107C_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: P108C_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for P108C_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (214, 480), (225, 507), (226, 510), (241, 528), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (556, 1206), (566, 1227), (605, 1293), (654, 1356), (673, 1398), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (771, 1557), (818, 1602), (827, 1620), (830, 1626), (863, 1671), (885, 1704), (887, 1707), (897, 1719), (951, 1797), (956, 1806), (986, 1842), (1010, 1875), (1014, 1881),

Gene: P14.4_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for P14.4_2:
(Start: 153 @378 has 47 MA's), (Start: 162 @390 has 5 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (241, 528), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (464, 1068), (504, 1134), (512, 1143), (521, 1155), (540, 1179), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (771, 1557), (784, 1569), (818, 1602), (827, 1620), (830, 1626), (885, 1704), (887, 1707), (897, 1719), (951, 1797), (956, 1806), (959, 1812), (972, 1827), (977, 1833), (1010, 1875), (1014, 1881),

Gene: P3MA_3 Start: 954, Stop: 2408, Start Num: 169
Candidate Starts for P3MA_3:
(Start: 169 @954 has 4 MA's), (Start: 210 @1038 has 1 MA's), (258, 1149), (259, 1152), (267, 1188), (283, 1230), (288, 1236), (309, 1296), (360, 1365), (390, 1434), (394, 1446), (400, 1467), (407, 1491), (412, 1509), (426, 1533), (428, 1536), (444, 1572), (450, 1581), (497, 1656), (518, 1683), (556, 1746), (558, 1749), (570, 1776), (601, 1836), (660, 1917), (707, 2004), (745, 2058), (766, 2088), (814, 2145), (943, 2298), (950, 2316), (1012, 2397), (1014, 2400),

Gene: P9.1_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for P9.1_2:
(Start: 153 @373 has 47 MA's), (171, 397), (177, 412), (186, 430), (206, 457), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (372, 847), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (434, 1021), (444, 1036), (446, 1039), (448, 1042), (504, 1129), (521, 1150), (566, 1222), (605, 1288), (635, 1321), (673, 1393), (696, 1435), (717, 1471), (723, 1480), (734, 1492), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (819, 1600), (827, 1615), (830, 1621), (860, 1663), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (951, 1792), (956, 1801), (959, 1807), (977, 1828), (1010, 1870), (1014, 1876),

Gene: PA6_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for PA6_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: PAD20_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for PAD20_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (948, 1791), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: PAS50_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for PAS50_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (434, 1026), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (689, 1428), (711, 1467), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (844, 1647), (863, 1671), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: PCoral7_2 Start: 378, Stop: 1928, Start Num: 127
Candidate Starts for PCoral7_2:
(Start: 104 @348 has 38 MA's), (109, 354), (Start: 113 @360 has 34 MA's), (Start: 116 @363 has 12 MA's), (Start: 127 @378 has 74 MA's), (176, 441), (Start: 196 @477 has 2 MA's), (205, 492), (211, 504), (221, 519), (234, 552), (247, 573), (258, 594), (267, 633), (275, 657), (288, 693), (304, 741), (325, 783), (335, 795), (393, 900), (441, 1020), (451, 1035), (520, 1113), (537, 1146), (542, 1164), (628, 1320), (655, 1359), (689, 1431), (717, 1479), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (811, 1614), (862, 1701), (892, 1743), (931, 1794), (1012, 1911), (1015, 1917),

Gene: PFR1_02 Start: 407, Stop: 1978, Start Num: 129
Candidate Starts for PFR1_02:
(129, 407), (133, 416), (224, 572), (258, 608), (261, 617), (275, 671), (283, 695), (301, 734), (369, 854), (375, 863), (390, 905), (391, 911), (393, 914), (413, 986), (435, 1037), (436, 1040), (443, 1052), (447, 1058), (449, 1061), (468, 1094), (481, 1136), (492, 1160), (658, 1451), (660, 1457), (680, 1499), (691, 1523), (696, 1529), (697, 1532), (709, 1559), (747, 1601), (751, 1610), (754, 1613), (801, 1667), (819, 1694), (836, 1730), (869, 1763), (903, 1808), (950, 1880), (968, 1910), (1014, 1964),

Gene: PFR2_02 Start: 407, Stop: 1978, Start Num: 129
Candidate Starts for PFR2_02:
(129, 407), (133, 416), (224, 572), (258, 608), (261, 617), (275, 671), (283, 695), (301, 734), (369, 854), (375, 863), (390, 905), (391, 911), (393, 914), (413, 986), (435, 1037), (436, 1040), (443, 1052), (447, 1058), (449, 1061), (468, 1094), (481, 1136), (492, 1160), (658, 1451), (660, 1457), (680, 1499), (691, 1523), (696, 1529), (697, 1532), (709, 1559), (747, 1601), (751, 1610), (754, 1613), (801, 1667), (819, 1694), (836, 1730), (869, 1763), (903, 1808), (950, 1880), (968, 1910), (1014, 1964),

Gene: PHL010M04_02 Start: 377, Stop: 1888, Start Num: 153
Candidate Starts for PHL010M04_02:
(Start: 153 @377 has 47 MA's), (Start: 160 @386 has 3 MA's), (177, 416), (186, 434), (214, 479), (225, 506), (226, 509), (248, 545), (254, 557), (259, 566), (261, 572), (267, 602), (270, 611), (272, 617), (288, 650), (295, 668), (303, 692), (321, 737), (326, 746), (328, 749), (344, 788), (345, 791), (378, 860), (393, 905), (394, 908), (400, 929), (404, 944), (407, 953), (409, 965), (426, 1004), (434, 1025), (444, 1040), (446, 1043), (455, 1052), (504, 1133), (556, 1205), (566, 1226), (603, 1286), (605, 1292), (641, 1334), (654, 1355), (673, 1397), (704, 1451), (738, 1502), (754, 1529), (768, 1550), (784, 1568), (805, 1583), (816, 1598), (819, 1604), (849, 1655), (885, 1703), (887, 1706), (897, 1718), (951, 1796), (956, 1805), (972, 1826), (977, 1832), (1010, 1874), (1014, 1880),

Gene: PHL037M02_02 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for PHL037M02_02:
(Start: 153 @378 has 47 MA's), (171, 402), (177, 417), (186, 435), (206, 462), (214, 480), (Start: 216 @483 has 4 MA's), (225, 507), (226, 510), (254, 558), (259, 567), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (464, 1068), (521, 1155), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (711, 1467), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (818, 1602), (827, 1620), (830, 1626), (885, 1704), (887, 1707), (951, 1797), (956, 1806), (1010, 1875), (1014, 1881),

Gene: PHL060L00_02 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for PHL060L00_02:
(Start: 151 @370 has 1 MA's), (Start: 153 @373 has 47 MA's), (Start: 162 @385 has 5 MA's), (177, 412), (186, 430), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (444, 1036), (446, 1039), (448, 1042), (464, 1063), (504, 1129), (540, 1174), (556, 1201), (566, 1222), (605, 1288), (635, 1321), (646, 1336), (696, 1435), (717, 1471), (723, 1480), (734, 1492), (738, 1498), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (816, 1594), (819, 1600), (827, 1615), (830, 1621), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (951, 1792), (956, 1801), (959, 1807), (977, 1828), (1010, 1870), (1014, 1876),

Gene: PHL067M10_02 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for PHL067M10_02:
(Start: 153 @378 has 47 MA's), (186, 435), (214, 480), (225, 507), (226, 510), (241, 528), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699),

(321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (372, 852), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (426, 1005), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (464, 1068), (504, 1134), (540, 1179), (556, 1206), (566, 1227), (605, 1293), (635, 1326), (673, 1398), (689, 1428), (696, 1440), (717, 1476), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (860, 1668), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: PHL071N05_02 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for PHL071N05_02:
(Start: 153 @373 has 47 MA's), (171, 397), (186, 430), (206, 457), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (372, 847), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (434, 1021), (444, 1036), (446, 1039), (448, 1042), (464, 1063), (504, 1129), (566, 1222), (605, 1288), (635, 1321), (654, 1351), (673, 1393), (717, 1471), (723, 1480), (734, 1492), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (818, 1597), (827, 1615), (830, 1621), (863, 1666), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (951, 1792), (956, 1801), (959, 1807), (969, 1816), (1010, 1870), (1014, 1876),

Gene: PHL111M01_02 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for PHL111M01_02:
(Start: 153 @378 has 47 MA's), (Start: 162 @390 has 5 MA's), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (444, 1041), (446, 1044), (448, 1047), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (605, 1293), (635, 1326), (654, 1356), (673, 1398), (689, 1428), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (830, 1626), (863, 1671), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (986, 1842), (1010, 1875), (1014, 1881),

Gene: PHL112N00_02 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for PHL112N00_02:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (241, 528), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (434, 1026), (446, 1044), (448, 1047), (455, 1053), (464, 1068), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (635, 1326), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (830, 1626), (863, 1671), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (969, 1821), (1010, 1875), (1014, 1881),

Gene: PHL113M01_02 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for PHL113M01_02:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (434, 1026), (444, 1041), (446, 1044), (448, 1047), (455, 1053), (504, 1134), (521, 1155), (540, 1179), (566, 1227), (605, 1293), (635, 1326), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (738, 1503), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (819, 1605), (827, 1620), (830, 1626), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (986, 1842), (1010, 1875), (1014, 1881),

Gene: PHL114L00_02 Start: 386, Stop: 1897, Start Num: 153

Candidate Starts for PHL114L00_02:
(Start: 153 @386 has 47 MA's), (186, 443), (214, 488), (225, 515), (226, 518), (254, 566), (259, 575), (261, 581), (267, 611), (270, 620), (272, 626), (288, 659), (295, 677), (303, 701), (304, 707), (326, 755), (328, 758), (344, 797), (345, 800), (378, 869), (393, 914), (394, 917), (400, 938), (404, 953), (407, 962), (434, 1034), (444, 1049), (446, 1052), (448, 1055), (521, 1163), (556, 1214), (566, 1235), (605, 1301), (654, 1364), (673, 1406), (696, 1448), (717, 1484), (734, 1505), (738, 1511), (754, 1538), (768, 1559), (769, 1562), (771, 1565), (784, 1577), (816, 1607), (818, 1610), (827, 1628), (830, 1634), (849, 1664), (863, 1679), (885, 1712), (887, 1715), (897, 1727), (951, 1805), (956, 1814), (959, 1820), (969, 1829), (980, 1844), (1010, 1883), (1014, 1889),

Gene: PYPDinur_4 Start: 771, Stop: 2333, Start Num: 84
Candidate Starts for PYPDinur_4:
(Start: 84 @771 has 63 MA's), (Start: 88 @777 has 18 MA's), (190, 927), (225, 993), (242, 1023), (257, 1047), (262, 1062), (272, 1104), (324, 1230), (394, 1368), (400, 1389), (407, 1413), (442, 1488), (481, 1536), (517, 1614), (529, 1635), (542, 1659), (546, 1665), (564, 1695), (566, 1701), (582, 1737), (660, 1827), (711, 1932), (717, 1941), (735, 1965), (747, 1986), (799, 2052), (865, 2154), (972, 2274), (977, 2280), (995, 2301), (1012, 2325),

Gene: Pace1224_2 Start: 359, Stop: 1903, Start Num: 87
Candidate Starts for Pace1224_2:
(Start: 87 @359 has 20 MA's), (258, 632), (271, 683), (288, 719), (309, 779), (317, 800), (394, 932), (404, 968), (409, 989), (426, 1019), (444, 1058), (450, 1067), (561, 1220), (602, 1298), (645, 1364), (660, 1391), (714, 1490), (797, 1604), (814, 1628), (825, 1649), (877, 1700), (888, 1715), (952, 1808), (1012, 1892), (1015, 1898),

Gene: Padfoot_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Padfoot_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Padpat_8 Start: 1593, Stop: 3017, Start Num: 164
Candidate Starts for Padpat_8:
(98, 1521), (Start: 156 @1581 has 11 MA's), (Start: 164 @1593 has 155 MA's), (Start: 223 @1704 has 16 MA's), (224, 1710), (255, 1788), (259, 1797), (271, 1845), (277, 1863), (304, 1932), (336, 1974), (341, 1980), (358, 2007), (360, 2010), (404, 2127), (407, 2136), (444, 2217), (537, 2331), (561, 2379), (566, 2391), (581, 2421), (594, 2445), (601, 2457), (658, 2535), (660, 2541), (745, 2688), (767, 2721), (814, 2775), (952, 2952), (1012, 3006),

Gene: Paito_2 Start: 555, Stop: 1928, Start Num: 210
Candidate Starts for Paito_2:
(Start: 87 @354 has 20 MA's), (Start: 191 @516 has 1 MA's), (Start: 210 @555 has 1 MA's), (258, 666), (271, 717), (288, 753), (309, 813), (317, 834), (394, 978), (404, 1014), (409, 1035), (426, 1065), (444, 1104), (450, 1113), (561, 1266), (591, 1326), (645, 1395), (660, 1422), (666, 1437), (714, 1521), (766, 1602), (782, 1629), (797, 1635), (799, 1641), (814, 1659), (825, 1680), (872, 1725), (888, 1746), (952, 1839), (1014, 1920),

Gene: Panchino_2 Start: 509, Stop: 2044, Start Num: 152
Candidate Starts for Panchino_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (224, 635), (225, 638), (250, 686), (264, 722), (267,

737), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: PantheRoc_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for PantheRoc_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (493, 1071), (542, 1137), (566, 1179), (602, 1257), (619, 1281), (628, 1293), (643, 1314), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (911, 1743), (965, 1827), (992, 1857),

Gene: PaoPu_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for PaoPu_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Paola_6 Start: 1326, Stop: 2753, Start Num: 172
Candidate Starts for Paola_6:
(89, 1233), (Start: 172 @1326 has 22 MA's), (201, 1383), (Start: 210 @1404 has 1 MA's), (Start: 223 @1428 has 16 MA's), (255, 1512), (259, 1521), (261, 1527), (271, 1569), (277, 1587), (288, 1605), (304, 1656), (358, 1731), (391, 1809), (404, 1851), (407, 1860), (408, 1863), (444, 1941), (537, 2055), (561, 2103), (581, 2145), (594, 2169), (601, 2181), (617, 2208), (655, 2253), (660, 2265), (741, 2412), (766, 2451), (814, 2508), (827, 2532), (842, 2556), (877, 2580), (950, 2679), (952, 2685), (1012, 2742),

Gene: Parada_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for Parada_6:
(123, 1810), (126, 1813), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (299, 2176), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (514, 2599), (606, 2788), (618, 2800), (654, 2848), (672, 2890), (699, 2941), (743, 3016), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: Parmesanjohn_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Parmesanjohn_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: PartyCup_5 Start: 3290, Stop: 4672, Start Num: 202
Candidate Starts for PartyCup_5:
(Start: 75 @3104 has 75 MA's), (202, 3290), (257, 3371), (261, 3383), (267, 3413), (272, 3428), (283, 3461), (334, 3563), (375, 3644), (393, 3692), (410, 3758), (430, 3806), (435, 3815), (473, 3890), (499, 3917), (519, 3947), (657, 4166), (691, 4238), (709, 4274), (780, 4370), (831, 4436), (869, 4466), (873, 4472), (925, 4538), (1010, 4658),

Gene: PastaFagioli_3 Start: 769, Stop: 2394, Start Num: 127

Candidate Starts for PastaFagioli_3:
(Start: 127 @769 has 74 MA's), (222, 925), (275, 1033), (309, 1117), (335, 1162), (394, 1267), (410, 1330), (417, 1351), (447, 1408), (613, 1744), (697, 1876), (767, 1978), (925, 2227), (952, 2275), (1010, 2344),

Gene: Patt_9 Start: 2502, Stop: 3842, Start Num: 223
Candidate Starts for Patt_9:
(Start: 164 @2397 has 155 MA's), (Start: 223 @2502 has 16 MA's), (255, 2586), (259, 2595), (267, 2631), (271, 2643), (288, 2685), (304, 2736), (313, 2754), (341, 2784), (391, 2889), (404, 2931), (407, 2940), (408, 2943), (444, 3021), (450, 3030), (537, 3135), (558, 3177), (561, 3183), (581, 3225), (660, 3342), (678, 3384), (697, 3429), (743, 3498), (771, 3543), (797, 3564), (814, 3588), (888, 3672), (952, 3765), (1012, 3831), (1015, 3837),

Gene: Peanam_8 Start: 1660, Stop: 3090, Start Num: 164
Candidate Starts for Peanam_8:
(Start: 121 @1618 has 4 MA's), (Start: 156 @1648 has 11 MA's), (Start: 164 @1660 has 155 MA's), (Start: 210 @1750 has 1 MA's), (Start: 223 @1774 has 16 MA's), (224, 1780), (239, 1819), (255, 1858), (259, 1867), (261, 1873), (271, 1915), (277, 1933), (288, 1951), (304, 2002), (341, 2050), (404, 2197), (407, 2206), (494, 2335), (537, 2401), (558, 2443), (561, 2449), (566, 2461), (581, 2491), (594, 2515), (606, 2542), (660, 2611), (680, 2653), (697, 2683), (711, 2707), (745, 2755), (797, 2818), (814, 2842), (842, 2893), (891, 2932), (952, 3022), (988, 3061), (1012, 3079), (1015, 3085),

Gene: Peeb_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Peeb_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (495, 1118), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (670, 1409), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Peel_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Peel_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: PegLeg_14 Start: 4718, Stop: 6262, Start Num: 112
Candidate Starts for PegLeg_14:
(Start: 112 @4718 has 27 MA's), (143, 4766), (258, 4967), (304, 5105), (403, 5297), (517, 5507), (546, 5558), (582, 5630), (658, 5693), (667, 5717), (675, 5732), (705, 5792), (711, 5804), (743, 5864), (766, 5897), (797, 5930), (814, 5957), (841, 6005), (977, 6191), (995, 6212),

Gene: Pelletreau_4 Start: 958, Stop: 2538, Start Num: 135
Candidate Starts for Pelletreau_4:
(Start: 81 @892 has 7 MA's), (Start: 135 @958 has 10 MA's), (Start: 198 @1054 has 7 MA's), (202, 1063), (Start: 207 @1072 has 1 MA's), (217, 1093), (226, 1117), (257, 1144), (261, 1156), (270, 1195), (275, 1210), (283, 1234), (295, 1255), (396, 1456), (410, 1507), (416, 1525), (436, 1567), (449, 1588), (474, 1648), (488, 1678), (491, 1687), (523, 1750), (657, 1978), (676, 2017), (688, 2044), (697, 2059), (711, 2089), (747, 2128), (793, 2206), (810, 2236), (825, 2263), (950, 2446), (952, 2452), (964, 2473), (1012, 2527),

Gene: Penoan_4 Start: 1350, Stop: 2837, Start Num: 104
Candidate Starts for Penoan_4:
(4, 1002), (20, 1176), (36, 1251), (Start: 40 @1260 has 46 MA's), (Start: 93 @1335 has 51 MA's), (Start: 104 @1350 has 38 MA's), (Start: 207 @1503 has 1 MA's), (214, 1518), (217, 1524), (267, 1623), (270, 1632), (305, 1725), (324, 1767), (394, 1881), (395, 1884), (408, 1929), (516, 2109), (561, 2181), (583, 2229), (601, 2262), (652, 2325), (654, 2328), (699, 2427), (718, 2460), (729, 2472), (744, 2493), (813, 2568), (858, 2640), (933, 2727), (963, 2781),

Gene: PensacolaC28_1 Start: 37, Stop: 1611, Start Num: 130
Candidate Starts for PensacolaC28_1:
(101, 4), (Start: 130 @37 has 2 MA's), (Start: 167 @91 has 2 MA's), (Start: 198 @142 has 7 MA's), (204, 151), (224, 193), (231, 211), (243, 220), (260, 253), (261, 256), (309, 400), (330, 439), (334, 445), (367, 493), (393, 550), (403, 586), (459, 706), (556, 877), (660, 1042), (696, 1117), (736, 1168), (857, 1348), (905, 1408), (1016, 1576),

Gene: Periodt_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Periodt_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Periwinkle_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for Periwinkle_3:
(132, 664), (Start: 154 @673 has 76 MA's), (Start: 210 @775 has 1 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (225, 808), (240, 847), (241, 853), (253, 886), (267, 934), (268, 937), (271, 946), (287, 979), (288, 982), (302, 1024), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (408, 1249), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (441, 1324), (445, 1330), (495, 1399), (497, 1411), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (640, 1657), (658, 1681), (698, 1759), (714, 1786), (722, 1795), (823, 1933), (829, 1945), (842, 1963), (925, 2041), (930, 2047), (952, 2089), (960, 2101), (969, 2113), (1025, 2182),

Gene: Petra_2 Start: 334, Stop: 1959, Start Num: 93
Candidate Starts for Petra_2:
(Start: 93 @334 has 51 MA's), (109, 355), (Start: 113 @361 has 34 MA's), (Start: 196 @475 has 2 MA's), (201, 484), (221, 517), (227, 535), (234, 550), (247, 571), (258, 592), (275, 655), (288, 691), (301, 727), (304, 739), (325, 781), (327, 784), (410, 961), (431, 1003), (441, 1018), (451, 1033), (454, 1036), (520, 1111), (542, 1162), (628, 1318), (646, 1339), (648, 1342), (689, 1429), (696, 1441), (714, 1474), (717, 1477), (741, 1516), (743, 1522), (745, 1525), (799, 1594), (801, 1597), (835, 1657), (836, 1660), (841, 1669), (892, 1738), (1023, 1942),

Gene: Phabuloso_3 Start: 671, Stop: 2188, Start Num: 154
Candidate Starts for Phabuloso_3:
(132, 662), (Start: 154 @671 has 76 MA's), (218, 788), (Start: 223 @797 has 16 MA's), (225, 806), (241, 851), (246, 869), (253, 884), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (313, 1049), (333, 1070), (342, 1088), (344, 1091), (345, 1094), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (409, 1256), (412, 1262), (420, 1277), (428, 1289), (445, 1328), (497, 1409), (520, 1451), (563, 1532), (566, 1541), (579, 1568), (617, 1634), (640, 1655), (698, 1757), (714, 1784), (823, 1931), (829, 1943), (842, 1961), (925, 2039), (927, 2042), (930, 2045), (952, 2087), (960, 2099), (969, 2111),

Gene: Phalm_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for Phalm_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (658, 1522), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: PhancyPhin_2 Start: 509, Stop: 2044, Start Num: 152
Candidate Starts for PhancyPhin_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Pharb_7 Start: 1288, Stop: 2712, Start Num: 164
Candidate Starts for Pharb_7:
(105, 1225), (115, 1237), (Start: 156 @1276 has 11 MA's), (Start: 164 @1288 has 155 MA's), (Start: 189 @1333 has 6 MA's), (Start: 210 @1375 has 1 MA's), (Start: 223 @1399 has 16 MA's), (255, 1483), (259, 1492), (270, 1537), (271, 1540), (277, 1558), (304, 1627), (336, 1669), (341, 1675), (358, 1702), (391, 1780), (404, 1822), (407, 1831), (444, 1912), (457, 1930), (537, 2026), (561, 2074), (566, 2086), (581, 2116), (594, 2140), (601, 2152), (606, 2167), (660, 2236), (680, 2278), (684, 2290), (743, 2377), (745, 2380), (771, 2422), (782, 2437), (797, 2443), (812, 2464), (814, 2467), (952, 2644),

Gene: Phayonce_2 Start: 401, Stop: 2080, Start Num: 40
Candidate Starts for Phayonce_2:
(9, 191), (12, 239), (Start: 40 @401 has 46 MA's), (159, 563), (186, 608), (192, 617), (213, 656), (244, 713), (247, 719), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (305, 881), (309, 887), (314, 899), (365, 989), (440, 1178), (459, 1208), (535, 1304), (616, 1466), (629, 1478), (658, 1523), (670, 1553), (714, 1634), (745, 1685), (799, 1754), (811, 1772), (862, 1856), (864, 1859), (871, 1871), (1012, 2063),

Gene: Phegasus_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Phegasus_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (702, 1622), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: PhelpsODU_7 Start: 1549, Stop: 2976, Start Num: 164
Candidate Starts for PhelpsODU_7:
(Start: 164 @1549 has 155 MA's), (Start: 210 @1639 has 1 MA's), (Start: 223 @1663 has 16 MA's), (224, 1669), (255, 1747), (259, 1756), (271, 1804), (277, 1822), (304, 1891), (335, 1930), (341, 1939), (358, 1966), (391, 2044), (404, 2086), (407, 2095), (444, 2176), (494, 2224), (537, 2290), (558, 2332), (561, 2338), (566, 2350), (570, 2356), (581, 2380), (597, 2410), (606, 2431), (660, 2500), (680, 2542), (741, 2635), (767, 2677), (797, 2707), (814, 2731), (842, 2779), (952, 2908), (1012, 2965), (1015, 2971),

Gene: PhigPhack_3 Start: 689, Stop: 2317, Start Num: 127
Candidate Starts for PhigPhack_3:
(Start: 127 @689 has 74 MA's), (222, 845), (275, 953), (309, 1037), (318, 1061), (334, 1079), (375, 1136), (394, 1187), (395, 1190), (410, 1250), (416, 1268), (430, 1298), (447, 1328), (688, 1784), (697, 1799), (925, 2150), (952, 2198), (1026, 2306),

Gene: Philonius_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Philonius_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Phineas_2 Start: 401, Stop: 2077, Start Num: 40
Candidate Starts for Phineas_2:
(Start: 40 @401 has 46 MA's), (192, 617), (213, 656), (244, 713), (247, 719), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (309, 887), (314, 899), (365, 989), (440, 1178), (520, 1274), (535, 1304), (542, 1325), (629, 1478), (741, 1676), (745, 1685), (762, 1712), (799, 1754), (811, 1772), (862, 1856), (871, 1871), (1012, 2060),

Gene: Phisb_3 Start: 677, Stop: 2305, Start Num: 127
Candidate Starts for Phisb_3:
(Start: 127 @677 has 74 MA's), (222, 833), (275, 941), (309, 1025), (318, 1049), (334, 1067), (375, 1124), (394, 1175), (395, 1178), (410, 1238), (416, 1256), (430, 1286), (447, 1316), (688, 1772), (697, 1787), (835, 2015), (925, 2138), (952, 2186), (1026, 2294),

Gene: Phish_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Phish_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Phistory_3 Start: 672, Stop: 2189, Start Num: 154
Candidate Starts for Phistory_3:
(132, 663), (Start: 154 @672 has 76 MA's), (218, 789), (Start: 223 @798 has 16 MA's), (241, 852), (253, 885), (268, 936), (271, 945), (288, 981), (302, 1023), (310, 1044), (316, 1056), (333, 1071), (342, 1089), (344, 1092), (345, 1095), (358, 1116), (374, 1143), (394, 1200), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (439, 1317), (445, 1329), (497, 1410), (537, 1482), (546, 1506), (563, 1533), (566, 1542), (579, 1569), (597, 1602), (640, 1656), (692, 1746), (698, 1758), (714, 1785), (823, 1932), (829, 1944), (842, 1962), (925, 2040), (930, 2046), (952, 2088), (960, 2100), (969, 2112),

Gene: Phloss_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Phloss_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: PhluffyCoco_2 Start: 370, Stop: 1992, Start Num: 96
Candidate Starts for PhluffyCoco_2:
(Start: 81 @349 has 7 MA's), (Start: 96 @370 has 8 MA's), (257, 601), (258, 604), (261, 613), (269, 649), (275, 667), (305, 745), (375, 850), (410, 964), (419, 988), (436, 1024), (449, 1045), (459, 1060),

(481, 1120), (523, 1204), (651, 1420), (657, 1432), (670, 1459), (688, 1498), (691, 1504), (711, 1543), (737, 1570), (747, 1582), (767, 1615), (776, 1627), (793, 1660), (903, 1831), (950, 1900), (952, 1906), (964, 1927), (982, 1948), (1010, 1978), (1012, 1981), (1014, 1984),

Gene: PhorbesPhlower_2 Start: 375, Stop: 1757, Start Num: 189
Candidate Starts for PhorbesPhlower_2:
(Start: 130 @312 has 2 MA's), (Start: 189 @375 has 6 MA's), (240, 486), (288, 615), (309, 675), (341, 714), (386, 804), (400, 846), (407, 870), (414, 894), (420, 903), (426, 912), (428, 915), (518, 1041), (581, 1158), (640, 1239), (658, 1266), (660, 1272), (697, 1341), (727, 1383), (743, 1410), (751, 1425), (772, 1455), (782, 1470), (797, 1476), (814, 1500), (877, 1575), (891, 1590), (950, 1674), (952, 1680), (957, 1686), (960, 1692), (961, 1695),

Gene: Phrank_7 Start: 1515, Stop: 2942, Start Num: 164
Candidate Starts for Phrank_7:
(Start: 164 @1515 has 155 MA's), (Start: 210 @1605 has 1 MA's), (Start: 223 @1629 has 16 MA's), (224, 1635), (255, 1713), (259, 1722), (271, 1770), (277, 1788), (304, 1857), (335, 1896), (341, 1905), (358, 1932), (391, 2010), (404, 2052), (407, 2061), (444, 2142), (494, 2190), (537, 2256), (558, 2298), (561, 2304), (566, 2316), (570, 2322), (581, 2346), (594, 2370), (597, 2376), (606, 2397), (660, 2466), (680, 2508), (741, 2601), (743, 2607), (745, 2610), (767, 2643), (797, 2673), (814, 2697), (842, 2745), (952, 2874), (1012, 2931), (1015, 2937),

Gene: Phrann_2 Start: 509, Stop: 2044, Start Num: 152
Candidate Starts for Phrann_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (224, 635), (225, 638), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Phreak_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Phreak_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: PhriskyACE_2 Start: 318, Stop: 1877, Start Num: 93
Candidate Starts for PhriskyACE_2:
(51, 258), (Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (317, 744), (372, 816), (374, 819), (386, 855), (404, 912), (407, 921), (410, 936), (459, 1020), (493, 1071), (542, 1137), (566, 1179), (628, 1293), (660, 1344), (668, 1365), (692, 1410), (713, 1446), (714, 1449), (742, 1491), (745, 1497), (767, 1530), (831, 1620), (836, 1632), (864, 1671), (1008, 1860),

Gene: PhrostedPhlake_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for PhrostedPhlake_2:
(Start: 39 @255 has 19 MA's), (Start: 93 @333 has 51 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890),

(1004, 1902), (1012, 1911),

Gene: Piatt_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Piatt_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Pickett_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Pickett_2:
(Start: 93 @318 has 51 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Picnic_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Picnic_3:
(Start: 106 @1074 has 126 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Pigu_3 Start: 644, Stop: 1759, Start Num: 295
Candidate Starts for Pigu_3:
(Start: 59 @179 has 1 MA's), (71, 197), (126, 275), (Start: 156 @317 has 11 MA's), (Start: 210 @419 has 1 MA's), (238, 482), (257, 533), (258, 536), (290, 626), (295, 644), (341, 722), (358, 749), (394, 833), (407, 878), (461, 986), (556, 1112), (561, 1121), (597, 1193), (658, 1268), (660, 1274), (692, 1337), (713, 1373), (797, 1484), (814, 1508), (858, 1565), (957, 1685), (1012, 1748),

Gene: Piku_1 Start: 175, Stop: 1761, Start Num: 164
Candidate Starts for Piku_1:
(Start: 39 @22 has 19 MA's), (Start: 86 @76 has 18 MA's), (Start: 164 @175 has 155 MA's), (Start: 198 @229 has 7 MA's), (204, 244), (220, 274), (222, 277), (231, 304), (270, 391), (303, 475), (304, 481), (309, 490), (334, 535), (414, 712), (443, 775), (505, 856), (544, 928), (556, 946), (580, 997), (696, 1183), (697, 1186), (769, 1300), (775, 1306), (809, 1348), (813, 1354), (832, 1384), (886, 1456), (930, 1510), (952, 1552), (1028, 1711),

Gene: Pimento_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for Pimento_6:
(123, 1810), (126, 1813), (Start: 127 @1816 has 74 MA's), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (489, 2536), (514, 2599), (606, 2788), (618, 2800), (654, 2848), (672, 2890), (699, 2941), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: PinkFriday_2 Start: 599, Stop: 1993, Start Num: 196
Candidate Starts for PinkFriday_2:
(Start: 75 @428 has 75 MA's), (Start: 196 @599 has 2 MA's), (257, 692), (260, 701), (267, 734), (272, 749), (275, 758), (283, 782), (305, 836), (364, 947), (375, 965), (395, 1019), (410, 1079), (436, 1139), (456, 1169), (519, 1268), (545, 1316), (615, 1442), (623, 1451), (657, 1487), (660, 1493), (677, 1529),

(696, 1565), (747, 1637), (749, 1643), (925, 1859), (973, 1940), (1010, 1979),

Gene: PinkYoshi_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for PinkYoshi_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Pinnie_3 Start: 905, Stop: 2404, Start Num: 156
Candidate Starts for Pinnie_3:
(77, 803), (Start: 87 @818 has 20 MA's), (Start: 156 @905 has 11 MA's), (Start: 173 @929 has 42 MA's), (201, 986), (288, 1205), (309, 1265), (394, 1430), (404, 1466), (409, 1487), (422, 1511), (426, 1517), (450, 1565), (561, 1718), (601, 1793), (660, 1892), (670, 1916), (745, 2042), (773, 2087), (825, 2150), (877, 2201), (888, 2216), (952, 2309), (969, 2333), (983, 2351), (1014, 2396),

Gene: Piper2020_3 Start: 674, Stop: 2161, Start Num: 154
Candidate Starts for Piper2020_3:
(Start: 131 @662 has 3 MA's), (Start: 154 @674 has 76 MA's), (Start: 223 @800 has 16 MA's), (224, 806), (240, 848), (241, 854), (253, 887), (257, 893), (259, 899), (268, 938), (276, 962), (287, 980), (288, 983), (302, 1025), (333, 1073), (337, 1082), (342, 1091), (344, 1094), (374, 1145), (400, 1223), (407, 1247), (409, 1259), (420, 1280), (428, 1292), (441, 1325), (445, 1331), (495, 1400), (496, 1406), (513, 1439), (532, 1475), (563, 1535), (566, 1544), (579, 1571), (629, 1649), (684, 1745), (714, 1790), (766, 1862), (800, 1901), (823, 1937), (826, 1943), (842, 1967), (882, 1997), (888, 2003), (925, 2045), (927, 2048), (930, 2051), (952, 2093), (960, 2105), (969, 2117),

Gene: Pipp_2 Start: 359, Stop: 1927, Start Num: 113
Candidate Starts for Pipp_2:
(Start: 39 @254 has 19 MA's), (45, 263), (Start: 113 @359 has 34 MA's), (Start: 196 @476 has 2 MA's), (221, 518), (227, 536), (234, 551), (247, 572), (258, 593), (265, 626), (267, 632), (288, 692), (301, 728), (304, 740), (327, 785), (335, 794), (360, 821), (393, 899), (431, 1004), (441, 1019), (451, 1034), (520, 1112), (542, 1163), (628, 1319), (655, 1358), (658, 1364), (689, 1430), (696, 1442), (723, 1487), (724, 1490), (728, 1496), (741, 1517), (745, 1526), (747, 1529), (767, 1559), (801, 1598), (835, 1658), (862, 1700), (892, 1742), (902, 1757), (918, 1778), (931, 1793), (997, 1889), (1004, 1901), (1012, 1910),

Gene: Pipsqueaks_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Pipsqueaks_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Pirate_2 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for Pirate_2:
(Start: 153 @373 has 47 MA's), (171, 397), (186, 430), (206, 457), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (426, 1000), (434, 1021), (444, 1036), (446, 1039), (448, 1042), (464, 1063), (540, 1174), (566, 1222), (605, 1288), (635, 1321), (654, 1351), (673, 1393), (717, 1471),

(723, 1480), (734, 1492), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (818, 1597), (827, 1615), (830, 1621), (863, 1666), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (951, 1792), (956, 1801), (959, 1807), (969, 1816), (1010, 1870), (1014, 1876),

Gene: PitaDog_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for PitaDog_2:
(Start: 75 @426 has 75 MA's), (168, 549), (204, 615), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (267, 732), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: Pitbull_2 Start: 374, Stop: 1795, Start Num: 189
Candidate Starts for Pitbull_2:
(117, 278), (123, 287), (Start: 156 @317 has 11 MA's), (Start: 189 @374 has 6 MA's), (Start: 191 @377 has 1 MA's), (201, 395), (Start: 223 @437 has 16 MA's), (258, 533), (259, 536), (269, 578), (274, 593), (276, 599), (290, 623), (300, 656), (304, 671), (309, 680), (374, 773), (407, 875), (408, 878), (422, 920), (428, 929), (496, 1022), (556, 1118), (561, 1127), (566, 1139), (618, 1232), (639, 1250), (670, 1310), (690, 1349), (693, 1355), (745, 1436), (753, 1448), (801, 1505), (804, 1508), (824, 1538), (839, 1571), (857, 1586), (859, 1589), (881, 1610), (893, 1622), (899, 1628), (975, 1745), (986, 1757), (1003, 1784), (1005, 1787),

Gene: Pixie_7 Start: 1239, Stop: 2663, Start Num: 164
Candidate Starts for Pixie_7:
(Start: 156 @1227 has 11 MA's), (Start: 164 @1239 has 155 MA's), (Start: 210 @1326 has 1 MA's), (Start: 223 @1350 has 16 MA's), (255, 1434), (259, 1443), (277, 1509), (288, 1527), (304, 1578), (336, 1620), (341, 1626), (358, 1653), (391, 1731), (404, 1773), (407, 1782), (444, 1863), (457, 1881), (537, 1977), (561, 2025), (566, 2037), (581, 2067), (594, 2091), (601, 2103), (660, 2187), (680, 2229), (684, 2241), (743, 2328), (745, 2331), (771, 2373), (782, 2388), (797, 2394), (812, 2415), (814, 2418), (952, 2595), (1015, 2658),

Gene: Plagueis_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for Plagueis_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Plumbus_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Plumbus_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (251, 881), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (288, 980), (290, 983), (302, 1022), (310, 1043), (333, 1070), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102),

Gene: PoRanda_3 Start: 1104, Stop: 2564, Start Num: 106
Candidate Starts for PoRanda_3:
(Start: 106 @1104 has 126 MA's), (Start: 111 @1110 has 9 MA's), (217, 1272), (222, 1281), (258, 1341), (278, 1410), (290, 1431), (301, 1467), (305, 1482), (409, 1686), (501, 1821), (540, 1899), (546,

1914), (557, 1932), (567, 1950), (588, 1992), (605, 2025), (621, 2043), (692, 2163), (694, 2166), (699, 2178), (705, 2190), (749, 2253), (785, 2310), (788, 2316), (791, 2325), (799, 2334), (801, 2337), (919, 2499), (928, 2508), (934, 2517), (955, 2556),

Gene: Pokerus_7 Start: 1547, Stop: 2968, Start Num: 164
Candidate Starts for Pokerus_7:
(98, 1475), (Start: 156 @1535 has 11 MA's), (Start: 164 @1547 has 155 MA's), (Start: 223 @1658 has 16 MA's), (224, 1664), (255, 1742), (259, 1751), (271, 1799), (277, 1817), (304, 1886), (336, 1928), (341, 1934), (358, 1961), (360, 1964), (404, 2081), (407, 2090), (444, 2171), (537, 2285), (561, 2333), (566, 2345), (581, 2375), (594, 2399), (601, 2411), (658, 2489), (660, 2495), (745, 2639), (767, 2672), (814, 2726), (952, 2903), (1012, 2957),

Gene: Polka_3 Start: 684, Stop: 2330, Start Num: 81
Candidate Starts for Polka_3:
(Start: 81 @684 has 7 MA's), (Start: 198 @849 has 7 MA's), (217, 888), (257, 939), (261, 951), (269, 987), (275, 1005), (375, 1188), (410, 1302), (415, 1314), (436, 1362), (449, 1383), (459, 1398), (481, 1455), (657, 1770), (688, 1836), (711, 1881), (747, 1920), (754, 1932), (793, 1998), (810, 2028), (833, 2073), (864, 2115), (884, 2142), (885, 2145), (950, 2238), (952, 2244), (964, 2265), (973, 2277), (1010, 2316), (1012, 2319),

Gene: Polkaroo_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Polkaroo_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (616, 1478), (629, 1490), (658, 1535), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Pollywog_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Pollywog_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Pondwater_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Pondwater_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Poochiewood_4 Start: 1058, Stop: 2635, Start Num: 88
Candidate Starts for Poochiewood_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: Popper_4 Start: 1461, Stop: 3161, Start Num: 112
Candidate Starts for Popper_4:
(Start: 96 @1440 has 8 MA's), (Start: 112 @1461 has 27 MA's), (Start: 198 @1605 has 7 MA's), (204, 1620), (222, 1653), (258, 1698), (259, 1701), (269, 1743), (275, 1761), (276, 1764), (283, 1785), (335, 1890), (375, 1944), (410, 2058), (449, 2139), (478, 2214), (540, 2370), (572, 2436), (579, 2451), (660, 2598), (668, 2622), (674, 2631), (685, 2661), (697, 2679), (720, 2721), (776, 2793), (807, 2835), (903, 2952), (905, 2955), (910, 2961), (945, 3012), (950, 3024), (979, 3069), (1004, 3102), (1022, 3141), (1026, 3150),

Gene: Porcelain_10 Start: 3527, Stop: 5059, Start Num: 152
Candidate Starts for Porcelain_10:
(91, 3443), (Start: 122 @3485 has 2 MA's), (128, 3494), (Start: 152 @3527 has 34 MA's), (224, 3641), (246, 3704), (260, 3737), (261, 3740), (272, 3785), (302, 3860), (304, 3869), (371, 3971), (373, 3974), (386, 4010), (398, 4043), (534, 4292), (566, 4355), (578, 4382), (674, 4541), (692, 4577), (709, 4607), (714, 4616), (752, 4670), (769, 4694), (952, 4928), (959, 4940),

Gene: Potatoes_5 Start: 3127, Stop: 4692, Start Num: 75
Candidate Starts for Potatoes_5:
(Start: 75 @3127 has 75 MA's), (Start: 216 @3337 has 4 MA's), (257, 3391), (275, 3457), (283, 3481), (387, 3697), (393, 3712), (395, 3718), (410, 3778), (436, 3838), (499, 3937), (519, 3967), (526, 3982), (572, 4063), (615, 4141), (623, 4150), (657, 4186), (676, 4225), (691, 4258), (697, 4267), (709, 4294), (754, 4348), (780, 4390), (820, 4435), (831, 4456), (925, 4558), (1010, 4678),

Gene: Powerball_2 Start: 318, Stop: 1877, Start Num: 93
Candidate Starts for Powerball_2:
(51, 258), (Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (317, 744), (372, 816), (374, 819), (386, 855), (404, 912), (407, 921), (410, 936), (451, 1008), (459, 1020), (493, 1071), (542, 1137), (566, 1179), (628, 1293), (660, 1344), (668, 1365), (692, 1410), (713, 1446), (714, 1449), (742, 1491), (745, 1497), (831, 1620), (836, 1632), (864, 1671), (1008, 1860),

Gene: PrairieDogTown_4 Start: 1243, Stop: 2838, Start Num: 110
Candidate Starts for PrairieDogTown_4:
(Start: 110 @1243 has 8 MA's), (267, 1501), (275, 1525), (277, 1531), (410, 1822), (423, 1852), (449, 1903), (456, 1912), (515, 2014), (520, 2026), (581, 2149), (668, 2278), (793, 2506), (818, 2548), (1012, 2827),

Gene: Preamble_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Preamble_2:
(Start: 75 @426 has 75 MA's), (168, 549), (257, 690), (259, 696), (270, 741), (275, 756), (277, 762), (283, 780), (393, 1011), (395, 1017), (410, 1077), (499, 1236), (519, 1266), (526, 1281), (581, 1380), (615, 1440), (623, 1449), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (831, 1755), (925, 1857), (1010, 1977),

Gene: PrincePatrick_2 Start: 379, Stop: 1929, Start Num: 127
Candidate Starts for PrincePatrick_2:
(Start: 93 @334 has 51 MA's), (Start: 104 @349 has 38 MA's), (109, 355), (Start: 113 @361 has 34 MA's), (Start: 116 @364 has 12 MA's), (Start: 127 @379 has 74 MA's), (176, 442), (Start: 196 @478 has 2 MA's), (211, 505), (221, 520), (234, 553), (247, 574), (258, 595), (267, 634), (275, 658), (288, 694), (304, 742), (325, 784), (335, 796), (393, 901), (441, 1021), (451, 1036), (520, 1114), (537, 1147), (542, 1165), (628, 1321), (646, 1342), (655, 1360), (689, 1432), (717, 1480), (728, 1498), (741, 1519), (745, 1528), (747, 1531), (767, 1561), (811, 1615), (862, 1702), (892, 1744), (931, 1795), (1012, 1912), (1015, 1918),

Gene: Prithvi_8 Start: 1562, Stop: 2983, Start Num: 164
Candidate Starts for Prithvi_8:
(98, 1490), (Start: 156 @1550 has 11 MA's), (Start: 164 @1562 has 155 MA's), (Start: 223 @1673 has 16 MA's), (224, 1679), (255, 1757), (259, 1766), (271, 1814), (277, 1832), (304, 1901), (336, 1943), (341, 1949), (358, 1976), (360, 1979), (404, 2096), (407, 2105), (444, 2186), (537, 2300), (561, 2348), (566, 2360), (581, 2390), (594, 2414), (601, 2426), (658, 2504), (660, 2510), (745, 2654), (767, 2687), (814, 2741), (952, 2918), (1012, 2972),

Gene: Procrass1_2 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for Procrass1_2:
(Start: 151 @370 has 1 MA's), (Start: 153 @373 has 47 MA's), (Start: 162 @385 has 5 MA's), (171, 397), (177, 412), (214, 475), (225, 502), (226, 505), (254, 553), (259, 562), (261, 568), (267, 598), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (426, 1000), (434, 1021), (444, 1036), (446, 1039), (448, 1042), (455, 1048), (464, 1063), (504, 1129), (521, 1150), (540, 1174), (556, 1201), (566, 1222), (605, 1288), (635, 1321), (654, 1351), (673, 1393), (717, 1471), (723, 1480), (734, 1492), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (819, 1600), (827, 1615), (830, 1621), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (951, 1792), (959, 1807), (986, 1837), (1010, 1870), (1014, 1876),

Gene: Prospero_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Prospero_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Psycho_6 Start: 1349, Stop: 2776, Start Num: 172
Candidate Starts for Psycho_6:
(Start: 172 @1349 has 22 MA's), (201, 1406), (Start: 210 @1427 has 1 MA's), (Start: 223 @1451 has 16 MA's), (255, 1535), (259, 1544), (261, 1550), (270, 1589), (271, 1592), (277, 1610), (288, 1628), (304, 1679), (335, 1718), (358, 1754), (374, 1781), (391, 1832), (404, 1874), (407, 1883), (408, 1886), (444, 1964), (537, 2078), (561, 2126), (566, 2138), (581, 2168), (601, 2204), (617, 2231), (660, 2288), (697, 2372), (711, 2396), (766, 2474), (814, 2531), (827, 2555), (842, 2579), (952, 2708), (1012, 2765),

Gene: Pterodactyl_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Pterodactyl_2:
(Start: 75 @426 has 75 MA's), (168, 549), (200, 603), (257, 690), (267, 732), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779), (925, 1857),

Gene: Publix_3 Start: 1095, Stop: 2555, Start Num: 106
Candidate Starts for Publix_3:
(Start: 106 @1095 has 126 MA's), (Start: 111 @1101 has 9 MA's), (217, 1263), (222, 1272), (258, 1332), (278, 1401), (290, 1422), (305, 1473), (409, 1677), (501, 1812), (546, 1905), (557, 1923), (567, 1941), (588, 1983), (605, 2016), (621, 2034), (692, 2154), (694, 2157), (699, 2169), (705, 2181), (711, 2193), (749, 2244), (785, 2301), (788, 2307), (791, 2316), (799, 2325), (801, 2328), (919, 2490), (928, 2499), (934, 2508), (955, 2547),

Gene: Puddles3_3 Start: 1074, Stop: 2534, Start Num: 106

Candidate Starts for Puddles3_3:
(Start: 106 @1074 has 126 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: PuffyCat_3 Start: 1104, Stop: 2564, Start Num: 106
Candidate Starts for PuffyCat_3:
(Start: 106 @1104 has 126 MA's), (Start: 111 @1110 has 9 MA's), (217, 1272), (222, 1281), (258, 1341), (278, 1410), (290, 1431), (305, 1482), (409, 1686), (501, 1821), (540, 1899), (546, 1914), (557, 1932), (567, 1950), (588, 1992), (605, 2025), (621, 2043), (692, 2163), (694, 2166), (699, 2178), (705, 2190), (711, 2202), (749, 2253), (785, 2310), (788, 2316), (791, 2325), (799, 2334), (801, 2337), (919, 2499), (928, 2508), (934, 2517), (955, 2556),

Gene: Pumancara_2 Start: 428, Stop: 1993, Start Num: 75
Candidate Starts for Pumancara_2:
(Start: 75 @428 has 75 MA's), (Start: 196 @599 has 2 MA's), (257, 692), (260, 701), (267, 734), (275, 758), (283, 782), (305, 836), (364, 947), (375, 965), (393, 1013), (395, 1019), (410, 1079), (436, 1139), (456, 1169), (519, 1268), (615, 1442), (623, 1451), (657, 1487), (660, 1493), (677, 1529), (696, 1565), (742, 1634), (747, 1637), (749, 1643), (845, 1784), (925, 1859), (973, 1940), (1010, 1979),

Gene: Puppers_2 Start: 482, Stop: 2065, Start Num: 111
Candidate Starts for Puppers_2:
(2, 53), (3, 59), (7, 158), (Start: 111 @482 has 9 MA's), (222, 656), (257, 698), (267, 740), (299, 824), (322, 884), (373, 947), (377, 953), (393, 998), (416, 1082), (435, 1121), (502, 1190), (535, 1253), (563, 1307), (589, 1355), (618, 1406), (649, 1442), (670, 1487), (676, 1499), (691, 1535), (697, 1544), (705, 1562), (769, 1673), (807, 1745), (809, 1748), (820, 1766), (837, 1802), (903, 1901), (1014, 2057),

Gene: Purgamenstris_2 Start: 512, Stop: 2044, Start Num: 155
Candidate Starts for Purgamenstris_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Purky_2 Start: 401, Stop: 2077, Start Num: 40
Candidate Starts for Purky_2:
(13, 248), (14, 275), (Start: 40 @401 has 46 MA's), (119, 512), (159, 563), (192, 617), (213, 656), (244, 713), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (309, 887), (314, 899), (365, 989), (520, 1274), (542, 1325), (616, 1466), (629, 1478), (648, 1502), (696, 1601), (714, 1634), (741, 1676), (745, 1685), (762, 1712), (769, 1724), (799, 1754), (811, 1772), (862, 1856), (871, 1871), (1012, 2060),

Gene: Pygmy_2 Start: 401, Stop: 2077, Start Num: 40
Candidate Starts for Pygmy_2:
(Start: 40 @401 has 46 MA's), (192, 617), (213, 656), (244, 713), (247, 719), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (309, 887), (314, 899), (365, 989), (440, 1178), (520, 1274), (542, 1325), (629, 1478), (741, 1676), (745, 1685), (762, 1712), (799, 1754), (811, 1772), (862, 1856), (871, 1871), (1012, 2060),

Gene: QMacho_4 Start: 1159, Stop: 2787, Start Num: 127
Candidate Starts for QMacho_4:

(Start: 127 @1159 has 74 MA's), (222, 1315), (275, 1423), (303, 1492), (309, 1507), (394, 1657), (395, 1660), (410, 1720), (430, 1768), (447, 1798), (688, 2254), (697, 2269), (925, 2620), (952, 2668), (1026, 2776),

Gene: Quaker_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Quaker_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (417, 1677), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (955, 2523),

Gene: Quby_4 Start: 771, Stop: 2333, Start Num: 84
Candidate Starts for Quby_4:
(Start: 84 @771 has 63 MA's), (Start: 88 @777 has 18 MA's), (190, 927), (225, 993), (242, 1023), (257, 1047), (262, 1062), (272, 1104), (324, 1230), (394, 1368), (400, 1389), (407, 1413), (442, 1488), (481, 1536), (517, 1614), (529, 1635), (542, 1659), (546, 1665), (564, 1695), (566, 1701), (582, 1737), (642, 1794), (660, 1827), (711, 1932), (717, 1941), (735, 1965), (747, 1986), (799, 2052), (865, 2154), (972, 2274), (977, 2280), (995, 2301), (1012, 2325),

Gene: QueenBey_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for QueenBey_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (267, 603), (270, 612), (272, 618), (275, 627), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (388, 897), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (409, 966), (426, 1005), (434, 1026), (446, 1044), (448, 1047), (464, 1068), (504, 1134), (540, 1179), (556, 1206), (566, 1227), (603, 1287), (605, 1293), (641, 1335), (652, 1353), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (844, 1647), (849, 1656), (863, 1671), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (951, 1797), (956, 1806), (959, 1812), (977, 1833), (1010, 1875), (1014, 1881),

Gene: Quenya_4 Start: 931, Stop: 2496, Start Num: 127
Candidate Starts for Quenya_4:
(Start: 127 @931 has 74 MA's), (Start: 196 @1039 has 2 MA's), (222, 1087), (257, 1129), (275, 1195), (277, 1201), (280, 1210), (309, 1279), (319, 1306), (338, 1330), (375, 1378), (394, 1429), (410, 1492), (436, 1552), (447, 1570), (579, 1843), (668, 1981), (749, 2113), (773, 2149), (982, 2443), (1018, 2488),

Gene: Quico_3 Start: 672, Stop: 2159, Start Num: 154
Candidate Starts for Quico_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (218, 789), (Start: 223 @798 has 16 MA's), (225, 807), (251, 882), (253, 885), (257, 891), (268, 936), (269, 939), (276, 960), (287, 978), (333, 1071), (342, 1089), (344, 1092), (358, 1116), (394, 1200), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (439, 1317), (445, 1329), (496, 1404), (511, 1434), (513, 1437), (537, 1482), (563, 1533), (566, 1542), (579, 1569), (597, 1602), (629, 1647), (658, 1680), (815, 1920), (823, 1935), (826, 1941), (842, 1965), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: QuincyRose_7 Start: 1613, Stop: 3034, Start Num: 164
Candidate Starts for QuincyRose_7:
(98, 1541), (Start: 156 @1601 has 11 MA's), (Start: 164 @1613 has 155 MA's), (Start: 223 @1724 has 16 MA's), (224, 1730), (255, 1808), (259, 1817), (271, 1865), (277, 1883), (304, 1952), (336, 1994), (341, 2000), (358, 2027), (360, 2030), (404, 2147), (407, 2156), (444, 2237), (537, 2351), (561, 2399), (566, 2411), (581, 2441), (594, 2465), (601, 2477), (658, 2555), (660, 2561), (745, 2705), (767, 2738), (814, 2792), (952, 2969), (1012, 3023),

Gene: QuinnAvery_6 Start: 1935, Stop: 3635, Start Num: 112
Candidate Starts for QuinnAvery_6:
(70, 1878), (Start: 96 @1914 has 8 MA's), (Start: 112 @1935 has 27 MA's), (168, 2010), (185, 2058), (Start: 198 @2079 has 7 MA's), (204, 2094), (222, 2127), (257, 2169), (258, 2172), (269, 2217), (275, 2235), (276, 2238), (277, 2241), (335, 2364), (346, 2388), (375, 2418), (410, 2532), (436, 2592), (449, 2613), (475, 2679), (540, 2844), (572, 2910), (579, 2925), (668, 3096), (720, 3195), (749, 3228), (773, 3264), (776, 3267), (807, 3309), (831, 3351), (884, 3399), (903, 3426), (905, 3429), (910, 3435), (950, 3498), (1004, 3576), (1026, 3624),

Gene: RAP15_5 Start: 3133, Stop: 4698, Start Num: 75
Candidate Starts for RAP15_5:
(Start: 75 @3133 has 75 MA's), (Start: 216 @3343 has 4 MA's), (257, 3397), (275, 3463), (283, 3487), (387, 3703), (393, 3718), (395, 3724), (410, 3784), (436, 3844), (499, 3943), (519, 3973), (526, 3988), (572, 4069), (615, 4147), (623, 4156), (657, 4192), (676, 4231), (691, 4264), (697, 4273), (709, 4300), (754, 4354), (780, 4396), (820, 4441), (831, 4462), (843, 4486), (925, 4564), (1010, 4684),

Gene: REQ1_66 Start: 29500, Stop: 31053, Start Num: 141
Candidate Starts for REQ1_66:
(Start: 141 @29500 has 2 MA's), (225, 29638), (260, 29734), (338, 29911), (353, 29947), (354, 29950), (398, 30061), (403, 30079), (408, 30094), (418, 30121), (566, 30373), (578, 30394), (724, 30646), (851, 30820), (906, 30898), (925, 30922), (983, 31000),

Gene: REQ2_02 Start: 393, Stop: 1919, Start Num: 156
Candidate Starts for REQ2_02:
(Start: 156 @393 has 11 MA's), (257, 606), (288, 696), (304, 747), (309, 756), (310, 759), (360, 825), (374, 849), (386, 885), (394, 906), (401, 933), (407, 951), (408, 954), (422, 996), (495, 1092), (556, 1194), (561, 1203), (581, 1248), (668, 1389), (806, 1617), (923, 1770), (953, 1821), (1012, 1902),

Gene: RRH1_02 Start: 655, Stop: 1965, Start Num: 207
Candidate Starts for RRH1_02:
(Start: 110 @541 has 8 MA's), (Start: 207 @655 has 1 MA's), (224, 694), (266, 766), (276, 796), (283, 817), (304, 868), (324, 913), (342, 940), (350, 949), (368, 964), (406, 1063), (427, 1117), (432, 1132), (566, 1324), (672, 1492), (685, 1525), (696, 1540), (748, 1621), (808, 1696), (855, 1759), (885, 1798), (914, 1834), (956, 1903),

Gene: Rabbitrun_14 Start: 5332, Stop: 6777, Start Num: 153
Candidate Starts for Rabbitrun_14:
(Start: 153 @5332 has 47 MA's), (214, 5437), (217, 5443), (257, 5518), (290, 5611), (320, 5692), (372, 5761), (395, 5821), (404, 5854), (407, 5863), (413, 5884), (433, 5923), (517, 6061), (533, 6088), (571, 6157), (709, 6385), (743, 6439), (767, 6469), (801, 6508), (872, 6616), (877, 6622), (937, 6679),

Gene: Rabbs_2 Start: 456, Stop: 1892, Start Num: 173
Candidate Starts for Rabbs_2:
(Start: 87 @360 has 20 MA's), (Start: 173 @456 has 42 MA's), (Start: 175 @459 has 3 MA's), (Start: 191 @495 has 1 MA's), (Start: 210 @534 has 1 MA's), (271, 696), (304, 783), (309, 792), (317, 810), (335, 822), (394, 942), (404, 978), (409, 999), (420, 1020), (444, 1068), (450, 1077), (561, 1230), (591, 1290), (602, 1308), (645, 1359), (660, 1386), (666, 1401), (667, 1404), (714, 1485), (742, 1530), (799, 1605), (814, 1623), (825, 1644), (872, 1689), (886, 1707), (888, 1710), (952, 1803), (1014, 1884),

Gene: Rahul_2 Start: 517, Stop: 1917, Start Num: 148
Candidate Starts for Rahul_2:

(Start: 148 @517 has 5 MA's), (Start: 193 @583 has 2 MA's), (Start: 207 @610 has 1 MA's), (258, 685), (261, 694), (266, 721), (267, 724), (271, 736), (277, 754), (302, 814), (304, 823), (305, 826), (408, 1027), (592, 1321), (656, 1399), (663, 1414), (672, 1438), (675, 1444), (678, 1453), (685, 1471), (744, 1561), (803, 1627), (831, 1672), (865, 1723), (903, 1768), (922, 1795), (959, 1858), (994, 1900),

Gene: Ramen_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for Ramen_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: Ramsey_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Ramsey_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Rando14_6 Start: 1416, Stop: 2843, Start Num: 172
Candidate Starts for Rando14_6:
(163, 1404), (Start: 172 @1416 has 22 MA's), (201, 1473), (Start: 210 @1494 has 1 MA's), (Start: 223 @1518 has 16 MA's), (255, 1602), (259, 1611), (270, 1656), (271, 1659), (277, 1677), (288, 1695), (304, 1746), (311, 1761), (358, 1821), (391, 1899), (404, 1941), (407, 1950), (408, 1953), (426, 1992), (444, 2031), (537, 2145), (550, 2175), (561, 2193), (581, 2235), (601, 2271), (617, 2298), (660, 2355), (697, 2439), (766, 2541), (814, 2598), (827, 2622), (842, 2646), (952, 2775), (1012, 2832),

Gene: Rapunzel97_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for Rapunzel97_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: Raqqa_3 Start: 1118, Stop: 2458, Start Num: 222
Candidate Starts for Raqqa_3:
(158, 1001), (222, 1118), (Start: 223 @1121 has 16 MA's), (257, 1214), (283, 1298), (288, 1304), (304, 1355), (309, 1364), (404, 1550), (407, 1559), (408, 1562), (426, 1601), (428, 1604), (461, 1667), (532, 1742), (561, 1799), (663, 1970), (667, 1985), (696, 2045), (703, 2054), (713, 2075), (767, 2153), (771, 2162), (814, 2207), (820, 2219), (828, 2234), (842, 2264), (875, 2285), (952, 2390),

Gene: Rattail_2 Start: 373, Stop: 1995, Start Num: 96
Candidate Starts for Rattail_2:
(Start: 81 @352 has 7 MA's), (Start: 96 @373 has 8 MA's), (257, 604), (261, 616), (269, 652), (275, 670), (277, 676), (305, 748), (396, 916), (410, 967), (419, 991), (436, 1027), (449, 1048), (459, 1063), (481, 1123), (523, 1207), (651, 1423), (657, 1435), (688, 1501), (691, 1507), (711, 1546), (747, 1585), (749, 1591), (767, 1618), (793, 1663), (950, 1903), (964, 1930), (982, 1951), (1010, 1981), (1012, 1984),

Gene: RayTheFireFly_2 Start: 586, Stop: 2196, Start Num: 116
Candidate Starts for RayTheFireFly_2:
(Start: 116 @586 has 12 MA's), (233, 769), (288, 904), (304, 952), (356, 1024), (410, 1177), (431, 1219), (451, 1249), (493, 1312), (516, 1354), (520, 1363), (542, 1414), (561, 1444), (563, 1447), (568, 1465), (589, 1510), (605, 1543), (628, 1570), (714, 1735), (745, 1786), (769, 1825), (798, 1852), (799, 1855), (811, 1873), (862, 1957), (969, 2131),

Gene: Raymond7_2 Start: 509, Stop: 2044, Start Num: 152
Candidate Starts for Raymond7_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (224, 635), (225, 638), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: RcigaStruga_5 Start: 3080, Stop: 4645, Start Num: 75
Candidate Starts for RcigaStruga_5:
(Start: 75 @3080 has 75 MA's), (Start: 198 @3254 has 7 MA's), (Start: 216 @3290 has 4 MA's), (257, 3344), (267, 3386), (275, 3410), (334, 3536), (387, 3650), (393, 3665), (395, 3671), (410, 3731), (436, 3791), (472, 3857), (499, 3890), (519, 3920), (526, 3935), (545, 3968), (556, 3983), (572, 4016), (623, 4103), (767, 4322), (780, 4343), (806, 4364), (843, 4433), (925, 4511), (948, 4550), (964, 4580), (973, 4592), (1010, 4631), (1015, 4640),

Gene: Rearden_7 Start: 2337, Stop: 3869, Start Num: 152
Candidate Starts for Rearden_7:
(91, 2253), (Start: 122 @2295 has 2 MA's), (128, 2304), (Start: 152 @2337 has 34 MA's), (224, 2451), (246, 2514), (260, 2547), (272, 2595), (302, 2670), (317, 2706), (371, 2781), (373, 2784), (386, 2820), (398, 2853), (534, 3102), (566, 3165), (578, 3192), (603, 3237), (674, 3351), (692, 3387), (709, 3417), (714, 3426), (752, 3480), (769, 3504), (952, 3738), (959, 3750),

Gene: Rebel_2 Start: 509, Stop: 2044, Start Num: 152
Candidate Starts for Rebel_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Red305_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for Red305_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: RedFox_2 Start: 370, Stop: 1992, Start Num: 96
Candidate Starts for RedFox_2:
(Start: 81 @349 has 7 MA's), (Start: 96 @370 has 8 MA's), (257, 601), (258, 604), (261, 613), (269, 649), (275, 667), (305, 745), (375, 850), (410, 964), (419, 988), (436, 1024), (449, 1045), (459, 1060), (481, 1120), (523, 1204), (651, 1420), (657, 1432), (670, 1459), (688, 1498), (691, 1504), (711, 1543),

(737, 1570), (747, 1582), (767, 1615), (776, 1627), (793, 1660), (903, 1831), (950, 1900), (952, 1906), (964, 1927), (982, 1948), (1010, 1978), (1012, 1981), (1014, 1984),

Gene: Redi_2 Start: 512, Stop: 2044, Start Num: 155
Candidate Starts for Redi_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Reindeer_12 Start: 4590, Stop: 6134, Start Num: 112
Candidate Starts for Reindeer_12:
(Start: 112 @4590 has 27 MA's), (143, 4638), (304, 4977), (403, 5169), (409, 5193), (517, 5379), (546, 5430), (564, 5460), (566, 5466), (582, 5502), (658, 5565), (667, 5589), (675, 5604), (705, 5664), (711, 5676), (726, 5706), (743, 5736), (766, 5769), (797, 5802), (814, 5829), (841, 5877), (865, 5910), (977, 6063), (995, 6084),

Gene: Rem711_3 Start: 871, Stop: 2538, Start Num: 50
Candidate Starts for Rem711_3:
(22, 787), (26, 814), (34, 844), (41, 859), (Start: 50 @871 has 4 MA's), (Start: 219 @1078 has 15 MA's), (275, 1231), (277, 1237), (383, 1453), (386, 1465), (451, 1624), (459, 1636), (485, 1669), (493, 1687), (517, 1738), (535, 1774), (542, 1795), (556, 1816), (573, 1861), (605, 1924), (629, 1951), (720, 2113), (724, 2122), (762, 2185), (771, 2200), (811, 2245), (825, 2269), (883, 2359), (892, 2371), (942, 2440),

Gene: Remy19_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for Remy19_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Renaissance_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Renaissance_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Renna12_3 Start: 538, Stop: 2160, Start Num: 96
Candidate Starts for Renna12_3:
(Start: 81 @517 has 7 MA's), (Start: 96 @538 has 8 MA's), (Start: 198 @679 has 7 MA's), (258, 772), (261, 781), (269, 817), (275, 835), (305, 913), (375, 1018), (410, 1132), (436, 1192), (449, 1213), (459, 1228), (491, 1309), (523, 1372), (651, 1588), (657, 1600), (670, 1627), (688, 1666), (691, 1672), (711, 1711), (747, 1750), (767, 1783), (793, 1828), (903, 1999), (950, 2068), (952, 2074), (964, 2095), (1010, 2146), (1012, 2149),

Gene: Reptar3000_9 Start: 2501, Stop: 3841, Start Num: 223
Candidate Starts for Reptar3000_9:

(Start: 164 @2396 has 155 MA's), (Start: 223 @2501 has 16 MA's), (255, 2585), (259, 2594), (267, 2630), (271, 2642), (288, 2684), (304, 2735), (313, 2753), (341, 2783), (391, 2888), (404, 2930), (407, 2939), (408, 2942), (444, 3020), (450, 3029), (537, 3134), (558, 3176), (561, 3182), (581, 3224), (660, 3341), (678, 3383), (697, 3428), (743, 3497), (771, 3542), (797, 3563), (814, 3587), (888, 3671), (952, 3764), (1012, 3830), (1015, 3836),

Gene: Rey_18 Start: 5535, Stop: 7073, Start Num: 114
Candidate Starts for Rey_18:
(Start: 112 @5532 has 27 MA's), (Start: 114 @5535 has 1 MA's), (224, 5718), (231, 5736), (252, 5769), (258, 5778), (275, 5841), (304, 5916), (403, 6108), (446, 6201), (460, 6222), (546, 6369), (576, 6429), (705, 6603), (747, 6681), (766, 6708), (797, 6741), (814, 6768), (977, 7002), (995, 7023),

Gene: Reyja_3 Start: 640, Stop: 2217, Start Num: 110
Candidate Starts for Reyja_3:
(44, 547), (Start: 110 @640 has 8 MA's), (224, 823), (259, 862), (261, 868), (267, 898), (309, 1006), (346, 1075), (375, 1105), (396, 1168), (417, 1240), (432, 1270), (435, 1276), (436, 1279), (563, 1525), (572, 1546), (579, 1561), (581, 1564), (589, 1576), (634, 1636), (660, 1681), (668, 1699), (674, 1708), (685, 1738), (754, 1831), (767, 1852), (773, 1861), (805, 1921), (890, 2041), (952, 2134), (963, 2152), (1012, 2206),

Gene: Rhogar_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Rhogar_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Rhysand_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Rhysand_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Rialto_3 Start: 672, Stop: 2159, Start Num: 154
Candidate Starts for Rialto_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (224, 804), (240, 846), (241, 852), (253, 885), (257, 891), (259, 897), (268, 936), (276, 960), (287, 978), (288, 981), (302, 1023), (310, 1044), (333, 1071), (337, 1080), (342, 1089), (344, 1092), (374, 1143), (400, 1221), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (441, 1323), (445, 1329), (495, 1398), (496, 1404), (513, 1437), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (684, 1743), (714, 1788), (766, 1860), (800, 1899), (823, 1935), (826, 1941), (842, 1965), (882, 1995), (888, 2001), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: Richo_8 Start: 1660, Stop: 3090, Start Num: 164
Candidate Starts for Richo_8:
(Start: 121 @1618 has 4 MA's), (Start: 156 @1648 has 11 MA's), (Start: 164 @1660 has 155 MA's), (Start: 210 @1750 has 1 MA's), (Start: 223 @1774 has 16 MA's), (224, 1780), (239, 1819), (255, 1858), (259, 1867), (261, 1873), (271, 1915), (277, 1933), (288, 1951), (304, 2002), (341, 2050), (404, 2197), (407, 2206), (494, 2335), (537, 2401), (558, 2443), (561, 2449), (566, 2461), (581, 2491), (594, 2515), (606, 2542), (660, 2611), (680, 2653), (697, 2683), (711, 2707), (745, 2755), (797, 2818), (814, 2842), (842, 2893), (891, 2932), (952, 3022), (988, 3061), (1012, 3079), (1015, 3085),

Gene: Rileysaurus_2 Start: 377, Stop: 1888, Start Num: 153
Candidate Starts for Rileysaurus_2:
(Start: 153 @377 has 47 MA's), (177, 416), (186, 434), (214, 479), (225, 506), (226, 509), (254, 557), (259, 566), (261, 572), (270, 611), (272, 617), (295, 668), (303, 692), (304, 698), (321, 737), (326, 746), (328, 749), (344, 788), (345, 791), (372, 851), (378, 860), (393, 905), (394, 908), (400, 929), (404, 944), (407, 953), (409, 965), (434, 1025), (444, 1040), (446, 1043), (448, 1046), (504, 1133), (540, 1178), (556, 1205), (566, 1226), (605, 1292), (654, 1355), (673, 1397), (754, 1529), (768, 1550), (769, 1553), (771, 1556), (784, 1568), (816, 1598), (818, 1601), (827, 1619), (830, 1625), (849, 1655), (885, 1703), (887, 1706), (956, 1805), (972, 1826), (977, 1832), (980, 1835), (1010, 1874), (1014, 1880),

Gene: Riovina_2 Start: 429, Stop: 1994, Start Num: 75
Candidate Starts for Riovina_2:
(Start: 75 @429 has 75 MA's), (Start: 196 @600 has 2 MA's), (257, 693), (275, 759), (283, 783), (305, 837), (375, 966), (410, 1080), (436, 1140), (456, 1170), (519, 1269), (526, 1284), (572, 1365), (623, 1452), (676, 1527), (677, 1530), (691, 1560), (749, 1644), (780, 1692), (807, 1716), (884, 1806), (925, 1860), (973, 1941), (1010, 1980),

Gene: Riverdale_5 Start: 3064, Stop: 4629, Start Num: 75
Candidate Starts for Riverdale_5:
(Start: 75 @3064 has 75 MA's), (Start: 216 @3274 has 4 MA's), (257, 3328), (275, 3394), (283, 3418), (387, 3634), (393, 3649), (395, 3655), (410, 3715), (499, 3874), (519, 3904), (526, 3919), (572, 4000), (615, 4078), (623, 4087), (657, 4123), (676, 4162), (691, 4195), (697, 4204), (709, 4231), (754, 4285), (780, 4327), (820, 4372), (831, 4393), (843, 4417), (925, 4495), (1010, 4615),

Gene: RockyHorror_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for RockyHorror_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Rollins_2 Start: 653, Stop: 2215, Start Num: 127
Candidate Starts for Rollins_2:
(Start: 127 @653 has 74 MA's), (Start: 196 @761 has 2 MA's), (222, 809), (275, 917), (277, 923), (280, 932), (282, 938), (283, 941), (324, 1037), (375, 1100), (410, 1214), (436, 1274), (447, 1292), (558, 1520), (579, 1565), (668, 1703), (890, 2030), (1015, 2204), (1018, 2207),

Gene: Rona_3 Start: 944, Stop: 2563, Start Num: 127
Candidate Starts for Rona_3:
(1, 410), (Start: 120 @938 has 2 MA's), (Start: 127 @944 has 74 MA's), (222, 1100), (269, 1190), (275, 1208), (280, 1223), (309, 1292), (318, 1316), (334, 1334), (375, 1391), (394, 1442), (395, 1445), (410, 1505), (417, 1526), (430, 1553), (447, 1583), (618, 1922), (696, 2045), (896, 2360), (925, 2399), (1010, 2516),

Gene: Ronaldo_37 Start: 10775, Stop: 12181, Start Num: 179
Candidate Starts for Ronaldo_37:
(143, 10718), (Start: 179 @10775 has 6 MA's), (244, 10901), (266, 10961), (269, 10970), (303, 11054), (327, 11108), (393, 11234), (395, 11240), (400, 11258), (420, 11324), (453, 11378), (484, 11411), (500, 11456), (566, 11549), (617, 11627), (652, 11672), (661, 11690), (705, 11753), (707, 11759), (802, 11885), (829, 11930), (840, 11948), (977, 12122),

Gene: Ronnie_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Ronnie_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Root_4 Start: 1296, Stop: 2876, Start Num: 59
Candidate Starts for Root_4:
(Start: 59 @1296 has 1 MA's), (Start: 93 @1347 has 51 MA's), (Start: 99 @1356 has 2 MA's), (165, 1443), (Start: 207 @1515 has 1 MA's), (Start: 216 @1533 has 4 MA's), (257, 1593), (258, 1596), (261, 1605), (267, 1635), (305, 1737), (324, 1779), (394, 1893), (395, 1896), (408, 1941), (425, 1986), (429, 1995), (549, 2175), (558, 2187), (561, 2193), (578, 2229), (583, 2241), (652, 2337), (691, 2424), (709, 2460), (718, 2472), (728, 2481), (738, 2493), (757, 2523), (767, 2541), (809, 2598), (822, 2622), (885, 2709), (905, 2733), (914, 2745), (933, 2772),

Gene: RoscoWindex_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for RoscoWindex_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Rose5_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for Rose5_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: Rosmarinus_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Rosmarinus_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Rozby_5 Start: 3064, Stop: 4629, Start Num: 75
Candidate Starts for Rozby_5:
(Start: 75 @3064 has 75 MA's), (Start: 216 @3274 has 4 MA's), (257, 3328), (275, 3394), (283, 3418), (387, 3634), (391, 3646), (393, 3649), (395, 3655), (410, 3715), (436, 3775), (499, 3874), (519, 3904), (526, 3919), (572, 4000), (615, 4078), (623, 4087), (657, 4123), (676, 4162), (691, 4195), (697, 4204), (709, 4231), (754, 4285), (780, 4327), (820, 4372), (831, 4393), (843, 4417), (925, 4495), (1010, 4615),

Gene: Rubeelu_2 Start: 495, Stop: 2030, Start Num: 152
Candidate Starts for Rubeelu_2:
(Start: 152 @495 has 34 MA's), (Start: 155 @498 has 19 MA's), (Start: 167 @513 has 2 MA's), (197, 570), (209, 588), (Start: 216 @600 has 4 MA's), (250, 672), (266, 720), (269, 729), (295, 792), (322,

864), (351, 912), (393, 1011), (408, 1062), (442, 1134), (452, 1149), (462, 1167), (520, 1275), (534, 1299), (566, 1362), (617, 1446), (658, 1503), (664, 1518), (692, 1575), (701, 1593), (715, 1620), (752, 1689), (801, 1746), (816, 1755), (836, 1776), (857, 1809), (884, 1845), (897, 1860), (952, 1941), (956, 1947),

Gene: Ruchi_3 Start: 1027, Stop: 2607, Start Num: 135
Candidate Starts for Ruchi_3:
(65, 937), (Start: 81 @961 has 7 MA's), (Start: 135 @1027 has 10 MA's), (Start: 198 @1123 has 7 MA's), (200, 1126), (202, 1132), (261, 1225), (270, 1264), (275, 1279), (283, 1303), (334, 1405), (410, 1576), (415, 1588), (436, 1636), (449, 1657), (474, 1717), (488, 1747), (491, 1756), (523, 1819), (581, 1936), (651, 2035), (657, 2047), (688, 2113), (697, 2128), (711, 2158), (747, 2197), (751, 2206), (759, 2215), (780, 2251), (810, 2305), (950, 2515), (976, 2557), (1012, 2596),

Gene: Rumpelstiltskin_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Rumpelstiltskin_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (272, 1408), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (444, 1795), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Ruthiejr_8 Start: 2201, Stop: 3646, Start Num: 164
Candidate Starts for Ruthiejr_8:
(Start: 164 @2201 has 155 MA's), (Start: 223 @2306 has 16 MA's), (255, 2390), (259, 2399), (271, 2447), (276, 2462), (288, 2489), (304, 2540), (313, 2558), (341, 2588), (358, 2615), (391, 2693), (404, 2735), (407, 2744), (408, 2747), (444, 2825), (450, 2834), (494, 2873), (537, 2939), (561, 2987), (581, 3029), (594, 3053), (660, 3146), (678, 3188), (697, 3233), (743, 3302), (771, 3347), (797, 3368), (814, 3392), (952, 3569), (1012, 3635), (1015, 3641),

Gene: Ruthy_2 Start: 434, Stop: 1993, Start Num: 131
Candidate Starts for Ruthy_2:
(31, 278), (Start: 38 @302 has 1 MA's), (60, 335), (80, 365), (Start: 131 @434 has 3 MA's), (181, 500), (215, 560), (221, 569), (237, 608), (298, 758), (304, 779), (305, 782), (327, 824), (370, 878), (407, 986), (449, 1070), (451, 1073), (493, 1136), (507, 1166), (518, 1184), (520, 1187), (614, 1376), (654, 1430), (658, 1439), (660, 1445), (696, 1514), (717, 1550), (723, 1559), (728, 1568), (743, 1595), (745, 1598), (762, 1625), (811, 1685), (824, 1706), (892, 1811), (915, 1844), (1010, 1973),

Gene: Ryadel_33 Start: 13890, Stop: 15404, Start Num: 86
Candidate Starts for Ryadel_33:
(Start: 86 @13890 has 18 MA's), (Start: 88 @13893 has 18 MA's), (Start: 210 @14073 has 1 MA's), (245, 14166), (270, 14241), (283, 14274), (295, 14301), (304, 14331), (391, 14484), (394, 14490), (404, 14526), (407, 14535), (444, 14616), (450, 14625), (452, 14628), (495, 14667), (534, 14724), (550, 14760), (553, 14763), (656, 14919), (660, 14928), (692, 14997), (697, 15006), (703, 15012), (722, 15045), (745, 15081), (814, 15168), (825, 15189), (888, 15252), (891, 15255), (894, 15258), (905, 15276), (925, 15297), (952, 15339), (985, 15375), (1005, 15387),

Gene: Ryan_6 Start: 2079, Stop: 3779, Start Num: 112
Candidate Starts for Ryan_6:
(70, 2022), (Start: 96 @2058 has 8 MA's), (Start: 112 @2079 has 27 MA's), (185, 2202), (Start: 198 @2223 has 7 MA's), (222, 2271), (258, 2316), (259, 2319), (269, 2361), (275, 2379), (276, 2382), (295, 2424), (334, 2505), (335, 2508), (375, 2562), (410, 2676), (436, 2736), (449, 2757), (540, 2988), (572, 3054), (579, 3069), (668, 3240), (697, 3297), (720, 3339), (749, 3372), (776, 3411), (807, 3453), (890, 3552), (903, 3570), (905, 3573), (910, 3579), (950, 3642), (979, 3687), (1026, 3768),

Gene: SKKY_2 Start: 385, Stop: 1896, Start Num: 153
Candidate Starts for SKKY_2:
(Start: 153 @385 has 47 MA's), (177, 424), (186, 442), (214, 487), (225, 514), (226, 517), (254, 565), (259, 574), (261, 580), (267, 610), (270, 619), (272, 625), (288, 658), (295, 676), (303, 700), (304, 706), (321, 745), (326, 754), (328, 757), (344, 796), (345, 799), (378, 868), (393, 913), (394, 916), (400, 937), (404, 952), (407, 961), (409, 973), (426, 1012), (434, 1033), (444, 1048), (446, 1051), (448, 1054), (455, 1060), (464, 1075), (504, 1141), (521, 1162), (566, 1234), (605, 1300), (635, 1333), (717, 1483), (723, 1492), (734, 1504), (754, 1537), (768, 1558), (769, 1561), (771, 1564), (784, 1576), (816, 1606), (830, 1633), (844, 1654), (860, 1675), (885, 1711), (887, 1714), (897, 1726), (904, 1738), (951, 1804), (956, 1813), (959, 1819), (977, 1840), (1010, 1882), (1014, 1888),

Gene: Sage7_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Sage7_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Sahara_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Sahara_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: SallySpecial_2 Start: 441, Stop: 1871, Start Num: 148
Candidate Starts for SallySpecial_2:
(61, 354), (83, 387), (Start: 110 @420 has 8 MA's), (Start: 148 @441 has 5 MA's), (Start: 198 @519 has 7 MA's), (Start: 207 @537 has 1 MA's), (257, 609), (259, 615), (261, 621), (266, 648), (272, 666), (277, 681), (304, 747), (305, 750), (329, 801), (345, 837), (382, 882), (410, 978), (425, 1011), (496, 1092), (524, 1149), (651, 1335), (655, 1341), (674, 1386), (683, 1404), (728, 1479), (746, 1506), (767, 1539), (821, 1596), (885, 1692), (898, 1704), (956, 1797), (994, 1845),

Gene: SamScheppers_7 Start: 2180, Stop: 3520, Start Num: 223
Candidate Starts for SamScheppers_7:
(Start: 164 @2075 has 155 MA's), (Start: 223 @2180 has 16 MA's), (255, 2264), (259, 2273), (267, 2309), (271, 2321), (276, 2336), (288, 2363), (304, 2414), (313, 2432), (341, 2462), (358, 2489), (391, 2567), (407, 2618), (408, 2621), (444, 2699), (450, 2708), (494, 2747), (537, 2813), (561, 2861), (581, 2903), (660, 3020), (678, 3062), (697, 3107), (743, 3176), (771, 3221), (797, 3242), (814, 3266), (952, 3443), (1012, 3509), (1015, 3515),

Gene: SamW_2 Start: 374, Stop: 1957, Start Num: 121
Candidate Starts for SamW_2:
(Start: 118 @371 has 4 MA's), (Start: 121 @374 has 4 MA's), (Start: 127 @380 has 74 MA's), (225, 551), (257, 629), (260, 638), (322, 812), (389, 914), (391, 920), (395, 929), (396, 938), (414, 998), (435, 1046), (436, 1049), (502, 1112), (546, 1205), (581, 1271), (678, 1427), (686, 1445), (712, 1490), (735, 1532), (757, 1568), (766, 1583), (783, 1610), (786, 1613), (792, 1628), (809, 1661), (819, 1676), (845, 1724), (876, 1754), (891, 1772), (943, 1847), (990, 1922), (1011, 1946),

Gene: Samba_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Samba_2:

(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (854, 1689), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Samman98_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for Samman98_3:
(51, 760), (Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (202, 973), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (310, 1228), (372, 1318), (374, 1321), (404, 1414), (410, 1438), (451, 1510), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (658, 1840), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: Samty_5 Start: 1186, Stop: 2751, Start Num: 84
Candidate Starts for Samty_5:
(Start: 84 @1186 has 63 MA's), (Start: 88 @1192 has 18 MA's), (199, 1363), (257, 1468), (261, 1480), (317, 1636), (321, 1645), (322, 1648), (324, 1651), (372, 1726), (391, 1780), (393, 1783), (394, 1786), (509, 2017), (553, 2092), (564, 2113), (566, 2119), (608, 2188), (642, 2212), (654, 2230), (660, 2245), (717, 2359), (743, 2398), (747, 2404), (799, 2470), (856, 2560), (865, 2572), (909, 2611), (977, 2698), (1012, 2743), (1014, 2746),

Gene: SamuelLPlaqson_8 Start: 1566, Stop: 2987, Start Num: 164
Candidate Starts for SamuelLPlaqson_8:
(98, 1494), (Start: 127 @1533 has 74 MA's), (Start: 156 @1554 has 11 MA's), (Start: 164 @1566 has 155 MA's), (Start: 223 @1677 has 16 MA's), (224, 1683), (255, 1761), (259, 1770), (271, 1818), (277, 1836), (304, 1905), (336, 1947), (341, 1953), (358, 1980), (360, 1983), (374, 2007), (404, 2100), (407, 2109), (444, 2190), (457, 2208), (537, 2304), (561, 2352), (566, 2364), (581, 2394), (594, 2418), (601, 2430), (658, 2508), (660, 2514), (745, 2658), (767, 2691), (814, 2745), (952, 2922), (1012, 2976),

Gene: SanaSana_4 Start: 960, Stop: 2585, Start Num: 127
Candidate Starts for SanaSana_4:
(Start: 127 @960 has 74 MA's), (222, 1116), (275, 1224), (280, 1239), (309, 1308), (335, 1353), (394, 1458), (395, 1461), (410, 1521), (416, 1539), (417, 1542), (430, 1569), (447, 1599), (523, 1761), (652, 1977), (688, 2052), (696, 2064), (925, 2418), (952, 2466),

Gene: Sandman_4 Start: 874, Stop: 2364, Start Num: 104
Candidate Starts for Sandman_4:
(Start: 104 @874 has 38 MA's), (145, 919), (Start: 207 @1021 has 1 MA's), (Start: 216 @1039 has 4 MA's), (220, 1048), (257, 1099), (258, 1102), (261, 1111), (267, 1141), (276, 1168), (318, 1267), (384, 1366), (393, 1390), (394, 1393), (395, 1396), (408, 1441), (549, 1675), (578, 1723), (583, 1735), (603, 1774), (615, 1792), (636, 1804), (638, 1807), (651, 1828), (655, 1834), (660, 1846), (697, 1924), (732, 1978), (767, 2032), (776, 2044), (813, 2089), (841, 2137), (914, 2221), (950, 2278), (999, 2347),

Gene: SansAfet_3 Start: 677, Stop: 2305, Start Num: 127
Candidate Starts for SansAfet_3:
(Start: 127 @677 has 74 MA's), (222, 833), (275, 941), (309, 1025), (318, 1049), (334, 1067), (375, 1124), (394, 1175), (395, 1178), (410, 1238), (416, 1256), (430, 1286), (447, 1316), (688, 1772), (697, 1787), (925, 2138), (952, 2186), (1026, 2294),

Gene: SantasSleigh_3 Start: 1110, Stop: 2570, Start Num: 106
Candidate Starts for SantasSleigh_3:

(Start: 106 @1110 has 126 MA's), (Start: 111 @1116 has 9 MA's), (217, 1278), (222, 1287), (258, 1347), (278, 1416), (290, 1437), (305, 1488), (409, 1692), (540, 1905), (546, 1920), (567, 1956), (588, 1998), (605, 2031), (621, 2049), (692, 2169), (694, 2172), (699, 2184), (749, 2259), (788, 2322), (799, 2340), (801, 2343), (919, 2505), (928, 2514), (934, 2523), (955, 2562),

Gene: Santhid_2 Start: 511, Stop: 2100, Start Num: 110
Candidate Starts for Santhid_2:
(Start: 110 @511 has 8 MA's), (202, 646), (204, 652), (224, 694), (259, 733), (267, 769), (283, 817), (309, 877), (334, 919), (335, 922), (346, 946), (347, 949), (375, 976), (396, 1039), (417, 1111), (432, 1141), (435, 1147), (436, 1150), (572, 1417), (579, 1432), (581, 1435), (589, 1447), (634, 1507), (660, 1552), (668, 1570), (674, 1579), (685, 1609), (754, 1702), (767, 1723), (773, 1732), (805, 1792), (820, 1816), (837, 1852), (952, 2017), (963, 2035), (1012, 2089),

Gene: Saphira_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Saphira_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (220, 974), (257, 1025), (261, 1037), (267, 1067), (271, 1079), (276, 1094), (303, 1160), (324, 1205), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (415, 1391), (417, 1400), (456, 1466), (505, 1529), (513, 1541), (540, 1583), (549, 1601), (583, 1661), (615, 1718), (636, 1730), (651, 1754), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (780, 1979), (836, 2054), (841, 2063), (861, 2090), (914, 2147), (948, 2201), (999, 2273),

Gene: Sapo_1 Start: 60, Stop: 1748, Start Num: 21
Candidate Starts for Sapo_1:
(Start: 21 @60 has 3 MA's), (391, 750), (396, 768), (417, 840), (436, 879), (543, 1032), (584, 1107), (599, 1134), (674, 1245), (676, 1251), (678, 1257), (697, 1293), (754, 1383), (791, 1437), (811, 1470), (963, 1680), (964, 1683),

Gene: SarBear_3 Start: 676, Stop: 2304, Start Num: 127
Candidate Starts for SarBear_3:
(Start: 127 @676 has 74 MA's), (222, 832), (275, 940), (309, 1024), (318, 1048), (375, 1123), (394, 1174), (395, 1177), (410, 1237), (416, 1255), (430, 1285), (447, 1315), (688, 1771), (697, 1786), (925, 2137), (1026, 2293),

Gene: Sara_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Sara_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Sarge_2 Start: 371, Stop: 1759, Start Num: 189
Candidate Starts for Sarge_2:
(56, 170), (Start: 59 @173 has 1 MA's), (Start: 66 @185 has 1 MA's), (117, 257), (Start: 156 @311 has 11 MA's), (Start: 189 @371 has 6 MA's), (201, 392), (Start: 210 @413 has 1 MA's), (226, 446), (240, 482), (257, 527), (258, 530), (266, 566), (271, 581), (283, 611), (295, 638), (341, 716), (374, 770), (407, 872), (408, 875), (461, 980), (556, 1106), (561, 1115), (655, 1256), (658, 1262), (660, 1268), (689, 1328), (692, 1334), (714, 1373), (735, 1400), (741, 1409), (799, 1487), (814, 1505), (858, 1562), (957, 1682), (971, 1703), (1012, 1748),

Gene: Sarma624_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Sarma624_3:

(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Sarshaun_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Sarshaun_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Savage_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Savage_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Savage2526_5 Start: 3127, Stop: 4692, Start Num: 75
Candidate Starts for Savage2526_5:
(Start: 75 @3127 has 75 MA's), (Start: 216 @3337 has 4 MA's), (217, 3340), (257, 3391), (275, 3457), (283, 3481), (387, 3697), (393, 3712), (395, 3718), (410, 3778), (443, 3850), (499, 3937), (519, 3967), (526, 3982), (572, 4063), (615, 4141), (623, 4150), (657, 4186), (676, 4225), (691, 4258), (697, 4267), (709, 4294), (754, 4348), (780, 4390), (820, 4435), (831, 4456), (843, 4480), (925, 4558), (1010, 4678),

Gene: Sbash_2 Start: 488, Stop: 2038, Start Num: 151
Candidate Starts for Sbash_2:
(Start: 151 @488 has 1 MA's), (197, 566), (209, 584), (258, 677), (275, 740), (295, 785), (305, 818), (354, 914), (372, 950), (386, 989), (393, 1004), (404, 1043), (408, 1055), (413, 1073), (422, 1088), (442, 1127), (466, 1166), (520, 1268), (534, 1292), (631, 1454), (658, 1496), (675, 1535), (715, 1610), (730, 1640), (773, 1709), (776, 1712), (816, 1754), (868, 1844), (897, 1880), (906, 1895), (947, 1952), (952, 1961), (956, 1967), (967, 1979), (974, 1988), (1000, 2015),

Gene: Scamander_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Scamander_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Scarlett_7 Start: 1481, Stop: 2905, Start Num: 164
Candidate Starts for Scarlett_7:
(Start: 164 @1481 has 155 MA's), (Start: 210 @1568 has 1 MA's), (Start: 223 @1592 has 16 MA's), (224, 1598), (255, 1676), (259, 1685), (261, 1691), (271, 1733), (277, 1751), (288, 1769), (304, 1820), (335, 1859), (358, 1895), (391, 1973), (404, 2015), (407, 2024), (444, 2105), (537, 2219), (558, 2261), (561, 2267), (566, 2279), (581, 2309), (594, 2333), (601, 2345), (606, 2360), (660, 2429), (680, 2471), (743, 2570), (766, 2603), (767, 2606), (799, 2642), (814, 2660), (1012, 2894),

Gene: Schiebel_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for Schiebel_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Schiebs_2 Start: 487, Stop: 1824, Start Num: 193
Candidate Starts for Schiebs_2:
(Start: 110 @397 has 8 MA's), (Start: 193 @487 has 2 MA's), (Start: 198 @496 has 7 MA's), (Start: 207 @514 has 1 MA's), (214, 529), (224, 553), (261, 598), (268, 631), (272, 643), (283, 676), (309, 730), (332, 772), (346, 802), (347, 805), (395, 886), (401, 910), (408, 931), (432, 994), (587, 1222), (636, 1282), (647, 1294), (654, 1306), (656, 1309), (663, 1324), (674, 1351), (675, 1354), (696, 1396), (728, 1447), (747, 1474), (749, 1480), (821, 1564), (824, 1570), (901, 1666), (912, 1681), (925, 1699), (952, 1747), (959, 1759),

Gene: Schism_6 Start: 1957, Stop: 3657, Start Num: 112
Candidate Starts for Schism_6:
(70, 1900), (Start: 96 @1936 has 8 MA's), (Start: 112 @1957 has 27 MA's), (185, 2080), (Start: 198 @2101 has 7 MA's), (222, 2149), (258, 2194), (269, 2239), (275, 2257), (276, 2260), (277, 2263), (375, 2440), (410, 2554), (436, 2614), (449, 2635), (475, 2701), (540, 2866), (572, 2932), (579, 2947), (668, 3118), (691, 3166), (697, 3175), (720, 3217), (749, 3250), (776, 3289), (807, 3331), (831, 3373), (884, 3421), (903, 3448), (905, 3451), (910, 3457), (925, 3478), (950, 3520), (1026, 3646),

Gene: Schmidt_5 Start: 1915, Stop: 3552, Start Num: 62
Candidate Starts for Schmidt_5:
(Start: 50 @1897 has 4 MA's), (Start: 62 @1915 has 1 MA's), (132, 1987), (140, 1999), (Start: 198 @2089 has 7 MA's), (202, 2098), (258, 2182), (259, 2185), (260, 2188), (272, 2236), (283, 2269), (375, 2428), (393, 2476), (395, 2482), (419, 2566), (421, 2569), (423, 2572), (435, 2599), (436, 2602), (545, 2761), (572, 2809), (579, 2824), (588, 2839), (621, 2893), (647, 2941), (658, 2965), (675, 3007), (690, 3040), (696, 3049), (709, 3079), (737, 3109), (749, 3127), (754, 3133), (776, 3166), (793, 3199), (848, 3304), (869, 3331), (873, 3337), (932, 3412), (970, 3475), (1009, 3523), (1019, 3544),

Gene: Schnabeltier_2 Start: 521, Stop: 2170, Start Num: 82
Candidate Starts for Schnabeltier_2:
(Start: 82 @521 has 6 MA's), (Start: 219 @719 has 15 MA's), (221, 722), (304, 932), (309, 941), (317, 962), (344, 1007), (410, 1190), (493, 1325), (542, 1391), (566, 1433), (628, 1547), (637, 1565), (643, 1568), (714, 1712), (722, 1721), (799, 1832), (811, 1850), (854, 1922), (878, 1958), (921, 2012), (954, 2072), (984, 2123),

Gene: Schnauzer_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Schnauzer_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: SchoolBus_30 Start: 13077, Stop: 14591, Start Num: 86
Candidate Starts for SchoolBus_30:

(Start: 86 @13077 has 18 MA's), (Start: 88 @13080 has 18 MA's), (Start: 210 @13260 has 1 MA's), (245, 13353), (270, 13428), (283, 13461), (295, 13488), (304, 13518), (391, 13671), (394, 13677), (404, 13713), (407, 13722), (444, 13803), (450, 13812), (452, 13815), (495, 13854), (534, 13911), (550, 13947), (553, 13950), (656, 14106), (660, 14115), (692, 14184), (697, 14193), (703, 14199), (722, 14232), (745, 14268), (814, 14355), (825, 14376), (888, 14439), (891, 14442), (894, 14445), (905, 14463), (925, 14484), (952, 14526), (985, 14562), (1005, 14574),

Gene: Schuy_32 Start: 13466, Stop: 14977, Start Num: 88
Candidate Starts for Schuy_32:
(Start: 86 @13463 has 18 MA's), (Start: 88 @13466 has 18 MA's), (Start: 210 @13646 has 1 MA's), (245, 13739), (270, 13814), (283, 13847), (295, 13874), (304, 13904), (391, 14057), (394, 14063), (404, 14099), (407, 14108), (444, 14189), (450, 14198), (452, 14201), (495, 14240), (534, 14297), (550, 14333), (553, 14336), (656, 14492), (660, 14501), (692, 14570), (697, 14579), (703, 14585), (722, 14618), (745, 14654), (814, 14741), (825, 14762), (888, 14825), (891, 14828), (894, 14831), (905, 14849), (925, 14870), (952, 14912), (985, 14948), (1005, 14960),

Gene: Scitech_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Scitech_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Scrunchy_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Scrunchy_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Scuttle_5 Start: 3343, Stop: 4698, Start Num: 216
Candidate Starts for Scuttle_5:
(Start: 75 @3133 has 75 MA's), (Start: 216 @3343 has 4 MA's), (257, 3397), (272, 3454), (275, 3463), (283, 3487), (387, 3703), (393, 3718), (395, 3724), (410, 3784), (436, 3844), (499, 3943), (519, 3973), (526, 3988), (572, 4069), (615, 4147), (623, 4156), (657, 4192), (676, 4231), (691, 4264), (697, 4273), (709, 4300), (754, 4354), (780, 4396), (820, 4441), (831, 4462), (843, 4486), (925, 4564), (1010, 4684),

Gene: SeaWolves_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for SeaWolves_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Seagreen_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Seagreen_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684,

1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102),

Gene: Sekhmet_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for Sekhmet_3:
(51, 760), (Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (310, 1228), (372, 1318), (374, 1321), (386, 1357), (404, 1414), (407, 1423), (410, 1438), (451, 1510), (459, 1522), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: Sephiroth_13 Start: 5118, Stop: 6593, Start Num: 153
Candidate Starts for Sephiroth_13:
(Start: 153 @5118 has 47 MA's), (231, 5265), (257, 5304), (261, 5316), (303, 5439), (304, 5445), (347, 5526), (372, 5580), (374, 5583), (395, 5640), (407, 5682), (409, 5694), (422, 5718), (433, 5742), (460, 5784), (566, 5964), (590, 6006), (655, 6087), (675, 6132), (687, 6156), (709, 6201), (747, 6261), (801, 6324), (806, 6330), (848, 6402), (865, 6420), (877, 6438), (967, 6537), (980, 6555), (1003, 6585),

Gene: Sergei_2 Start: 428, Stop: 1993, Start Num: 75
Candidate Starts for Sergei_2:
(Start: 75 @428 has 75 MA's), (Start: 196 @599 has 2 MA's), (257, 692), (260, 701), (267, 734), (272, 749), (275, 758), (283, 782), (305, 836), (364, 947), (393, 1013), (395, 1019), (410, 1079), (436, 1139), (456, 1169), (519, 1268), (615, 1442), (623, 1451), (657, 1487), (660, 1493), (677, 1529), (696, 1565), (711, 1598), (747, 1637), (749, 1643), (845, 1784), (925, 1859), (973, 1940), (1010, 1979),

Gene: SerialPhiller_2 Start: 412, Stop: 1926, Start Num: 85
Candidate Starts for SerialPhiller_2:
(51, 361), (Start: 85 @412 has 2 MA's), (Start: 94 @424 has 2 MA's), (115, 448), (138, 472), (Start: 207 @583 has 1 MA's), (220, 610), (261, 673), (267, 703), (270, 712), (276, 730), (324, 841), (346, 874), (394, 955), (408, 1003), (441, 1084), (540, 1219), (556, 1246), (583, 1297), (601, 1330), (709, 1513), (776, 1606), (809, 1645), (813, 1651), (822, 1660), (841, 1699), (914, 1783), (925, 1798), (959, 1858), (985, 1888),

Gene: Seume_4 Start: 596, Stop: 2086, Start Num: 104
Candidate Starts for Seume_4:
(Start: 104 @596 has 38 MA's), (145, 641), (Start: 207 @743 has 1 MA's), (Start: 216 @761 has 4 MA's), (220, 770), (257, 821), (258, 824), (261, 833), (267, 863), (276, 890), (318, 989), (384, 1088), (393, 1112), (394, 1115), (395, 1118), (408, 1163), (499, 1313), (549, 1397), (578, 1445), (583, 1457), (603, 1496), (615, 1514), (636, 1526), (638, 1529), (651, 1550), (655, 1556), (660, 1568), (697, 1646), (732, 1700), (767, 1754), (776, 1766), (841, 1859), (914, 1943), (950, 2000), (999, 2069),

Gene: SgtBeansprout_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for SgtBeansprout_4:
(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341, 1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: ShaboiShabazz_2 Start: 458, Stop: 1891, Start Num: 175
Candidate Starts for ShaboiShabazz_2:

(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Shaboozey_6 Start: 2259, Stop: 3791, Start Num: 152
Candidate Starts for Shaboozey_6:
(91, 2175), (Start: 122 @2217 has 2 MA's), (128, 2226), (Start: 152 @2259 has 34 MA's), (224, 2373), (260, 2469), (261, 2472), (272, 2517), (302, 2592), (371, 2703), (373, 2706), (386, 2742), (398, 2775), (534, 3024), (566, 3087), (578, 3114), (603, 3159), (674, 3273), (692, 3309), (709, 3339), (714, 3348), (752, 3402), (769, 3426), (952, 3660), (959, 3672),

Gene: Shadow1_6 Start: 1423, Stop: 2850, Start Num: 164
Candidate Starts for Shadow1_6:
(89, 1339), (Start: 164 @1423 has 155 MA's), (Start: 210 @1513 has 1 MA's), (Start: 223 @1537 has 16 MA's), (255, 1621), (259, 1630), (271, 1678), (277, 1696), (304, 1765), (335, 1804), (358, 1840), (391, 1918), (404, 1960), (407, 1969), (444, 2050), (494, 2098), (537, 2164), (558, 2206), (561, 2212), (566, 2224), (570, 2230), (581, 2254), (594, 2278), (597, 2284), (606, 2305), (660, 2374), (680, 2416), (741, 2509), (743, 2515), (745, 2518), (767, 2551), (797, 2581), (814, 2605), (842, 2653), (952, 2782), (1012, 2839), (1015, 2845),

Gene: Shagrat_8 Start: 5149, Stop: 6693, Start Num: 136
Candidate Starts for Shagrat_8:
(Start: 136 @5149 has 2 MA's), (307, 5524), (395, 5680), (398, 5692), (400, 5698), (408, 5725), (409, 5734), (428, 5776), (566, 6013), (609, 6088), (674, 6193), (692, 6229), (725, 6286), (750, 6334), (771, 6364), (849, 6466), (897, 6532), (933, 6583), (990, 6652),

Gene: Shaobing_8 Start: 1660, Stop: 3090, Start Num: 164
Candidate Starts for Shaobing_8:
(Start: 121 @1618 has 4 MA's), (Start: 156 @1648 has 11 MA's), (Start: 164 @1660 has 155 MA's), (Start: 210 @1750 has 1 MA's), (Start: 223 @1774 has 16 MA's), (224, 1780), (239, 1819), (255, 1858), (259, 1867), (261, 1873), (271, 1915), (277, 1933), (288, 1951), (304, 2002), (341, 2050), (404, 2197), (407, 2206), (494, 2335), (537, 2401), (558, 2443), (561, 2449), (566, 2461), (581, 2491), (594, 2515), (606, 2542), (660, 2611), (680, 2653), (697, 2683), (711, 2707), (745, 2755), (797, 2818), (814, 2842), (842, 2893), (891, 2932), (952, 3022), (988, 3061), (1012, 3079), (1015, 3085),

Gene: Sharkboy_3 Start: 943, Stop: 2562, Start Num: 127
Candidate Starts for Sharkboy_3:
(1, 409), (Start: 120 @937 has 2 MA's), (Start: 127 @943 has 74 MA's), (222, 1099), (269, 1189), (275, 1207), (280, 1222), (309, 1291), (318, 1315), (334, 1333), (375, 1390), (394, 1441), (395, 1444), (410, 1504), (417, 1525), (430, 1552), (447, 1582), (618, 1921), (696, 2044), (896, 2359), (925, 2398), (1010, 2515),

Gene: ShawBrad_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for ShawBrad_3:
(132, 664), (Start: 154 @673 has 76 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (241, 853), (253, 886), (268, 937), (271, 946), (288, 982), (302, 1024), (310, 1045), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (445, 1330), (497, 1411), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (597, 1603), (640, 1657), (698, 1759), (714, 1786), (829, 1945), (842, 1963), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: Shayna_2 Start: 648, Stop: 2282, Start Num: 127
Candidate Starts for Shayna_2:
(Start: 127 @648 has 74 MA's), (185, 738), (202, 765), (275, 912), (309, 996), (335, 1041), (367, 1086), (375, 1095), (410, 1209), (430, 1257), (447, 1287), (458, 1302), (491, 1383), (651, 1671), (925, 2115), (952, 2163), (1026, 2271),

Gene: ShedlockHolmes_7 Start: 1488, Stop: 2912, Start Num: 164
Candidate Starts for ShedlockHolmes_7:
(Start: 156 @1476 has 11 MA's), (Start: 164 @1488 has 155 MA's), (Start: 210 @1575 has 1 MA's), (Start: 223 @1599 has 16 MA's), (255, 1683), (259, 1692), (271, 1740), (277, 1758), (288, 1776), (304, 1827), (336, 1869), (341, 1875), (358, 1902), (391, 1980), (404, 2022), (407, 2031), (444, 2112), (457, 2130), (537, 2226), (561, 2274), (566, 2286), (581, 2316), (594, 2340), (601, 2352), (660, 2436), (680, 2478), (743, 2577), (745, 2580), (771, 2622), (782, 2637), (797, 2643), (812, 2664), (814, 2667), (952, 2844), (1015, 2907),

Gene: Sheng711_4 Start: 771, Stop: 2333, Start Num: 84
Candidate Starts for Sheng711_4:
(Start: 84 @771 has 63 MA's), (Start: 88 @777 has 18 MA's), (190, 927), (225, 993), (242, 1023), (257, 1047), (262, 1062), (272, 1104), (324, 1230), (394, 1368), (400, 1389), (407, 1413), (442, 1488), (481, 1536), (517, 1614), (529, 1635), (542, 1659), (546, 1665), (564, 1695), (566, 1701), (582, 1737), (660, 1827), (711, 1932), (717, 1941), (735, 1965), (747, 1986), (799, 2052), (865, 2154), (972, 2274), (977, 2280), (995, 2301), (1012, 2325),

Gene: ShiaSurprise_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for ShiaSurprise_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Shida_31 Start: 13370, Stop: 14884, Start Num: 86
Candidate Starts for Shida_31:
(Start: 86 @13370 has 18 MA's), (Start: 88 @13373 has 18 MA's), (Start: 210 @13553 has 1 MA's), (245, 13646), (246, 13649), (270, 13721), (283, 13754), (295, 13781), (304, 13811), (391, 13964), (394, 13970), (404, 14006), (407, 14015), (444, 14096), (450, 14105), (452, 14108), (495, 14147), (534, 14204), (550, 14240), (553, 14243), (656, 14399), (660, 14408), (692, 14477), (697, 14486), (703, 14492), (722, 14525), (745, 14561), (814, 14648), (825, 14669), (888, 14732), (891, 14735), (894, 14738), (905, 14756), (925, 14777), (952, 14819), (985, 14855), (1005, 14867),

Gene: Shipwreck_2 Start: 401, Stop: 2077, Start Num: 40
Candidate Starts for Shipwreck_2:
(Start: 40 @401 has 46 MA's), (192, 617), (213, 656), (244, 713), (247, 719), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (309, 887), (314, 899), (365, 989), (440, 1178), (520, 1274), (542, 1325), (629, 1478), (741, 1676), (745, 1685), (762, 1712), (799, 1754), (811, 1772), (862, 1856), (871, 1871), (1012, 2060),

Gene: Shlim410_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for Shlim410_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (267, 618), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (386, 855), (404, 912), (407, 921), (410, 936), (451, 1008), (459, 1020), (493, 1071), (542, 1137), (566, 1179), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (714, 1458), (742, 1500), (766, 1536), (767, 1539), (799, 1575), (811,

1593), (831, 1629), (864, 1680), (911, 1743), (939, 1785), (965, 1827),

Gene: Shoya_2 Start: 342, Stop: 1781, Start Num: 169
Candidate Starts for Shoya_2:
(Start: 169 @342 has 4 MA's), (Start: 210 @417 has 1 MA's), (257, 525), (259, 531), (263, 549), (270, 576), (271, 579), (297, 642), (304, 666), (357, 744), (374, 774), (395, 834), (404, 867), (407, 876), (409, 888), (426, 918), (428, 921), (444, 957), (452, 969), (531, 1077), (542, 1104), (597, 1203), (658, 1284), (674, 1320), (689, 1350), (692, 1356), (714, 1395), (723, 1407), (735, 1422), (741, 1431), (743, 1437), (814, 1527), (898, 1623),

Gene: ShrimpFriedEgg_2 Start: 512, Stop: 2044, Start Num: 155
Candidate Starts for ShrimpFriedEgg_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Shweta_2 Start: 512, Stop: 2044, Start Num: 155
Candidate Starts for Shweta_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (224, 635), (225, 638), (250, 686), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Sidious_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for Sidious_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (361, 798), (374, 819), (404, 912), (410, 936), (431, 978), (493, 1071), (542, 1137), (566, 1179), (601, 1254), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (714, 1458), (742, 1500), (745, 1506), (767, 1539), (799, 1575), (811, 1593), (831, 1629), (854, 1665), (862, 1677), (864, 1680), (911, 1743), (939, 1785), (965, 1827), (992, 1857),

Gene: Silvafighter_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Silvafighter_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: SilverChicken_3 Start: 663, Stop: 2183, Start Num: 154
Candidate Starts for SilverChicken_3:
(Start: 131 @651 has 3 MA's), (Start: 154 @663 has 76 MA's), (Start: 223 @789 has 16 MA's), (225, 798), (241, 843), (251, 873), (253, 876), (257, 882), (268, 927), (276, 951), (288, 972), (302, 1014), (310, 1035), (333, 1062), (342, 1080), (344, 1083), (358, 1107), (374, 1134), (394, 1191), (404, 1227), (407, 1236), (409, 1248), (412, 1254), (420, 1269), (428, 1281), (439, 1308), (441, 1314), (445, 1320), (467, 1356), (479, 1365), (496, 1395), (511, 1425), (513, 1428), (563, 1524), (566, 1533), (579, 1560), (633, 1644), (651, 1659), (709, 1770), (714, 1779), (722, 1788), (766, 1851), (823, 1926), (829, 1938), (842, 1956), (888, 1992), (925, 2034), (930, 2040), (952, 2082), (960, 2094), (969, 2106), (1023, 2172),

Gene: Silverleaf_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for Silverleaf_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: Silvy_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Silvy_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: SimranZ1_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for SimranZ1_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Sippinontea_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Sippinontea_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (417, 1677), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (955, 2523),

Gene: SirPhilip_7 Start: 1382, Stop: 2806, Start Num: 164
Candidate Starts for SirPhilip_7:
(89, 1298), (Start: 156 @1370 has 11 MA's), (Start: 164 @1382 has 155 MA's), (Start: 210 @1469 has 1 MA's), (Start: 223 @1493 has 16 MA's), (224, 1499), (255, 1577), (259, 1586), (271, 1634), (277, 1652), (288, 1670), (295, 1691), (304, 1721), (305, 1724), (404, 1916), (407, 1925), (444, 2006), (537, 2120), (558, 2162), (561, 2168), (566, 2180), (581, 2210), (594, 2234), (601, 2246), (606, 2261), (660, 2330), (680, 2372), (743, 2471), (745, 2474), (766, 2504), (767, 2507), (799, 2543), (814, 2561), (952, 2738), (1012, 2795), (1015, 2801),

Gene: Sizemore_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for Sizemore_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Skinny_15 Start: 4718, Stop: 6262, Start Num: 112

Candidate Starts for Skinny_15:
(Start: 112 @4718 has 27 MA's), (143, 4766), (224, 4907), (258, 4967), (304, 5105), (403, 5297), (517, 5507), (546, 5558), (582, 5630), (658, 5693), (667, 5717), (675, 5732), (705, 5792), (711, 5804), (743, 5864), (766, 5897), (797, 5930), (814, 5957), (841, 6005), (977, 6191), (995, 6212),

Gene: SkinnyPete_2 Start: 509, Stop: 2044, Start Num: 152
Candidate Starts for SkinnyPete_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (224, 635), (225, 638), (250, 686), (264, 722), (267, 737), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Skitty_3 Start: 667, Stop: 1761, Start Num: 309
Candidate Starts for Skitty_3:
(Start: 167 @316 has 2 MA's), (Start: 223 @424 has 16 MA's), (224, 430), (238, 466), (240, 472), (304, 658), (309, 667), (390, 805), (395, 820), (404, 853), (407, 862), (408, 865), (420, 895), (422, 898), (426, 904), (428, 907), (444, 943), (561, 1102), (566, 1114), (617, 1210), (654, 1252), (658, 1261), (663, 1273), (703, 1357), (745, 1423), (766, 1453), (767, 1456), (771, 1465), (801, 1492), (820, 1522), (828, 1537), (952, 1693),

Gene: Skylord_2 Start: 593, Stop: 2155, Start Num: 127
Candidate Starts for Skylord_2:
(Start: 127 @593 has 74 MA's), (Start: 196 @701 has 2 MA's), (222, 749), (275, 857), (277, 863), (280, 872), (282, 878), (283, 881), (324, 977), (375, 1040), (410, 1154), (436, 1214), (447, 1232), (558, 1460), (579, 1505), (668, 1643), (890, 1970), (1015, 2144), (1018, 2147),

Gene: Slarp_9 Start: 2478, Stop: 3920, Start Num: 164
Candidate Starts for Slarp_9:
(Start: 164 @2478 has 155 MA's), (Start: 223 @2583 has 16 MA's), (255, 2667), (259, 2676), (267, 2712), (271, 2724), (276, 2739), (288, 2766), (304, 2817), (313, 2835), (341, 2865), (358, 2892), (391, 2970), (407, 3021), (408, 3024), (444, 3102), (450, 3111), (494, 3150), (537, 3216), (561, 3264), (581, 3306), (660, 3423), (678, 3465), (697, 3510), (743, 3579), (771, 3624), (797, 3645), (814, 3669), (952, 3846), (1012, 3909), (1015, 3915),

Gene: Slay_3 Start: 1159, Stop: 2781, Start Num: 127
Candidate Starts for Slay_3:
(Start: 127 @1159 has 74 MA's), (222, 1315), (275, 1423), (280, 1438), (295, 1468), (303, 1492), (309, 1507), (322, 1540), (375, 1606), (394, 1657), (395, 1660), (410, 1720), (447, 1798), (688, 2248), (697, 2263), (925, 2614), (1026, 2770),

Gene: Sleepyhead_2 Start: 439, Stop: 1917, Start Num: 142
Candidate Starts for Sleepyhead_2:
(Start: 142 @439 has 1 MA's), (275, 712), (315, 808), (394, 967), (395, 970), (465, 1126), (550, 1243), (585, 1309), (707, 1486), (715, 1498), (743, 1537), (756, 1555), (765, 1567), (802, 1609), (829, 1654), (983, 1864),

Gene: Slentz_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Slentz_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799,

2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: SlimJimmy_13 Start: 4718, Stop: 6262, Start Num: 112
Candidate Starts for SlimJimmy_13:
(Start: 112 @4718 has 27 MA's), (143, 4766), (224, 4907), (258, 4967), (304, 5105), (403, 5297), (517, 5507), (546, 5558), (582, 5630), (658, 5693), (667, 5717), (675, 5732), (705, 5792), (711, 5804), (743, 5864), (766, 5897), (797, 5930), (814, 5957), (841, 6005), (977, 6191), (995, 6212),

Gene: Slim_3 Start: 798, Stop: 2159, Start Num: 223
Candidate Starts for Slim_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (224, 804), (240, 846), (241, 852), (253, 885), (257, 891), (259, 897), (268, 936), (276, 960), (287, 978), (288, 981), (302, 1023), (310, 1044), (333, 1071), (337, 1080), (342, 1089), (344, 1092), (374, 1143), (400, 1221), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (441, 1323), (445, 1329), (495, 1398), (496, 1404), (513, 1437), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (684, 1743), (714, 1788), (766, 1860), (800, 1899), (823, 1935), (826, 1941), (842, 1965), (882, 1995), (888, 2001), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: Slimphazie_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for Slimphazie_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: Slizam_3 Start: 1113, Stop: 2573, Start Num: 106
Candidate Starts for Slizam_3:
(Start: 106 @1113 has 126 MA's), (Start: 111 @1119 has 9 MA's), (217, 1281), (222, 1290), (258, 1350), (278, 1419), (290, 1440), (305, 1491), (409, 1695), (501, 1830), (540, 1908), (546, 1923), (557, 1941), (567, 1959), (588, 2001), (605, 2034), (621, 2052), (692, 2172), (694, 2175), (699, 2187), (705, 2199), (711, 2211), (749, 2262), (785, 2319), (788, 2325), (791, 2334), (799, 2343), (801, 2346), (919, 2508), (928, 2517), (934, 2526), (955, 2565),

Gene: Smilerella_2 Start: 176, Stop: 1804, Start Num: 100
Candidate Starts for Smilerella_2:
(100, 176), (137, 224), (Start: 175 @278 has 3 MA's), (226, 380), (229, 389), (255, 422), (267, 467), (271, 479), (283, 515), (292, 527), (307, 575), (330, 620), (336, 632), (375, 686), (391, 731), (407, 782), (414, 806), (427, 833), (511, 971), (528, 1007), (556, 1067), (696, 1307), (764, 1409), (770, 1421), (815, 1475), (838, 1511), (840, 1514), (877, 1559), (900, 1589), (912, 1607), (1013, 1751), (1024, 1778),

Gene: Smooch_33 Start: 14621, Stop: 16135, Start Num: 86
Candidate Starts for Smooch_33:
(Start: 86 @14621 has 18 MA's), (Start: 88 @14624 has 18 MA's), (Start: 210 @14804 has 1 MA's), (245, 14897), (270, 14972), (283, 15005), (295, 15032), (304, 15062), (391, 15215), (394, 15221), (404, 15257), (407, 15266), (444, 15347), (450, 15356), (452, 15359), (495, 15398), (534, 15455), (550, 15491), (553, 15494), (656, 15650), (660, 15659), (692, 15728), (697, 15737), (703, 15743), (722, 15776), (745, 15812), (814, 15899), (825, 15920), (888, 15983), (891, 15986), (894, 15989), (905, 16007), (925, 16028), (952, 16070), (985, 16106), (1005, 16118),

Gene: Smurph_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Smurph_2:

(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Sneeze_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Sneeze_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Snekmaggedon_2 Start: 512, Stop: 2044, Start Num: 155
Candidate Starts for Snekmaggedon_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857, 1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Snenia_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for Snenia_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: Snuffles_4 Start: 1283, Stop: 2743, Start Num: 106
Candidate Starts for Snuffles_4:
(Start: 106 @1283 has 126 MA's), (Start: 111 @1289 has 9 MA's), (217, 1451), (222, 1460), (258, 1520), (278, 1589), (290, 1610), (305, 1661), (409, 1865), (501, 2000), (546, 2093), (557, 2111), (567, 2129), (588, 2171), (605, 2204), (621, 2222), (692, 2342), (694, 2345), (699, 2357), (705, 2369), (711, 2381), (749, 2432), (785, 2489), (788, 2495), (791, 2504), (799, 2513), (801, 2516), (919, 2678), (928, 2687), (934, 2696), (955, 2735),

Gene: SoJulia_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for SoJulia_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: SoSeph_6 Start: 1347, Stop: 2774, Start Num: 172
Candidate Starts for SoSeph_6:
(89, 1254), (Start: 172 @1347 has 22 MA's), (201, 1404), (Start: 210 @1425 has 1 MA's), (Start: 223 @1449 has 16 MA's), (255, 1533), (259, 1542), (261, 1548), (271, 1590), (277, 1608), (288, 1626), (304, 1677), (358, 1752), (391, 1830), (404, 1872), (407, 1881), (408, 1884), (444, 1962), (537, 2076),

(561, 2124), (581, 2166), (594, 2190), (601, 2202), (617, 2229), (655, 2274), (660, 2286), (741, 2433), (766, 2472), (814, 2529), (827, 2553), (842, 2577), (877, 2601), (950, 2700), (952, 2706), (1012, 2763),

Gene: Soap141_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Soap141_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Softsoap_3 Start: 689, Stop: 2317, Start Num: 127
Candidate Starts for Softsoap_3:
(Start: 127 @689 has 74 MA's), (222, 845), (275, 953), (280, 968), (309, 1037), (334, 1079), (375, 1136), (394, 1187), (395, 1190), (410, 1250), (416, 1268), (430, 1298), (447, 1328), (688, 1784), (697, 1799), (925, 2150), (952, 2198), (1026, 2306),

Gene: SoilAssassin_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for SoilAssassin_2:
(Start: 93 @318 has 51 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Solea_4 Start: 1046, Stop: 2674, Start Num: 127
Candidate Starts for Solea_4:
(Start: 39 @932 has 19 MA's), (76, 986), (Start: 127 @1046 has 74 MA's), (222, 1202), (275, 1310), (309, 1394), (318, 1418), (334, 1436), (375, 1493), (394, 1544), (395, 1547), (410, 1607), (416, 1625), (430, 1655), (447, 1685), (688, 2141), (697, 2156), (925, 2507), (952, 2555), (1026, 2663),

Gene: Solid_2 Start: 377, Stop: 1888, Start Num: 153
Candidate Starts for Solid_2:
(Start: 153 @377 has 47 MA's), (177, 416), (186, 434), (206, 461), (214, 479), (225, 506), (226, 509), (254, 557), (259, 566), (261, 572), (270, 611), (272, 617), (288, 650), (295, 668), (303, 692), (304, 698), (321, 737), (326, 746), (328, 749), (344, 788), (345, 791), (378, 860), (393, 905), (394, 908), (400, 929), (404, 944), (407, 953), (434, 1025), (446, 1043), (448, 1046), (455, 1052), (464, 1067), (504, 1133), (521, 1154), (540, 1178), (566, 1226), (605, 1292), (635, 1325), (654, 1355), (673, 1397), (717, 1475), (723, 1484), (734, 1496), (754, 1529), (768, 1550), (769, 1553), (771, 1556), (784, 1568), (816, 1598), (819, 1604), (830, 1625), (844, 1646), (860, 1667), (885, 1703), (887, 1706), (897, 1718), (951, 1796), (956, 1805), (959, 1811), (969, 1820), (1010, 1874), (1014, 1880),

Gene: Sonah_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Sonah_2:
(Start: 40 @413 has 46 MA's), (119, 524), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (702, 1622), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Soul22_3 Start: 663, Stop: 2183, Start Num: 154
Candidate Starts for Soul22_3:
(Start: 131 @651 has 3 MA's), (Start: 154 @663 has 76 MA's), (Start: 223 @789 has 16 MA's), (225, 798), (241, 843), (251, 873), (253, 876), (257, 882), (268, 927), (276, 951), (288, 972), (302, 1014),

(310, 1035), (333, 1062), (342, 1080), (344, 1083), (358, 1107), (374, 1134), (394, 1191), (404, 1227), (407, 1236), (409, 1248), (412, 1254), (420, 1269), (428, 1281), (441, 1314), (445, 1320), (467, 1356), (479, 1365), (496, 1395), (511, 1425), (513, 1428), (563, 1524), (566, 1533), (579, 1560), (633, 1644), (651, 1659), (709, 1770), (714, 1779), (722, 1788), (766, 1851), (823, 1926), (829, 1938), (842, 1956), (888, 1992), (925, 2034), (930, 2040), (952, 2082), (960, 2094), (969, 2106), (1023, 2172),

Gene: Sourignavong_5 Start: 901, Stop: 2391, Start Num: 104
Candidate Starts for Sourignavong_5:
(Start: 104 @901 has 38 MA's), (145, 946), (Start: 198 @1030 has 7 MA's), (Start: 207 @1048 has 1 MA's), (Start: 216 @1066 has 4 MA's), (220, 1075), (257, 1126), (258, 1129), (261, 1138), (267, 1168), (276, 1195), (318, 1294), (384, 1393), (393, 1417), (394, 1420), (395, 1423), (408, 1468), (549, 1702), (578, 1750), (583, 1762), (603, 1801), (615, 1819), (636, 1831), (638, 1834), (651, 1855), (655, 1861), (660, 1873), (697, 1951), (732, 2005), (767, 2059), (776, 2071), (841, 2164), (914, 2248), (950, 2305), (999, 2374),

Gene: Spartoi_2 Start: 378, Stop: 1808, Start Num: 167
Candidate Starts for Spartoi_2:
(125, 339), (134, 357), (Start: 167 @378 has 2 MA's), (208, 450), (Start: 223 @474 has 16 MA's), (238, 516), (245, 543), (263, 591), (266, 606), (288, 657), (304, 708), (310, 720), (390, 855), (395, 870), (404, 903), (407, 912), (408, 915), (426, 954), (428, 957), (561, 1152), (581, 1197), (658, 1302), (714, 1422), (745, 1464), (759, 1485), (767, 1497), (828, 1581), (834, 1596), (945, 1719), (971, 1764),

Gene: Spikelee_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Spikelee_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Splinter_7 Start: 3467, Stop: 5074, Start Num: 108
Candidate Starts for Splinter_7:
(Start: 50 @3389 has 4 MA's), (Start: 108 @3467 has 6 MA's), (259, 3695), (283, 3779), (295, 3800), (302, 3821), (375, 3959), (395, 4013), (421, 4100), (423, 4103), (436, 4133), (523, 4238), (572, 4340), (642, 4463), (682, 4550), (688, 4565), (697, 4580), (740, 4643), (787, 4712), (806, 4754), (820, 4778), (847, 4829), (848, 4832), (873, 4865), (925, 4931), (954, 4982), (1015, 5060), (1019, 5066),

Gene: Spock_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Spock_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: SpongeBob_2 Start: 509, Stop: 2044, Start Num: 152
Candidate Starts for SpongeBob_2:
(Start: 152 @509 has 34 MA's), (Start: 155 @512 has 19 MA's), (Start: 167 @527 has 2 MA's), (197, 584), (209, 602), (Start: 216 @614 has 4 MA's), (250, 686), (264, 722), (269, 743), (295, 806), (351, 926), (386, 1010), (408, 1076), (442, 1148), (444, 1151), (452, 1163), (520, 1289), (534, 1313), (566, 1376), (617, 1460), (658, 1517), (664, 1532), (701, 1607), (710, 1625), (816, 1769), (836, 1790), (857,

1823), (868, 1838), (897, 1874), (951, 1952), (952, 1955), (956, 1961),

Gene: Spooky_3 Start: 672, Stop: 2189, Start Num: 154
Candidate Starts for Spooky_3:
(132, 663), (Start: 154 @672 has 76 MA's), (218, 789), (Start: 223 @798 has 16 MA's), (225, 807), (253, 885), (259, 897), (268, 936), (276, 960), (287, 978), (288, 981), (302, 1023), (313, 1050), (333, 1071), (342, 1089), (344, 1092), (345, 1095), (358, 1116), (374, 1143), (394, 1200), (400, 1221), (409, 1257), (412, 1263), (420, 1278), (428, 1290), (445, 1329), (497, 1410), (520, 1452), (563, 1533), (566, 1542), (579, 1569), (601, 1608), (617, 1635), (640, 1656), (698, 1758), (714, 1785), (823, 1932), (829, 1944), (842, 1962), (925, 2040), (927, 2043), (930, 2046), (952, 2088), (960, 2100), (969, 2112),

Gene: Sproutie_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Sproutie_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Sputnik_3 Start: 604, Stop: 2115, Start Num: 99
Candidate Starts for Sputnik_3:
(72, 562), (Start: 99 @604 has 2 MA's), (Start: 207 @763 has 1 MA's), (231, 808), (259, 847), (261, 853), (267, 883), (271, 895), (277, 913), (318, 1009), (384, 1108), (393, 1132), (394, 1135), (408, 1183), (416, 1213), (425, 1228), (429, 1237), (432, 1246), (447, 1270), (556, 1426), (559, 1429), (583, 1477), (618, 1537), (636, 1546), (652, 1573), (674, 1624), (721, 1711), (738, 1729), (781, 1801), (821, 1843), (822, 1846), (836, 1876), (858, 1909), (861, 1912), (872, 1930),

Gene: Squiddly_4 Start: 1362, Stop: 2879, Start Num: 154
Candidate Starts for Squiddly_4:
(132, 1353), (Start: 154 @1362 has 76 MA's), (218, 1479), (Start: 223 @1488 has 16 MA's), (225, 1497), (246, 1560), (253, 1575), (259, 1587), (268, 1626), (287, 1668), (288, 1671), (302, 1713), (313, 1740), (333, 1761), (342, 1779), (344, 1782), (345, 1785), (358, 1806), (374, 1833), (394, 1890), (409, 1947), (412, 1953), (420, 1968), (428, 1980), (497, 2100), (520, 2142), (563, 2223), (566, 2232), (579, 2259), (601, 2298), (617, 2325), (640, 2346), (698, 2448), (714, 2475), (823, 2622), (829, 2634), (842, 2652), (925, 2730), (927, 2733), (930, 2736), (952, 2778), (960, 2790), (969, 2802),

Gene: Squint_10 Start: 3458, Stop: 4990, Start Num: 152
Candidate Starts for Squint_10:
(91, 3374), (Start: 122 @3416 has 2 MA's), (128, 3425), (Start: 152 @3458 has 34 MA's), (224, 3572), (246, 3635), (260, 3668), (261, 3671), (272, 3716), (302, 3791), (304, 3800), (371, 3902), (373, 3905), (386, 3941), (398, 3974), (534, 4223), (566, 4286), (578, 4313), (674, 4472), (692, 4508), (709, 4538), (714, 4547), (752, 4601), (769, 4625), (952, 4859), (959, 4871),

Gene: Squircle_3 Start: 953, Stop: 2530, Start Num: 127
Candidate Starts for Squircle_3:
(Start: 127 @953 has 74 MA's), (Start: 144 @980 has 1 MA's), (202, 1070), (222, 1109), (258, 1154), (275, 1217), (280, 1232), (305, 1295), (394, 1451), (410, 1514), (435, 1571), (436, 1574), (447, 1592), (458, 1607), (563, 1829), (595, 1892), (605, 1916), (651, 1967), (652, 1970), (657, 1979), (668, 2003), (696, 2057), (709, 2087), (749, 2135), (843, 2273), (890, 2345), (950, 2432), (959, 2450), (1018, 2522),

Gene: Squirty_3 Start: 670, Stop: 2157, Start Num: 154
Candidate Starts for Squirty_3:

(Start: 131 @658 has 3 MA's), (Start: 154 @670 has 76 MA's), (Start: 223 @796 has 16 MA's), (224, 802), (240, 844), (241, 850), (253, 883), (257, 889), (259, 895), (268, 934), (276, 958), (287, 976), (288, 979), (302, 1021), (310, 1042), (333, 1069), (337, 1078), (342, 1087), (344, 1090), (374, 1141), (394, 1198), (400, 1219), (407, 1243), (409, 1255), (420, 1276), (428, 1288), (441, 1321), (445, 1327), (495, 1396), (496, 1402), (513, 1435), (532, 1471), (563, 1531), (566, 1540), (579, 1567), (629, 1645), (684, 1741), (714, 1786), (766, 1858), (800, 1897), (823, 1933), (826, 1939), (842, 1963), (882, 1993), (888, 1999), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: StAB_2 Start: 376, Stop: 1959, Start Num: 121
Candidate Starts for StAB_2:
(Start: 118 @373 has 4 MA's), (Start: 121 @376 has 4 MA's), (Start: 127 @382 has 74 MA's), (168, 442), (224, 550), (225, 553), (257, 631), (260, 640), (322, 814), (389, 916), (393, 925), (395, 931), (396, 940), (414, 1000), (435, 1048), (436, 1051), (502, 1114), (546, 1207), (678, 1429), (686, 1447), (712, 1492), (735, 1534), (757, 1570), (766, 1585), (783, 1612), (786, 1615), (792, 1630), (809, 1663), (819, 1678), (845, 1726), (876, 1756), (891, 1774), (943, 1849), (990, 1924), (1011, 1948),

Gene: Stap_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Stap_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Starcevich_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Starcevich_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Stargaze_2 Start: 344, Stop: 1912, Start Num: 87
Candidate Starts for Stargaze_2:
(Start: 87 @344 has 20 MA's), (258, 647), (271, 698), (288, 734), (309, 794), (390, 947), (391, 953), (394, 959), (404, 995), (409, 1016), (426, 1046), (444, 1085), (450, 1094), (561, 1247), (575, 1277), (601, 1322), (602, 1325), (660, 1403), (670, 1427), (697, 1472), (745, 1553), (767, 1586), (771, 1595), (782, 1610), (797, 1616), (799, 1622), (877, 1712), (886, 1724), (888, 1727), (952, 1820), (1012, 1901),

Gene: Stem_3 Start: 1113, Stop: 2573, Start Num: 106
Candidate Starts for Stem_3:
(Start: 106 @1113 has 126 MA's), (Start: 111 @1119 has 9 MA's), (217, 1281), (222, 1290), (258, 1350), (278, 1419), (290, 1440), (305, 1491), (409, 1695), (501, 1830), (540, 1908), (546, 1923), (557, 1941), (567, 1959), (588, 2001), (605, 2034), (621, 2052), (692, 2172), (694, 2175), (699, 2187), (705, 2199), (711, 2211), (749, 2262), (785, 2319), (788, 2325), (791, 2334), (799, 2343), (801, 2346), (919, 2508), (928, 2517), (934, 2526), (955, 2565),

Gene: StevieRay_2 Start: 401, Stop: 2077, Start Num: 40
Candidate Starts for StevieRay_2:

(Start: 40 @401 has 46 MA's), (192, 617), (213, 656), (244, 713), (247, 719), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (309, 887), (314, 899), (365, 989), (440, 1178), (520, 1274), (535, 1304), (542, 1325), (616, 1466), (629, 1478), (658, 1523), (741, 1676), (745, 1685), (762, 1712), (799, 1754), (811, 1772), (862, 1856), (871, 1871), (1012, 2060),

Gene: StewieGriff_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for StewieGriff_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (220, 974), (257, 1025), (261, 1037), (267, 1067), (271, 1079), (276, 1094), (303, 1160), (324, 1205), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (415, 1391), (417, 1400), (456, 1466), (505, 1529), (513, 1541), (540, 1583), (549, 1601), (583, 1661), (615, 1718), (636, 1730), (651, 1754), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (780, 1979), (836, 2054), (841, 2063), (861, 2090), (914, 2147), (948, 2201), (999, 2273),

Gene: Stiles_2 Start: 373, Stop: 1959, Start Num: 118
Candidate Starts for Stiles_2:
(Start: 118 @373 has 4 MA's), (Start: 121 @376 has 4 MA's), (Start: 127 @382 has 74 MA's), (225, 553), (257, 631), (260, 640), (322, 814), (389, 916), (393, 925), (395, 931), (396, 940), (414, 1000), (435, 1048), (436, 1051), (502, 1114), (546, 1207), (678, 1429), (686, 1447), (712, 1492), (735, 1534), (757, 1570), (766, 1585), (783, 1612), (786, 1615), (792, 1630), (795, 1636), (809, 1663), (819, 1678), (845, 1726), (891, 1774), (943, 1849), (990, 1924), (1011, 1948),

Gene: Stinson_8 Start: 1568, Stop: 2989, Start Num: 164
Candidate Starts for Stinson_8:
(98, 1496), (Start: 156 @1556 has 11 MA's), (Start: 164 @1568 has 155 MA's), (Start: 223 @1679 has 16 MA's), (224, 1685), (255, 1763), (259, 1772), (271, 1820), (277, 1838), (288, 1856), (304, 1907), (336, 1949), (341, 1955), (358, 1982), (360, 1985), (391, 2060), (404, 2102), (407, 2111), (444, 2192), (537, 2306), (561, 2354), (566, 2366), (581, 2396), (594, 2420), (601, 2432), (606, 2447), (660, 2516), (745, 2660), (767, 2693), (814, 2747), (952, 2924), (1012, 2978),

Gene: Stoor_3 Start: 957, Stop: 2582, Start Num: 127
Candidate Starts for Stoor_3:
(Start: 127 @957 has 74 MA's), (222, 1113), (261, 1167), (275, 1221), (280, 1236), (309, 1305), (335, 1350), (375, 1404), (394, 1455), (395, 1458), (410, 1518), (416, 1536), (417, 1539), (430, 1566), (447, 1596), (523, 1758), (652, 1974), (688, 2049), (696, 2061), (925, 2415), (952, 2463),

Gene: Stormborn_2 Start: 379, Stop: 1890, Start Num: 153
Candidate Starts for Stormborn_2:
(Start: 153 @379 has 47 MA's), (186, 436), (214, 481), (225, 508), (226, 511), (254, 559), (259, 568), (261, 574), (267, 604), (270, 613), (272, 619), (288, 652), (295, 670), (303, 694), (304, 700), (321, 739), (326, 748), (328, 751), (344, 790), (345, 793), (372, 853), (378, 862), (393, 907), (394, 910), (400, 931), (404, 946), (409, 967), (434, 1027), (444, 1042), (446, 1045), (448, 1048), (504, 1135), (540, 1180), (566, 1228), (603, 1288), (605, 1294), (635, 1327), (648, 1345), (654, 1357), (717, 1477), (723, 1486), (754, 1531), (768, 1552), (769, 1555), (771, 1558), (784, 1570), (805, 1585), (816, 1600), (818, 1603), (827, 1621), (830, 1627), (885, 1705), (887, 1708), (897, 1720), (956, 1807), (972, 1828), (977, 1834), (1010, 1876), (1014, 1882),

Gene: Stratus_4 Start: 874, Stop: 2364, Start Num: 104
Candidate Starts for Stratus_4:
(Start: 104 @874 has 38 MA's), (145, 919), (Start: 207 @1021 has 1 MA's), (Start: 216 @1039 has 4 MA's), (220, 1048), (257, 1099), (258, 1102), (261, 1111), (267, 1141), (276, 1168), (318, 1267), (384, 1366), (393, 1390), (394, 1393), (395, 1396), (408, 1441), (549, 1675), (578, 1723), (583, 1735), (603, 1774), (615, 1792), (636, 1804), (638, 1807), (651, 1828), (655, 1834), (660, 1846), (697, 1924), (732,

1978), (767, 2032), (776, 2044), (813, 2089), (841, 2137), (914, 2221), (950, 2278), (999, 2347),

Gene: StressBall_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for StressBall_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (658, 1522), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: Strobilo_4 Start: 652, Stop: 2076, Start Num: 164
Candidate Starts for Strobilo_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (201, 712), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (336, 1024), (341, 1030), (358, 1057), (393, 1138), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (602, 1510), (655, 1576), (660, 1588), (680, 1630), (697, 1660), (713, 1687), (743, 1729), (751, 1744), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (1012, 2065),

Gene: Stromboli_3 Start: 957, Stop: 2582, Start Num: 127
Candidate Starts for Stromboli_3:
(Start: 127 @957 has 74 MA's), (222, 1113), (261, 1167), (275, 1221), (280, 1236), (309, 1305), (335, 1350), (375, 1404), (394, 1455), (395, 1458), (410, 1518), (416, 1536), (417, 1539), (430, 1566), (447, 1596), (523, 1758), (652, 1974), (688, 2049), (696, 2061), (925, 2415), (952, 2463),

Gene: StuartMinion_2 Start: 373, Stop: 1995, Start Num: 96
Candidate Starts for StuartMinion_2:
(Start: 81 @352 has 7 MA's), (Start: 96 @373 has 8 MA's), (Start: 198 @514 has 7 MA's), (257, 604), (261, 616), (269, 652), (275, 670), (305, 748), (375, 853), (395, 907), (396, 916), (410, 967), (419, 991), (436, 1027), (449, 1048), (481, 1123), (523, 1207), (651, 1423), (657, 1435), (670, 1462), (688, 1501), (691, 1507), (711, 1546), (747, 1585), (767, 1618), (793, 1663), (864, 1780), (890, 1816), (903, 1834), (950, 1903), (952, 1909), (964, 1930), (1010, 1981), (1012, 1984),

Gene: Stuck_2 Start: 488, Stop: 2038, Start Num: 151
Candidate Starts for Stuck_2:
(Start: 151 @488 has 1 MA's), (Start: 160 @500 has 3 MA's), (197, 566), (209, 584), (258, 677), (275, 740), (295, 785), (305, 818), (340, 881), (354, 914), (372, 950), (386, 989), (393, 1004), (404, 1043), (408, 1055), (413, 1073), (422, 1088), (442, 1127), (520, 1268), (534, 1292), (556, 1334), (631, 1454), (658, 1496), (664, 1511), (675, 1535), (715, 1610), (730, 1640), (816, 1754), (868, 1844), (897, 1880), (906, 1895), (947, 1952), (952, 1961), (956, 1967), (967, 1979), (974, 1988), (1000, 2015),

Gene: Suerte_2 Start: 318, Stop: 1877, Start Num: 93
Candidate Starts for Suerte_2:
(51, 258), (Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (407, 921), (410, 936), (493, 1071), (542, 1137), (566, 1179), (597, 1248), (601, 1254), (628, 1293), (643, 1314), (660, 1344), (668, 1365), (692, 1410), (713, 1446), (714, 1449), (742, 1491), (766, 1527), (831, 1620), (864, 1671), (939, 1776), (952, 1800), (1008, 1860),

Gene: Sulley_8 Start: 1575, Stop: 2996, Start Num: 164
Candidate Starts for Sulley_8:
(98, 1503), (Start: 156 @1563 has 11 MA's), (Start: 164 @1575 has 155 MA's), (Start: 223 @1686 has 16 MA's), (224, 1692), (255, 1770), (259, 1779), (271, 1827), (277, 1845), (304, 1914), (336, 1956), (341, 1962), (404, 2109), (407, 2118), (457, 2217), (537, 2313), (561, 2361), (566, 2373), (581, 2403),

(594, 2427), (601, 2439), (606, 2454), (660, 2523), (745, 2667), (814, 2754), (952, 2931), (1012, 2985),

Gene: Sunflower1121_6 Start: 1422, Stop: 2849, Start Num: 164
Candidate Starts for Sunflower1121_6:
(89, 1338), (Start: 164 @1422 has 155 MA's), (Start: 210 @1512 has 1 MA's), (Start: 223 @1536 has 16 MA's), (255, 1620), (259, 1629), (271, 1677), (277, 1695), (304, 1764), (335, 1803), (358, 1839), (391, 1917), (404, 1959), (407, 1968), (444, 2049), (494, 2097), (537, 2163), (558, 2205), (561, 2211), (566, 2223), (570, 2229), (581, 2253), (594, 2277), (597, 2283), (606, 2304), (660, 2373), (680, 2415), (741, 2508), (743, 2514), (745, 2517), (767, 2550), (797, 2580), (814, 2604), (842, 2652), (952, 2781), (1012, 2838), (1015, 2844),

Gene: SunnyD_2 Start: 648, Stop: 2282, Start Num: 127
Candidate Starts for SunnyD_2:
(Start: 127 @648 has 74 MA's), (185, 738), (202, 765), (275, 912), (309, 996), (335, 1041), (367, 1086), (375, 1095), (394, 1146), (410, 1209), (430, 1257), (447, 1287), (458, 1302), (491, 1383), (651, 1671), (925, 2115), (952, 2163), (1026, 2271),

Gene: Supakev_2 Start: 428, Stop: 1993, Start Num: 75
Candidate Starts for Supakev_2:
(Start: 75 @428 has 75 MA's), (Start: 196 @599 has 2 MA's), (257, 692), (260, 701), (267, 734), (275, 758), (283, 782), (305, 836), (364, 947), (375, 965), (393, 1013), (395, 1019), (410, 1079), (436, 1139), (456, 1169), (519, 1268), (615, 1442), (623, 1451), (657, 1487), (660, 1493), (677, 1529), (696, 1565), (742, 1634), (747, 1637), (749, 1643), (845, 1784), (925, 1859), (973, 1940), (1010, 1979),

Gene: Supernova_2 Start: 373, Stop: 1884, Start Num: 153
Candidate Starts for Supernova_2:
(Start: 153 @373 has 47 MA's), (177, 412), (186, 430), (206, 457), (214, 475), (225, 502), (226, 505), (241, 523), (254, 553), (259, 562), (267, 598), (270, 607), (272, 613), (288, 646), (295, 664), (303, 688), (304, 694), (321, 733), (326, 742), (328, 745), (344, 784), (345, 787), (378, 856), (393, 901), (394, 904), (400, 925), (404, 940), (407, 949), (409, 961), (426, 1000), (434, 1021), (444, 1036), (446, 1039), (448, 1042), (464, 1063), (504, 1129), (521, 1150), (546, 1186), (556, 1201), (566, 1222), (605, 1288), (635, 1321), (648, 1339), (673, 1393), (717, 1471), (723, 1480), (734, 1492), (738, 1498), (754, 1525), (768, 1546), (769, 1549), (771, 1552), (784, 1564), (816, 1594), (818, 1597), (827, 1615), (830, 1621), (844, 1642), (860, 1663), (885, 1699), (887, 1702), (897, 1714), (904, 1726), (951, 1792), (956, 1801), (959, 1807), (977, 1828), (1010, 1870), (1014, 1876),

Gene: Superphikiman_10 Start: 3708, Stop: 5240, Start Num: 152
Candidate Starts for Superphikiman_10:
(Start: 122 @3666 has 2 MA's), (128, 3675), (Start: 152 @3708 has 34 MA's), (224, 3822), (246, 3885), (260, 3918), (272, 3966), (302, 4041), (317, 4077), (371, 4152), (373, 4155), (386, 4191), (398, 4224), (534, 4473), (566, 4536), (578, 4563), (674, 4722), (692, 4758), (709, 4788), (714, 4797), (752, 4851), (769, 4875), (952, 5109), (959, 5121),

Gene: Suppi_5 Start: 3104, Stop: 4672, Start Num: 75
Candidate Starts for Suppi_5:
(Start: 75 @3104 has 75 MA's), (202, 3290), (217, 3320), (257, 3371), (261, 3383), (267, 3413), (272, 3428), (283, 3461), (334, 3563), (375, 3644), (393, 3692), (410, 3758), (430, 3806), (435, 3815), (438, 3821), (473, 3890), (499, 3917), (519, 3947), (538, 3986), (657, 4166), (691, 4238), (709, 4274), (780, 4370), (831, 4436), (869, 4466), (873, 4472), (925, 4538), (1010, 4658),

Gene: Sweets_2 Start: 458, Stop: 1891, Start Num: 175
Candidate Starts for Sweets_2:

(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Swenson_4 Start: 923, Stop: 2413, Start Num: 104
Candidate Starts for Swenson_4:
(Start: 104 @923 has 38 MA's), (145, 968), (Start: 207 @1070 has 1 MA's), (220, 1097), (257, 1148), (261, 1160), (267, 1190), (271, 1202), (276, 1217), (303, 1283), (324, 1328), (384, 1415), (393, 1439), (394, 1442), (395, 1445), (408, 1490), (415, 1514), (417, 1523), (456, 1589), (505, 1652), (513, 1664), (540, 1706), (549, 1724), (583, 1784), (615, 1841), (636, 1853), (651, 1877), (660, 1895), (697, 1973), (732, 2027), (767, 2081), (776, 2093), (780, 2102), (836, 2177), (841, 2186), (861, 2213), (914, 2270), (948, 2324), (999, 2396),

Gene: Swervy_3 Start: 676, Stop: 2304, Start Num: 127
Candidate Starts for Swervy_3:
(Start: 127 @676 has 74 MA's), (222, 832), (275, 940), (309, 1024), (318, 1048), (375, 1123), (394, 1174), (395, 1177), (410, 1237), (416, 1255), (430, 1285), (447, 1315), (688, 1771), (697, 1786), (925, 2137), (1026, 2293),

Gene: Syleon_13 Start: 5040, Stop: 6515, Start Num: 153
Candidate Starts for Syleon_13:
(Start: 153 @5040 has 47 MA's), (231, 5187), (257, 5226), (261, 5238), (303, 5361), (304, 5367), (347, 5448), (372, 5502), (374, 5505), (395, 5562), (407, 5604), (409, 5616), (422, 5640), (433, 5664), (460, 5706), (566, 5886), (590, 5928), (655, 6009), (675, 6054), (687, 6078), (709, 6123), (747, 6183), (801, 6246), (806, 6252), (848, 6324), (865, 6342), (877, 6360), (967, 6459), (980, 6477), (1003, 6507),

Gene: Syra333_7 Start: 1527, Stop: 2954, Start Num: 164
Candidate Starts for Syra333_7:
(Start: 164 @1527 has 155 MA's), (Start: 210 @1617 has 1 MA's), (Start: 223 @1641 has 16 MA's), (224, 1647), (255, 1725), (259, 1734), (271, 1782), (277, 1800), (304, 1869), (335, 1908), (358, 1944), (360, 1947), (391, 2022), (404, 2064), (407, 2073), (444, 2154), (494, 2202), (537, 2268), (558, 2310), (561, 2316), (566, 2328), (570, 2334), (581, 2358), (597, 2388), (606, 2409), (660, 2478), (680, 2520), (741, 2613), (745, 2622), (767, 2655), (797, 2685), (814, 2709), (842, 2757), (952, 2886), (1012, 2943), (1015, 2949),

Gene: TBond007_7 Start: 1226, Stop: 2662, Start Num: 156
Candidate Starts for TBond007_7:
(Start: 156 @1226 has 11 MA's), (Start: 164 @1238 has 155 MA's), (Start: 210 @1325 has 1 MA's), (Start: 223 @1349 has 16 MA's), (255, 1433), (259, 1442), (277, 1508), (288, 1526), (304, 1577), (336, 1619), (341, 1625), (358, 1652), (404, 1772), (407, 1781), (444, 1862), (457, 1880), (537, 1976), (561, 2024), (566, 2036), (581, 2066), (594, 2090), (601, 2102), (660, 2186), (680, 2228), (684, 2240), (743, 2327), (745, 2330), (771, 2372), (782, 2387), (797, 2393), (812, 2414), (814, 2417), (952, 2594), (1015, 2657),

Gene: TClif_7 Start: 1462, Stop: 2889, Start Num: 164
Candidate Starts for TClif_7:
(89, 1378), (Start: 156 @1450 has 11 MA's), (Start: 164 @1462 has 155 MA's), (Start: 210 @1552 has 1 MA's), (Start: 223 @1576 has 16 MA's), (255, 1660), (259, 1669), (271, 1717), (277, 1735), (288, 1753), (304, 1804), (335, 1843), (341, 1852), (358, 1879), (391, 1957), (404, 1999), (407, 2008), (444, 2089), (494, 2137), (537, 2203), (558, 2245), (561, 2251), (581, 2293), (606, 2344), (660, 2413), (680, 2455), (697, 2485), (743, 2554), (745, 2557), (767, 2590), (771, 2599), (814, 2644), (842, 2692), (952,

2821), (1012, 2878), (1015, 2884),

Gene: TM4_4 Start: 664, Stop: 2088, Start Num: 164
Candidate Starts for TM4_4:
(89, 586), (98, 598), (105, 607), (Start: 164 @664 has 155 MA's), (201, 727), (Start: 210 @748 has 1 MA's), (222, 769), (255, 853), (259, 862), (271, 910), (288, 946), (304, 997), (336, 1039), (341, 1045), (358, 1072), (404, 1192), (407, 1201), (408, 1204), (444, 1282), (450, 1291), (452, 1294), (537, 1396), (561, 1444), (566, 1456), (581, 1486), (594, 1510), (602, 1525), (660, 1603), (680, 1645), (697, 1675), (743, 1744), (751, 1759), (797, 1810), (814, 1834), (842, 1882), (950, 2005), (952, 2011), (1012, 2077), (1015, 2083),

Gene: TMaxx_4 Start: 1204, Stop: 2733, Start Num: 128
Candidate Starts for TMaxx_4:
(128, 1204), (174, 1249), (199, 1288), (314, 1558), (407, 1789), (409, 1801), (433, 1858), (502, 1978), (522, 2014), (532, 2035), (566, 2101), (567, 2107), (689, 2302), (752, 2398), (867, 2533),

Gene: TZGordon_9 Start: 3612, Stop: 5219, Start Num: 108
Candidate Starts for TZGordon_9:
(Start: 50 @3534 has 4 MA's), (Start: 108 @3612 has 6 MA's), (259, 3840), (269, 3882), (283, 3924), (295, 3945), (302, 3966), (375, 4104), (395, 4158), (419, 4242), (421, 4245), (423, 4248), (436, 4278), (572, 4485), (642, 4608), (682, 4695), (688, 4710), (697, 4725), (740, 4788), (780, 4848), (787, 4857), (806, 4899), (847, 4974), (848, 4977), (873, 5010), (925, 5076), (954, 5127), (1015, 5205), (1019, 5211),

Gene: Tachez_8 Start: 1556, Stop: 2980, Start Num: 164
Candidate Starts for Tachez_8:
(98, 1484), (Start: 156 @1544 has 11 MA's), (Start: 164 @1556 has 155 MA's), (Start: 223 @1667 has 16 MA's), (224, 1673), (255, 1751), (259, 1760), (271, 1808), (277, 1826), (304, 1895), (336, 1937), (341, 1943), (358, 1970), (360, 1973), (404, 2090), (407, 2099), (444, 2180), (537, 2294), (561, 2342), (566, 2354), (581, 2384), (594, 2408), (601, 2420), (658, 2498), (660, 2504), (745, 2651), (767, 2684), (814, 2738), (952, 2915), (1012, 2969),

Gene: Taheera_2 Start: 459, Stop: 1895, Start Num: 173
Candidate Starts for Taheera_2:
(37, 291), (Start: 87 @363 has 20 MA's), (Start: 173 @459 has 42 MA's), (Start: 175 @462 has 3 MA's), (Start: 191 @498 has 1 MA's), (Start: 210 @537 has 1 MA's), (271, 699), (304, 786), (309, 795), (316, 810), (335, 825), (404, 981), (409, 1002), (420, 1023), (444, 1071), (450, 1080), (561, 1233), (575, 1263), (591, 1293), (660, 1389), (742, 1533), (768, 1575), (799, 1608), (814, 1626), (825, 1647), (872, 1692), (886, 1710), (888, 1713), (952, 1806),

Gene: TaiwanKao_8 Start: 1562, Stop: 2986, Start Num: 164
Candidate Starts for TaiwanKao_8:
(98, 1490), (Start: 156 @1550 has 11 MA's), (Start: 164 @1562 has 155 MA's), (Start: 223 @1673 has 16 MA's), (224, 1679), (255, 1757), (259, 1766), (271, 1814), (277, 1832), (304, 1901), (336, 1943), (341, 1949), (358, 1976), (360, 1979), (404, 2096), (407, 2105), (444, 2186), (537, 2300), (561, 2348), (566, 2360), (581, 2390), (594, 2414), (601, 2426), (660, 2510), (745, 2657), (767, 2690), (814, 2744), (952, 2921), (1012, 2975),

Gene: Taj14_4 Start: 778, Stop: 2268, Start Num: 104
Candidate Starts for Taj14_4:
(Start: 104 @778 has 38 MA's), (145, 823), (Start: 207 @925 has 1 MA's), (220, 952), (257, 1003), (261, 1015), (267, 1045), (271, 1057), (276, 1072), (303, 1138), (324, 1183), (384, 1270), (393, 1294), (394, 1297), (395, 1300), (408, 1345), (415, 1369), (417, 1378), (505, 1507), (513, 1519), (549, 1579),

(583, 1639), (615, 1696), (636, 1708), (660, 1750), (697, 1828), (732, 1882), (776, 1948), (780, 1957), (809, 1987), (836, 2032), (841, 2041), (861, 2068), (914, 2125), (948, 2179), (999, 2251),

Gene: Tapioca_2 Start: 504, Stop: 2036, Start Num: 155
Candidate Starts for Tapioca_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Taquito_7 Start: 2076, Stop: 3521, Start Num: 164
Candidate Starts for Taquito_7:
(Start: 164 @2076 has 155 MA's), (Start: 223 @2181 has 16 MA's), (255, 2265), (259, 2274), (267, 2310), (271, 2322), (276, 2337), (288, 2364), (304, 2415), (313, 2433), (341, 2463), (358, 2490), (391, 2568), (407, 2619), (408, 2622), (444, 2700), (450, 2709), (494, 2748), (537, 2814), (561, 2862), (581, 2904), (660, 3021), (678, 3063), (697, 3108), (743, 3177), (771, 3222), (797, 3243), (814, 3267), (952, 3444), (1012, 3510), (1015, 3516),

Gene: TaronosaurasRx_2 Start: 522, Stop: 2171, Start Num: 82
Candidate Starts for TaronosaurasRx_2:
(Start: 82 @522 has 6 MA's), (103, 552), (221, 723), (261, 807), (304, 933), (309, 942), (344, 1008), (363, 1056), (410, 1191), (542, 1392), (566, 1434), (578, 1467), (628, 1548), (637, 1566), (643, 1569), (714, 1713), (722, 1722), (741, 1755), (743, 1761), (778, 1815), (799, 1833), (811, 1851), (854, 1923), (878, 1959), (921, 2013), (939, 2040), (954, 2073), (984, 2124),

Gene: Tarzan_2 Start: 511, Stop: 2100, Start Num: 110
Candidate Starts for Tarzan_2:
(Start: 110 @511 has 8 MA's), (202, 646), (204, 652), (259, 733), (267, 769), (283, 817), (309, 877), (334, 919), (335, 922), (346, 946), (347, 949), (375, 976), (396, 1039), (417, 1111), (432, 1141), (435, 1147), (436, 1150), (438, 1153), (572, 1417), (579, 1432), (581, 1435), (589, 1447), (634, 1507), (660, 1552), (668, 1570), (685, 1609), (754, 1702), (767, 1723), (773, 1732), (820, 1816), (837, 1852), (890, 1924), (952, 2017), (963, 2035), (1012, 2089),

Gene: TattModd_5 Start: 3127, Stop: 4692, Start Num: 75
Candidate Starts for TattModd_5:
(Start: 75 @3127 has 75 MA's), (Start: 216 @3337 has 4 MA's), (257, 3391), (272, 3448), (275, 3457), (387, 3697), (393, 3712), (395, 3718), (410, 3778), (436, 3838), (499, 3937), (519, 3967), (526, 3982), (572, 4063), (615, 4141), (623, 4150), (657, 4186), (676, 4225), (691, 4258), (697, 4267), (709, 4294), (754, 4348), (780, 4390), (820, 4435), (831, 4456), (843, 4480), (925, 4558), (1010, 4678),

Gene: TaylorSipht_3 Start: 775, Stop: 2355, Start Num: 135
Candidate Starts for TaylorSipht_3:
(Start: 81 @709 has 7 MA's), (Start: 135 @775 has 10 MA's), (161, 811), (Start: 198 @871 has 7 MA's), (202, 880), (217, 910), (258, 964), (270, 1012), (275, 1027), (283, 1051), (301, 1090), (375, 1210), (395, 1264), (396, 1273), (410, 1324), (415, 1336), (419, 1348), (436, 1384), (449, 1405), (474, 1465), (481, 1483), (488, 1495), (491, 1504), (523, 1567), (579, 1681), (581, 1684), (651, 1783), (657, 1795), (688, 1861), (697, 1876), (711, 1906), (747, 1945), (751, 1954), (903, 2194), (950, 2263), (952, 2269), (976, 2305), (1012, 2344),

Gene: Tchotchke_3 Start: 672, Stop: 2159, Start Num: 154
Candidate Starts for Tchotchke_3:

(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (224, 804), (240, 846), (251, 882), (253, 885), (257, 891), (259, 897), (268, 936), (271, 945), (288, 981), (302, 1023), (333, 1071), (342, 1089), (344, 1092), (374, 1143), (394, 1200), (400, 1221), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (441, 1323), (445, 1329), (495, 1398), (496, 1404), (513, 1437), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (684, 1743), (714, 1788), (766, 1860), (800, 1899), (823, 1935), (826, 1941), (842, 1965), (882, 1995), (888, 2001), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: Teagster_2 Start: 651, Stop: 2285, Start Num: 127
Candidate Starts for Teagster_2:
(Start: 127 @651 has 74 MA's), (185, 741), (202, 768), (275, 915), (309, 999), (335, 1044), (367, 1089), (375, 1098), (394, 1149), (410, 1212), (430, 1260), (447, 1290), (458, 1305), (491, 1386), (651, 1674), (925, 2118), (952, 2166), (1026, 2274),

Gene: Techage_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Techage_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (269, 797), (272, 806), (275, 815), (277, 821), (279, 824), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (542, 1337), (616, 1478), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: TeddyBoy_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for TeddyBoy_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Teejan_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for Teejan_4:
(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341, 1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: TelAviv_28 Start: 13071, Stop: 14585, Start Num: 86
Candidate Starts for TelAviv_28:
(Start: 86 @13071 has 18 MA's), (Start: 88 @13074 has 18 MA's), (Start: 210 @13254 has 1 MA's), (245, 13347), (270, 13422), (283, 13455), (295, 13482), (304, 13512), (391, 13665), (394, 13671), (404, 13707), (407, 13716), (444, 13797), (450, 13806), (452, 13809), (495, 13848), (534, 13905), (550, 13941), (553, 13944), (656, 14100), (660, 14109), (692, 14178), (697, 14187), (703, 14193), (722, 14226), (745, 14262), (814, 14349), (825, 14370), (888, 14433), (891, 14436), (894, 14439), (905, 14457), (925, 14478), (952, 14520), (985, 14556), (1005, 14568),

Gene: Temper16_2 Start: 428, Stop: 1993, Start Num: 75
Candidate Starts for Temper16_2:
(Start: 75 @428 has 75 MA's), (Start: 196 @599 has 2 MA's), (257, 692), (260, 701), (267, 734), (272, 749), (275, 758), (283, 782), (305, 836), (364, 947), (393, 1013), (395, 1019), (410, 1079), (436, 1139), (456, 1169), (519, 1268), (615, 1442), (623, 1451), (657, 1487), (660, 1493), (677, 1529), (696, 1565), (711, 1598), (747, 1637), (749, 1643), (845, 1784), (925, 1859), (973, 1940), (1010, 1979),

Gene: Terror_2 Start: 459, Stop: 1895, Start Num: 173
Candidate Starts for Terror_2:
(37, 291), (Start: 87 @363 has 20 MA's), (Start: 173 @459 has 42 MA's), (Start: 175 @462 has 3 MA's), (Start: 191 @498 has 1 MA's), (Start: 210 @537 has 1 MA's), (271, 699), (304, 786), (309, 795), (316, 810), (335, 825), (404, 981), (409, 1002), (420, 1023), (444, 1071), (450, 1080), (561, 1233), (575, 1263), (591, 1293), (660, 1389), (742, 1533), (768, 1575), (799, 1608), (814, 1626), (825, 1647), (872, 1692), (886, 1710), (888, 1713), (952, 1806),

Gene: Thespis_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for Thespis_2:
(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (247, 718), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: Thimann_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for Thimann_3:
(51, 760), (Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (310, 1228), (372, 1318), (374, 1321), (386, 1357), (404, 1414), (410, 1438), (459, 1522), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: ThulaThula_2 Start: 401, Stop: 2080, Start Num: 40
Candidate Starts for ThulaThula_2:
(9, 191), (12, 239), (Start: 40 @401 has 46 MA's), (159, 563), (186, 608), (192, 617), (213, 656), (244, 713), (247, 719), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (305, 881), (309, 887), (314, 899), (365, 989), (440, 1178), (535, 1304), (616, 1466), (629, 1478), (658, 1523), (670, 1553), (714, 1634), (745, 1685), (799, 1754), (811, 1772), (862, 1856), (864, 1859), (871, 1871), (1012, 2063),

Gene: Thyatira_6 Start: 1325, Stop: 2752, Start Num: 172
Candidate Starts for Thyatira_6:
(Start: 172 @1325 has 22 MA's), (201, 1382), (Start: 210 @1403 has 1 MA's), (Start: 223 @1427 has 16 MA's), (255, 1511), (259, 1520), (261, 1526), (271, 1568), (277, 1586), (288, 1604), (304, 1655), (311, 1670), (358, 1730), (391, 1808), (404, 1850), (407, 1859), (408, 1862), (444, 1940), (537, 2054), (561, 2102), (581, 2144), (594, 2168), (601, 2180), (617, 2207), (655, 2252), (660, 2264), (741, 2411), (766, 2450), (814, 2507), (827, 2531), (842, 2555), (877, 2579), (950, 2678), (952, 2684), (1012, 2741),

Gene: Tierra_7 Start: 1517, Stop: 2944, Start Num: 164
Candidate Starts for Tierra_7:
(Start: 164 @1517 has 155 MA's), (Start: 210 @1607 has 1 MA's), (Start: 223 @1631 has 16 MA's), (224, 1637), (255, 1715), (259, 1724), (271, 1772), (277, 1790), (304, 1859), (341, 1907), (358, 1934), (391, 2012), (404, 2054), (407, 2063), (444, 2144), (494, 2192), (537, 2258), (558, 2300), (561, 2306), (566, 2318), (570, 2324), (581, 2348), (597, 2378), (606, 2399), (660, 2468), (680, 2510), (741, 2603), (743, 2609), (745, 2612), (767, 2645), (797, 2675), (814, 2699), (842, 2747), (952, 2876), (1012, 2933), (1015, 2939),

Gene: TimoTea_3 Start: 1062, Stop: 2522, Start Num: 106
Candidate Starts for TimoTea_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (540, 1857), (546, 1872), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (749, 2211), (788, 2274), (799,

2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: TinaBug_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for TinaBug_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: TinaLin_10 Start: 4153, Stop: 5841, Start Num: 50
Candidate Starts for TinaLin_10:
(Start: 50 @4153 has 4 MA's), (Start: 106 @4231 has 126 MA's), (224, 4423), (269, 4504), (290, 4549), (295, 4567), (302, 4588), (314, 4618), (338, 4657), (375, 4726), (395, 4780), (419, 4864), (421, 4867), (423, 4870), (435, 4897), (436, 4900), (523, 5005), (579, 5122), (588, 5137), (642, 5230), (647, 5236), (658, 5260), (675, 5302), (682, 5317), (697, 5347), (703, 5359), (740, 5410), (749, 5422), (780, 5470), (787, 5479), (820, 5545), (848, 5599), (873, 5632), (954, 5749), (968, 5767), (976, 5779), (1015, 5827), (1019, 5833),

Gene: TingHuaYa_8 Start: 1618, Stop: 3042, Start Num: 164
Candidate Starts for TingHuaYa_8:
(89, 1534), (Start: 164 @1618 has 155 MA's), (Start: 210 @1705 has 1 MA's), (Start: 223 @1729 has 16 MA's), (224, 1735), (239, 1774), (255, 1813), (259, 1822), (261, 1828), (271, 1870), (277, 1888), (304, 1957), (335, 1996), (341, 2005), (358, 2032), (360, 2035), (404, 2152), (407, 2161), (494, 2290), (537, 2356), (561, 2404), (566, 2416), (581, 2446), (594, 2470), (660, 2566), (743, 2707), (745, 2710), (767, 2743), (797, 2773), (814, 2797), (891, 2884), (952, 2974), (1012, 3031), (1015, 3037),

Gene: TiniBug_8 Start: 1566, Stop: 2987, Start Num: 164
Candidate Starts for TiniBug_8:
(98, 1494), (Start: 127 @1533 has 74 MA's), (Start: 156 @1554 has 11 MA's), (Start: 164 @1566 has 155 MA's), (Start: 223 @1677 has 16 MA's), (224, 1683), (255, 1761), (259, 1770), (271, 1818), (277, 1836), (304, 1905), (336, 1947), (341, 1953), (358, 1980), (360, 1983), (374, 2007), (404, 2100), (407, 2109), (444, 2190), (457, 2208), (537, 2304), (561, 2352), (566, 2364), (581, 2394), (594, 2418), (601, 2430), (658, 2508), (660, 2514), (745, 2658), (767, 2691), (814, 2745), (952, 2922), (1012, 2976),

Gene: TinoCrisci_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for TinoCrisci_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: TinyTruffula_3 Start: 1179, Stop: 2639, Start Num: 106
Candidate Starts for TinyTruffula_3:
(Start: 106 @1179 has 126 MA's), (Start: 111 @1185 has 9 MA's), (217, 1347), (222, 1356), (258, 1416), (278, 1485), (290, 1506), (305, 1557), (409, 1761), (501, 1896), (540, 1974), (546, 1989), (557, 2007), (567, 2025), (588, 2067), (605, 2100), (621, 2118), (692, 2238), (694, 2241), (699, 2253), (705, 2265), (711, 2277), (749, 2328), (785, 2385), (788, 2391), (791, 2400), (799, 2409), (801, 2412), (919, 2574), (928, 2583), (934, 2592), (955, 2631),

Gene: Tiri_8 Start: 1604, Stop: 3025, Start Num: 164
Candidate Starts for Tiri_8:

(98, 1532), (Start: 156 @1592 has 11 MA's), (Start: 164 @1604 has 155 MA's), (Start: 223 @1715 has 16 MA's), (224, 1721), (255, 1799), (259, 1808), (271, 1856), (277, 1874), (304, 1943), (336, 1985), (341, 1991), (358, 2018), (360, 2021), (404, 2138), (407, 2147), (444, 2228), (537, 2342), (561, 2390), (566, 2402), (581, 2432), (594, 2456), (601, 2468), (658, 2546), (660, 2552), (745, 2696), (767, 2729), (814, 2783), (952, 2960), (1012, 3014),

Gene: Toad24_4 Start: 958, Stop: 2538, Start Num: 135
Candidate Starts for Toad24_4:
(Start: 81 @892 has 7 MA's), (Start: 135 @958 has 10 MA's), (Start: 198 @1054 has 7 MA's), (202, 1063), (Start: 207 @1072 has 1 MA's), (226, 1117), (257, 1144), (261, 1156), (270, 1195), (275, 1210), (283, 1234), (295, 1255), (396, 1456), (410, 1507), (436, 1567), (449, 1588), (474, 1648), (488, 1678), (491, 1687), (523, 1750), (691, 2050), (697, 2059), (711, 2089), (747, 2128), (793, 2206), (810, 2236), (825, 2263), (950, 2446), (952, 2452), (964, 2473), (1012, 2527),

Gene: Toast_2 Start: 378, Stop: 1928, Start Num: 127
Candidate Starts for Toast_2:
(Start: 104 @348 has 38 MA's), (109, 354), (Start: 113 @360 has 34 MA's), (Start: 116 @363 has 12 MA's), (Start: 127 @378 has 74 MA's), (176, 441), (Start: 196 @477 has 2 MA's), (205, 492), (211, 504), (221, 519), (234, 552), (247, 573), (258, 594), (267, 633), (275, 657), (288, 693), (304, 741), (325, 783), (335, 795), (393, 900), (441, 1020), (451, 1035), (520, 1113), (537, 1146), (542, 1164), (628, 1320), (655, 1359), (689, 1431), (717, 1479), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (811, 1614), (862, 1701), (892, 1743), (931, 1794), (1012, 1911), (1015, 1917),

Gene: TomBrady_2 Start: 459, Stop: 1892, Start Num: 175
Candidate Starts for TomBrady_2:
(Start: 87 @360 has 20 MA's), (Start: 173 @456 has 42 MA's), (Start: 175 @459 has 3 MA's), (Start: 191 @495 has 1 MA's), (Start: 210 @534 has 1 MA's), (271, 696), (304, 783), (309, 792), (317, 810), (335, 822), (394, 942), (404, 978), (409, 999), (420, 1020), (444, 1068), (450, 1077), (561, 1230), (591, 1290), (602, 1308), (645, 1359), (660, 1386), (666, 1401), (667, 1404), (714, 1485), (742, 1530), (799, 1605), (814, 1623), (825, 1644), (872, 1689), (886, 1707), (888, 1710), (952, 1803), (1014, 1884),

Gene: TomBrady12_3 Start: 1113, Stop: 2573, Start Num: 106
Candidate Starts for TomBrady12_3:
(Start: 106 @1113 has 126 MA's), (Start: 111 @1119 has 9 MA's), (217, 1281), (222, 1290), (258, 1350), (278, 1419), (290, 1440), (305, 1491), (409, 1695), (501, 1830), (540, 1908), (546, 1923), (557, 1941), (567, 1959), (588, 2001), (605, 2034), (621, 2052), (692, 2172), (694, 2175), (699, 2187), (705, 2199), (711, 2211), (749, 2262), (785, 2319), (788, 2325), (791, 2334), (799, 2343), (801, 2346), (919, 2508), (928, 2517), (934, 2526), (955, 2565),

Gene: TootsiePop_3 Start: 674, Stop: 2161, Start Num: 154
Candidate Starts for TootsiePop_3:
(Start: 131 @662 has 3 MA's), (Start: 154 @674 has 76 MA's), (Start: 223 @800 has 16 MA's), (224, 806), (240, 848), (241, 854), (253, 887), (257, 893), (259, 899), (268, 938), (276, 962), (287, 980), (288, 983), (302, 1025), (333, 1073), (337, 1082), (342, 1091), (344, 1094), (374, 1145), (400, 1223), (407, 1247), (409, 1259), (420, 1280), (428, 1292), (441, 1325), (445, 1331), (495, 1400), (496, 1406), (513, 1439), (532, 1475), (563, 1535), (566, 1544), (579, 1571), (629, 1649), (684, 1745), (714, 1790), (766, 1862), (800, 1901), (823, 1937), (826, 1943), (842, 1967), (882, 1997), (888, 2003), (925, 2045), (927, 2048), (930, 2051), (952, 2093), (960, 2105), (969, 2117),

Gene: Tootsieroll_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Tootsieroll_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288,

980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (374, 1142), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Topper_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Topper_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Torres_4 Start: 847, Stop: 2271, Start Num: 164
Candidate Starts for Torres_4:
(Start: 156 @835 has 11 MA's), (Start: 164 @847 has 155 MA's), (201, 913), (Start: 223 @958 has 16 MA's), (239, 1003), (255, 1042), (259, 1051), (271, 1099), (277, 1117), (288, 1135), (304, 1186), (341, 1234), (358, 1261), (404, 1381), (407, 1390), (422, 1426), (424, 1429), (444, 1471), (457, 1489), (537, 1585), (558, 1627), (561, 1633), (566, 1645), (581, 1675), (584, 1681), (594, 1699), (606, 1726), (660, 1795), (697, 1867), (745, 1939), (767, 1972), (771, 1981), (799, 2008), (814, 2026), (952, 2203), (1012, 2260), (1015, 2266),

Gene: Tortellini_2 Start: 401, Stop: 2080, Start Num: 40
Candidate Starts for Tortellini_2:
(Start: 40 @401 has 46 MA's), (Start: 107 @494 has 1 MA's), (119, 512), (Start: 131 @527 has 3 MA's), (182, 602), (186, 608), (192, 617), (213, 656), (244, 713), (256, 737), (268, 782), (272, 794), (275, 803), (277, 809), (301, 866), (305, 881), (309, 887), (365, 989), (433, 1169), (440, 1178), (520, 1274), (535, 1304), (542, 1325), (616, 1466), (629, 1478), (658, 1523), (670, 1553), (696, 1601), (714, 1634), (729, 1658), (741, 1676), (745, 1685), (762, 1712), (799, 1754), (811, 1772), (871, 1871), (1012, 2063),

Gene: Tortoise12_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Tortoise12_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Totinger_3 Start: 672, Stop: 2159, Start Num: 154
Candidate Starts for Totinger_3:
(Start: 131 @660 has 3 MA's), (Start: 154 @672 has 76 MA's), (Start: 223 @798 has 16 MA's), (224, 804), (240, 846), (241, 852), (253, 885), (257, 891), (259, 897), (268, 936), (276, 960), (287, 978), (288, 981), (302, 1023), (310, 1044), (333, 1071), (337, 1080), (342, 1089), (344, 1092), (374, 1143), (400, 1221), (407, 1245), (409, 1257), (420, 1278), (428, 1290), (441, 1323), (445, 1329), (495, 1398), (496, 1404), (513, 1437), (532, 1473), (563, 1533), (566, 1542), (579, 1569), (629, 1647), (684, 1743), (714, 1788), (766, 1860), (800, 1899), (823, 1935), (826, 1941), (842, 1965), (882, 1995), (888, 2001), (925, 2043), (927, 2046), (930, 2049), (952, 2091), (960, 2103), (969, 2115),

Gene: Toulouse_3 Start: 596, Stop: 2086, Start Num: 104
Candidate Starts for Toulouse_3:

(Start: 104 @596 has 38 MA's), (145, 641), (Start: 207 @743 has 1 MA's), (Start: 216 @761 has 4 MA's), (220, 770), (257, 821), (258, 824), (261, 833), (267, 863), (276, 890), (318, 989), (384, 1088), (393, 1112), (394, 1115), (395, 1118), (408, 1163), (499, 1313), (549, 1397), (578, 1445), (583, 1457), (603, 1496), (615, 1514), (636, 1526), (638, 1529), (651, 1550), (655, 1556), (660, 1568), (697, 1646), (732, 1700), (767, 1754), (776, 1766), (841, 1859), (914, 1943), (950, 2000), (999, 2069),

Gene: Tourach_4 Start: 1085, Stop: 2653, Start Num: 84
Candidate Starts for Tourach_4:
(Start: 84 @1085 has 63 MA's), (Start: 88 @1091 has 18 MA's), (Start: 95 @1100 has 6 MA's), (190, 1247), (245, 1349), (277, 1439), (300, 1490), (321, 1544), (391, 1682), (394, 1688), (400, 1709), (442, 1808), (517, 1934), (529, 1955), (542, 1979), (546, 1985), (564, 2015), (566, 2021), (582, 2057), (642, 2114), (658, 2141), (660, 2147), (698, 2225), (717, 2261), (747, 2306), (799, 2372), (845, 2447), (865, 2474), (995, 2621), (1012, 2645), (1014, 2648),

Gene: Trackstar_3 Start: 1179, Stop: 2639, Start Num: 106
Candidate Starts for Trackstar_3:
(Start: 106 @1179 has 126 MA's), (Start: 111 @1185 has 9 MA's), (217, 1347), (222, 1356), (258, 1416), (278, 1485), (290, 1506), (305, 1557), (409, 1761), (501, 1896), (540, 1974), (546, 1989), (557, 2007), (567, 2025), (588, 2067), (605, 2100), (621, 2118), (692, 2238), (694, 2241), (699, 2253), (705, 2265), (711, 2277), (749, 2328), (785, 2385), (788, 2391), (791, 2400), (799, 2409), (801, 2412), (919, 2574), (928, 2583), (934, 2592), (955, 2631),

Gene: Trax_12 Start: 4818, Stop: 6263, Start Num: 153
Candidate Starts for Trax_12:
(Start: 153 @4818 has 47 MA's), (257, 5004), (290, 5097), (320, 5178), (331, 5190), (347, 5223), (361, 5229), (372, 5247), (378, 5256), (404, 5340), (407, 5349), (433, 5409), (444, 5427), (517, 5547), (533, 5574), (571, 5643), (590, 5673), (647, 5739), (697, 5844), (709, 5871), (747, 5931), (767, 5955), (801, 5994), (839, 6057), (877, 6108), (937, 6165),

Gene: TreyKay_8 Start: 1562, Stop: 2983, Start Num: 164
Candidate Starts for TreyKay_8:
(98, 1490), (Start: 156 @1550 has 11 MA's), (Start: 164 @1562 has 155 MA's), (Start: 223 @1673 has 16 MA's), (224, 1679), (255, 1757), (259, 1766), (271, 1814), (277, 1832), (304, 1901), (336, 1943), (341, 1949), (358, 1976), (360, 1979), (404, 2096), (407, 2105), (444, 2186), (537, 2300), (561, 2348), (566, 2360), (581, 2390), (594, 2414), (601, 2426), (658, 2504), (660, 2510), (745, 2654), (767, 2687), (814, 2741), (952, 2918), (1012, 2972),

Gene: TriFive_5 Start: 1190, Stop: 2755, Start Num: 84
Candidate Starts for TriFive_5:
(Start: 50 @1139 has 4 MA's), (57, 1148), (Start: 84 @1190 has 63 MA's), (Start: 88 @1196 has 18 MA's), (199, 1367), (217, 1397), (257, 1472), (259, 1478), (261, 1484), (317, 1640), (321, 1649), (322, 1652), (324, 1655), (372, 1730), (391, 1784), (393, 1787), (394, 1790), (509, 2021), (553, 2096), (564, 2117), (566, 2123), (608, 2192), (642, 2216), (654, 2234), (660, 2249), (717, 2363), (743, 2402), (747, 2408), (799, 2474), (833, 2528), (856, 2564), (865, 2576), (909, 2615), (977, 2702), (1012, 2747), (1014, 2750),

Gene: TribleTrouble_6 Start: 1306, Stop: 2730, Start Num: 164
Candidate Starts for TribleTrouble_6:
(123, 1267), (Start: 156 @1294 has 11 MA's), (Start: 164 @1306 has 155 MA's), (201, 1372), (202, 1375), (Start: 210 @1393 has 1 MA's), (Start: 223 @1417 has 16 MA's), (255, 1501), (259, 1510), (271, 1558), (277, 1576), (288, 1594), (304, 1645), (336, 1687), (341, 1693), (358, 1720), (404, 1840), (407, 1849), (444, 1930), (457, 1948), (537, 2044), (561, 2092), (566, 2104), (581, 2134), (594, 2158), (601, 2170), (660, 2254), (680, 2296), (743, 2395), (745, 2398), (771, 2440), (782, 2455), (812, 2482),

(814, 2485), (952, 2662),

Gene: Trine_2 Start: 545, Stop: 2110, Start Num: 111
Candidate Starts for Trine_2:
(Start: 111 @545 has 9 MA's), (Start: 121 @557 has 4 MA's), (185, 650), (204, 686), (261, 773), (275, 827), (304, 905), (322, 947), (336, 962), (350, 992), (375, 1013), (393, 1061), (407, 1112), (435, 1184), (438, 1190), (535, 1316), (589, 1418), (593, 1427), (599, 1439), (603, 1448), (655, 1511), (658, 1517), (674, 1550), (682, 1568), (692, 1601), (696, 1607), (705, 1628), (709, 1637), (711, 1640), (806, 1808), (807, 1811), (836, 1865), (837, 1868), (852, 1895), (903, 1946), (1014, 2102),

Gene: Trireme_3 Start: 1179, Stop: 2639, Start Num: 106
Candidate Starts for Trireme_3:
(Start: 106 @1179 has 126 MA's), (Start: 111 @1185 has 9 MA's), (217, 1347), (222, 1356), (258, 1416), (278, 1485), (290, 1506), (305, 1557), (409, 1761), (501, 1896), (540, 1974), (546, 1989), (557, 2007), (567, 2025), (588, 2067), (605, 2100), (621, 2118), (692, 2238), (694, 2241), (699, 2253), (705, 2265), (711, 2277), (749, 2328), (785, 2385), (788, 2391), (791, 2400), (799, 2409), (801, 2412), (919, 2574), (928, 2583), (934, 2592), (955, 2631),

Gene: Troy_2 Start: 374, Stop: 1957, Start Num: 121
Candidate Starts for Troy_2:
(Start: 118 @371 has 4 MA's), (Start: 121 @374 has 4 MA's), (Start: 127 @380 has 74 MA's), (225, 551), (257, 629), (260, 638), (322, 812), (389, 914), (391, 920), (395, 929), (396, 938), (414, 998), (435, 1046), (436, 1049), (502, 1112), (546, 1205), (581, 1271), (678, 1427), (686, 1445), (712, 1490), (735, 1532), (757, 1568), (766, 1583), (783, 1610), (786, 1613), (792, 1628), (809, 1661), (819, 1676), (845, 1724), (876, 1754), (891, 1772), (943, 1847), (990, 1922), (1011, 1946),

Gene: TruffulaTree_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for TruffulaTree_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: TuertoX_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for TuertoX_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: TukTuk_3 Start: 676, Stop: 2304, Start Num: 127
Candidate Starts for TukTuk_3:
(Start: 127 @676 has 74 MA's), (222, 832), (275, 940), (309, 1024), (318, 1048), (375, 1123), (394, 1174), (395, 1177), (410, 1237), (416, 1255), (430, 1285), (447, 1315), (688, 1771), (697, 1786), (925, 2137), (1026, 2293),

Gene: Twinkle_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for Twinkle_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (267, 618), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (386, 855), (404, 912), (407, 921), (410, 936), (451, 1008), (459, 1020), (493, 1071), (542, 1137), (566, 1179), (628, 1293), (658, 1338), (660,

1344), (668, 1365), (713, 1455), (714, 1458), (742, 1500), (766, 1536), (767, 1539), (799, 1575), (811, 1593), (831, 1629), (864, 1680), (911, 1743), (939, 1785), (965, 1827),

Gene: Twitch_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Twitch_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: TyDawg_14 Start: 4719, Stop: 6263, Start Num: 112
Candidate Starts for TyDawg_14:
(Start: 112 @4719 has 27 MA's), (143, 4767), (258, 4968), (304, 5106), (403, 5298), (517, 5508), (546, 5559), (582, 5631), (658, 5694), (667, 5718), (675, 5733), (705, 5793), (711, 5805), (743, 5865), (766, 5898), (797, 5931), (814, 5958), (841, 6006), (977, 6192), (995, 6213),

Gene: TymAbreu_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for TymAbreu_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (813, 2015), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Typha_9 Start: 4674, Stop: 6299, Start Num: 68
Candidate Starts for Typha_9:
(24, 4593), (29, 4611), (49, 4650), (58, 4662), (Start: 63 @4668 has 1 MA's), (Start: 68 @4674 has 4 MA's), (Start: 73 @4680 has 1 MA's), (Start: 193 @4848 has 2 MA's), (200, 4860), (204, 4872), (275, 5016), (302, 5112), (304, 5121), (346, 5199), (349, 5205), (387, 5262), (393, 5277), (419, 5367), (435, 5400), (436, 5403), (505, 5475), (535, 5532), (556, 5580), (566, 5601), (570, 5613), (575, 5625), (589, 5649), (601, 5673), (603, 5679), (651, 5736), (660, 5754), (709, 5856), (740, 5898), (777, 5961), (781, 5970), (786, 5976), (846, 6090), (874, 6102), (894, 6120), (924, 6162), (949, 6204), (957, 6219),

Gene: Tyson_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for Tyson_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: UPIE_4 Start: 1059, Stop: 2636, Start Num: 88
Candidate Starts for UPIE_4:
(Start: 84 @1053 has 63 MA's), (Start: 88 @1059 has 18 MA's), (199, 1230), (245, 1317), (257, 1335), (259, 1341), (267, 1377), (322, 1515), (324, 1518), (372, 1593), (391, 1647), (393, 1650), (394, 1653), (481, 1821), (503, 1875), (509, 1884), (517, 1899), (529, 1920), (553, 1959), (564, 1980), (566, 1986), (578, 2013), (608, 2055), (642, 2079), (654, 2097), (658, 2106), (660, 2112), (675, 2145), (692, 2178), (711, 2217), (714, 2223), (717, 2226), (747, 2271), (799, 2337), (830, 2388), (839, 2403), (845, 2412), (856, 2427), (857, 2430), (952, 2532), (972, 2559), (1012, 2610), (1014, 2613),

Gene: Ubuntu_5 Start: 1855, Stop: 3489, Start Num: 39

Candidate Starts for Ubuntu_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: UmaThurman_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for UmaThurman_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (265, 627), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (390, 891), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (658, 1365), (672, 1398), (689, 1431), (696, 1443), (717, 1479), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (854, 1689), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: UncleRicky_3 Start: 797, Stop: 2158, Start Num: 223
Candidate Starts for UncleRicky_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Underpass_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Underpass_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Unicorn_7 Start: 1549, Stop: 2976, Start Num: 164
Candidate Starts for Unicorn_7:
(Start: 164 @1549 has 155 MA's), (Start: 210 @1639 has 1 MA's), (Start: 223 @1663 has 16 MA's), (224, 1669), (255, 1747), (259, 1756), (271, 1804), (277, 1822), (304, 1891), (335, 1930), (341, 1939), (358, 1966), (391, 2044), (404, 2086), (407, 2095), (444, 2176), (494, 2224), (537, 2290), (558, 2332), (561, 2338), (566, 2350), (570, 2356), (581, 2380), (597, 2410), (606, 2431), (660, 2500), (680, 2542), (741, 2635), (767, 2677), (797, 2707), (814, 2731), (842, 2779), (952, 2908), (1012, 2965), (1015, 2971),

Gene: Upsilon_3 Start: 1104, Stop: 2564, Start Num: 106
Candidate Starts for Upsilon_3:
(Start: 106 @1104 has 126 MA's), (Start: 111 @1110 has 9 MA's), (217, 1272), (222, 1281), (258, 1341), (278, 1410), (290, 1431), (301, 1467), (305, 1482), (409, 1686), (501, 1821), (540, 1899), (546, 1914), (557, 1932), (567, 1950), (588, 1992), (605, 2025), (621, 2043), (692, 2163), (694, 2166), (699, 2178), (705, 2190), (749, 2253), (785, 2310), (788, 2316), (791, 2325), (799, 2334), (801, 2337), (919, 2499), (928, 2508), (934, 2517), (955, 2556),

Gene: Upyo_2 Start: 552, Stop: 2117, Start Num: 111
Candidate Starts for Upyo_2:
(Start: 111 @552 has 9 MA's), (123, 567), (149, 603), (261, 780), (275, 834), (282, 858), (322, 954), (336, 969), (375, 1020), (393, 1068), (407, 1119), (409, 1131), (435, 1191), (438, 1197), (441, 1203), (548, 1356), (603, 1455), (610, 1467), (655, 1518), (658, 1524), (676, 1563), (697, 1617), (705, 1635), (769, 1749), (807, 1821), (836, 1875), (903, 1956), (1014, 2109),

Gene: Urkel_8 Start: 1566, Stop: 2987, Start Num: 164
Candidate Starts for Urkel_8:
(98, 1494), (Start: 127 @1533 has 74 MA's), (Start: 156 @1554 has 11 MA's), (Start: 164 @1566 has 155 MA's), (Start: 223 @1677 has 16 MA's), (224, 1683), (255, 1761), (259, 1770), (271, 1818), (277, 1836), (304, 1905), (336, 1947), (341, 1953), (358, 1980), (360, 1983), (374, 2007), (404, 2100), (407, 2109), (444, 2190), (457, 2208), (537, 2304), (561, 2352), (566, 2364), (581, 2394), (594, 2418), (601, 2430), (658, 2508), (660, 2514), (745, 2658), (767, 2691), (814, 2745), (952, 2922), (1012, 2976),

Gene: Urla_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for Urla_2:
(Start: 75 @426 has 75 MA's), (204, 615), (Start: 216 @636 has 4 MA's), (259, 696), (267, 732), (275, 756), (277, 762), (283, 780), (334, 882), (362, 942), (393, 1011), (395, 1017), (410, 1077), (436, 1137), (459, 1173), (499, 1236), (519, 1266), (572, 1362), (623, 1449), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (767, 1668), (780, 1689), (782, 1692), (831, 1755), (843, 1779), (925, 1857), (948, 1896), (1010, 1977),

Gene: Utopia_1 Start: 76, Stop: 1755, Start Num: 86
Candidate Starts for Utopia_1:
(Start: 39 @22 has 19 MA's), (Start: 86 @76 has 18 MA's), (Start: 164 @175 has 155 MA's), (Start: 198 @229 has 7 MA's), (204, 244), (220, 274), (222, 277), (231, 304), (303, 475), (304, 481), (309, 490), (414, 712), (443, 775), (505, 856), (541, 916), (556, 946), (696, 1183), (697, 1186), (769, 1300), (775, 1306), (813, 1354), (832, 1384), (886, 1456), (930, 1510), (952, 1552),

Gene: Utz_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Utz_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (325, 783), (335, 795), (357, 816), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (854, 1689), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Vagabond_31 Start: 13344, Stop: 14858, Start Num: 86
Candidate Starts for Vagabond_31:
(Start: 86 @13344 has 18 MA's), (Start: 88 @13347 has 18 MA's), (Start: 210 @13527 has 1 MA's), (245, 13620), (270, 13695), (283, 13728), (295, 13755), (304, 13785), (391, 13938), (394, 13944), (404, 13980), (407, 13989), (444, 14070), (450, 14079), (452, 14082), (495, 14121), (534, 14178), (550, 14214), (553, 14217), (656, 14373), (660, 14382), (692, 14451), (697, 14460), (703, 14466), (722, 14499), (745, 14535), (814, 14622), (825, 14643), (888, 14706), (891, 14709), (894, 14712), (905, 14730), (925, 14751), (952, 14793), (985, 14829), (1005, 14841),

Gene: Validus_8 Start: 1576, Stop: 3006, Start Num: 164
Candidate Starts for Validus_8:

(89, 1492), (Start: 164 @1576 has 155 MA's), (Start: 210 @1666 has 1 MA's), (Start: 223 @1690 has 16 MA's), (224, 1696), (239, 1735), (255, 1774), (259, 1783), (261, 1789), (271, 1831), (277, 1849), (288, 1867), (304, 1918), (358, 1993), (404, 2113), (407, 2122), (444, 2203), (494, 2251), (537, 2317), (561, 2365), (566, 2377), (581, 2407), (594, 2431), (606, 2458), (660, 2527), (680, 2569), (697, 2599), (711, 2623), (745, 2671), (767, 2704), (797, 2734), (814, 2758), (891, 2848), (952, 2938), (1012, 2995), (1015, 3001),

Gene: Vallejo_5 Start: 3064, Stop: 4629, Start Num: 75
Candidate Starts for Vallejo_5:
(Start: 75 @3064 has 75 MA's), (Start: 216 @3274 has 4 MA's), (217, 3277), (257, 3328), (272, 3385), (275, 3394), (283, 3418), (387, 3634), (393, 3649), (395, 3655), (410, 3715), (436, 3775), (499, 3874), (519, 3904), (572, 4000), (615, 4078), (623, 4087), (657, 4123), (676, 4162), (691, 4195), (697, 4204), (709, 4231), (754, 4285), (780, 4327), (806, 4348), (820, 4372), (831, 4393), (843, 4417), (925, 4495), (1010, 4615),

Gene: Vanisius_3 Start: 1086, Stop: 2546, Start Num: 106
Candidate Starts for Vanisius_3:
(Start: 106 @1086 has 126 MA's), (Start: 111 @1092 has 9 MA's), (217, 1254), (222, 1263), (258, 1323), (278, 1392), (290, 1413), (305, 1464), (409, 1668), (540, 1881), (546, 1896), (567, 1932), (588, 1974), (605, 2007), (621, 2025), (692, 2145), (694, 2148), (699, 2160), (749, 2235), (788, 2298), (799, 2316), (801, 2319), (919, 2481), (928, 2490), (934, 2499), (955, 2538),

Gene: Vasanti_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Vasanti_2:
(51, 258), (Start: 93 @318 has 51 MA's), (221, 504), (234, 537), (267, 618), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (714, 1458), (742, 1500), (745, 1506), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (911, 1743), (913, 1746), (1008, 1872),

Gene: Veliki_8 Start: 1637, Stop: 3058, Start Num: 164
Candidate Starts for Veliki_8:
(98, 1565), (Start: 156 @1625 has 11 MA's), (Start: 164 @1637 has 155 MA's), (Start: 223 @1748 has 16 MA's), (224, 1754), (255, 1832), (259, 1841), (271, 1889), (277, 1907), (304, 1976), (336, 2018), (341, 2024), (358, 2051), (360, 2054), (404, 2171), (407, 2180), (444, 2261), (537, 2375), (561, 2423), (566, 2435), (581, 2465), (594, 2489), (601, 2501), (658, 2579), (660, 2585), (745, 2729), (767, 2762), (814, 2816), (952, 2993), (1012, 3047),

Gene: Velveteen_3 Start: 671, Stop: 2158, Start Num: 154
Candidate Starts for Velveteen_3:
(Start: 131 @659 has 3 MA's), (Start: 154 @671 has 76 MA's), (Start: 223 @797 has 16 MA's), (224, 803), (240, 845), (241, 851), (253, 884), (257, 890), (259, 896), (268, 935), (276, 959), (287, 977), (288, 980), (302, 1022), (310, 1043), (333, 1070), (337, 1079), (342, 1088), (344, 1091), (358, 1115), (374, 1142), (394, 1199), (400, 1220), (407, 1244), (409, 1256), (420, 1277), (428, 1289), (441, 1322), (445, 1328), (495, 1397), (496, 1403), (513, 1436), (532, 1472), (563, 1532), (566, 1541), (579, 1568), (629, 1646), (684, 1742), (714, 1787), (766, 1859), (800, 1898), (823, 1934), (826, 1940), (842, 1964), (882, 1994), (888, 2000), (925, 2042), (927, 2045), (930, 2048), (952, 2090), (960, 2102), (969, 2114),

Gene: Vendetta_7 Start: 3467, Stop: 5074, Start Num: 108
Candidate Starts for Vendetta_7:
(Start: 50 @3389 has 4 MA's), (Start: 108 @3467 has 6 MA's), (259, 3695), (283, 3779), (295, 3800), (302, 3821), (375, 3959), (395, 4013), (421, 4100), (423, 4103), (436, 4133), (523, 4238), (572, 4340), (642, 4463), (682, 4550), (688, 4565), (697, 4580), (740, 4643), (787, 4712), (806, 4754), (820, 4778),

(847, 4829), (848, 4832), (873, 4865), (925, 4931), (954, 4982), (1015, 5060), (1019, 5066),

Gene: Venti_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Venti_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Vetrix_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Vetrix_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Vidya_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Vidya_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: Vitas_2 Start: 593, Stop: 2155, Start Num: 127
Candidate Starts for Vitas_2:
(Start: 127 @593 has 74 MA's), (Start: 196 @701 has 2 MA's), (222, 749), (275, 857), (277, 863), (280, 872), (282, 878), (283, 881), (324, 977), (375, 1040), (410, 1154), (436, 1214), (447, 1232), (558, 1460), (579, 1505), (668, 1643), (890, 1970), (1015, 2144), (1018, 2147),

Gene: VitulaEligans_3 Start: 1155, Stop: 2615, Start Num: 106
Candidate Starts for VitulaEligans_3:
(Start: 106 @1155 has 126 MA's), (Start: 111 @1161 has 9 MA's), (217, 1323), (222, 1332), (258, 1392), (278, 1461), (290, 1482), (305, 1533), (409, 1737), (501, 1872), (540, 1950), (546, 1965), (567, 2001), (588, 2043), (605, 2076), (621, 2094), (692, 2214), (694, 2217), (699, 2229), (749, 2304), (788, 2367), (799, 2385), (801, 2388), (919, 2550), (928, 2559), (934, 2568),

Gene: ViviJ_5 Start: 1089, Stop: 2516, Start Num: 172
Candidate Starts for ViviJ_5:
(Start: 172 @1089 has 22 MA's), (201, 1146), (Start: 210 @1167 has 1 MA's), (Start: 223 @1191 has 16 MA's), (255, 1275), (259, 1284), (261, 1290), (277, 1350), (288, 1368), (304, 1419), (335, 1458), (391, 1572), (404, 1614), (407, 1623), (408, 1626), (444, 1704), (537, 1818), (561, 1866), (566, 1878), (581, 1908), (601, 1944), (617, 1971), (660, 2028), (697, 2112), (711, 2136), (766, 2214), (814, 2271), (827, 2295), (842, 2319), (952, 2448), (1012, 2505),

Gene: Volt_36 Start: 10775, Stop: 12181, Start Num: 179
Candidate Starts for Volt_36:
(143, 10718), (Start: 179 @10775 has 6 MA's), (244, 10901), (266, 10961), (269, 10970), (303, 11054), (327, 11108), (393, 11234), (395, 11240), (400, 11258), (420, 11324), (453, 11378), (484, 11411), (500, 11456), (566, 11549), (617, 11627), (652, 11672), (661, 11690), (705, 11753), (707, 11759), (802, 11885), (829, 11930), (840, 11948), (977, 12122),

Gene: Vorrps_30 Start: 13119, Stop: 14630, Start Num: 88

Candidate Starts for Vorrps_30:
(Start: 86 @13116 has 18 MA's), (Start: 88 @13119 has 18 MA's), (Start: 210 @13299 has 1 MA's), (245, 13392), (270, 13467), (283, 13500), (295, 13527), (304, 13557), (391, 13710), (394, 13716), (404, 13752), (407, 13761), (444, 13842), (450, 13851), (452, 13854), (495, 13893), (534, 13950), (550, 13986), (553, 13989), (656, 14145), (660, 14154), (692, 14223), (697, 14232), (703, 14238), (722, 14271), (745, 14307), (814, 14394), (825, 14415), (888, 14478), (891, 14481), (894, 14484), (905, 14502), (925, 14523), (952, 14565), (985, 14601), (1005, 14613),

Gene: Vulpecula_3 Start: 1027, Stop: 2607, Start Num: 135
Candidate Starts for Vulpecula_3:
(25, 850), (Start: 81 @961 has 7 MA's), (Start: 135 @1027 has 10 MA's), (Start: 198 @1123 has 7 MA's), (202, 1132), (270, 1264), (275, 1279), (283, 1303), (410, 1576), (415, 1588), (436, 1636), (449, 1657), (474, 1717), (488, 1747), (491, 1756), (523, 1819), (651, 2035), (657, 2047), (688, 2113), (697, 2128), (711, 2158), (747, 2197), (751, 2206), (759, 2215), (810, 2305), (950, 2515), (1012, 2596),

Gene: Vulture_2 Start: 429, Stop: 1994, Start Num: 75
Candidate Starts for Vulture_2:
(Start: 75 @429 has 75 MA's), (Start: 196 @600 has 2 MA's), (257, 693), (272, 750), (275, 759), (283, 783), (305, 837), (375, 966), (410, 1080), (436, 1140), (456, 1170), (519, 1269), (526, 1284), (623, 1452), (676, 1527), (677, 1530), (691, 1560), (749, 1644), (780, 1692), (807, 1716), (884, 1806), (925, 1860), (973, 1941), (1010, 1980),

Gene: WalkingDead_3 Start: 947, Stop: 2572, Start Num: 127
Candidate Starts for WalkingDead_3:
(Start: 127 @947 has 74 MA's), (222, 1103), (261, 1157), (275, 1211), (280, 1226), (309, 1295), (335, 1340), (394, 1445), (395, 1448), (410, 1508), (416, 1526), (417, 1529), (430, 1556), (447, 1586), (523, 1748), (652, 1964), (688, 2039), (696, 2051), (925, 2405),

Gene: Walrus_2 Start: 361, Stop: 1959, Start Num: 113
Candidate Starts for Walrus_2:
(Start: 93 @334 has 51 MA's), (109, 355), (Start: 113 @361 has 34 MA's), (Start: 196 @475 has 2 MA's), (201, 484), (221, 517), (227, 535), (234, 550), (247, 571), (258, 592), (266, 628), (275, 655), (288, 691), (301, 727), (304, 739), (325, 781), (327, 784), (410, 961), (431, 1003), (441, 1018), (451, 1033), (454, 1036), (520, 1111), (542, 1162), (628, 1318), (646, 1339), (648, 1342), (689, 1429), (696, 1441), (714, 1474), (717, 1477), (741, 1516), (743, 1522), (745, 1525), (799, 1594), (801, 1597), (835, 1657), (836, 1660), (841, 1669), (892, 1738), (902, 1753), (1023, 1942),

Gene: Wamburgrxpress_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for Wamburgrxpress_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: Wanda_10 Start: 3688, Stop: 5220, Start Num: 152
Candidate Starts for Wanda_10:
(91, 3604), (Start: 122 @3646 has 2 MA's), (128, 3655), (Start: 152 @3688 has 34 MA's), (224, 3802), (246, 3865), (260, 3898), (261, 3901), (270, 3940), (272, 3946), (302, 4021), (304, 4030), (371, 4132), (386, 4171), (398, 4204), (534, 4453), (566, 4516), (578, 4543), (674, 4702), (692, 4738), (705, 4759), (709, 4768), (714, 4777), (752, 4831), (769, 4855), (844, 4936), (952, 5089), (959, 5101),

Gene: Waterfoul_6 Start: 1347, Stop: 2774, Start Num: 172
Candidate Starts for Waterfoul_6:
(89, 1254), (Start: 172 @1347 has 22 MA's), (201, 1404), (Start: 210 @1425 has 1 MA's), (Start: 223 @1449 has 16 MA's), (255, 1533), (259, 1542), (261, 1548), (271, 1590), (277, 1608), (288, 1626), (304, 1677), (311, 1692), (358, 1752), (391, 1830), (404, 1872), (407, 1881), (408, 1884), (444, 1962), (537, 2076), (561, 2124), (581, 2166), (594, 2190), (601, 2202), (617, 2229), (655, 2274), (660, 2286), (741, 2433), (766, 2472), (814, 2529), (827, 2553), (842, 2577), (877, 2601), (950, 2700), (952, 2706), (1012, 2763),

Gene: Wawa_5 Start: 3103, Stop: 4668, Start Num: 75
Candidate Starts for Wawa_5:
(Start: 75 @3103 has 75 MA's), (Start: 216 @3313 has 4 MA's), (217, 3316), (257, 3367), (275, 3433), (283, 3457), (387, 3673), (391, 3685), (393, 3688), (395, 3694), (410, 3754), (436, 3814), (443, 3826), (499, 3913), (519, 3943), (526, 3958), (572, 4039), (615, 4117), (623, 4126), (657, 4162), (676, 4201), (691, 4234), (697, 4243), (709, 4270), (754, 4324), (780, 4366), (820, 4411), (831, 4432), (843, 4456), (925, 4534), (1010, 4654),

Gene: Wayne_5 Start: 3150, Stop: 4718, Start Num: 75
Candidate Starts for Wayne_5:
(Start: 75 @3150 has 75 MA's), (202, 3336), (217, 3366), (257, 3417), (261, 3429), (267, 3459), (272, 3474), (283, 3507), (334, 3609), (375, 3690), (393, 3738), (410, 3804), (430, 3852), (435, 3861), (438, 3867), (473, 3936), (499, 3963), (519, 3993), (538, 4032), (657, 4212), (691, 4284), (709, 4320), (780, 4416), (831, 4482), (869, 4512), (873, 4518), (925, 4584), (1010, 4704),

Gene: Webster2_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Webster2_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Weirdo19_2 Start: 543, Stop: 2216, Start Num: 39
Candidate Starts for Weirdo19_2:
(23, 483), (32, 522), (Start: 39 @543 has 19 MA's), (211, 729), (221, 747), (228, 768), (234, 780), (236, 783), (267, 861), (268, 864), (301, 945), (355, 1044), (372, 1074), (393, 1131), (404, 1170), (467, 1293), (566, 1482), (605, 1572), (620, 1590), (624, 1596), (643, 1620), (654, 1638), (689, 1713), (692, 1719), (705, 1743), (729, 1782), (743, 1806), (747, 1812), (767, 1842), (769, 1848), (771, 1851), (799, 1878), (836, 1944), (871, 1995), (878, 2004), (892, 2022), (929, 2067), (935, 2076), (939, 2085), (958, 2121), (966, 2127), (1026, 2205),

Gene: Wendigo_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for Wendigo_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Westrich_4 Start: 958, Stop: 2538, Start Num: 135
Candidate Starts for Westrich_4:

(Start: 81 @892 has 7 MA's), (Start: 135 @958 has 10 MA's), (Start: 198 @1054 has 7 MA's), (202, 1063), (Start: 207 @1072 has 1 MA's), (217, 1093), (226, 1117), (257, 1144), (261, 1156), (270, 1195), (275, 1210), (283, 1234), (295, 1255), (396, 1456), (410, 1507), (416, 1525), (436, 1567), (449, 1588), (474, 1648), (488, 1678), (491, 1687), (523, 1750), (657, 1978), (676, 2017), (688, 2044), (697, 2059), (711, 2089), (747, 2128), (793, 2206), (810, 2236), (825, 2263), (950, 2446), (952, 2452), (964, 2473), (1012, 2527),

Gene: Whack_2 Start: 366, Stop: 1988, Start Num: 85
Candidate Starts for Whack_2:
(Start: 73 @345 has 1 MA's), (Start: 75 @351 has 75 MA's), (Start: 85 @366 has 2 MA's), (Start: 189 @504 has 6 MA's), (221, 564), (234, 597), (271, 690), (301, 762), (317, 804), (388, 921), (404, 972), (410, 996), (485, 1113), (493, 1131), (611, 1332), (655, 1398), (663, 1416), (667, 1428), (717, 1518), (728, 1536), (762, 1593), (801, 1638), (811, 1653), (835, 1698),

Gene: WheatThin_6 Start: 1978, Stop: 3408, Start Num: 219
Candidate Starts for WheatThin_6:
(123, 1810), (126, 1813), (Start: 131 @1822 has 3 MA's), (Start: 219 @1978 has 15 MA's), (226, 1996), (275, 2119), (283, 2137), (299, 2176), (302, 2185), (357, 2269), (394, 2353), (399, 2368), (408, 2401), (440, 2467), (514, 2599), (606, 2788), (618, 2800), (654, 2848), (672, 2890), (699, 2941), (743, 3016), (745, 3019), (762, 3046), (811, 3106), (830, 3139), (836, 3154), (862, 3190), (892, 3232), (913, 3259), (939, 3295), (942, 3301), (966, 3340),

Gene: Whirlwind_6 Start: 1185, Stop: 2750, Start Num: 84
Candidate Starts for Whirlwind_6:
(Start: 84 @1185 has 63 MA's), (Start: 88 @1191 has 18 MA's), (199, 1362), (257, 1467), (261, 1479), (317, 1635), (321, 1644), (322, 1647), (324, 1650), (372, 1725), (391, 1779), (393, 1782), (394, 1785), (509, 2016), (553, 2091), (564, 2112), (566, 2118), (608, 2187), (642, 2211), (654, 2229), (660, 2244), (675, 2277), (717, 2358), (743, 2397), (747, 2403), (799, 2469), (833, 2523), (856, 2559), (865, 2571), (909, 2610), (977, 2697), (1012, 2742), (1014, 2745),

Gene: Whiteclaw_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Whiteclaw_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Whitney_3 Start: 673, Stop: 2190, Start Num: 154
Candidate Starts for Whitney_3:
(132, 664), (Start: 154 @673 has 76 MA's), (218, 790), (Start: 223 @799 has 16 MA's), (241, 853), (253, 886), (268, 937), (271, 946), (288, 982), (302, 1024), (310, 1045), (316, 1057), (333, 1072), (342, 1090), (344, 1093), (345, 1096), (358, 1117), (374, 1144), (394, 1201), (407, 1246), (408, 1249), (409, 1258), (420, 1279), (428, 1291), (439, 1318), (445, 1330), (495, 1399), (497, 1411), (537, 1483), (546, 1507), (566, 1543), (579, 1570), (617, 1636), (640, 1657), (698, 1759), (714, 1786), (829, 1945), (842, 1963), (925, 2041), (927, 2044), (930, 2047), (952, 2089), (960, 2101), (969, 2113),

Gene: Whytu_1 Start: 77, Stop: 1762, Start Num: 86
Candidate Starts for Whytu_1:
(46, 32), (Start: 86 @77 has 18 MA's), (Start: 164 @176 has 155 MA's), (Start: 198 @230 has 7 MA's), (204, 245), (220, 275), (222, 278), (231, 305), (270, 392), (303, 476), (304, 482), (309, 491), (334, 536), (414, 713), (443, 776), (544, 929), (556, 947), (696, 1184), (697, 1187), (769, 1301), (775, 1307), (813, 1355), (832, 1385), (886, 1457), (930, 1511), (952, 1553), (1027, 1703), (1029, 1739), (1030, 1757),

Gene: Widow_2 Start: 482, Stop: 2065, Start Num: 111
Candidate Starts for Widow_2:
(2, 53), (3, 59), (7, 158), (Start: 111 @482 has 9 MA's), (222, 656), (257, 698), (267, 740), (299, 824), (322, 884), (373, 947), (377, 953), (393, 998), (416, 1082), (435, 1121), (502, 1190), (535, 1253), (563, 1307), (589, 1355), (618, 1406), (649, 1442), (670, 1487), (676, 1499), (691, 1535), (697, 1544), (705, 1562), (769, 1673), (807, 1745), (809, 1748), (820, 1766), (837, 1802), (903, 1901), (1014, 2057),

Gene: Wigglewiggle_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Wigglewiggle_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Wildcat_26 Start: 8104, Stop: 9717, Start Num: 95
Candidate Starts for Wildcat_26:
(Start: 95 @8104 has 6 MA's), (199, 8254), (Start: 210 @8272 has 1 MA's), (225, 8305), (229, 8317), (260, 8368), (261, 8371), (273, 8419), (275, 8425), (293, 8464), (294, 8467), (304, 8500), (340, 8569), (378, 8635), (383, 8653), (391, 8677), (394, 8683), (433, 8788), (460, 8830), (479, 8848), (483, 8857), (592, 9061), (596, 9067), (622, 9100), (711, 9265), (717, 9274), (722, 9280), (723, 9283), (766, 9358), (797, 9391), (806, 9406), (856, 9487), (972, 9640), (991, 9661), (993, 9664),

Gene: Wilder_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Wilder_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Wildflower_31 Start: 13111, Stop: 14625, Start Num: 86
Candidate Starts for Wildflower_31:
(Start: 86 @13111 has 18 MA's), (Start: 88 @13114 has 18 MA's), (Start: 210 @13294 has 1 MA's), (245, 13387), (270, 13462), (283, 13495), (295, 13522), (304, 13552), (391, 13705), (394, 13711), (404, 13747), (407, 13756), (444, 13837), (450, 13846), (452, 13849), (495, 13888), (534, 13945), (550, 13981), (553, 13984), (656, 14140), (660, 14149), (692, 14218), (697, 14227), (703, 14233), (722, 14266), (745, 14302), (814, 14389), (825, 14410), (888, 14473), (891, 14476), (894, 14479), (905, 14497), (925, 14518), (952, 14560), (982, 14593), (985, 14596), (1005, 14608),

Gene: William_2 Start: 378, Stop: 1928, Start Num: 127
Candidate Starts for William_2:
(Start: 93 @333 has 51 MA's), (Start: 104 @348 has 38 MA's), (109, 354), (Start: 116 @363 has 12 MA's), (Start: 127 @378 has 74 MA's), (176, 441), (Start: 196 @477 has 2 MA's), (211, 504), (221, 519), (234, 552), (247, 573), (258, 594), (267, 633), (275, 657), (277, 663), (288, 693), (304, 741), (325, 783), (335, 795), (393, 900), (441, 1020), (520, 1113), (537, 1146), (542, 1164), (628, 1320), (646, 1341), (655, 1359), (689, 1431), (717, 1479), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (811, 1614), (862, 1701), (892, 1743), (931, 1794), (1012, 1911), (1015, 1917),

Gene: Willsammy_2 Start: 400, Stop: 2076, Start Num: 40
Candidate Starts for Willsammy_2:

(Start: 40 @400 has 46 MA's), (192, 616), (213, 655), (244, 712), (256, 736), (268, 781), (272, 793), (275, 802), (277, 808), (301, 865), (309, 886), (314, 898), (365, 988), (440, 1177), (520, 1273), (535, 1303), (542, 1324), (616, 1465), (629, 1477), (658, 1522), (702, 1609), (741, 1675), (745, 1684), (762, 1711), (799, 1753), (811, 1771), (862, 1855), (871, 1870), (1012, 2059),

Gene: Winget_31 Start: 13343, Stop: 14857, Start Num: 86
Candidate Starts for Winget_31:
(Start: 86 @13343 has 18 MA's), (Start: 88 @13346 has 18 MA's), (Start: 210 @13526 has 1 MA's), (245, 13619), (270, 13694), (283, 13727), (295, 13754), (304, 13784), (391, 13937), (394, 13943), (404, 13979), (407, 13988), (444, 14069), (450, 14078), (452, 14081), (495, 14120), (534, 14177), (550, 14213), (553, 14216), (656, 14372), (660, 14381), (692, 14450), (697, 14459), (703, 14465), (722, 14498), (745, 14534), (814, 14621), (825, 14642), (888, 14705), (891, 14708), (894, 14711), (905, 14729), (925, 14750), (952, 14792), (985, 14828), (1005, 14840),

Gene: WinkNick_3 Start: 820, Stop: 2379, Start Num: 93
Candidate Starts for WinkNick_3:
(51, 760), (Start: 93 @820 has 51 MA's), (Start: 178 @928 has 1 MA's), (221, 1006), (234, 1039), (267, 1120), (268, 1123), (271, 1132), (288, 1168), (310, 1228), (372, 1318), (374, 1321), (404, 1414), (410, 1438), (451, 1510), (493, 1573), (542, 1639), (566, 1681), (597, 1750), (601, 1756), (628, 1795), (643, 1816), (658, 1840), (660, 1846), (668, 1867), (692, 1912), (713, 1948), (714, 1951), (742, 1993), (831, 2122), (864, 2173), (952, 2302), (1008, 2362),

Gene: Winky_4 Start: 1069, Stop: 2637, Start Num: 84
Candidate Starts for Winky_4:
(Start: 84 @1069 has 63 MA's), (Start: 88 @1075 has 18 MA's), (190, 1231), (321, 1528), (324, 1534), (366, 1594), (391, 1666), (394, 1672), (400, 1693), (442, 1792), (481, 1840), (503, 1894), (517, 1918), (542, 1963), (546, 1969), (564, 1999), (566, 2005), (578, 2032), (582, 2041), (642, 2098), (647, 2104), (658, 2125), (660, 2131), (697, 2206), (698, 2209), (717, 2245), (747, 2290), (799, 2356), (845, 2431), (857, 2449), (865, 2458), (995, 2605), (1012, 2629), (1014, 2632),

Gene: Wintermute_9 Start: 2464, Stop: 3909, Start Num: 164
Candidate Starts for Wintermute_9:
(Start: 164 @2464 has 155 MA's), (Start: 223 @2569 has 16 MA's), (255, 2653), (259, 2662), (271, 2710), (276, 2725), (288, 2752), (304, 2803), (313, 2821), (341, 2851), (358, 2878), (391, 2956), (404, 2998), (407, 3007), (408, 3010), (444, 3088), (450, 3097), (494, 3136), (537, 3202), (561, 3250), (581, 3292), (660, 3409), (678, 3451), (697, 3496), (743, 3565), (771, 3610), (797, 3631), (814, 3655), (952, 3832), (1012, 3898), (1015, 3904),

Gene: Wishmaker_5 Start: 1855, Stop: 3489, Start Num: 39
Candidate Starts for Wishmaker_5:
(Start: 39 @1855 has 19 MA's), (Start: 82 @1894 has 6 MA's), (133, 1942), (234, 2113), (256, 2152), (323, 2332), (332, 2341), (336, 2350), (372, 2413), (376, 2419), (402, 2503), (403, 2506), (404, 2509), (451, 2605), (454, 2608), (459, 2617), (520, 2683), (535, 2713), (546, 2740), (565, 2773), (569, 2794), (571, 2797), (629, 2893), (646, 2914), (689, 3004), (713, 3046), (724, 3064), (728, 3070), (767, 3133), (769, 3139), (771, 3142), (811, 3187), (815, 3193), (830, 3220), (836, 3235), (871, 3286), (878, 3295), (889, 3310), (892, 3313), (918, 3352), (931, 3367), (939, 3382), (941, 3385), (1004, 3463), (1010, 3469),

Gene: Wisp_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Wisp_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542,

1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (745, 1527), (747, 1530), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Witch_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Witch_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Wizzo_2 Start: 378, Stop: 1889, Start Num: 153
Candidate Starts for Wizzo_2:
(Start: 153 @378 has 47 MA's), (177, 417), (186, 435), (206, 462), (214, 480), (225, 507), (226, 510), (254, 558), (259, 567), (261, 573), (270, 612), (272, 618), (288, 651), (295, 669), (303, 693), (304, 699), (321, 738), (326, 747), (328, 750), (344, 789), (345, 792), (378, 861), (393, 906), (394, 909), (400, 930), (404, 945), (407, 954), (434, 1026), (446, 1044), (448, 1047), (455, 1053), (504, 1134), (521, 1155), (546, 1191), (566, 1227), (605, 1293), (635, 1326), (641, 1335), (654, 1356), (673, 1398), (717, 1476), (723, 1485), (734, 1497), (754, 1530), (768, 1551), (769, 1554), (771, 1557), (784, 1569), (816, 1599), (818, 1602), (827, 1620), (830, 1626), (844, 1647), (885, 1704), (887, 1707), (897, 1719), (904, 1731), (956, 1806), (986, 1842), (1010, 1875), (1014, 1881),

Gene: Wocket_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Wocket_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (454, 1038), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911),

Gene: Wogge42_30 Start: 13433, Stop: 14947, Start Num: 86
Candidate Starts for Wogge42_30:
(Start: 86 @13433 has 18 MA's), (Start: 88 @13436 has 18 MA's), (Start: 210 @13616 has 1 MA's), (245, 13709), (270, 13784), (283, 13817), (295, 13844), (304, 13874), (391, 14027), (394, 14033), (404, 14069), (407, 14078), (444, 14159), (450, 14168), (452, 14171), (495, 14210), (534, 14267), (550, 14303), (553, 14306), (656, 14462), (660, 14471), (692, 14540), (697, 14549), (703, 14555), (722, 14588), (745, 14624), (814, 14711), (825, 14732), (888, 14795), (891, 14798), (894, 14801), (905, 14819), (925, 14840), (952, 14882), (982, 14915), (985, 14918), (1005, 14930),

Gene: Wolfpack_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Wolfpack_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (417, 1677), (501, 1788), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (955, 2523),

Gene: WonderBoy_2 Start: 426, Stop: 1991, Start Num: 75
Candidate Starts for WonderBoy_2:
(Start: 75 @426 has 75 MA's), (168, 549), (Start: 216 @636 has 4 MA's), (217, 639), (257, 690), (267, 732), (272, 747), (275, 756), (283, 780), (362, 942), (410, 1077), (417, 1098), (436, 1137), (499, 1236), (519, 1266), (526, 1281), (545, 1314), (572, 1362), (577, 1371), (623, 1449), (657, 1485), (676, 1524), (691, 1557), (697, 1566), (709, 1593), (754, 1647), (780, 1689), (820, 1734), (831, 1755), (843, 1779),

(925, 1857),

Gene: Wyatt2_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for Wyatt2_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: Xavia_2 Start: 404, Stop: 2080, Start Num: 40
Candidate Starts for Xavia_2:
(11, 233), (15, 287), (19, 317), (Start: 40 @404 has 46 MA's), (119, 515), (192, 620), (213, 659), (244, 716), (247, 722), (256, 740), (265, 776), (268, 785), (272, 797), (275, 806), (277, 812), (301, 869), (309, 890), (314, 902), (365, 992), (440, 1181), (520, 1277), (542, 1328), (616, 1469), (629, 1481), (696, 1604), (741, 1679), (745, 1688), (762, 1715), (799, 1757), (811, 1775), (862, 1859), (871, 1874), (1012, 2063),

Gene: Xeno_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Xeno_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Xerxes_2 Start: 501, Stop: 2036, Start Num: 152
Candidate Starts for Xerxes_2:
(Start: 152 @501 has 34 MA's), (Start: 155 @504 has 19 MA's), (Start: 164 @516 has 155 MA's), (Start: 167 @519 has 2 MA's), (197, 576), (209, 594), (Start: 216 @606 has 4 MA's), (250, 678), (260, 696), (264, 714), (269, 735), (295, 798), (309, 837), (322, 870), (351, 918), (386, 1002), (393, 1017), (408, 1068), (409, 1077), (422, 1101), (442, 1140), (444, 1143), (452, 1155), (520, 1281), (534, 1305), (566, 1368), (617, 1452), (664, 1524), (675, 1548), (697, 1590), (701, 1599), (730, 1656), (752, 1695), (801, 1752), (807, 1758), (816, 1761), (836, 1782), (868, 1830), (897, 1866), (952, 1947), (956, 1953),

Gene: Ximenita_8 Start: 1691, Stop: 3118, Start Num: 164
Candidate Starts for Ximenita_8:
(Start: 164 @1691 has 155 MA's), (Start: 210 @1781 has 1 MA's), (Start: 223 @1805 has 16 MA's), (224, 1811), (255, 1889), (259, 1898), (271, 1946), (277, 1964), (304, 2033), (335, 2072), (358, 2108), (360, 2111), (391, 2186), (404, 2228), (407, 2237), (444, 2318), (494, 2366), (537, 2432), (558, 2474), (561, 2480), (566, 2492), (570, 2498), (581, 2522), (594, 2546), (597, 2552), (660, 2642), (680, 2684), (741, 2777), (743, 2783), (745, 2786), (767, 2819), (797, 2849), (814, 2873), (842, 2921), (952, 3050), (1012, 3107), (1015, 3113),

Gene: Y10_09 Start: 2570, Stop: 3910, Start Num: 223
Candidate Starts for Y10_09:
(Start: 164 @2465 has 155 MA's), (Start: 223 @2570 has 16 MA's), (255, 2654), (259, 2663), (271, 2711), (276, 2726), (288, 2753), (304, 2804), (313, 2822), (341, 2852), (358, 2879), (391, 2957), (404, 2999), (407, 3008), (408, 3011), (444, 3089), (450, 3098), (494, 3137), (537, 3203), (561, 3251), (581, 3293), (660, 3410), (678, 3452), (697, 3497), (743, 3566), (771, 3611), (797, 3632), (814, 3656), (952, 3833), (1012, 3899), (1015, 3905),

Gene: Y2_09 Start: 2570, Stop: 3910, Start Num: 223
Candidate Starts for Y2_09:
(Start: 164 @2465 has 155 MA's), (Start: 223 @2570 has 16 MA's), (255, 2654), (259, 2663), (271, 2711), (276, 2726), (288, 2753), (304, 2804), (313, 2822), (341, 2852), (358, 2879), (391, 2957), (404, 2999), (407, 3008), (408, 3011), (444, 3089), (450, 3098), (494, 3137), (537, 3203), (561, 3251), (581, 3293), (660, 3410), (678, 3452), (697, 3497), (743, 3566), (771, 3611), (797, 3632), (814, 3656), (952, 3833), (1012, 3899), (1015, 3905),

Gene: Yami_3 Start: 1068, Stop: 2522, Start Num: 111
Candidate Starts for Yami_3:
(Start: 106 @1062 has 126 MA's), (Start: 111 @1068 has 9 MA's), (217, 1230), (222, 1239), (258, 1299), (278, 1368), (290, 1389), (305, 1440), (409, 1644), (501, 1779), (540, 1857), (546, 1872), (557, 1890), (567, 1908), (588, 1950), (605, 1983), (621, 2001), (692, 2121), (694, 2124), (699, 2136), (705, 2148), (711, 2160), (749, 2211), (785, 2268), (788, 2274), (791, 2283), (799, 2292), (801, 2295), (919, 2457), (928, 2466), (934, 2475), (955, 2514),

Gene: Yank_4 Start: 800, Stop: 2290, Start Num: 104
Candidate Starts for Yank_4:
(Start: 104 @800 has 38 MA's), (145, 845), (Start: 207 @947 has 1 MA's), (Start: 216 @965 has 4 MA's), (220, 974), (231, 992), (257, 1025), (258, 1028), (261, 1037), (267, 1067), (276, 1094), (318, 1193), (384, 1292), (393, 1316), (394, 1319), (395, 1322), (408, 1367), (549, 1601), (578, 1649), (583, 1661), (603, 1700), (615, 1718), (636, 1730), (638, 1733), (651, 1754), (655, 1760), (660, 1772), (697, 1850), (732, 1904), (767, 1958), (776, 1970), (841, 2063), (914, 2147), (950, 2204), (999, 2273),

Gene: Yasuo_3 Start: 1071, Stop: 2531, Start Num: 106
Candidate Starts for Yasuo_3:
(Start: 106 @1071 has 126 MA's), (Start: 111 @1077 has 9 MA's), (217, 1239), (222, 1248), (258, 1308), (278, 1377), (290, 1398), (305, 1449), (409, 1653), (540, 1866), (546, 1881), (567, 1917), (588, 1959), (605, 1992), (621, 2010), (692, 2130), (694, 2133), (699, 2145), (749, 2220), (788, 2283), (799, 2301), (801, 2304), (919, 2466), (928, 2475), (934, 2484), (955, 2523),

Gene: Yavru_1 Start: 76, Stop: 1761, Start Num: 86
Candidate Starts for Yavru_1:
(Start: 39 @22 has 19 MA's), (Start: 86 @76 has 18 MA's), (Start: 164 @175 has 155 MA's), (Start: 198 @229 has 7 MA's), (204, 244), (220, 274), (222, 277), (231, 304), (303, 475), (304, 481), (305, 484), (309, 490), (314, 502), (414, 712), (443, 775), (482, 829), (505, 856), (541, 916), (556, 946), (697, 1186), (769, 1300), (775, 1306), (813, 1354), (832, 1384), (886, 1456), (930, 1510), (952, 1552),

Gene: Yeet412_2 Start: 318, Stop: 1889, Start Num: 93
Candidate Starts for Yeet412_2:
(Start: 93 @318 has 51 MA's), (205, 474), (221, 504), (234, 537), (268, 621), (271, 630), (288, 666), (310, 726), (372, 816), (374, 819), (404, 912), (410, 936), (431, 978), (465, 1032), (493, 1071), (542, 1137), (550, 1149), (566, 1179), (578, 1212), (628, 1293), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (742, 1500), (745, 1506), (766, 1536), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (908, 1740), (911, 1743), (939, 1785), (1008, 1872),

Gene: Yeezy_2 Start: 318, Stop: 1901, Start Num: 93
Candidate Starts for Yeezy_2:
(Start: 93 @318 has 51 MA's), (Start: 178 @426 has 1 MA's), (221, 504), (234, 537), (268, 621), (271, 630), (310, 726), (374, 819), (404, 912), (410, 936), (431, 978), (493, 1071), (542, 1137), (566, 1179), (602, 1257), (619, 1281), (628, 1293), (643, 1314), (658, 1338), (660, 1344), (668, 1365), (713, 1455), (714, 1458), (742, 1500), (745, 1506), (767, 1539), (811, 1593), (831, 1629), (864, 1680), (911, 1743),

(965, 1827), (992, 1857),

Gene: YertPhresh_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for YertPhresh_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Yoshi_3 Start: 663, Stop: 2183, Start Num: 154
Candidate Starts for Yoshi_3:
(Start: 131 @651 has 3 MA's), (Start: 154 @663 has 76 MA's), (Start: 223 @789 has 16 MA's), (225, 798), (241, 843), (251, 873), (253, 876), (257, 882), (268, 927), (276, 951), (288, 972), (302, 1014), (310, 1035), (333, 1062), (342, 1080), (344, 1083), (358, 1107), (374, 1134), (394, 1191), (404, 1227), (407, 1236), (409, 1248), (412, 1254), (420, 1269), (428, 1281), (439, 1308), (441, 1314), (445, 1320), (467, 1356), (479, 1365), (496, 1395), (511, 1425), (513, 1428), (563, 1524), (566, 1533), (579, 1560), (633, 1644), (651, 1659), (709, 1770), (714, 1779), (722, 1788), (766, 1851), (823, 1926), (829, 1938), (842, 1956), (888, 1992), (925, 2034), (930, 2040), (952, 2082), (960, 2094), (969, 2106), (1023, 2172),

Gene: YoureAdopted_7 Start: 1563, Stop: 2984, Start Num: 164
Candidate Starts for YoureAdopted_7:
(98, 1491), (Start: 156 @1551 has 11 MA's), (Start: 164 @1563 has 155 MA's), (Start: 223 @1674 has 16 MA's), (224, 1680), (255, 1758), (259, 1767), (271, 1815), (277, 1833), (304, 1902), (336, 1944), (341, 1950), (358, 1977), (360, 1980), (404, 2097), (407, 2106), (444, 2187), (537, 2301), (561, 2349), (566, 2361), (581, 2391), (594, 2415), (601, 2427), (606, 2442), (658, 2505), (660, 2511), (745, 2655), (767, 2688), (814, 2742), (952, 2919), (1012, 2973),

Gene: Yubaba_3 Start: 1074, Stop: 2534, Start Num: 106
Candidate Starts for Yubaba_3:
(Start: 106 @1074 has 126 MA's), (Start: 111 @1080 has 9 MA's), (217, 1242), (222, 1251), (258, 1311), (278, 1380), (290, 1401), (305, 1452), (409, 1656), (540, 1869), (546, 1884), (567, 1920), (588, 1962), (605, 1995), (621, 2013), (692, 2133), (694, 2136), (699, 2148), (749, 2223), (788, 2286), (799, 2304), (801, 2307), (919, 2469), (928, 2478), (934, 2487), (955, 2526),

Gene: Yuna_8 Start: 1651, Stop: 3090, Start Num: 156
Candidate Starts for Yuna_8:
(89, 1579), (98, 1591), (Start: 156 @1651 has 11 MA's), (Start: 164 @1663 has 155 MA's), (Start: 210 @1753 has 1 MA's), (Start: 223 @1777 has 16 MA's), (224, 1783), (255, 1861), (259, 1870), (261, 1876), (271, 1918), (274, 1927), (277, 1936), (288, 1954), (304, 2005), (335, 2044), (341, 2053), (358, 2080), (404, 2200), (407, 2209), (444, 2290), (537, 2404), (558, 2446), (561, 2452), (566, 2464), (581, 2494), (597, 2524), (606, 2545), (658, 2608), (660, 2614), (680, 2656), (741, 2749), (745, 2758), (771, 2800), (799, 2827), (814, 2845), (831, 2878), (960, 3034), (1012, 3079), (1015, 3085),

Gene: YungJamal_33 Start: 13409, Stop: 14920, Start Num: 88
Candidate Starts for YungJamal_33:
(Start: 86 @13406 has 18 MA's), (Start: 88 @13409 has 18 MA's), (Start: 210 @13589 has 1 MA's), (245, 13682), (270, 13757), (283, 13790), (295, 13817), (304, 13847), (391, 14000), (394, 14006), (404, 14042), (407, 14051), (444, 14132), (450, 14141), (452, 14144), (495, 14183), (534, 14240), (550, 14276), (553, 14279), (656, 14435), (660, 14444), (692, 14513), (697, 14522), (703, 14528), (722, 14561), (745, 14597), (814, 14684), (825, 14705), (888, 14768), (891, 14771), (894, 14774), (905, 14792), (925, 14813), (952, 14855), (985, 14891), (1005, 14903),

Gene: Yunkel11_8 Start: 1587, Stop: 3011, Start Num: 164

Candidate Starts for Yunkel11_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 210 @1674 has 1 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (239, 1743), (255, 1782), (259, 1791), (261, 1797), (271, 1839), (277, 1857), (288, 1875), (304, 1926), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (452, 2223), (494, 2259), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (597, 2445), (606, 2466), (660, 2535), (697, 2607), (743, 2676), (745, 2679), (767, 2712), (814, 2766), (827, 2790), (891, 2853), (952, 2943), (1012, 3000), (1015, 3006),

Gene: ZAYM_2 Start: 521, Stop: 2170, Start Num: 82
Candidate Starts for ZAYM_2:
(Start: 82 @521 has 6 MA's), (103, 551), (221, 722), (261, 806), (304, 932), (309, 941), (344, 1007), (363, 1055), (410, 1190), (542, 1391), (566, 1433), (578, 1466), (628, 1547), (637, 1565), (643, 1568), (714, 1712), (722, 1721), (741, 1754), (743, 1760), (778, 1814), (799, 1832), (811, 1850), (854, 1922), (878, 1958), (921, 2012), (939, 2039), (954, 2072), (984, 2123),

Gene: Zabiza_8 Start: 1587, Stop: 3008, Start Num: 164
Candidate Starts for Zabiza_8:
(98, 1515), (Start: 156 @1575 has 11 MA's), (Start: 164 @1587 has 155 MA's), (Start: 223 @1698 has 16 MA's), (224, 1704), (255, 1782), (259, 1791), (271, 1839), (277, 1857), (304, 1926), (336, 1968), (341, 1974), (358, 2001), (360, 2004), (404, 2121), (407, 2130), (444, 2211), (537, 2325), (561, 2373), (566, 2385), (581, 2415), (594, 2439), (601, 2451), (606, 2466), (658, 2529), (660, 2535), (745, 2679), (767, 2712), (814, 2766), (952, 2943), (1012, 2997),

Gene: Zaheer_6 Start: 2162, Stop: 3868, Start Num: 112
Candidate Starts for Zaheer_6:
(70, 2105), (Start: 96 @2141 has 8 MA's), (Start: 112 @2162 has 27 MA's), (168, 2237), (Start: 198 @2306 has 7 MA's), (204, 2321), (222, 2354), (258, 2399), (259, 2402), (269, 2444), (275, 2462), (276, 2465), (295, 2507), (334, 2588), (335, 2591), (375, 2645), (410, 2759), (449, 2840), (475, 2906), (478, 2915), (540, 3077), (572, 3143), (579, 3158), (668, 3329), (697, 3386), (720, 3428), (749, 3461), (776, 3500), (807, 3542), (890, 3641), (903, 3659), (905, 3662), (910, 3668), (950, 3731), (1026, 3857),

Gene: Zahlia_3 Start: 1176, Stop: 2636, Start Num: 106
Candidate Starts for Zahlia_3:
(Start: 106 @1176 has 126 MA's), (Start: 111 @1182 has 9 MA's), (217, 1344), (222, 1353), (258, 1413), (278, 1482), (290, 1503), (305, 1554), (409, 1758), (540, 1971), (546, 1986), (567, 2022), (588, 2064), (605, 2097), (621, 2115), (692, 2235), (694, 2238), (699, 2250), (749, 2325), (788, 2388), (799, 2406), (801, 2409), (919, 2571), (928, 2580), (934, 2589), (955, 2628),

Gene: Zakai_4 Start: 1057, Stop: 2625, Start Num: 84
Candidate Starts for Zakai_4:
(Start: 84 @1057 has 63 MA's), (Start: 88 @1063 has 18 MA's), (190, 1219), (321, 1516), (324, 1522), (366, 1582), (391, 1654), (394, 1660), (400, 1681), (442, 1780), (503, 1882), (517, 1906), (542, 1951), (546, 1957), (564, 1987), (566, 1993), (578, 2020), (582, 2029), (642, 2086), (647, 2092), (658, 2113), (660, 2119), (697, 2194), (698, 2197), (717, 2233), (747, 2278), (799, 2344), (845, 2419), (857, 2437), (865, 2446), (995, 2593), (1012, 2617), (1014, 2620),

Gene: Zakhe101_31 Start: 13259, Stop: 14770, Start Num: 88
Candidate Starts for Zakhe101_31:
(Start: 86 @13256 has 18 MA's), (Start: 88 @13259 has 18 MA's), (Start: 210 @13439 has 1 MA's), (245, 13532), (270, 13607), (283, 13640), (295, 13667), (304, 13697), (391, 13850), (394, 13856), (404, 13892), (407, 13901), (444, 13982), (450, 13991), (452, 13994), (534, 14090), (550, 14126), (553, 14129), (656, 14285), (660, 14294), (692, 14363), (697, 14372), (703, 14378), (722, 14411), (745, 14447), (814, 14534), (825, 14555), (888, 14618), (891, 14621), (894, 14624), (905, 14642),

(925, 14663), (952, 14705), (982, 14738), (985, 14741), (1005, 14753),

Gene: Zapner_4 Start: 1188, Stop: 2708, Start Num: 154
Candidate Starts for Zapner_4:
(Start: 131 @1176 has 3 MA's), (Start: 154 @1188 has 76 MA's), (Start: 223 @1314 has 16 MA's), (225, 1323), (241, 1368), (251, 1398), (253, 1401), (257, 1407), (268, 1452), (276, 1476), (288, 1497), (302, 1539), (310, 1560), (333, 1587), (342, 1605), (344, 1608), (358, 1632), (374, 1659), (394, 1716), (404, 1752), (407, 1761), (409, 1773), (412, 1779), (420, 1794), (428, 1806), (441, 1839), (445, 1845), (467, 1881), (479, 1890), (496, 1920), (511, 1950), (513, 1953), (563, 2049), (566, 2058), (579, 2085), (633, 2169), (651, 2184), (709, 2295), (714, 2304), (722, 2313), (766, 2376), (823, 2451), (829, 2463), (842, 2481), (888, 2517), (925, 2559), (930, 2565), (952, 2607), (960, 2619), (969, 2631), (1023, 2697),

Gene: Zarbodnamra_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for Zarbodnamra_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (327, 786), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (782, 1584), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911), (1015, 1917),

Gene: Zaria_4 Start: 1052, Stop: 2635, Start Num: 84
Candidate Starts for Zaria_4:
(Start: 84 @1052 has 63 MA's), (Start: 88 @1058 has 18 MA's), (199, 1229), (245, 1316), (257, 1334), (259, 1340), (267, 1376), (322, 1514), (324, 1517), (372, 1592), (391, 1646), (393, 1649), (394, 1652), (481, 1820), (503, 1874), (509, 1883), (517, 1898), (529, 1919), (553, 1958), (564, 1979), (566, 1985), (578, 2012), (608, 2054), (642, 2078), (654, 2096), (658, 2105), (660, 2111), (675, 2144), (692, 2177), (711, 2216), (714, 2222), (717, 2225), (747, 2270), (799, 2336), (830, 2387), (839, 2402), (845, 2411), (856, 2426), (857, 2429), (952, 2531), (972, 2558), (1012, 2609), (1014, 2612),

Gene: Zavala_8 Start: 1572, Stop: 2993, Start Num: 164
Candidate Starts for Zavala_8:
(98, 1500), (Start: 156 @1560 has 11 MA's), (Start: 164 @1572 has 155 MA's), (Start: 223 @1683 has 16 MA's), (224, 1689), (255, 1767), (259, 1776), (271, 1824), (277, 1842), (304, 1911), (336, 1953), (341, 1959), (358, 1986), (360, 1989), (404, 2106), (407, 2115), (444, 2196), (537, 2310), (561, 2358), (566, 2370), (581, 2400), (594, 2424), (601, 2436), (658, 2514), (660, 2520), (745, 2664), (767, 2697), (814, 2751), (952, 2928), (1012, 2982),

Gene: Zebo_29 Start: 13077, Stop: 14591, Start Num: 86
Candidate Starts for Zebo_29:
(Start: 86 @13077 has 18 MA's), (Start: 88 @13080 has 18 MA's), (Start: 210 @13260 has 1 MA's), (245, 13353), (270, 13428), (283, 13461), (295, 13488), (304, 13518), (391, 13671), (394, 13677), (404, 13713), (407, 13722), (444, 13803), (450, 13812), (452, 13815), (495, 13854), (534, 13911), (550, 13947), (553, 13950), (656, 14106), (660, 14115), (692, 14184), (697, 14193), (703, 14199), (722, 14232), (745, 14268), (814, 14355), (825, 14376), (888, 14439), (891, 14442), (894, 14445), (905, 14463), (925, 14484), (952, 14526), (985, 14562), (1005, 14574),

Gene: ZhongYanYuan_3 Start: 901, Stop: 2469, Start Num: 84
Candidate Starts for ZhongYanYuan_3:
(Start: 84 @901 has 63 MA's), (Start: 88 @907 has 18 MA's), (Start: 95 @916 has 6 MA's), (190, 1063), (245, 1165), (277, 1255), (321, 1360), (391, 1498), (394, 1504), (407, 1549), (442, 1624), (481, 1672), (503, 1726), (517, 1750), (529, 1771), (542, 1795), (546, 1801), (564, 1831), (566, 1837), (582,

1873), (642, 1930), (654, 1948), (660, 1963), (697, 2038), (698, 2041), (717, 2077), (723, 2086), (747, 2122), (799, 2188), (845, 2263), (857, 2281), (865, 2290), (995, 2437), (1012, 2461), (1014, 2464),

Gene: Zhuangyuan_4 Start: 1206, Stop: 2672, Start Num: 202
Candidate Starts for Zhuangyuan_4:
(Start: 81 @1041 has 7 MA's), (202, 1206), (217, 1236), (257, 1287), (261, 1299), (270, 1338), (275, 1353), (277, 1359), (350, 1515), (375, 1536), (394, 1587), (410, 1650), (449, 1731), (459, 1746), (479, 1800), (481, 1803), (540, 1929), (572, 1989), (579, 2004), (618, 2070), (647, 2097), (651, 2106), (697, 2199), (711, 2229), (747, 2268), (751, 2277), (767, 2301), (793, 2346), (831, 2415), (857, 2448), (864, 2457), (868, 2463), (884, 2484), (885, 2487), (903, 2511), (950, 2580), (968, 2610), (973, 2619), (1012, 2661),

Gene: ZiggyZoo_2 Start: 360, Stop: 1928, Start Num: 113
Candidate Starts for ZiggyZoo_2:
(Start: 39 @255 has 19 MA's), (Start: 113 @360 has 34 MA's), (Start: 178 @444 has 1 MA's), (Start: 196 @477 has 2 MA's), (221, 519), (227, 537), (234, 552), (247, 573), (258, 594), (267, 633), (288, 693), (301, 729), (304, 741), (325, 783), (335, 795), (360, 822), (393, 900), (431, 1005), (441, 1020), (451, 1035), (520, 1113), (542, 1164), (628, 1320), (655, 1359), (672, 1398), (689, 1431), (696, 1443), (723, 1488), (724, 1491), (728, 1497), (741, 1518), (745, 1527), (747, 1530), (767, 1560), (801, 1599), (862, 1701), (892, 1743), (902, 1758), (918, 1779), (931, 1794), (997, 1890), (1004, 1902), (1012, 1911),

Gene: Ziko_37 Start: 10715, Stop: 12121, Start Num: 179
Candidate Starts for Ziko_37:
(143, 10658), (Start: 179 @10715 has 6 MA's), (244, 10841), (266, 10901), (269, 10910), (303, 10994), (327, 11048), (393, 11174), (395, 11180), (400, 11198), (420, 11264), (453, 11318), (484, 11351), (500, 11396), (566, 11489), (617, 11567), (652, 11612), (661, 11630), (705, 11693), (707, 11699), (802, 11825), (829, 11870), (840, 11888), (977, 12062),

Gene: Zilizebeth_2 Start: 413, Stop: 2089, Start Num: 40
Candidate Starts for Zilizebeth_2:
(Start: 40 @413 has 46 MA's), (192, 629), (213, 668), (244, 725), (247, 731), (256, 749), (268, 794), (272, 806), (275, 815), (277, 821), (301, 878), (309, 899), (314, 911), (365, 1001), (440, 1190), (520, 1286), (535, 1316), (542, 1337), (629, 1490), (741, 1688), (745, 1697), (762, 1724), (799, 1766), (811, 1784), (862, 1868), (871, 1883), (1012, 2072),

Gene: ZoMa_2 Start: 455, Stop: 1891, Start Num: 173
Candidate Starts for ZoMa_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Zodiariah_2 Start: 432, Stop: 1991, Start Num: 131
Candidate Starts for Zodiariah_2:
(31, 276), (43, 309), (60, 333), (80, 363), (109, 402), (Start: 131 @432 has 3 MA's), (181, 498), (215, 558), (221, 567), (237, 606), (304, 777), (305, 780), (317, 807), (327, 822), (370, 876), (394, 939), (407, 984), (451, 1071), (454, 1074), (485, 1116), (493, 1134), (507, 1164), (518, 1182), (520, 1185), (527, 1200), (614, 1374), (628, 1395), (643, 1413), (654, 1431), (658, 1440), (689, 1503), (696, 1515), (714, 1548), (717, 1551), (743, 1596), (745, 1599), (762, 1626), (799, 1668), (811, 1686), (824, 1707), (866, 1776), (868, 1779), (892, 1812), (915, 1845), (936, 1875), (956, 1914),

Gene: ZoeJ_4 Start: 652, Stop: 2073, Start Num: 164
Candidate Starts for ZoeJ_4:
(89, 574), (98, 586), (105, 595), (Start: 164 @652 has 155 MA's), (201, 712), (Start: 210 @733 has 1 MA's), (222, 754), (255, 838), (259, 847), (271, 895), (288, 931), (304, 982), (335, 1021), (341, 1030), (358, 1057), (404, 1177), (407, 1186), (408, 1189), (444, 1267), (450, 1276), (537, 1381), (561, 1429), (566, 1441), (581, 1471), (594, 1495), (602, 1510), (660, 1588), (680, 1630), (697, 1660), (743, 1729), (751, 1744), (797, 1795), (814, 1819), (842, 1867), (950, 1990), (952, 1996), (1012, 2062), (1015, 2068),

Gene: Zombie_2 Start: 359, Stop: 1891, Start Num: 87
Candidate Starts for Zombie_2:
(Start: 87 @359 has 20 MA's), (Start: 173 @455 has 42 MA's), (Start: 175 @458 has 3 MA's), (Start: 191 @494 has 1 MA's), (Start: 210 @533 has 1 MA's), (271, 695), (304, 782), (309, 791), (317, 809), (335, 821), (394, 941), (404, 977), (409, 998), (420, 1019), (444, 1067), (450, 1076), (561, 1229), (591, 1289), (602, 1307), (645, 1358), (660, 1385), (666, 1400), (667, 1403), (714, 1484), (742, 1529), (799, 1604), (814, 1622), (825, 1643), (872, 1688), (886, 1706), (888, 1709), (952, 1802), (1014, 1883),

Gene: Zorro_5 Start: 3082, Stop: 4647, Start Num: 75
Candidate Starts for Zorro_5:
(Start: 75 @3082 has 75 MA's), (Start: 216 @3292 has 4 MA's), (257, 3346), (272, 3403), (275, 3412), (387, 3652), (393, 3667), (395, 3673), (410, 3733), (436, 3793), (499, 3892), (519, 3922), (526, 3937), (572, 4018), (615, 4096), (623, 4105), (657, 4141), (676, 4180), (691, 4213), (697, 4222), (709, 4249), (754, 4303), (780, 4345), (820, 4390), (831, 4411), (843, 4435), (925, 4513), (1010, 4633),

Gene: Zucker_3 Start: 797, Stop: 2302, Start Num: 160
Candidate Starts for Zucker_3:
(Start: 160 @797 has 3 MA's), (231, 941), (261, 992), (274, 1043), (339, 1181), (359, 1223), (370, 1241), (418, 1385), (426, 1397), (450, 1442), (455, 1448), (498, 1526), (514, 1547), (586, 1676), (659, 1778), (662, 1784), (671, 1805), (702, 1856), (760, 1943), (812, 2003), (840, 2051), (863, 2084), (956, 2216),