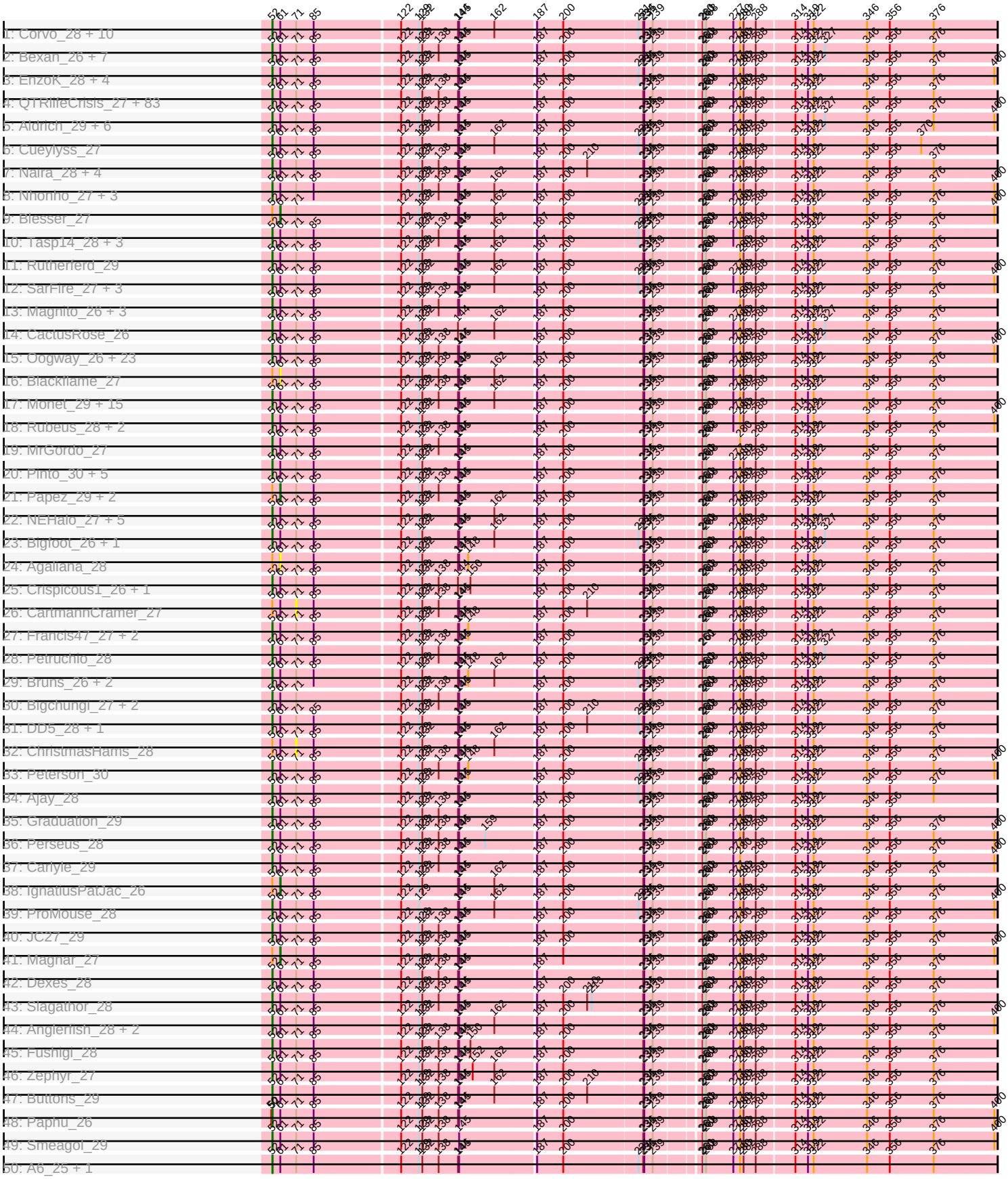
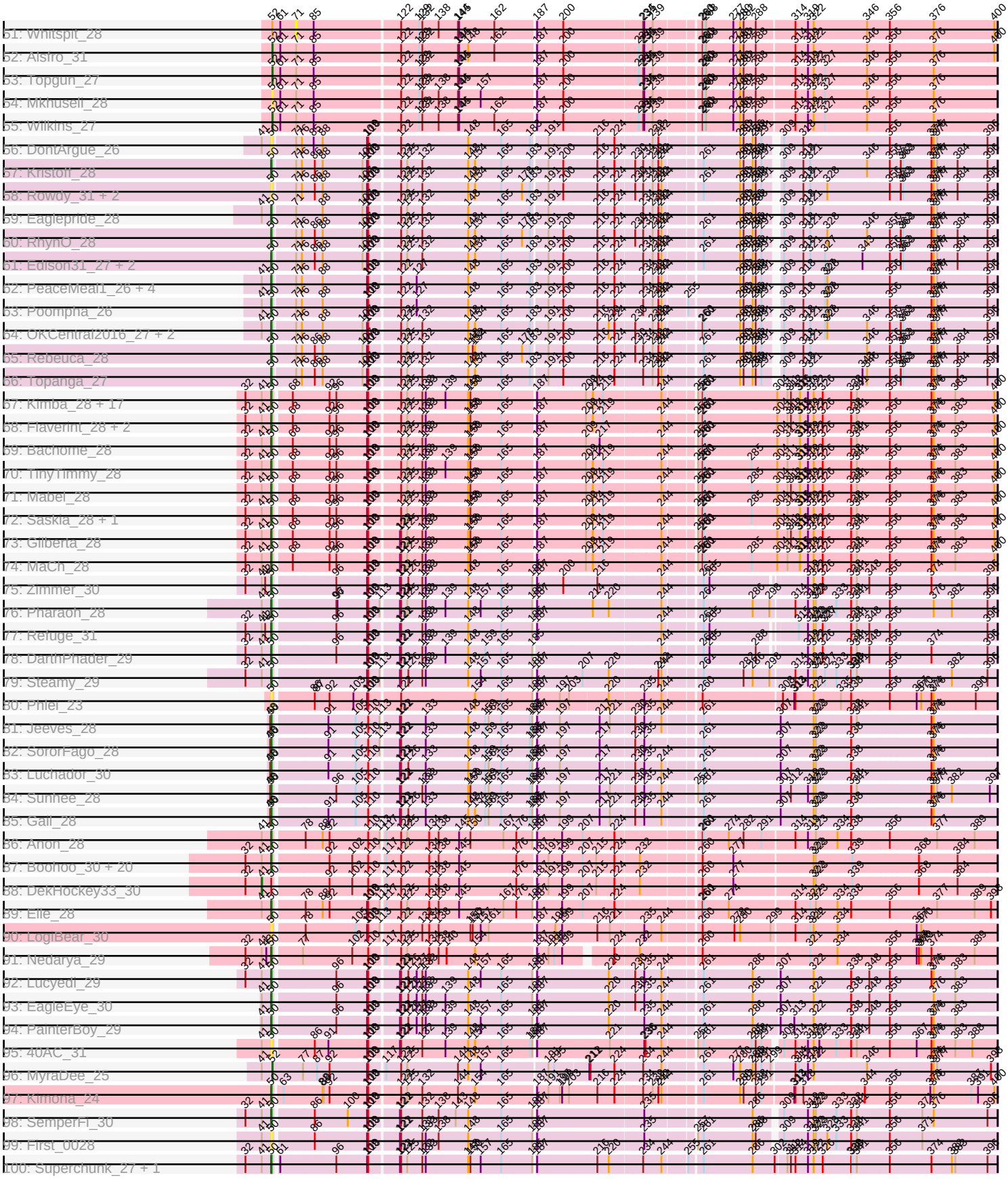
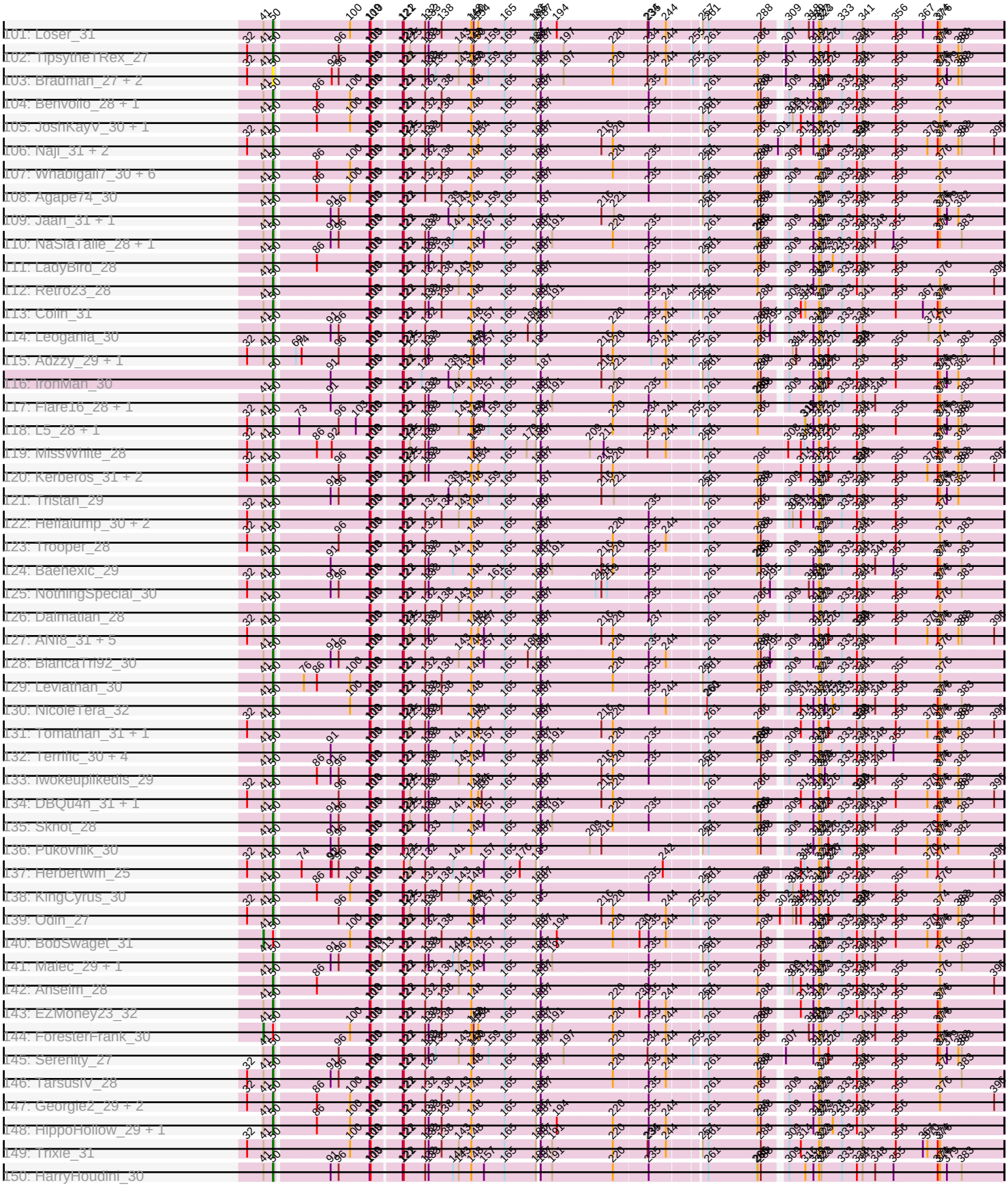
Pham 347014


1: Corvo_28 + 10
2: Bexan_26 + 7
3: EnzoK_28 + 4
4: QTRifleCrisis_27 + 83
5: Aldrich_29 + 6
6: Cueylyss_27
7: Naira_28 + 4
8: Nhonho_27 + 3
9: Blesser_27
10: Tasp14_28 + 3
11: Rutherherd_29
12: SarFire_27 + 3
13: Magnito_26 + 3
14: CactusRose_26
15: Oogway_26 + 23
16: Blackflame_27
17: Monet_29 + 15
18: Rubeus_28 + 2
19: MrGordo_27
20: Pinto_30 + 5
21: Papez_29 + 2
22: NEHalo_27 + 5
23: Bigfoot_26 + 1
24: Agaliana_28
25: Crispicous1_26 + 1
26: CartmannCramer_27
27: Francis47_27 + 2
28: Petruchio_28
29: Bruns_26 + 2
30: Bigchungi_27 + 2
31: DD5_28 + 1
32: ChristmasRams_28
33: Peterson_30
34: Ajay_28
35: Graduation_29
36: Perseus_28
37: Carlyle_29
38: IgnatiusPatJac_26
39: ProMouse_28
40: JC27_29
41: Maghar_27
42: Dexes_28
43: Slagathor_28
44: Anglerfish_28 + 2
45: Fushigi_28
46: Zephyr_27
47: Buttons_29
48: Paphu_26
49: Smeagol_29
50: A6_25 + 1

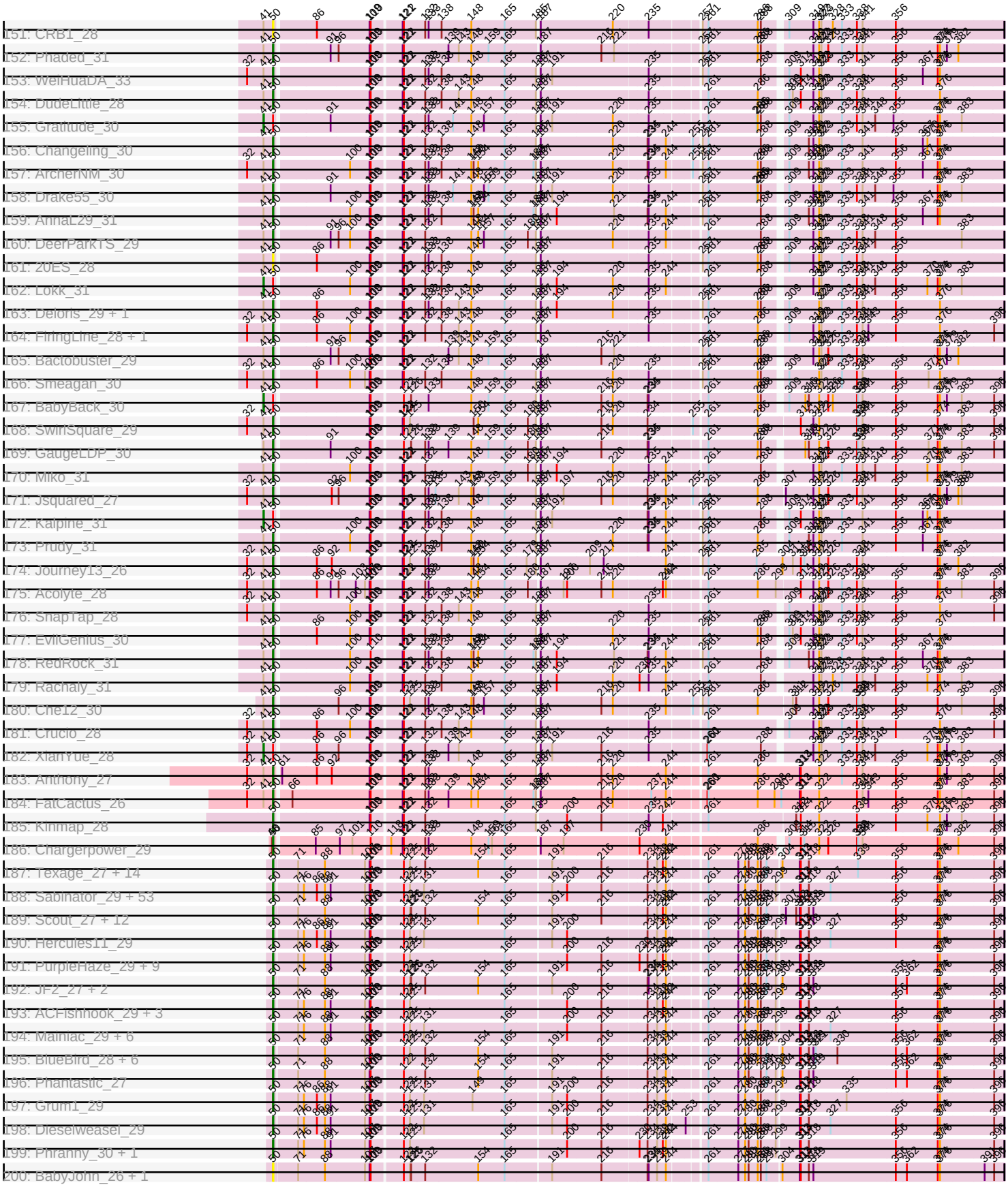
Pham 347014


51: Whitspit_28
52: Alsfro_31
53: Topgun_27
54: Mkhusell_28
55: Wilkins_27
56: DontArgue_26
57: Kristof_28
58: Rowdy_31 + 2
59: Eaglepride_28
60: RhynO_28
61: Edison31_27 + 2
62: PeaceMeal1_26 + 4
63: Poompha_26
64: OKCentral2016_27 + 2
65: Rebeuca_28
66: Topanga_27
67: Kimba_28 + 17
68: Flaverint_28 + 2
69: Bachome_28
70: TinyTimmy_28
71: Mabel_28
72: Saskia_28 + 1
73: Gliberta_28
74: MaCh_28
75: Zimmer_30
76: Pharaoh_28
77: Refuge_31
78: DarthPhader_29
79: Steamy_29
80: Phiel_23
81: Jeeves_28
82: SororFago_28
83: Luchador_30
84: Sunhee_28
85: Gail_28
86: Anon_28
87: Boohoo_30 + 20
88: DekHockey33_30
89: Elle_28
90: LogiBear_30
91: Nedarya_29
92: Lucyedl_29
93: EagleEye_30
94: PainterBoy_29
95: 40AC_31
96: MyraDee_25
97: Kimona_24
98: SemperFI_30
99: First_0028
100: Superchunk_27 + 1

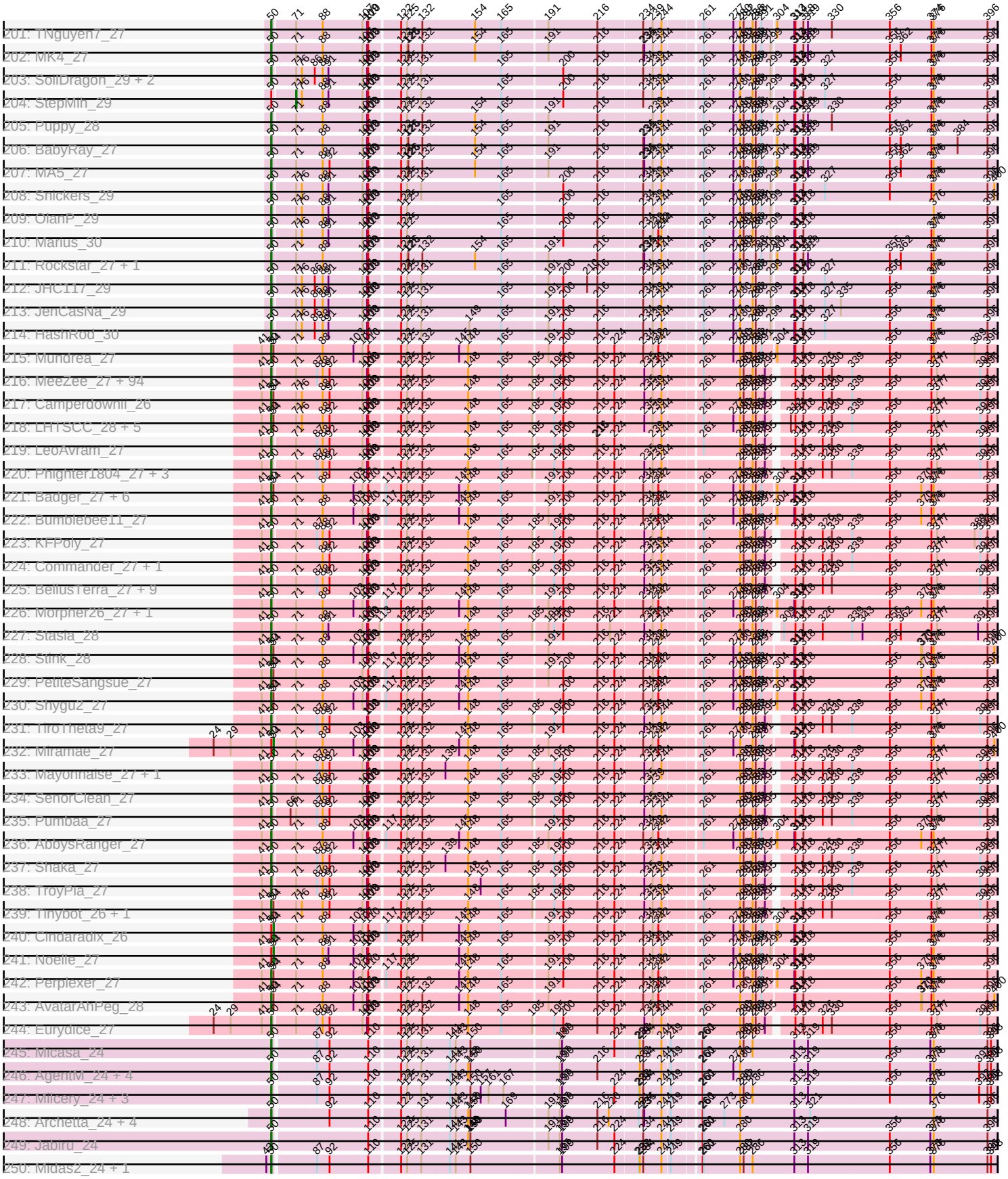
Pham 347014


I01: Loser_31
I02: TipsytheTRex_27
I03: Bradman_27 + 2
I04: Benvollo_28 + 1
I05: JoshKayV_30 + 1
I06: Najr_31 + 2
I07: Whabigail7_30 + 6
I08: Agape74_30
I09: Jaan_31 + 1
I10: NaSiaTalie_28 + 1
I11: LadyBird_28
I12: Retro23_28
I13: Colin_31
I14: Leogania_30
I15: Adzzy_29 + 1
I16: IronMan_30
I17: Flare16_28 + 1
I18: L5_28 + 1
I19: MissWhite_28
I20: Kerberos_31 + 2
I21: Tristan_29
I22: Hellalump_30 + 2
I23: Trooper_28
I24: Baehexic_29
I25: NothingSpecial_30
I26: Dalmatian_28
I27: ANI8_31 + 5
I28: BiancaTi92_30
I29: Leviathan_30
I30: NicoleTera_32
I31: Tomathan_31 + 1
I32: Termite_30 + 4
I33: Iwokeuplikedis_29
I34: DBQu4n_31 + 1
I35: Sknot_28
I36: Pukovnik_30
I37: Herbertwm_25
I38: KingCyrus_30
I39: Odin_27
I40: BobSwaget_31
I41: Malec_29 + 1
I42: Anselm_28
I43: EZMoney23_32
I44: ForesterFrank_30
I45: Serenity_27
I46: TarsusIV_28
I47: Georgie2_29 + 2
I48: HippoHollow_29 + 1
I49: Trixie_31
I50: HarryHoudini_30

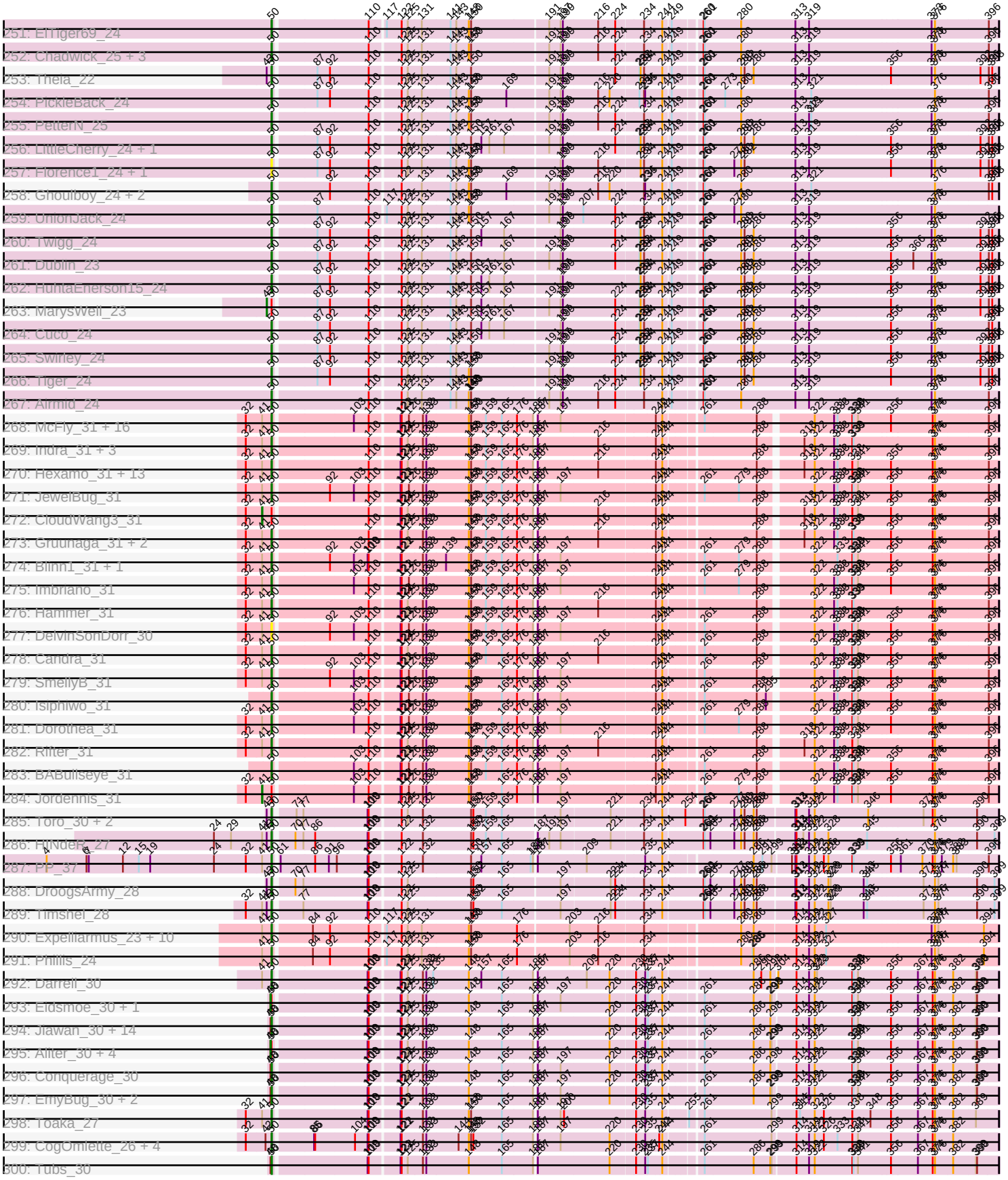
Pham 347014


151: CRB1_28
152: Phaded_31
153: WeiHuaDA_33
154: DudeLittle_28
155: Gratitude_30
156: Changeling_30
157: ArcherNM_30
158: Drake55_30
159: AnnaL29_31
160: DeerParkTS_29
161: 20ES_28
162: Lokk_31
163: Deloris_29 + 1
164: FiringLine_28 + 1
165: Bactobuster_29
166: Smeagan_30
167: BabyBack_30
168: SwimSquare_29
169: GaugeLDP_30
170: Miko_31
171: Jsquared_27
172: Kalpine_31
173: Prudy_31
174: Journey13_26
175: Acolyte_28
176: SnapTap_28
177: EvilGenius_30
178: RedRock_31
179: Rachaly_31
180: Che12_30
181: Crucio_28
182: XianYue_28
183: Anthony_27
184: FatCactus_26
185: Kinmap_28
186: Chargerpower_29
187: Texage_27 + 14
188: Sabinator_29 + 53
189: Scout_27 + 12
190: Hercules11_29
191: PurpleHaze_29 + 9
192: JF2_27 + 2
193: ACFishhook_29 + 3
194: Maniac_29 + 6
195: BlueBird_28 + 6
196: Phantastic_27
197: Grum1_29
198: Dieselweasel_29
199: Phranny_30 + 1
200: BabyJohn_26 + 1

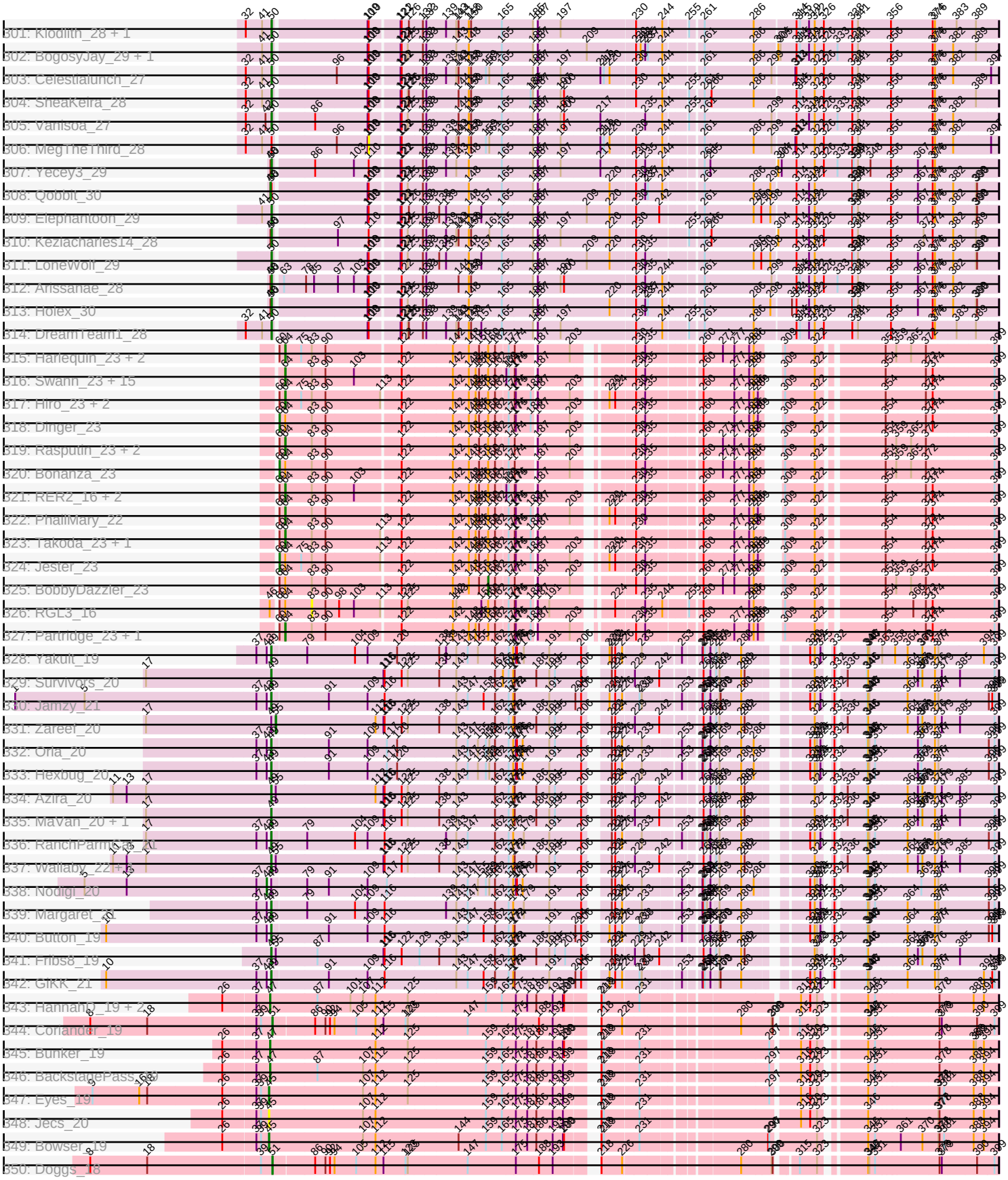
Pham 347014


201: TNguyen7_27
202: MK4_27
203: SoliDragon_29 + 2
204: StepMin_29
205: Puppy_28
206: BabyRay_27
207: MA5_27
208: Snickers_29
209: OlanP_29
210: Marius_30
211: Rockstar_27 + 1
212: JHC117_29
213: JenCasNa_29
214: HashRod_30
215: Mundrea_27
216: MeeZee_27 + 94
217: Camperdownii_26
218: LHTSCC_28 + 5
219: LeoAvram_27
220: Phighter1804_27 + 3
221: Badger_27 + 6
222: Bumblebee11_27
223: KFPoly_27
224: Commander_27 + 1
225: BellusTerra_27 + 9
226: Morpher26_27 + 1
227: Stasia_28
228: Stink_28
229: PetiteSangsue_27
230: Shygu2_27
231: TiroTheta9_27
232: Miramae_27
233: Mayonnaise_27 + 1
234: SenorClean_27
235: Pumbaa_27
236: AbbysRanger_27
237: Shaka_27
238: TroyPia_27
239: Tinybot_26 + 1
240: Cindaradix_26
241: Noelle_27
242: Perplexer_27
243: AvatarAnPeg_28
244: Eurydice_27
245: Micasa_24
246: AgentM_24 + 4
247: Mllcery_24 + 3
248: Archetta_24 + 4
249: Jabiru_24
250: Midas2_24 + 1

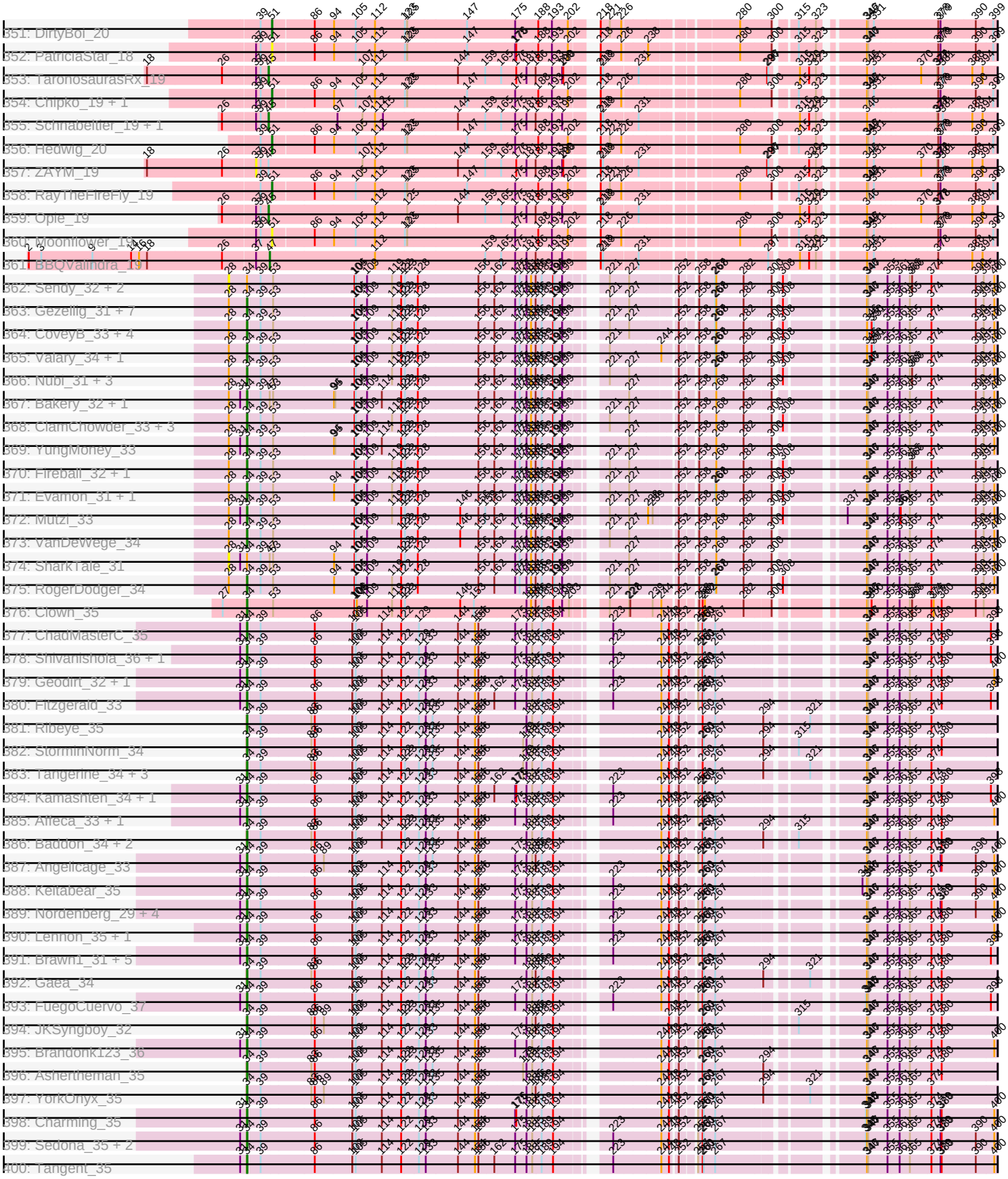
Pham 347014



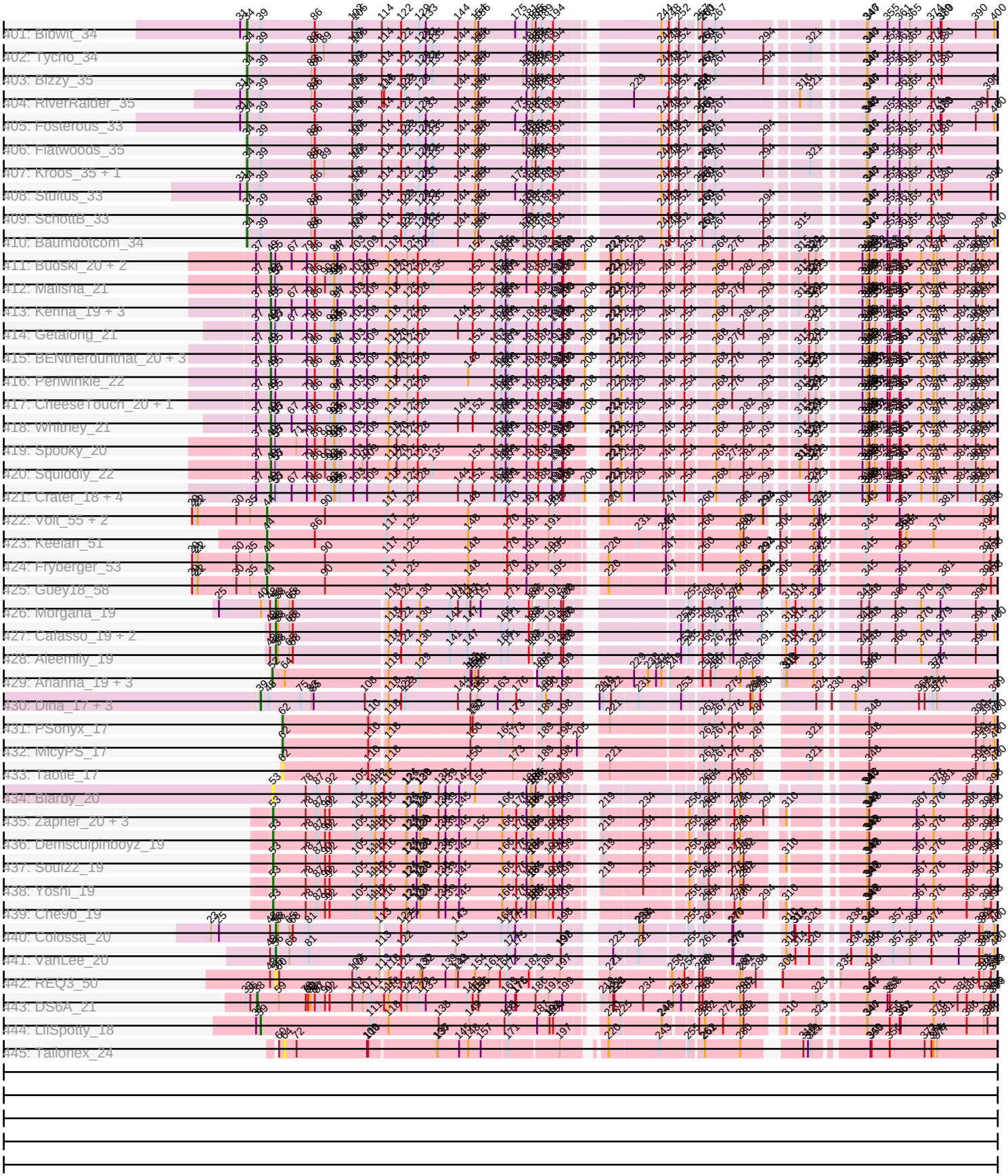
Pham 347014



Pham 347014


351: DirtyBoi_20
352: PatriciaStar_18
353: TaronosaurasRex_19
354: Chipko_19 + 1
355: Schnabeltier_19 + 1
356: Hedwig_20
357: ZAYM_19
358: RayTheFireFly_19
359: Opie_19
360: Moonflower_19
361: BBQValindra_19
362: Sendy_32 + 2
363: Gezellig_31 + 7
364: CoveyB_33 + 4
365: Valary_34 + 1
366: Nubi_31 + 3
367: Bakery_32 + 1
368: ClamChowder_33 + 3
369: YungMoney_33
370: Fireball_32 + 1
371: Evamon_31 + 1
372: Mutzi_33
373: VanDeWege_34
374: SharkTale_31
375: RogerDodger_34
376: Clown_35
377: ChadMasterC_35
378: Shivanishola_36 + 1
379: Geodirt_32 + 1
380: Fitzgerald_33
381: Ribeye_35
382: StormInNorm_34
383: Tangerine_34 + 3
384: Kamashten_34 + 1
385: Alleca_33 + 1
386: Baddon_34 + 2
387: Angelicage_33
388: Keitabear_35
389: Nordenberg_29 + 4
390: Lennon_35 + 1
391: Brawn1_31 + 5
392: Gaea_34
393: FuegoCuervo_37
394: JKSyngboy_32
395: BrandonK123_36
396: Ashertheman_35
397: YorkOnyx_35
398: Charming_35
399: Sedona_35 + 2
400: Tangent_35

Pham 347014


401: Bibwit_34
402: Tycho_34
403: Bizzy_35
404: RiverRaider_35
405: Fosterous_33
406: Flatwoods_35
407: Kroos_35 + 1
408: Stultus_33
409: SchottB_33
410: Baumdotcom_34
411: Budski_20 + 2
412: Malisha_21
413: Kenna_19 + 3
414: Getalong_21
415: BENtherdunthat_20 + 3
416: Periwinkle_22
417: CheeseTouch_20 + 1
418: Whitney_21
419: Spooky_20
420: Squiddly_22
421: Crater_18 + 4
422: Volt_55 + 2
423: Keelan_51
424: Fryberger_53
425: Guey18_58
426: Morgana_19
427: Calasso_19 + 2
428: Aleemily_19
429: Arianna_19 + 3
430: Dina_17 + 3
431: PSonyx_17
432: MicyPS_17
433: Taotie_17
434: Blarby_20
435: Zapher_20 + 3
436: Demsculpinboyz_19
437: Soul22_19
438: Yoshi_19
439: Che9d_19
440: Colossa_20
441: VanLee_20
442: REQ3_50
443: DS6A_21
444: LilSpotty_18
445: Tallonex_24

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 347014 Report

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

Pham number 347014 has 1150 members, 82 are drafts.

Phages represented in each track:
• Track 1 : Corvo_28, HermioneGrange_27, Arcanine_28, MetalQZJ_27, MaryBeth_27, Rajelicia_27, Alvin_28, HanShotFirst_27, Rufus_28, Bethlehem_27, STLscum_28
• Track 2 : Bexan_26, SwissCheese_28, Forsytheast_26, Seanderson_28, StrongArm_26, Moose_26, LilBib_28, Pelly_28
• Track 3 : EnzoK_28, Bones_27, KBG_28, PacerPaul_27, Smairt_28
• Track 4 : QTRlifeCrisis_27, ILeeKay_29, PhineBark_26, Jerm2_28, KSSJEB_27, Gachnar_27, Seabiscuit_29, Eyeball_27, Bob3_26, TwoPeat_28, LunarLander_27, Espresso_27, Gandalf20_28, MPlant7149_26, Dulcie_26, Gwendoluna_29, MilleFeuille_26, Fascinus_26, BarrowTuph_26, Mule_27, Pita2_29, Acme_29, Mryolo_26, Beatrix_27, Lopton_28, Pepe_28, Aeneas_29, PattyP_29, TheloniousMonk_29, Gyzlar_29, Lesedi_26, Payneful_27, Teodoridan_25, PSullivan_29, Adahisdi_28, Petp2012_29, Abrogate_280, Abbyshoes_28, Dussy_28, Maroc7_26, Marco3_27, Marchy_26, Nerujay_28, Pippin_29, BaconJack_29, Makemake_27, Big3_27, BigMau_29, Tote_29, JuliaChild_29, Ohno789_27, KyMonks1A_29, Applejack_27, Sibs6_29, Bxb1_25, Norz_29, Paraselene_26, PhrostyMug_27, Kugel_28, Jorgensen_27, StewieG_26, Michley_27, Rohr_28, Rhynn_27, Raid_27, JackSparrow_28, Molly_28, Jasper_28, Ciao_27, ShortQueendom_27, Ichabod_28, Ashballer_27, Puppet_27, Tripl3t_28, BeesKnees_28, Kenmech_30, Sagefire_28, Ruotula_26, Swole_29, GrecoEtereo_29, Kanely_28, Target_30, Levia_27, Zeeculate_27
• Track 5 : Aldrich_29, GroundGoblin_29, DirtDevil_29, Noxious_30, CatBus_29, KikiBouba_30, Hermia_30
• Track 6 : Cueylyss_27
• Track 7 : Naira_28, Barriga_27, Niza_29, Fenn_28, Squee_28
• Track 8 : Nhonho_27, Wheeler_27, Marge_28, Homines_27
• Track 9 : Blesser_27
• Track 10 : Tasp14_28, Lamina13_27, Briton15_29, Hope4ever_27
• Track 11 : Rutherferd_29
• Track 12 : SarFire_27, SkiPole_29, Pari_28, Thor_27
• Track 13 : Magnito_26, Hami1_29, Turj99_26, Trouble_28
• Track 14 : CactusRose_26
• Track 15 : Oogway_26, Iqorha_26, Licorice_29, Marcell_27, Kykar_25, GageAP_29, DrFeelGood_26, Inyanga_26, Violet_26, Snazzy_26, BigPaolini_28, Watermelon_29, Doom_28, PherrisBueller_28, McSinger_28, DreamCatcher_30, Atkinbua_29, Ringer_27, AFIS_27, Manatee_28, Switzer_28, RidgeCB_27, Traft412_29, Sunshine924_26

• Track 16 : Blackflame_27
• Track 17 : Monet_29, BPBiebs31_28, Solon_27, HarryOW_28, Altman_29, Chanagan_26, Burton_28, Arlo_26, Edtherson_28, Marsha_27, ConceptII_29, Froghopper_28, PascalRango_26, Treddle_29, Museum_29, Scowl_28
• Track 18 : Rubeus_28, Euphoria_27, Killigrew_25
• Track 19 : MrGordo_27
• Track 20 : Pinto_30, SpikeBT_29, Sumter_26, Dreamboat_28, Greg_29, Fajezeel_29
• Track 21 : Papez_29, Zeuska_28, PowerRanger_28
• Track 22 : NEHalo_27, PinkPlastic_26, Sanya_27, Blue_27, U2_27, BluSpix_27
• Track 23 : Bigfoot_26, Phlippers_26
• Track 24 : Agaliana_28
• Track 25 : Crispicous1_26, BillKnuckles_28
• Track 26 : CartmannCramer_27
• Track 27 : Francis47_27, Bircsak_27, Gompeii16_27
• Track 28 : Petruchio_28
• Track 29 : Bruns_26, Parliament_26, GMonster_26
• Track 30 : Bigchungi_27, Sandaddy_26, Sorpresa_27
• Track 31 : DD5_28, Lockley_27
• Track 32 : ChristmasHams_28
• Track 33 : Peterson_30
• Track 34 : Ajay_28
• Track 35 : Graduation_29
• Track 36 : Perseus_28
• Track 37 : Carlyle_29
• Track 38 : IgnatiusPatJac_26
• Track 39 : ProMouse_28
• Track 40 : JC27_29
• Track 41 : Magnar_27
• Track 42 : Dexes_28
• Track 43 : Slagathor_28
• Track 44 : Anglerfish_28, Dynamix_28, McGuire_28
• Track 45 : Fushigi_28
• Track 46 : Zephyr_27
• Track 47 : Buttons_29
• Track 48 : Paphu_26
• Track 49 : Smeagol_29
• Track 50 : A6_25, BK1_25
• Track 51 : Whitspit_28
• Track 52 : Alsfro_31
• Track 53 : Topgun_27
• Track 54 : Mkhuseli_28
• Track 55 : Wilkins_27
• Track 56 : DontArgue_26
• Track 57 : Kristoff_28
• Track 58 : Rowdy_31, Shapes_31, DustyMartin_31
• Track 59 : Eaglepride_28
• Track 60 : RhynO_28
• Track 61 : Edison31_27, WalterMcMickey_27, Twister_27
• Track 62 : PeaceMeal1_26, Drake94_26, KittenMittens_26, Trike_25, Severus_26
• Track 63 : Poompha_26
• Track 64 : OKCentral2016_27, Goose_27, Chupacabra_27
• Track 65 : Rebeuca_28

• Track 66 : Topanga_27
• Track 67 : Kimba_28, Aneem_28, Salz_28, Hutc2_28, Orange_28, Ebony_28, Sham4_28, Insomnia_28, Joselito_28, Jabith_28, Et2Brutus_27, Wolpertinger_27, Bud_28, Mulciber_28, Petersenfast_28, Snape_28, Munch_28, Lucivia_28
• Track 68 : Flaverint_28, Fibonacci_28, Timothy_28
• Track 69 : Bachome_28
• Track 70 : TinyTimmy_28
• Track 71 : Mabel_28
• Track 72 : Saskia_28, Bowtie_28
• Track 73 : Gilberta_28
• Track 74 : MaCh_28
• Track 75 : Zimmer_30
• Track 76 : Pharaoh_28
• Track 77 : Refuge_31
• Track 78 : DarthPhader_29
• Track 79 : Steamy_29
• Track 80 : Phlei_23
• Track 81 : Jeeves_28
• Track 82 : SororFago_28
• Track 83 : Luchador_30
• Track 84 : Sunhee_28
• Track 85 : Gail_28
• Track 86 : Anon_28
• Track 87 : Boohoo_30, Strosahl_30, Oofda_30, Looper_31, MinecraftSteve_31, Rosalind_30, Battleship_31, Soups_30, JSwag_30, Waits_30, KatherineG_30, Warrior24_30, Nebulosus_30, ShayRa_31, Ravana_30, Switzerland_30, LastResort_30, Anaysia_30, Epsocamisio_30, ReMo_30, Remus_30
• Track 88 : DekHockey33_30
• Track 89 : Elle_28
• Track 90 : LogiBear_30
• Track 91 : Nedarya_29
• Track 92 : Lucyedi_29
• Track 93 : EagleEye_30
• Track 94 : PainterBoy_29
• Track 95 : 40AC_31
• Track 96 : MyraDee_25
• Track 97 : Kimona_24
• Track 98 : SemperFi_30
• Track 99 : First_0028
• Track 100 : Superchunk_27, Caraxes_27
• Track 101 : Loser_31
• Track 102 : TipsytheTRex_27
• Track 103 : Bradman_27, Quokka_26, MajorMajor_27
• Track 104 : Benvolio_28, Echild_28
• Track 105 : JoshKayV_30, ChipMunk_30
• Track 106 : Naji_31, D29_28, D32_31
• Track 107 : Whabigail7_30, Dignity_30, Bugsy_30, Jerm_30, AbbyPaige_30, LilTurb_30, Turbido_30
• Track 108 : Agape74_30
• Track 109 : Jaan_31, Landor_29
• Track 110 : NaSiaTalie_28, Piro94_29
• Track 111 : LadyBird_28
• Track 112 : Retro23_28

• Track 113 : Colin_31
• Track 114 : Leogania_30
• Track 115 : Adzzy_29, Ph8s_29
• Track 116 : IronMan_30
• Track 117 : Flare16_28, MiculUcigas_28
• Track 118 : L5_28, Koduck_29
• Track 119 : MissWhite_28
• Track 120 : Kerberos_31, StarStuff_31, Pomar16_31
• Track 121 : Tristan_29
• Track 122 : Heffalump_30, Fameo_28, QueenB2_28
• Track 123 : Trooper_28
• Track 124 : Baehexic_29
• Track 125 : NothingSpecial_30
• Track 126 : Dalmatian_28
• Track 127 : ANI8_31, VC3_31, C3_26, AN9_31, VA6_28, AN3_28
• Track 128 : BiancaTri92_30
• Track 129 : Leviathan_30
• Track 130 : NicoleTera_32
• Track 131 : Tomathan_31, Travvers_31
• Track 132 : Terrific_30, Updawg_30, Equemioh13_30, Centaur_30, WideWale_30
• Track 133 : Iwokeuplikedis_29
• Track 134 : DBQu4n_31, Duplo_31
• Track 135 : Sknot_28
• Track 136 : Pukovnik_30
• Track 137 : Herbertwm_25
• Track 138 : KingCyrus_30
• Track 139 : Odin_27
• Track 140 : BobSwaget_31
• Track 141 : Malec_29, Larenn_29
• Track 142 : Anselm_28
• Track 143 : EZMoney23_32
• Track 144 : ForesterFrank_30
• Track 145 : Serenity_27
• Track 146 : TarsusIV_28
• Track 147 : Georgie2_29, SweetiePie_28, Power_28
• Track 148 : HippoHollow_29, LionsBait_29
• Track 149 : Trixie_31
• Track 150 : HarryHoudini_30
• Track 151 : CRB1_28
• Track 152 : Phaded_31
• Track 153 : WeiHuaDA_33
• Track 154 : DudeLittle_28
• Track 155 : Gratitude_30
• Track 156 : Changeling_30
• Track 157 : ArcherNM_30
• Track 158 : Drake55_30
• Track 159 : AnnaL29_31
• Track 160 : DeerParkTS_29
• Track 161 : 20ES_28
• Track 162 : Lokk_31
• Track 163 : Deloris_29, BengiVuitton_29
• Track 164 : FiringLine_28, QueenBeesly_28
• Track 165 : Bactobuster_29

• Track 166 : Smeagan_30
• Track 167 : BabyBack_30
• Track 168 : SwirlSquare_29
• Track 169 : GaugeLDP_30
• Track 170 : Miko_31
• Track 171 : Jsquared_27
• Track 172 : Kalpine_31
• Track 173 : Prudy_31
• Track 174 : Journey13_26
• Track 175 : Acolyte_28
• Track 176 : SnapTap_28
• Track 177 : EvilGenius_30
• Track 178 : RedRock_31
• Track 179 : Rachaly_31
• Track 180 : Che12_30
• Track 181 : Crucio_28
• Track 182 : XianYue_28
• Track 183 : Anthony_27
• Track 184 : FatCactus_26
• Track 185 : Kinmap_28
• Track 186 : Chargerpower_29
• Track 187 : Texage_27, Margo_28, QuinnKiro_27, Veracruz_27, Lambert1_28, Norbert_27, Todacoro_28, Panamaxus_27, Caviar_28, ResDef_28, Noella_28, Hookmount_28, Popcicle_28, Pocahontas_28, EtoileNova_28
• Track 188 : Sabinator_29, Croquant_30, PotatoSplit_30, AugsMagnumOpus_31, KADY_30, Montavir_28, Cullens_29, Watson_29, Ollie_29, Lilith_29, AgronaGT15_29, Phoxy_29, Wooldri_31, Vix_29, Malinsilva_31, LBerry_29, Phoebe_29, Anubis_31, Spike509_29, Daishi_28, SoYo_29, Grub_29, Methuselah_28, LugYA_31, Beauxregard13_29, Louie6_29, TinyPebbles_29, Bxz2_28, Soshari_31, PGHhamlin_31, Penny1_29, EpicPhail_29, Farber_29, Aglet_29, Tiffany_29, GtownJaz_29, MuchMore_31, GingkoMaracino_29, Microwolf_29, Pembroke_29, Bigflo_29, Marie_29, BuzzBuzz_28, Misomonster_31, Fernando_29, DaHudson_29, LarryKay_29, MarQuardt_29, Colbster_29, Rummer_29, Gwennie_29, Lowa_29, MoneyMay_29, Taurus_29
• Track 189 : Scout_27, Fred313_27, Kachowdy_27, Heathen_27, Roimos_27, HelDan_27, Goose1X_27, Zarafa_27, Marchesa_27, Cat_25, Shep_27, Goose1D_27, DropBear_27
• Track 190 : Hercules11_29
• Track 191 : PurpleHaze_29, PhishRPhriends_28, Gemma_29, Calvinny_29, Manu_30, Groupthink_30, ClownCar_29, Kalb97_30, Pawn_29, Heliosoles_29
• Track 192 : JF2_27, B1_25, JF4_27
• Track 193 : ACFishhook_29, JeppNRM_30, HaveUMetTed_30, Kalnoky_30
• Track 194 : Mainiac_29, Stagni_29, Sabia_29, MadMarie_29, BreSam8_29, P28Green_29, Grif_29
• Track 195 : BlueBird_28, Giroux_28, Idleandcovert_27, Bugatti_28, Clammy_28, SaturnRing_27, Pistachio_28
• Track 196 : Phantastic_27
• Track 197 : Grum1_29
• Track 198 : Dieselweasel_29
• Track 199 : Phranny_30, Reba_30
• Track 200 : BabyJohn_26, Chiqui_26
• Track 201 : TNguyen7_27
• Track 202 : MK4_27

• Track 203 : SoilDragon_29, Zetzy_28, Jobu08_29
• Track 204 : StepMih_29
• Track 205 : Puppy_28
• Track 206 : BabyRay_27
• Track 207 : MA5_27
• Track 208 : Snickers_29
• Track 209 : OlanP_29
• Track 210 : Marius_30
• Track 211 : Rockstar_27, Isca_27
• Track 212 : JHC117_29
• Track 213 : JenCasNa_29
• Track 214 : HashRod_30
• Track 215 : Mundrea_27
• Track 216 : MeeZee_27, Alberto7_28, Deano_27, JetBlade_27, Connomayer_27, Florean_27, Nemo27_27, Junimo_26, ICleared_27, Caelakin_27, Dhanush_27, LittleB_27, Druantia_27, Iceman_28, LittleGuy_27, Holli_27, Citius_27, TygerBlood_27, TinaFeyge_27, Lunsford_28, Skipitt_27, Kingmustik0402_27, Palestino_26, Kampy_27, Funston_27, Romney_27, Rocksand_27, Burger_26, Eros_27, YoSam321_27, Taquarus_27, Bombshell_27, Bartimeaus_27, Wilbur_27, Ulysses_26, Arturo_26, Chaph_27, Albee_27, RockieBear_27, Flux_27, Maverick_27, Phacado_27, Eagle_26, BubbleTrouble_27, Sabertooth_27, Northrop_27, Jaykayelowell_27, Sultana_27, OKaNui_28, Mazhar510_27, Melvin_27, Abdiel_26, Millski_26, Cintron_27, Gadost_27, Broseidon_27, Phelipe_27, Polymorphads_27, Wizard007_27, NotAPhaseMom_27, Relief_27, Nebs_27, CentreCat_27, Lemur_27, LappelDuVide_27, Blackmoor_27, Eris_26, Morrow_27, Wander_27, Clarenza_27, KekoraPapaka_26, Spino_27, Roosevelt_27, Skadoosh_27, Bruiser_26, Maxo_27, JoongJeon_27, Ruin_27, Koreni_26, Cocoaberry_27, Annyong_27, Lorenzo_27, Medusa_27, Sparxx_27, Baby16_27, Houdini22_27, Kremtemulon_27, HamSlice_26, Eapen_27, Pipcraft_27, NorthStar_27, Koan_27, Peaches_27, Avle17_27, Scamp_27
• Track 217 : Camperdownii_26
• Track 218 : LHTSCC_28, Cerulean_28, ChampagnePapi_28, BangNhom_27, SheldonCooper_28, Obama12_28
• Track 219 : LeoAvram_27
• Track 220 : Phighter1804_27, Happiness_27, Iracema64_28, LochMonster_27
• Track 221 : Badger_27, Datway_27, Backyardigan_27, Wile_27, Xena_27, Achebe_26, Cici_27
• Track 222 : Bumblebee11_27
• Track 223 : KFPoly_27
• Track 224 : Commander_27, SteMason_27
• Track 225 : BellusTerra_27, Buckaroo_26, Phontbonne_27, Ohfah_27, Kyee_27, Thanksgivukkah_27, Kratark_27, DirtyDunning_27, Nyxis_27, Huxley_27
• Track 226 : Morpher26_27, Katalie136_27
• Track 227 : Stasia_28
• Track 228 : Stink_28
• Track 229 : PetiteSangsue_27
• Track 230 : Shygu2_27
• Track 231 : TiroTheta9_27
• Track 232 : Miramae_27
• Track 233 : Mayonnaise_27, PeterPeter_27
• Track 234 : SenorClean_27
• Track 235 : Pumbaa_27
• Track 236 : AbbysRanger_27

• Track 237 : Shaka_27
• Track 238 : TroyPia_27
• Track 239 : Tinybot_26, Rosa24_26
• Track 240 : Cindaradix_26
• Track 241 : Noelle_27
• Track 242 : Perplexer_27
• Track 243 : AvatarAhPeg_28
• Track 244 : Eurydice_27
• Track 245 : Micasa_24
• Track 246 : AgentM_24, Lev2_24, Phlorence_24, Aragog_24, Discoknowium_24
• Track 247 : Milcery_24, Bonamassa_24, Tarynearal_23, Prinashe11_24
• Track 248 : Archetta_24, Bluefalcon_23, ForGetIt_24, Jovo_24, Conspiracy_24
• Track 249 : Jabiru_24
• Track 250 : Midas2_24, Coog_24
• Track 251 : ElTiger69_24
• Track 252 : Chadwick_25, Naca_24, Scorpia_25, Benedict_24
• Track 253 : Theia_22
• Track 254 : PickleBack_24
• Track 255 : PetterN_25
• Track 256 : LittleCherry_24, George_23
• Track 257 : Florence1_24, Florence4_25
• Track 258 : Ghoulboy_24, Zolita_23, SydNat_24
• Track 259 : UnionJack_24
• Track 260 : Twigg_24
• Track 261 : Dublin_23
• Track 262 : HuhtaEnerson15_24
• Track 263 : MarysWell_23
• Track 264 : Cuco_24
• Track 265 : Swirley_24
• Track 266 : Tiger_24
• Track 267 : Airmid_24
• Track 268 : McFly_31, SuperCallie99_31, Neeharika16_31, Polyphemus_31, GreedyLawyer_31, Kazan_31, SuperAwesome_31, EricB_31, Pmask_31, BennyP_31, VohminGhazi_31, Newrala_31, Kipper29_31, DaVinci_31, Cookiedough_31, Chartreuse_31, Hoot_31
• Track 269 : Indra_31, Garak_32, Helmet_31, Temprado_31
• Track 270 : Hexamo_31, Jeffabunny_31, Blue7_31, Artemis2UCLA_31, Tucker_31, Wiks_31, Koko_31, Zaka_31, Lilbunny_31, Yokurt_31, Roksolana_31, BlessJoy_31, ToneTone_29, Zulu_31
• Track 271 : JewelBug_31
• Track 272 : CloudWang3_31
• Track 273 : Gruunaga_31, Gladiator_31, WunderPhul_31
• Track 274 : Blinn1_31, Priamo_31
• Track 275 : Imbriano_31
• Track 276 : Hammer_31
• Track 277 : DelvinSonDorr_30
• Track 278 : Candra_31
• Track 279 : SmellyB_31
• Track 280 : Isiphiwo_31
• Track 281 : Dorothea_31
• Track 282 : Rifter_31
• Track 283 : BABullseye_31
• Track 284 : Jordennis_31

• Track 285 : Toro_30, FlyCatcher_31, Sheen_29
• Track 286 : HINdeR_27
• Track 287 : PP_37
• Track 288 : DroogsArmy_28
• Track 289 : Timshel_28
• Track 290 : Expelliarmus_23, Dixon_24, Smeadley_24, Saintus_24, Stephig9_24, Caitlin_24, Groundhog_23, Roary_24, Astro_24, NearlyHeadless_24, Danforth_23
• Track 291 : Phillis_24
• Track 292 : Darrell_30
• Track 293 : Eidsmoe_30, Alma_30
• Track 294 : Jiawan_30, Lilleskat_30, Ayanochan_30, Beemo_30, ExplosioNervosa_30, RyeScarlet_30, Hanray_30, Scherzo_30, Onglai_29, EdogawaKiddo_30, Ugenie5_27, Pioneer_30, Fayely_30, Phonnegut_30, Sachima_30
• Track 295 : Aliter_30, PackMan_30, Phaeder_30, Myxus_30, HortumSL17_30
• Track 296 : Conquerage_30
• Track 297 : EmyBug_30, Spouty_30, Priya_30
• Track 298 : Toaka_27
• Track 299 : CogOmlette_26, Rahalelujah_27, Minispark_26, Bellris_27, WorldCup_26
• Track 300 : Tubs_30
• Track 301 : Klodlith_28, Charm_28
• Track 302 : BogosyJay_29, Maminiaina_29
• Track 303 : Celestialunch_27
• Track 304 : SheaKeira_28
• Track 305 : Vanisoa_27
• Track 306 : MegTheThird_28
• Track 307 : Yecey3_29
• Track 308 : Qobbit_30
• Track 309 : Elephantoon_29
• Track 310 : Keziacharles14_28
• Track 311 : LoneWolf_29
• Track 312 : Arissanae_28
• Track 313 : Holex_30
• Track 314 : DreamTeam1_28
• Track 315 : Harlequin_23, Yoncess_23, Bryce_23
• Track 316 : Swann_23, CosmicSans_23, Belenaria_23, Lillie_23, Alatin_23, Phrankenstein_23, TWAMP_23, StCroix_23, Erik_23, Nancinator_23, Rhodalysa_23, Espica_23, Bradshaw_23, Naiad_23, UhSalsa_23, Natosaleda_23
• Track 317 : Hiro_23, AppleCloud_21, Krishelle_23
• Track 318 : Dinger_23
• Track 319 : Rasputin_23, Alpacados_22, Yogi_23
• Track 320 : Bonanza_23
• Track 321 : RER2_16, Gollum_23, RexFury_23
• Track 322 : PhailMary_22
• Track 323 : Takoda_23, AngryOrchard_22
• Track 324 : Jester_23
• Track 325 : BobbyDazzler_23
• Track 326 : RGL3_16
• Track 327 : Partridge_23, Shuman_23
• Track 328 : Yakult_19
• Track 329 : Survivors_20
• Track 330 : Jamzy_21

• Track 331 : Zareef_20
• Track 332 : Orla_20
• Track 333 : Hexbug_20
• Track 334 : Azira_20
• Track 335 : MaVan_20, Nibbles_20
• Track 336 : RanchParmCat_21
• Track 337 : Wallaby_22, Wolfwood_20
• Track 338 : Nodigi_20
• Track 339 : Margaret_21
• Track 340 : Button_19
• Track 341 : Fribs8_19
• Track 342 : GiKK_21
• Track 343 : HannahD_19, GEazy_19, NaLuna_19
• Track 344 : Coriander_19
• Track 345 : Bunker_19
• Track 346 : BackstagePass_19
• Track 347 : Eyes_19
• Track 348 : Jecs_20
• Track 349 : Bowser_19
• Track 350 : Doggs_18
• Track 351 : DirtyBoi_20
• Track 352 : PatriciaStar_18
• Track 353 : TaronosaurasRx_19
• Track 354 : Chipko_19, Dmitri_19
• Track 355 : Schnabeltier_19, MagicMan_19
• Track 356 : Hedwig_20
• Track 357 : ZAYM_19
• Track 358 : RayTheFireFly_19
• Track 359 : Opie_19
• Track 360 : Moonflower_19
• Track 361 : BBQValindra_19
• Track 362 : Sendy_32, JohnPork_31, Shinji_31
• Track 363 : Gezellig_31, PullumCavea_31, Egi03_31, Wizard_31, Phlop_31, Arri_34, KimmyK_33, Halo3_32
• Track 364 : CoveyB_33, Danyall_33, Savbucketdawg_31, Twister6_33, Jambalaya_31
• Track 365 : Valary_34, CherryCola_34
• Track 366 : Nubi_31, Togo_31, SmokingBunny_31, Portcullis_31
• Track 367 : Bakery_32, Sixsevenium_32
• Track 368 : ClamChowder_33, PinkCoffee_33, Barb_33, Fugax_33
• Track 369 : YungMoney_33
• Track 370 : Fireball_32, TillyBobJoe_31
• Track 371 : Evamon_31, Salvador_31
• Track 372 : Mutzi_33
• Track 373 : VanDeWege_34
• Track 374 : SharkTale_31
• Track 375 : RogerDodger_34
• Track 376 : Clown_35
• Track 377 : ChadMasterC_35
• Track 378 : Shivanishola_36, MoontowerMania_34
• Track 379 : Geodirt_32, McKinley_37
• Track 380 : Fitzgerald_33
• Track 381 : Ribeye_35

• Track 382 : StorminNorm_34
• Track 383 : Tangerine_34, Gustavo_34, LilHam_32, Saronaya_34
• Track 384 : Kamashten_34, Thing3_34
• Track 385 : Affeca_33, BobBob_32
• Track 386 : Baddon_34, Stichling_32, Derg_30
• Track 387 : Angelicage_33
• Track 388 : Keitabear_35
• Track 389 : Nordenberg_29, McCrothy_35, Rofo_35, Love_38, Galadriel_35
• Track 390 : Lennon_35, Sitar_35
• Track 391 : Brawn1_31, Kewpiedoll_34, Sanjuju_33, Ailee_33, Barsten_35, Jabberwocky_33
• Track 392 : Gaea_34
• Track 393 : FuegoCuervo_37
• Track 394 : JKSyngboy_32
• Track 395 : Brandonk123_36
• Track 396 : Ashertheman_35
• Track 397 : YorkOnyx_35
• Track 398 : Charming_35
• Track 399 : Sedona_35, Vivi2_37, Paries_37
• Track 400 : Tangent_35
• Track 401 : Bibwit_34
• Track 402 : Tycho_34
• Track 403 : Bizzy_35
• Track 404 : RiverRaider_35
• Track 405 : Fosterous_33
• Track 406 : Flatwoods_35
• Track 407 : Kroos_35, Kwobi_36
• Track 408 : Stultus_33
• Track 409 : SchottB_33
• Track 410 : Baumdotcom_34
• Track 411 : Budski_20, Kamaru_20, Holliday_20
• Track 412 : Malisha_21
• Track 413 : Kenna_19, Lutum_20, Phabuloso_20, LitninMcQueen_20
• Track 414 : Getalong_21
• Track 415 : BENtherdunthat_20, Asapag_20, BotCity_20, Frickyeah_20
• Track 416 : Periwinkle_22
• Track 417 : CheeseTouch_20, ShawBrad_20
• Track 418 : Whitney_21
• Track 419 : Spooky_20
• Track 420 : Squiddly_22
• Track 421 : Crater_18, Horus_20, Apricot_19, Leroy_20, Phistory_21
• Track 422 : Volt_55, Ronaldo_56, Ziko_56
• Track 423 : Keelan_51
• Track 424 : Fryberger_53
• Track 425 : Guey18_58
• Track 426 : Morgana_19
• Track 427 : Cafasso_19, ObLaDi_19, ModicumRichard_19
• Track 428 : Aleemily_19
• Track 429 : Arianna_19, Poushou_19, TouchMeNot_19, Colleen_19
• Track 430 : Dina_17, Lederberg_17, SamW_17, Troy_17
• Track 431 : PSonyx_17
• Track 432 : MicyPS_17
• Track 433 : Taotie_17

• Track 434 : Blarby_20
• Track 435 : Zapner_20, SilverChicken_19, Avani_19, Jabbawokkie_21
• Track 436 : Demsculpinboyz_19
• Track 437 : Soul22_19
• Track 438 : Yoshi_19
• Track 439 : Che9d_19
• Track 440 : Colossa_20
• Track 441 : VanLee_20
• Track 442 : REQ3_50
• Track 443 : DS6A_21
• Track 444 : LilSpotty_18
• Track 445 : Tailonex_24

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

The start number called the most often in the published annotations is 50, it was called in 603 of the 1068 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_28, 40AC_31, ACFishhook_29, AN3_28, AN9_31, ANI8_31, AbbyPaige_30, AbbysRanger_27, Abdiel_26, Achebe_26, Acolyte_28, Adzzy_29, Agape74_30, AgentM_24, Aglet_29, AgronaGT15_29, Airmid_24, Albee_27, Alberto7_28, Anaysia_30, Aneem_28, AnnaL29_31, Annyong_27, Anon_28, Anselm_28, Anthony_27, Anubis_31, Aragog_24, ArcherNM_30, Archetta_24, Arissanae_28, Artemis2UCLA_31, Arturo_26, Astro_24, AugsMagnumOpus_31, AvatarAhPeg_28, Avle17_27, Ayanochan_30, B1_25, BABullseye_31, Baby16_27, BabyJohn_26, BabyRay_27, Bachome_28, Backyardigan_27, Bactobuster_29, Badger_27, Baehexic_29, BangNhom_27, Bartimeaus_27, Battleship_31, Beauxregard13_29, Beemo_30, Bellris_27, BellusTerra_27, Benedict_24, BengiVuitton_29, BennyP_31, Benvolio_28, BiancaTri92_30, Bigflo_29, Blackmoor_27, BlessJoy_31, Blinn1_31, Blue7_31, BlueBird_28, Bluefalcon_23, BogosyJay_29, Bombshell_27, Bonamassa_24, Boohoo_30, Bowtie_28, Bradman_27, BreSam8_29, Broseidon_27, Bruiser_26, BubbleTrouble_27, Buckaroo_26, Bud_28, Bugatti_28, Bugsy_30, Bumblebee11_27, Burger_26, BuzzBuzz_28, Bxz2_28, C3_26, CRB1_28, Caelakin_27, Caitlin_24, Calvinny_29, Camperdownii_26, Candra_31, Caraxes_27, Cat_25, Caviar_28, Celestialunch_27, Centaur_30, CentreCat_27, Cerulean_28, Chadwick_25, ChampagnePapi_28, Changeling_30, Chaph_27, Chargerpower_29, Charm_28, Chartreuse_31, Che12_30, ChipMunk_30, Chiqui_26, Chupacabra_27, Cici_27, Cintron_27, Citius_27, Clammy_28, Clarenza_27, ClownCar_29, Cocoaberry_27, CogOmlette_26, Colbster_29, Colin_31, Commander_27, Connomayer_27, Conquerage_30, Conspiracy_24, Coog_24, Cookiedough_31, Croquant_30, Crucio_28, Cuco_24, Cullens_29, D29_28, D32_31, DBQu4n_31, DaHudson_29, DaVinci_31, Daishi_28, Dalmatian_28, Danforth_23, Darrell_30, DarthPhader_29, Datway_27, Deano_27, DeerParkTS_29, Deloris_29, DelvinSonDorr_30, Dhanush_27, Dieselweasel_29, Dignity_30, DirtyDunning_27, Discoknowium_24, Dixon_24, DontArgue_26, Dorothea_31, Drake55_30, Drake94_26, DreamTeam1_28, DroogsArmy_28, DropBear_27, Druantia_27, Dublin_23, DudeLittle_28, Duplo_31, DustyMartin_31, EZMoney23_32, EagleEye_30, Eagle_26, Eaglepride_28, Eapen_27, Ebony_28, Echild_28, Edison31_27, EdogawaKiddo_30, ElTiger69_24, Elephantoon_29, Elle_28, EmyBug_30,

EpicPhail_29, Epsocamisio_30, Equemioh13_30, EricB_31, Eris_26, Eros_27, Et2Brutus_27, EtoileNova_28, Eurydice_27, EvilGenius_30, Expelliarmus_23, ExplosioNervosa_30, Fameo_28, Farber_29, FatCactus_26, Fayely_30, Fernando_29, Fibonacci_28, FiringLine_28, First_0028, Flare16_28, Flaverint_28, Florean_27, Florence1_24, Florence4_25, Flux_27, FlyCatcher_31, ForGetIt_24, Fred313_27, Funston_27, Gadost_27, Gail_28, Garak_32, GaugeLDP_30, Gemma_29, George_23, Georgie2_29, Ghoulboy_24, Gilberta_28, GingkoMaracino_29, Giroux_28, Gladiator_31, Goose1D_27, Goose1X_27, Goose_27, GreedyLawyer_31, Grif_29, Groundhog_23, Groupthink_30, Grub_29, Grum1_29, Gruunaga_31, GtownJaz_29, Gwennie_29, HINdeR_27, HamSlice_26, Hammer_31, Hanray_30, Happiness_27, HarryHoudini_30, HashRod_30, HaveUMetTed_30, Heathen_27, Heffalump_30, HelDan_27, Heliosoles_29, Helmet_31, Herbertwm_25, Hercules11_29, Hexamo_31, HippoHollow_29, Holex_30, Holli_27, Hookmount_28, Hoot_31, Houdini22_27, HuhtaEnerson15_24, Hutc2_28, Huxley_27, ICleared_27, Iceman_28, Idleandcovert_27, Imbriano_31, Indra_31, Insomnia_28, Iracema64_28, IronMan_30, Isca_27, Isiphiwo_31, Iwokeuplikedis_29, JF2_27, JF4_27, JHC117_29, JSwag_30, Jaan_31, Jabiru_24, Jabith_28, Jaykayelowell_27, Jeeves_28, Jeffabunny_31, JenCasNa_29, JeppNRM_30, Jerm_30, JetBlade_27, JewelBug_31, Jiawan_30, Jobu08_29, JoongJeon_27, Joselito_28, JoshKayV_30, Journey13_26, Jovo_24, Jsquared_27, Junimo_26, KADY_30, KFPoly_27, Kachowdy_27, Kalb97_30, Kalnoky_30, Kampy_27, Katalie136_27, KatherineG_30, Kazan_31, KekoraPapaka_26, Kerberos_31, Keziacharles14_28, Kimba_28, Kimona_24, KingCyrus_30, Kingmustik0402_27, Kinmap_28, Kipper29_31, KittenMittens_26, Klodlith_28, Koan_27, Koduck_29, Koko_31, Koreni_26, Kratark_27, Kremtemulon_27, Kristoff_28, Kyee_27, L5_28, LBerry_29, LHTSCC_28, LadyBird_28, Lambert1_28, Landor_29, LappelDuVide_27, Larenn_29, LarryKay_29, LastResort_30, Lemur_27, LeoAvram_27, Leogania_30, Lev2_24, Leviathan_30, LilTurb_30, Lilbunny_31, Lilith_29, Lilleskat_30, LionsBait_29, LittleB_27, LittleCherry_24, LittleGuy_27, LochMonster_27, LogiBear_30, LoneWolf_29, Looper_31, Lorenzo_27, Loser_31, Louie6_29, Lowa_29, Luchador_30, Lucivia_28, Lucyedi_29, LugYA_31, Lunsford_28, MA5_27, MK4_27, MaCh_28, Mabel_28, MadMarie_29, Mainiac_29, MajorMajor_27, Malec_29, Malinsilva_31, Maminiaina_29, Manu_30, MarQuardt_29, Marchesa_27, Margo_28, Marie_29, Marius_30, Maverick_27, Maxo_27, Mayonnaise_27, Mazhar510_27, McFly_31, Medusa_27, MeeZee_27, Melvin_27, Methuselah_28, Micasa_24, Microwolf_29, MiculUcigas_28, Midas2_24, Miko_31, Milcery_24, Millski_26, MinecraftSteve_31, Minispark_26, Misomonster_31, MissWhite_28, MoneyMay_29, Montavir_28, Morpher26_27, Morrow_27, MuchMore_31, Mulciber_28, Munch_28, Mundrea_27, NaSiaTalie_28, Naca_24, Naji_31, NearlyHeadless_24, Nebs_27, Nebulosus_30, Nedarya_29, Neeharika16_31, Nemo27_27, Newrala_31, NicoleTera_32, Noella_28, Norbert_27, NorthStar_27, Northrop_27, NotAPhaseMom_27, NothingSpecial_30, Nyxis_27, OKCentral2016_27, OKaNui_28, Obama12_28, Odin_27, Ohfah_27, OlanP_29, Ollie_29, Onglai_29, Oofda_30, Orange_28, P28Green_29, PGHhamlin_31, PP_37, PainterBoy_29, Palestino_26, Panamaxus_27, Pawn_29, PeaceMeal1_26, Peaches_27, Pembroke_29, Penny1_29, Perplexer_27, PeterPeter_27, Petersenfast_28, PetiteSangsue_27, PetterN_25, Ph8s_29, Phacado_27, Phaded_31, Phantastic_27, Pharaoh_28, Phelipe_27, Phighter1804_27, Phillis_24, PhishRPhriends_28, Phlei_23, Phlorence_24, Phoebe_29, Phonnegut_30, Phontbonne_27, Phoxy_29, Phranny_30, PickleBack_24, Pioneer_30, Pipcraft_27, Piro94_29, Pistachio_28, Pmask_31, Pocahontas_28, Polymorphads_27, Polyphemus_31, Pomar16_31, Poompha_26, Popcicle_28, PotatoSplit_30, Power_28, Priamo_31, Prinashe11_24, Priya_30, Prudy_31, Pukovnik_30,

Pumbaa_27, Puppy_28, PurpleHaze_29, QueenB2_28, QueenBeesly_28, QuinnKiro_27, Quokka_26, Rachaly_31, Rahalelujah_27, Ravana_30, ReMo_30, Reba_30, Rebeuca_28, RedRock_31, Refuge_31, Relief_27, Remus_30, ResDef_28, Retro23_28, RhynO_28, Rifter_31, Roary_24, RockieBear_27, Rocksand_27, Rockstar_27, Roimos_27, Roksolana_31, Romney_27, Roosevelt_27, Rosa24_26, Rosalind_30, Rowdy_31, Ruin_27, Rummer_29, RyeScarlet_30, Sabertooth_27, Sabia_29, Sabinator_29, Sachima_30, Saintus_24, Salz_28, Saskia_28, SaturnRing_27, Scamp_27, Scherzo_30, Scorpia_25, Scout_27, SemperFi_30, SenorClean_27, Serenity_27, Severus_26, Shaka_27, Sham4_28, Shapes_31, ShayRa_31, SheaKeira_28, Sheen_29, SheldonCooper_28, Shep_27, Shygu2_27, Skadoosh_27, Skipitt_27, Sknot_28, Smeadley_24, Smeagan_30, SmellyB_31, SnapTap_28, Snape_28, Snickers_29, SoYo_29, SoilDragon_29, SororFago_28, Soshari_31, Soups_30, Sparxx_27, Spike509_29, Spino_27, Spouty_30, Stagni_29, StarStuff_31, Stasia_28, SteMason_27, Steamy_29, Stephig9_24, Stink_28, Strosahl_30, Sultana_27, Sunhee_28, SuperAwesome_31, SuperCallie99_31, Superchunk_27, SweetiePie_28, SwirlSquare_29, Swirley_24, Switzerland_30, SydNat_24, TNguyen7_27, Taquarus_27, TarsusIV_28, Tarynearal_23, Taurus_29, Temprado_31, Terrific_30, Texage_27, Thanksgivukkah_27, Theia_22, Tiffany_29, Tiger_24, Timothy_28, Timshel_28, TinaFeyge_27, TinyPebbles_29, TinyTimmy_28, Tinybot_26, TipsytheTRex_27, TiroTheta9_27, Toaka_27, Todacoro_28, Tomathan_31, ToneTone_29, Topanga_27, Toro_30, Travvers_31, Trike_25, Tristan_29, Trixie_31, Trooper_28, TroyPia_27, Tubs_30, Tucker_31, Turbido_30, Twigg_24, Twister_27, TygerBlood_27, Ugenie5_27, Ulysses_26, UnionJack_24, Updawg_30, VA6_28, VC3_31, Vanisoa_27, Veracruz_27, Vix_29, VohminGhazi_31, Waits_30, WalterMcMickey_27, Wander_27, Warrior24_30, Watson_29, WeiHuaDA_33, Whabigail7_30, WideWale_30, Wiks_31, Wilbur_27, Wile_27, Wizard007_27, Wolpertinger_27, Wooldri_31, WorldCup_26, WunderPhul_31, Xena_27, Yecey3_29, YoSam321_27, Yokurt_31, Zaka_31, Zarafa_27, Zetzy_28, Zimmer_30, Zolita_23, Zulu_31,

Genes that have the "Most Annotated" start but do not call it:
• Aliter_30, Alma_30, BabyBack_30, BobSwaget_31, Cindaradix_26, CloudWang3_31, DekHockey33_30, Eidsmoe_30, ForesterFrank_30, Gratitude_30, HortumSL17_30, Jordennis_31, Kalpine_31, Lokk_31, MarysWell_23, MegTheThird_28, Miramae_27, Myxus_30, Noelle_27, PackMan_30, Paphu_26, Phaeder_30, Qobbit_30, StepMih_29, XianYue_28,

Genes that do not have the "Most Annotated" start:
• A6_25, AFIS_27, Abbyshoes_28, Abrogate_280, Acme_29, Adahisdi_28, Aeneas_29, Affeca_33, Agaliana_28, Ailee_33, Ajay_28, Alatin_23, Aldrich_29, Aleemily_19, Alpacados_22, Alsfro_31, Altman_29, Alvin_28, Angelicage_33, Anglerfish_28, AngryOrchard_22, AppleCloud_21, Applejack_27, Apricot_19, Arcanine_28, Arianna_19, Arlo_26, Arri_34, Asapag_20, Ashballer_27, Ashertheman_35, Atkinbua_29, Avani_19, Azira_20, BBQValindra_19, BENtherdunthat_20, BK1_25, BPBiebs31_28, BackstagePass_19, BaconJack_29, Baddon_34, Bakery_32, Barb_33, Barriga_27, BarrowTuph_26, Barsten_35, Baumdotcom_34, Beatrix_27, BeesKnees_28, Belenaria_23, Bethlehem_27, Bexan_26, Bibwit_34, Big3_27, BigMau_29, BigPaolini_28, Bigchungi_27, Bigfoot_26, BillKnuckles_28, Bircsak_27, Bizzy_35, Blackflame_27, Blarby_20, Blesser_27, BluSpix_27, Blue_27, Bob3_26, BobBob_32, BobbyDazzler_23, Bonanza_23, Bones_27, BotCity_20, Bowser_19, Bradshaw_23, Brandonk123_36, Brawn1_31, Briton15_29, Bruns_26, Bryce_23, Budski_20, Bunker_19, Burton_28, Button_19, Buttons_29, Bxb1_25, CactusRose_26, Cafasso_19, Carlyle_29,

CartmannCramer_27, CatBus_29, ChadMasterC_35, Chanagan_26, Charming_35, Che9d_19, CheeseTouch_20, CherryCola_34, Chipko_19, ChristmasHams_28, Ciao_27, ClamChowder_33, Clown_35, Colleen_19, Colossa_20, ConceptII_29, Coriander_19, Corvo_28, CosmicSans_23, CoveyB_33, Crater_18, Crispicous1_26, Cueylyss_27, DD5_28, DS6A_21, Danyall_33, Demsculpinboyz_19, Derg_30, Dexes_28, Dina_17, Dinger_23, DirtDevil_29, DirtyBoi_20, Dmitri_19, Doggs_18, Doom_28, DrFeelGood_26, DreamCatcher_30, Dreamboat_28, Dulcie_26, Dussy_28, Dynamix_28, Edtherson_28, Egi03_31, EnzoK_28, Erik_23, Espica_23, Espresso_27, Euphoria_27, Evamon_31, Eyeball_27, Eyes_19, Fajezeel_29, Fascinus_26, Fenn_28, Fireball_32, Fitzgerald_33, Flatwoods_35, Forsytheast_26, Fosterous_33, Francis47_27, Fribs8_19, Frickyeah_20, Froghopper_28, Fryberger_53, FuegoCuervo_37, Fugax_33, Fushigi_28, GEazy_19, GMonster_26, Gachnar_27, Gaea_34, GageAP_29, Galadriel_35, Gandalf20_28, Geodirt_32, Getalong_21, Gezellig_31, GiKK_21, Gollum_23, Gompeii16_27, Graduation_29, GrecoEtereo_29, Greg_29, GroundGoblin_29, Guey18_58, Gustavo_34, Gwendoluna_29, Gyzlar_29, Halo3_32, Hami1_29, HanShotFirst_27, HannahD_19, Harlequin_23, HarryOW_28, Hedwig_20, Hermia_30, HermioneGrange_27, Hexbug_20, Hiro_23, Holliday_20, Homines_27, Hope4ever_27, Horus_20, ILeeKay_29, Ichabod_28, IgnatiusPatJac_26, Inyanga_26, Iqorha_26, JC27_29, JKSyngboy_32, Jabbawokkie_21, Jabberwocky_33, JackSparrow_28, Jambalaya_31, Jamzy_21, Jasper_28, Jecs_20, Jerm2_28, Jester_23, JohnPork_31, Jorgensen_27, JuliaChild_29, KBG_28, KSSJEB_27, Kamaru_20, Kamashten_34, Kanely_28, Keelan_51, Keitabear_35, Kenmech_30, Kenna_19, Kewpiedoll_34, KikiBouba_30, Killigrew_25, KimmyK_33, Krishelle_23, Kroos_35, Kugel_28, Kwobi_36, KyMonks1A_29, Kykar_25, Lamina13_27, Lederberg_17, Lennon_35, Leroy_20, Lesedi_26, Levia_27, Licorice_29, LilBib_28, LilHam_32, LilSpotty_18, Lillie_23, LitninMcQueen_20, Lockley_27, Lopton_28, Love_38, LunarLander_27, Lutum_20, MPlant7149_26, MaVan_20, MagicMan_19, Magnar_27, Magnito_26, Makemake_27, Malisha_21, Manatee_28, Marcell_27, Marchy_26, Marco3_27, Margaret_21, Marge_28, Maroc7_26, Marsha_27, MaryBeth_27, McCrothy_35, McGuire_28, McKinley_37, McSinger_28, MetalQZJ_27, Michley_27, MicyPS_17, MilleFeuille_26, Mkhuseli_28, ModicumRichard_19, Molly_28, Monet_29, Moonflower_19, MoontowerMania_34, Moose_26, Morgana_19, MrGordo_27, Mryolo_26, Mule_27, Museum_29, Mutzi_33, MyraDee_25, NEHalo_27, NaLuna_19, Naiad_23, Naira_28, Nancinator_23, Natosaleda_23, Nerujay_28, Nhonho_27, Nibbles_20, Niza_29, Nodigi_20, Nordenberg_29, Norz_29, Noxious_30, Nubi_31, ObLaDi_19, Ohno789_27, Oogway_26, Opie_19, Orla_20, PSonyx_17, PSullivan_29, PacerPaul_27, Papez_29, Paraselene_26, Pari_28, Paries_37, Parliament_26, Partridge_23, PascalRango_26, PatriciaStar_18, PattyP_29, Payneful_27, Pelly_28, Pepe_28, Periwinkle_22, Perseus_28, Peterson_30, Petp2012_29, Petruchio_28, Phabuloso_20, PhailMary_22, PherrisBueller_28, PhineBark_26, Phistory_21, Phlippers_26, Phlop_31, Phrankenstein_23, PhrostyMug_27, PinkCoffee_33, PinkPlastic_26, Pinto_30, Pippin_29, Pita2_29, Portcullis_31, Poushou_19, PowerRanger_28, ProMouse_28, PullumCavea_31, Puppet_27, QTRlifeCrisis_27, REQ3_50, RER2_16, RGL3_16, Raid_27, Rajelicia_27, RanchParmCat_21, Rasputin_23, RayTheFireFly_19, RexFury_23, Rhodalysa_23, Rhynn_27, Ribeye_35, RidgeCB_27, Ringer_27, RiverRaider_35, Rofo_35, RogerDodger_34, Rohr_28, Ronaldo_56, Rubeus_28, Rufus_28, Ruotula_26, Rutherferd_29, STLscum_28, Sagefire_28, Salvador_31, SamW_17, Sandaddy_26, Sanjuju_33, Sanya_27, SarFire_27, Saronaya_34, Savbucketdawg_31, Schnabeltier_19, SchottB_33, Scowl_28, Seabiscuit_29, Seanderson_28, Sedona_35, Sendy_32, SharkTale_31, ShawBrad_20, Shinji_31, Shivanishola_36, ShortQueendom_27, Shuman_23, Sibs6_29, SilverChicken_19,

Sitar_35, Sixsevenium_32, SkiPole_29, Slagathor_28, Smairt_28, Smeagol_29, SmokingBunny_31, Snazzy_26, Solon_27, Sorpresa_27, Soul22_19, SpikeBT_29, Spooky_20, Squee_28, Squiddly_22, StCroix_23, StewieG_26, Stichling_32, StorminNorm_34, StrongArm_26, Stultus_33, Sumter_26, Sunshine924_26, Survivors_20, Swann_23, SwissCheese_28, Switzer_28, Swole_29, TWAMP_23, Tailonex_24, Takoda_23, Tangent_35, Tangerine_34, Taotie_17, Target_30, TaronosaurasRx_19, Tasp14_28, Teodoridan_25, TheloniousMonk_29, Thing3_34, Thor_27, TillyBobJoe_31, Togo_31, Topgun_27, Tote_29, TouchMeNot_19, Traft412_29, Treddle_29, Tripl3t_28, Trouble_28, Troy_17, Turj99_26, Twister6_33, TwoPeat_28, Tycho_34, U2_27, UhSalsa_23, Valary_34, VanDeWege_34, VanLee_20, Violet_26, Vivi2_37, Volt_55, Wallaby_22, Watermelon_29, Wheeler_27, Whitney_21, Whitspit_28, Wilkins_27, Wizard_31, Wolfwood_20, Yakult_19, Yogi_23, Yoncess_23, YorkOnyx_35, Yoshi_19, YungMoney_33, ZAYM_19, Zapner_20, Zareef_20, Zeeculate_27, Zephyr_27, Zeuska_28, Ziko_56,

Summary by start number:

Start 28:
• Found in 37 of 1150 (3.2%) of genes in pham
• No Manual Annotations of this start.
• Called 10.8% of time when present
• Phage (with cluster) where this start called: JohnPork_31 (DC1), Sendy_32 (DC1), SharkTale_31 (DC1), Shinji_31 (DC1),

Start 34:
• Found in 94 of 1150 (8.2%) of genes in pham
• Manual Annotations of this start: 86 of 1068
• Called 95.7% of time when present
• Phage (with cluster) where this start called: Affeca_33 (DE1), Ailee_33 (DE1), Angelicage_33 (DE1), Arri_34 (DC1), Ashertheman_35 (DE1), Baddon_34 (DE1), Bakery_32 (DC1), Barb_33 (DC1), Barsten_35 (DE1), Baumdotcom_34 (DE1), Bibwit_34 (DE1), Bizzy_35 (DE1), BobBob_32 (DE1), Brandonk123_36 (DE1), Brawn1_31 (DE1), ChadMasterC_35 (DE1), Charming_35 (DE1), CherryCola_34 (DC1), ClamChowder_33 (DC1), Clown_35 (DC2), CoveyB_33 (DC1), Danyall_33 (DC1), Derg_30 (DE1), Egi03_31 (DC1), Evamon_31 (DC1), Fireball_32 (DC1), Fitzgerald_33 (DE1), Flatwoods_35 (DE1), Fosterous_33 (DE1), FuegoCuervo_37 (DE1), Fugax_33 (DC1), Gaea_34 (DE1), Galadriel_35 (DE1), Geodirt_32 (DE1), Gezellig_31 (DC1), Gustavo_34 (DE1), Halo3_32 (DC1), JKSyngboy_32 (DE1), Jabberwocky_33 (DE1), Jambalaya_31 (DC1), Kamashten_34 (DE1), Keitabear_35 (DE1), Kewpiedoll_34 (DE1), KimmyK_33 (DC1), Kroos_35 (DE1), Kwobi_36 (DE1), Lennon_35 (DE1), LilHam_32 (DE1), Love_38 (DE1), McCrothy_35 (DE1), McKinley_37 (DE1), MoontowerMania_34 (DE1), Mutzi_33 (DC1), Nordenberg_29 (DE1), Nubi_31 (DC1), Paries_37 (DE1), Phlop_31 (DC1), PinkCoffee_33 (DC1), Portcullis_31 (DC1), PullumCavea_31 (DC1), Ribeye_35 (DE1), RiverRaider_35 (DE1), Rofo_35 (DE1), RogerDodger_34 (DC1), Salvador_31 (DC1), Sanjuju_33 (DE1), Saronaya_34 (DE1), Savbucketdawg_31 (DC1), SchottB_33 (DE1), Sedona_35 (DE1), Shivanishola_36 (DE1), Sitar_35 (DE1), Sixsevenium_32 (DC1), SmokingBunny_31 (DC1), Stichling_32 (DE1), StorminNorm_34 (DE1), Stultus_33 (DE1), Tangent_35 (DE1), Tangerine_34 (DE1), Thing3_34 (DE1), TillyBobJoe_31 (DC1), Togo_31 (DC1), Twister6_33 (DC1), Tycho_34 (DE1), Valary_34 (DC1), VanDeWege_34 (DC1), Vivi2_37 (DE1), Wizard_31 (DC1), YorkOnyx_35 (DE1), YungMoney_33 (DC1),

Start 37:
• Found in 53 of 1150 (4.6%) of genes in pham
• No Manual Annotations of this start.
• Called 1.9% of time when present
• Phage (with cluster) where this start called: ZAYM_19 (DB),

Start 38:
• Found in 1 of 1150 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1068
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DS6A_21 (singleton),

Start 39:
• Found in 115 of 1150 (10.0%) of genes in pham
• Manual Annotations of this start: 5 of 1068
• Called 4.3% of time when present
• Phage (with cluster) where this start called: Dina_17 (EP), Lederberg_17 (EP), LilSpotty_18 (singleton), SamW_17 (EP), Troy_17 (EP),

Start 41:
• Found in 426 of 1150 (37.0%) of genes in pham
• Manual Annotations of this start: 10 of 1068
• Called 2.3% of time when present
• Phage (with cluster) where this start called: BabyBack_30 (A2), BobSwaget_31 (A2), CloudWang3_31 (A6), DekHockey33_30 (A15), ForesterFrank_30 (A2), Gratitude_30 (A2), Jordennis_31 (A6), Kalpine_31 (A2), Lokk_31 (A2), XianYue_28 (A2),

Start 43:
• Found in 20 of 1150 (1.7%) of genes in pham
• Manual Annotations of this start: 2 of 1068
• Called 10.0% of time when present
• Phage (with cluster) where this start called: MarysWell_23 (A5), Nodigi_20 (CT),

Start 44:
• Found in 6 of 1150 (0.5%) of genes in pham
• Manual Annotations of this start: 6 of 1068
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_53 (DP), Guey18_58 (DP), Keelan_51 (DP), Ronaldo_56 (DP), Volt_55 (DP), Ziko_56 (DP),

Start 45:
• Found in 12 of 1150 (1.0%) of genes in pham
• Manual Annotations of this start: 6 of 1068
• Called 58.3% of time when present
• Phage (with cluster) where this start called: Bowser_19 (DB), Eyes_19 (DB), Jecs_20 (DB), MagicMan_19 (DB), Opie_19 (DB), Schnabeltier_19 (DB), TaronosaurasRx_19 (DB),

Start 47:
• Found in 9 of 1150 (0.8%) of genes in pham
• Manual Annotations of this start: 5 of 1068
• Called 66.7% of time when present

• Phage (with cluster) where this start called: BBQValindra_19 (DB), BackstagePass_19 (DB), Bunker_19 (DB), GEazy_19 (DB), HannahD_19 (DB), NaLuna_19 (DB),

Start 48:
• Found in 46 of 1150 (4.0%) of genes in pham
• Manual Annotations of this start: 8 of 1068
• Called 17.4% of time when present
• Phage (with cluster) where this start called: Aliter_30 (A9), Alma_30 (A9), Eidsmoe_30 (A9), HortumSL17_30 (A9), Myxus_30 (A9), PackMan_30 (A9), Phaeder_30 (A9), Qobbit_30 (A9),

Start 49:
• Found in 41 of 1150 (3.6%) of genes in pham
• Manual Annotations of this start: 37 of 1068
• Called 95.1% of time when present
• Phage (with cluster) where this start called: Apricot_19 (DN3), Asapag_20 (DN1), Azira_20 (CT), BENtherdunthat_20 (DN1), BotCity_20 (DN), Budski_20 (DN), Button_19 (CT), CheeseTouch_20 (DN1), Crater_18 (DN3), Fribs8_19 (CT), Frickyeah_20 (DN1), Getalong_21 (DN1), GiKK_21 (CT), Hexbug_20 (CT), Holliday_20 (DN1), Horus_20 (DN1), Jamzy_21 (CT), Kamaru_20 (DN1), Kenna_19 (DN1), Leroy_20 (DN1), LitninMcQueen_20 (DN1), Lutum_20 (DN1), MaVan_20 (CT), Malisha_21 (DN), Margaret_21 (CT), Nibbles_20 (CT), Orla_20 (CT), Periwinkle_22 (DN1), Phabuloso_20 (DN1), Phistory_21 (DN1), RanchParmCat_21 (CT), ShawBrad_20 (DN1), Spooky_20 (DN2), Squiddly_22 (DN2), Survivors_20 (CT), Wallaby_22 (CT), Whitney_21 (DN1), Wolfwood_20 (CT), Yakult_19 (CT),

Start 50:
• Found in 672 of 1150 (58.4%) of genes in pham
• Manual Annotations of this start: 603 of 1068
• Called 96.3% of time when present
• Phage (with cluster) where this start called: 20ES_28 (A2), 40AC_31 (A17), ACFishhook_29 (A3), AN3_28 (A2), AN9_31 (A2), ANI8_31 (A2), AbbyPaige_30 (A2), AbbysRanger_27 (A4), Abdiel_26 (A4), Achebe_26 (A4), Acolyte_28 (A2), Adzzy_29 (A2), Agape74_30 (A2), AgentM_24 (A5), Aglet_29 (A3), AgronaGT15_29 (A3), Airmid_24 (A5), Albee_27 (A4), Alberto7_28 (A4), Anaysia_30 (A15), Aneem_28 (A11), AnnaL29_31 (A2), Annyong_27 (A4), Anon_28 (A15), Anselm_28 (A2), Anthony_27 (A20), Anubis_31 (A3), Aragog_24 (A5), ArcherNM_30 (A2), Archetta_24 (A5), Arissanae_28 (A9), Artemis2UCLA_31 (A6), Arturo_26 (A4), Astro_24 (A8), AugsMagnumOpus_31 (A3), AvatarAhPeg_28 (A4), Avle17_27 (A4), Ayanochan_30 (A9), B1_25 (A3), BABullseye_31 (A6), Baby16_27 (A4), BabyJohn_26 (A3), BabyRay_27 (A3), Bachome_28 (A11), Backyardigan_27 (A4), Bactobuster_29 (A2), Badger_27 (A4), Baehexic_29 (A2), BangNhom_27 (A4), Bartimeaus_27 (A4), Battleship_31 (A15), Beauxregard13_29 (A3), Beemo_30 (A9), Bellris_27 (A9), BellusTerra_27 (A4), Benedict_24 (A5), BengiVuitton_29 (A2), BennyP_31 (A6), Benvolio_28 (A2), BiancaTri92_30 (A2), Bigflo_29 (A3), Blackmoor_27 (A4), BlessJoy_31 (A6), Blinn1_31 (A6), Blue7_31 (A6), BlueBird_28 (A3), Bluefalcon_23 (A5), BogosyJay_29 (A9), Bombshell_27 (A4), Bonamassa_24 (A5), Boohoo_30 (A15), Bowtie_28 (A11), Bradman_27 (A2), BreSam8_29 (A3), Broseidon_27 (A4), Bruiser_26 (A4), BubbleTrouble_27 (A4), Buckaroo_26 (A4), Bud_28 (A11), Bugatti_28 (A3), Bugsy_30 (A2), Bumblebee11_27 (A4), Burger_26 (A4), BuzzBuzz_28 (A3), Bxz2_28 (A3), C3_26 (A2), CRB1_28 (A2), Caelakin_27 (A4), Caitlin_24 (A8), Calvinny_29 (A3), Camperdownii_26 (A4), Candra_31 (A6),

Caraxes_27 (A2), Cat_25 (A3), Caviar_28 (A3), Celestialunch_27 (A9), Centaur_30 (A2), CentreCat_27 (A4), Cerulean_28 (A4), Chadwick_25 (A5), ChampagnePapi_28 (A4), Changeling_30 (A2), Chaph_27 (A4), Chargerpower_29 (A22), Charm_28 (A9), Chartreuse_31 (A6), Che12_30 (A2), ChipMunk_30 (A2), Chiqui_26 (A3), Chupacabra_27 (A10), Cici_27 (A4), Cintron_27 (A4), Citius_27 (A4), Clammy_28 (A3), Clarenza_27 (A4), ClownCar_29 (A3), Cocoaberry_27 (A4), CogOmlette_26 (A9), Colbster_29 (A3), Colin_31 (A2), Commander_27 (A4), Connomayer_27 (A4), Conquerage_30 (A9), Conspiracy_24 (A5), Coog_24 (A5), Cookiedough_31 (A6), Croquant_30 (A3), Crucio_28 (A2), Cuco_24 (A5), Cullens_29 (A3), D29_28 (A2), D32_31 (A2), DBQu4n_31 (A2), DaHudson_29 (A3), DaVinci_31 (A6), Daishi_28 (A3), Dalmatian_28 (A2), Danforth_23 (A8), Darrell_30 (A9), DarthPhader_29 (A12), Datway_27 (A4), Deano_27 (A4), DeerParkTS_29 (A2), Deloris_29 (A2), DelvinSonDorr_30 (A6), Dhanush_27 (A4), Dieselweasel_29 (A3), Dignity_30 (A2), DirtyDunning_27 (A4), Discoknowium_24 (A5), Dixon_24 (A8), DontArgue_26 (A10), Dorothea_31 (A6), Drake55_30 (A2), Drake94_26 (A10), DreamTeam1_28 (A9), DroogsArmy_28 (A7), DropBear_27 (A3), Druantia_27 (A4), Dublin_23 (A5), DudeLittle_28 (A2), Duplo_31 (A2), DustyMartin_31 (A10), EZMoney23_32 (A2), EagleEye_30 (A16), Eagle_26 (A4), Eaglepride_28 (A10), Eapen_27 (A4), Ebony_28 (A11), Echild_28 (A2), Edison31_27 (A10), EdogawaKiddo_30 (A9), ElTiger69_24 (A5), Elephantoon_29 (A9), Elle_28 (A15), EmyBug_30 (A9), EpicPhail_29 (A3), Epsocamisio_30 (A15), Equemioh13_30 (A2), EricB_31 (A6), Eris_26 (A4), Eros_27 (A4), Et2Brutus_27 (A11), EtoileNova_28 (A3), Eurydice_27 (A4), EvilGenius_30 (A2), Expelliarmus_23 (A8), ExplosioNervosa_30 (A9), Fameo_28 (A2), Farber_29 (A3), FatCactus_26 (A20), Fayely_30 (A9), Fernando_29 (A3), Fibonacci_28 (A11), FiringLine_28 (A2), First_0028 (A2), Flare16_28 (A2), Flaverint_28 (A11), Florean_27 (A4), Florence1_24 (A5), Florence4_25 (A5), Flux_27 (A4), FlyCatcher_31 (A7), ForGetIt_24 (A5), Fred313_27 (A3), Funston_27 (A4), Gadost_27 (A4), Gail_28 (A14), Garak_32 (A6), GaugeLDP_30 (A2), Gemma_29 (A3), George_23 (A5), Georgie2_29 (A2), Ghoulboy_24 (A5), Gilberta_28 (A11), GingkoMaracino_29 (A3), Giroux_28 (A3), Gladiator_31 (A6), Goose1D_27 (A3), Goose1X_27 (A3), Goose_27 (A10), GreedyLawyer_31 (A6), Grif_29 (A3), Groundhog_23 (A8), Groupthink_30 (A3), Grub_29 (A3), Grum1_29 (A3), Gruunaga_31 (A6), GtownJaz_29 (A3), Gwennie_29 (A3), HINdeR_27 (A7), HamSlice_26 (A4), Hammer_31 (A6), Hanray_30 (A9), Happiness_27 (A4), HarryHoudini_30 (A2), HashRod_30 (A3), HaveUMetTed_30 (A3), Heathen_27 (A3), Heffalump_30 (A2), HelDan_27 (A3), Heliosoles_29 (A3), Helmet_31 (A6), Herbertwm_25 (A2), Hercules11_29 (A3), Hexamo_31 (A6), HippoHollow_29 (A2), Holex_30 (A9), Holli_27 (A4), Hookmount_28 (A3), Hoot_31 (A6), Houdini22_27 (A4), HuhtaEnerson15_24 (A5), Hutc2_28 (A11), Huxley_27 (A4), ICleared_27 (A4), Iceman_28 (A4), Idleandcovert_27 (A3), Imbriano_31 (A6), Indra_31 (A6), Insomnia_28 (A11), Iracema64_28 (A4), IronMan_30 (A2), Isca_27 (A3), Isiphiwo_31 (A6), Iwokeuplikedis_29 (A2), JF2_27 (A3), JF4_27 (A3), JHC117_29 (A3), JSwag_30 (A15), Jaan_31 (A2), Jabiru_24 (A5), Jabith_28 (A11), Jaykayelowell_27 (A4), Jeeves_28 (A14), Jeffabunny_31 (A6), JenCasNa_29 (A3), JeppNRM_30 (A3), Jerm_30 (A2), JetBlade_27 (A4), JewelBug_31 (A6), Jiawan_30 (A9), Jobu08_29 (A3), JoongJeon_27 (A4), Joselito_28 (A11), JoshKayV_30 (A2), Journey13_26 (A2), Jovo_24 (A5), Jsquared_27 (A2), Junimo_26 (A4), KADY_30 (A3), KFPoly_27 (A4), Kachowdy_27 (A3), Kalb97_30 (A3), Kalnoky_30 (A3), Kampy_27 (A4), Katalie136_27 (A4), KatherineG_30 (A15), Kazan_31 (A6), KekoraPapaka_26 (A4), Kerberos_31 (A2), Keziacharles14_28 (A9), Kimba_28 (A11), Kimona_24 (A19), KingCyrus_30 (A2), Kingmustik0402_27 (A4), Kinmap_28 (A21), Kipper29_31 (A6), KittenMittens_26 (A10), Klodlith_28 (A9), Koan_27 (A4), Koduck_29 (A2), Koko_31 (A6), Koreni_26 (A4), Kratark_27 (A4), Kremtemulon_27 (A4), Kristoff_28 (A10),

Kyee_27 (A4), L5_28 (A2), LBerry_29 (A3), LHTSCC_28 (A4), LadyBird_28 (A2), Lambert1_28 (A3), Landor_29 (A2), LappelDuVide_27 (A4), Larenn_29 (A2), LarryKay_29 (A3), LastResort_30 (A15), Lemur_27 (A4), LeoAvram_27 (A4), Leogania_30 (A2), Lev2_24 (A5), Leviathan_30 (A2), LilTurb_30 (A2), Lilbunny_31 (A6), Lilith_29 (A3), Lilleskat_30 (A9), LionsBait_29 (A2), LittleB_27 (A4), LittleCherry_24 (A5), LittleGuy_27 (A4), LochMonster_27 (A4), LogiBear_30 (A15), LoneWolf_29 (A9), Looper_31 (A15), Lorenzo_27 (A4), Loser_31 (A2), Louie6_29 (A3), Lowa_29 (A3), Luchador_30 (A14), Lucivia_28 (A11), Lucyedi_29 (A16), LugYA_31 (A3), Lunsford_28 (A4), MA5_27 (A3), MK4_27 (A3), MaCh_28 (A11), Mabel_28 (A11), MadMarie_29 (A3), Mainiac_29 (A3), MajorMajor_27 (A2), Malec_29 (A2), Malinsilva_31 (A3), Maminiaina_29 (A9), Manu_30 (A3), MarQuardt_29 (A3), Marchesa_27 (A3), Margo_28 (A3), Marie_29 (A3), Marius_30 (A3), Maverick_27 (A4), Maxo_27 (A4), Mayonnaise_27 (A4), Mazhar510_27 (A4), McFly_31 (A6), Medusa_27 (A4), MeeZee_27 (A4), Melvin_27 (A4), Methuselah_28 (A3), Micasa_24 (A5), Microwolf_29 (A3), MiculUcigas_28 (A2), Midas2_24 (A5), Miko_31 (A2), Milcery_24 (A5), Millski_26 (A4), MinecraftSteve_31 (A15), Minispark_26 (A9), Misomonster_31 (A3), MissWhite_28 (A2), MoneyMay_29 (A3), Montavir_28 (A3), Morpher26_27 (A4), Morrow_27 (A4), MuchMore_31 (A3), Mulciber_28 (A11), Munch_28 (A11), Mundrea_27 (A4), NaSiaTalie_28 (A2), Naca_24 (A5), Naji_31 (A2), NearlyHeadless_24 (A8), Nebs_27 (A4), Nebulosus_30 (A15), Nedarya_29 (A15), Neeharika16_31 (A6), Nemo27_27 (A4), Newrala_31 (A6), NicoleTera_32 (A2), Noella_28 (A3), Norbert_27 (A3), NorthStar_27 (A4), Northrop_27 (A4), NotAPhaseMom_27 (A4), NothingSpecial_30 (A2), Nyxis_27 (A4), OKCentral2016_27 (A10), OKaNui_28 (A4), Obama12_28 (A4), Odin_27 (A2), Ohfah_27 (A4), OlanP_29 (A3), Ollie_29 (A3), Onglai_29 (A9), Oofda_30 (A15), Orange_28 (A11), P28Green_29 (A3), PGHhamlin_31 (A3), PP_37 (A7), PainterBoy_29 (A16), Palestino_26 (A4), Panamaxus_27 (A3), Pawn_29 (A3), PeaceMeal1_26 (A10), Peaches_27 (A4), Pembroke_29 (A3), Penny1_29 (A3), Perplexer_27 (A4), PeterPeter_27 (A4), Petersenfast_28 (A11), PetiteSangsue_27 (A4), PetterN_25 (A5), Ph8s_29 (A2), Phacado_27 (A4), Phaded_31 (A2), Phantastic_27 (A3), Pharaoh_28 (A12), Phelipe_27 (A4), Phighter1804_27 (A4), Phillis_24 (A8), PhishRPhriends_28 (A3), Phlei_23 (A13), Phlorence_24 (A5), Phoebe_29 (A3), Phonnegut_30 (A9), Phontbonne_27 (A4), Phoxy_29 (A3), Phranny_30 (A3), PickleBack_24 (A5), Pioneer_30 (A9), Pipcraft_27 (A4), Piro94_29 (A2), Pistachio_28 (A3), Pmask_31 (A6), Pocahontas_28 (A3), Polymorphads_27 (A4), Polyphemus_31 (A6), Pomar16_31 (A2), Poompha_26 (A10), Popcicle_28 (A3), PotatoSplit_30 (A3), Power_28 (A2), Priamo_31 (A6), Prinashe11_24 (A5), Priya_30 (A9), Prudy_31 (A2), Pukovnik_30 (A2), Pumbaa_27 (A4), Puppy_28 (A3), PurpleHaze_29 (A3), QueenB2_28 (A2), QueenBeesly_28 (A2), QuinnKiro_27 (A3), Quokka_26 (A2), Rachaly_31 (A2), Rahalelujah_27 (A9), Ravana_30 (A15), ReMo_30 (A15), Reba_30 (A3), Rebeuca_28 (A10), RedRock_31 (A2), Refuge_31 (A12), Relief_27 (A4), Remus_30 (A15), ResDef_28 (A3), Retro23_28 (A2), RhynO_28 (A10), Rifter_31 (A6), Roary_24 (A8), RockieBear_27 (A4), Rocksand_27 (A4), Rockstar_27 (A3), Roimos_27 (A3), Roksolana_31 (A6), Romney_27 (A4), Roosevelt_27 (A4), Rosa24_26 (A4), Rosalind_30 (A15), Rowdy_31 (A10), Ruin_27 (A4), Rummer_29 (A3), RyeScarlet_30 (A9), Sabertooth_27 (A4), Sabia_29 (A3), Sabinator_29 (A3), Sachima_30 (A9), Saintus_24 (A8), Salz_28 (A11), Saskia_28 (A11), SaturnRing_27 (A3), Scamp_27 (A4), Scherzo_30 (A9), Scorpia_25 (A5), Scout_27 (A3), SemperFi_30 (A2), SenorClean_27 (A4), Serenity_27 (A2), Severus_26 (A10), Shaka_27 (A4), Sham4_28 (A11), Shapes_31 (A10), ShayRa_31 (A15), SheaKeira_28 (A9), Sheen_29 (A7), SheldonCooper_28 (A4), Shep_27 (A3), Shygu2_27 (A4), Skadoosh_27 (A4), Skipitt_27 (A4), Sknot_28 (A2), Smeadley_24 (A8), Smeagan_30 (A2), SmellyB_31 (A6), SnapTap_28 (A2), Snape_28 (A11),

Snickers_29 (A3), SoYo_29 (A3), SoilDragon_29 (A3), SororFago_28 (A14), Soshari_31 (A3), Soups_30 (A15), Sparxx_27 (A4), Spike509_29 (A3), Spino_27 (A4), Spouty_30 (A9), Stagni_29 (A3), StarStuff_31 (A2), Stasia_28 (A4), SteMason_27 (A4), Steamy_29 (A12), Stephig9_24 (A8), Stink_28 (A4), Strosahl_30 (A15), Sultana_27 (A4), Sunhee_28 (A14), SuperAwesome_31 (A6), SuperCallie99_31 (A6), Superchunk_27 (A2), SweetiePie_28 (A2), SwirlSquare_29 (A2), Swirley_24 (A5), Switzerland_30 (A15), SydNat_24 (A5), TNguyen7_27 (A3), Taquarus_27 (A4), TarsusIV_28 (A2), Tarynearal_23 (A5), Taurus_29 (A3), Temprado_31 (A6), Terrific_30 (A2), Texage_27 (A3), Thanksgivukkah_27 (A4), Theia_22 (A5), Tiffany_29 (A3), Tiger_24 (A5), Timothy_28 (A11), Timshel_28 (A7), TinaFeyge_27 (A4), TinyPebbles_29 (A3), TinyTimmy_28 (A11), Tinybot_26 (A4), TipsytheTRex_27 (A2), TiroTheta9_27 (A4), Toaka_27 (A9), Todacoro_28 (A3), Tomathan_31 (A2), ToneTone_29 (A6), Topanga_27 (A10), Toro_30 (A7), Travvers_31 (A2), Trike_25 (A10), Tristan_29 (A2), Trixie_31 (A2), Trooper_28 (A2), TroyPia_27 (A4), Tubs_30 (A9), Tucker_31 (A6), Turbido_30 (A2), Twigg_24 (A5), Twister_27 (A10), TygerBlood_27 (A4), Ugenie5_27 (A9), Ulysses_26 (A4), UnionJack_24 (A5), Updawg_30 (A2), VA6_28 (A2), VC3_31 (A2), Vanisoa_27 (A9), Veracruz_27 (A3), Vix_29 (A3), VohminGhazi_31 (A6), Waits_30 (A15), WalterMcMickey_27 (A10), Wander_27 (A4), Warrior24_30 (A15), Watson_29 (A3), WeiHuaDA_33 (A2), Whabigail7_30 (A2), WideWale_30 (A2), Wiks_31 (A6), Wilbur_27 (A4), Wile_27 (A4), Wizard007_27 (A4), Wolpertinger_27 (A11), Wooldri_31 (A3), WorldCup_26 (A9), WunderPhul_31 (A6), Xena_27 (A4), Yecey3_29 (A9), YoSam321_27 (A4), Yokurt_31 (A6), Zaka_31 (A6), Zarafa_27 (A3), Zetzy_28 (A3), Zimmer_30 (A12), Zolita_23 (A5), Zulu_31 (A6),

Start 51:
• Found in 9 of 1150 (0.8%) of genes in pham
• Manual Annotations of this start: 6 of 1068
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chipko_19 (DB), Coriander_19 (DB), DirtyBoi_20 (DB), Dmitri_19 (DB), Doggs_18 (DB), Hedwig_20 (DB), Moonflower_19 (DB), PatriciaStar_18 (DB), RayTheFireFly_19 (DB),

Start 52:
• Found in 250 of 1150 (21.7%) of genes in pham
• Manual Annotations of this start: 230 of 1068
• Called 95.6% of time when present
• Phage (with cluster) where this start called: A6_25 (A1), AFIS_27 (A1), Abbyshoes_28 (A1), Abrogate_280 (A1), Acme_29 (A1), Adahisdi_28 (A1), Aeneas_29 (A1), Ajay_28 (A1), Aldrich_29 (A1), Alsfro_31 (A1), Altman_29 (A1), Alvin_28 (A1), Anglerfish_28 (A1), Applejack_27 (A1), Arcanine_28 (A1), Arianna_19 (EO), Arlo_26 (A1), Ashballer_27 (A1), Atkinbua_29 (A1), BK1_25 (A1), BPBiebs31_28 (A1), BaconJack_29 (A1), Barriga_27 (A1), BarrowTuph_26 (A1), Beatrix_27 (A1), BeesKnees_28 (A1), Bethlehem_27 (A1), Bexan_26 (A1), Big3_27 (A1), BigMau_29 (A1), BigPaolini_28 (A1), Bigchungi_27 (A1), Bigfoot_26 (A1), BillKnuckles_28 (A1), Bircsak_27 (A1), BluSpix_27 (A1), Blue_27 (A1), Bob3_26 (A1), Bones_27 (A1), Briton15_29 (A1), Bruns_26 (A1), Burton_28 (A1), Buttons_29 (A1), Bxb1_25 (A1), CactusRose_26 (A1), Carlyle_29 (A1), CatBus_29 (A1), Chanagan_26 (A1), Ciao_27 (A1), Colleen_19 (EO), ConceptII_29 (A1), Corvo_28 (A1), Crispicous1_26 (A1), Cueylyss_27 (A1), DD5_28 (A1), Dexes_28 (A1), DirtDevil_29 (A1), Doom_28 (A1), DrFeelGood_26 (A1), DreamCatcher_30 (A1), Dreamboat_28 (A1), Dulcie_26 (A1), Dussy_28 (A1), Dynamix_28 (A1), Edtherson_28 (A1), EnzoK_28 (A1), Espresso_27 (A1), Euphoria_27 (A1), Eyeball_27 (A1), Fajezeel_29

(A1), Fascinus_26 (A1), Fenn_28 (A1), Forsytheast_26 (A1), Francis47_27 (A1), Froghopper_28 (A1), Fushigi_28 (A1), GMonster_26 (A1), Gachnar_27 (A1), GageAP_29 (A1), Gandalf20_28 (A1), Gompeii16_27 (A1), Graduation_29 (A1), GrecoEtereo_29 (A1), Greg_29 (A1), GroundGoblin_29 (A1), Gwendoluna_29 (A1), Gyzlar_29 (A1), Hami1_29 (A1), HanShotFirst_27 (A1), HarryOW_28 (A1), Hermia_30 (A1), HermioneGrange_27 (A1), Homines_27 (A1), Hope4ever_27 (A1), ILeeKay_29 (A1), Ichabod_28 (A1), Inyanga_26 (A1), Iqorha_26 (A1), JC27_29 (A1), JackSparrow_28 (A1), Jasper_28 (A1), Jerm2_28 (A1), Jorgensen_27 (A1), JuliaChild_29 (A1), KBG_28 (A1), KSSJEB_27 (A1), Kanely_28 (A1), Kenmech_30 (A1), KikiBouba_30 (A1), Killigrew_25 (A1), Kugel_28 (A1), KyMonks1A_29 (A1), Kykar_25 (A1), Lamina13_27 (A1), Lesedi_26 (A1), Levia_27 (A1), Licorice_29 (A1), LilBib_28 (A1), Lockley_27 (A1), Lopton_28 (A1), LunarLander_27 (A1), MPlant7149_26 (A1), Magnito_26 (A1), Makemake_27 (A1), Manatee_28 (A1), Marcell_27 (A1), Marchy_26 (A1), Marco3_27 (A1), Marge_28 (A1), Maroc7_26 (A1), Marsha_27 (A1), MaryBeth_27 (A1), McGuire_28 (A1), McSinger_28 (A1), MetalQZJ_27 (A1), Michley_27 (A1), MilleFeuille_26 (A1), Mkhuseli_28 (A1), Molly_28 (A1), Monet_29 (A1), Moose_26 (A1), MrGordo_27 (A1), Mryolo_26 (A1), Mule_27 (A1), Museum_29 (A1), MyraDee_25 (A18), NEHalo_27 (A1), Naira_28 (A1), Nerujay_28 (A1), Nhonho_27 (A1), Niza_29 (A1), Norz_29 (A1), Noxious_30 (A1), Ohno789_27 (A1), Oogway_26 (A1), PSullivan_29 (A1), PacerPaul_27 (A1), Paphu_26 (A1), Paraselene_26 (A1), Pari_28 (A1), Parliament_26 (A1), PascalRango_26 (A1), PattyP_29 (A1), Payneful_27 (A1), Pelly_28 (A1), Pepe_28 (A1), Perseus_28 (A1), Peterson_30 (A1), Petp2012_29 (A1), Petruchio_28 (A1), PherrisBueller_28 (A1), PhineBark_26 (A1), Phlippers_26 (A1), PhrostyMug_27 (A1), PinkPlastic_26 (A1), Pinto_30 (A1), Pippin_29 (A1), Pita2_29 (A1), Poushou_19 (EO), ProMouse_28 (A1), Puppet_27 (A1), QTRlifeCrisis_27 (A1), Raid_27 (A1), Rajelicia_27 (A1), Rhynn_27 (A1), RidgeCB_27 (A1), Ringer_27 (A1), Rohr_28 (A1), Rubeus_28 (A1), Rufus_28 (A1), Ruotula_26 (A1), Rutherferd_29 (A1), STLscum_28 (A1), Sagefire_28 (A1), Sandaddy_26 (A1), Sanya_27 (A1), SarFire_27 (A1), Scowl_28 (A1), Seabiscuit_29 (A1), Seanderson_28 (A1), ShortQueendom_27 (A1), Sibs6_29 (A1), SkiPole_29 (A1), Slagathor_28 (A1), Smairt_28 (A1), Smeagol_29 (A1), Snazzy_26 (A1), Solon_27 (A1), Sorpresa_27 (A1), SpikeBT_29 (A1), Squee_28 (A1), StewieG_26 (A1), StrongArm_26 (A1), Sumter_26 (A1), Sunshine924_26 (A1), SwissCheese_28 (A1), Switzer_28 (A1), Swole_29 (A1), Target_30 (A1), Tasp14_28 (A1), Teodoridan_25 (A1), TheloniousMonk_29 (A1), Thor_27 (A1), Topgun_27 (A1), Tote_29 (A1), TouchMeNot_19 (EO), Traft412_29 (A1), Treddle_29 (A1), Tripl3t_28 (A1), Trouble_28 (A1), Turj99_26 (A1), TwoPeat_28 (A1), U2_27 (A1), Violet_26 (A1), Watermelon_29 (A1), Wheeler_27 (A1), Wilkins_27 (A1), Zeeculate_27 (A1), Zephyr_27 (A1),

Start 53:
• Found in 47 of 1150 (4.1%) of genes in pham
• Manual Annotations of this start: 7 of 1068
• Called 19.1% of time when present
• Phage (with cluster) where this start called: Avani_19 (F2), Blarby_20 (F), Che9d_19 (F2), Demsculpinboyz_19 (F2), Jabbawokkie_21 (F2), SilverChicken_19 (F2), Soul22_19 (F2), Yoshi_19 (F2), Zapner_20 (F2),

Start 54:
• Found in 25 of 1150 (2.2%) of genes in pham
• Manual Annotations of this start: 3 of 1068
• Called 12.0% of time when present

• Phage (with cluster) where this start called: Cindaradix_26 (A4), Miramae_27 (A4), Noelle_27 (A4),

Start 55:
• Found in 29 of 1150 (2.5%) of genes in pham
• Manual Annotations of this start: 1 of 1068
• Called 3.4% of time when present
• Phage (with cluster) where this start called: Zareef_20 (CT),

Start 56:
• Found in 8 of 1150 (0.7%) of genes in pham
• Manual Annotations of this start: 7 of 1068
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_19 (DZ), Cafasso_19 (DZ), Colossa_20 (KA), ModicumRichard_19 (DZ), Morgana_19 (DZ), ObLaDi_19 (DZ), REQ3_50 (singleton), VanLee_20 (KA),

Start 60:
• Found in 24 of 1150 (2.1%) of genes in pham
• Manual Annotations of this start: 3 of 1068
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Bonanza_23 (CA), Dinger_23 (CA), Jester_23 (CA),

Start 61:
• Found in 249 of 1150 (21.7%) of genes in pham
• Manual Annotations of this start: 6 of 1068
• Called 3.2% of time when present
• Phage (with cluster) where this start called: Agaliana_28 (A1), Blackflame_27 (A1), Blesser_27 (A1), IgnatiusPatJac_26 (A1), Magnar_27 (A1), Papez_29 (A1), PowerRanger_28 (A1), Zeuska_28 (A1),

Start 62:
• Found in 3 of 1150 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 1068
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MicyPS_17 (EQ), PSonyx_17 (EQ), Taotie_17 (EQ),

Start 64:
• Found in 43 of 1150 (3.7%) of genes in pham
• Manual Annotations of this start: 32 of 1068
• Called 79.1% of time when present
• Phage (with cluster) where this start called: Alatin_23 (CA), Alpacados_22 (CA), AngryOrchard_22 (CA), AppleCloud_21 (CA), Belenaria_23 (CA), Bradshaw_23 (CA), Bryce_23 (CA), CosmicSans_23 (CA), Erik_23 (CA), Espica_23 (CA), Gollum_23 (CA), Harlequin_23 (CA), Hiro_23 (CA), Krishelle_23 (CA), Lillie_23 (CA), Naiad_23 (CA), Nancinator_23 (CA), Natosaleda_23 (CA), Partridge_23 (CA), PhailMary_22 (CA), Phrankenstein_23 (CA), RER2_16 (CA), Rasputin_23 (CA), RexFury_23 (CA), Rhodalysa_23 (CA), Shuman_23 (CA), StCroix_23 (CA), Swann_23 (CA), TWAMP_23 (CA), Tailonex_24 (singleton), Takoda_23 (CA), UhSalsa_23 (CA), Yogi_23 (CA), Yoncess_23 (CA),

Start 71:
• Found in 559 of 1150 (48.6%) of genes in pham
• Manual Annotations of this start: 1 of 1068
• Called 0.7% of time when present
• Phage (with cluster) where this start called: CartmannCramer_27 (A1), ChristmasHams_28 (A1), StepMih_29 (A3), Whitspit_28 (A1),

Start 83:
• Found in 63 of 1150 (5.5%) of genes in pham
• No Manual Annotations of this start.
• Called 1.6% of time when present
• Phage (with cluster) where this start called: RGL3_16 (CA),

Start 110:
• Found in 676 of 1150 (58.8%) of genes in pham
• No Manual Annotations of this start.
• Called 0.1% of time when present
• Phage (with cluster) where this start called: MegTheThird_28 (A9),

Start 160:
• Found in 38 of 1150 (3.3%) of genes in pham
• Manual Annotations of this start: 1 of 1068
• Called 2.6% of time when present
• Phage (with cluster) where this start called: BobbyDazzler_23 (CA),

Summary by clusters:

There are 41 clusters represented in this pham: DN, singleton, DB, DZ, DP, A15, A14, A17, A16, A11, A10, A13, A12, DC2, A19, A18, A1, A3, A2, DN1, A4, A7, A6, A9, A5, CT, EO, DN3, F, CA, DN2, KA, A22, A8, EQ, EP, DC1, A20, A21, F2, DE1,

Info for manual annotations of cluster A1:
•Start number 52 was manually annotated 225 times for cluster A1.
•Start number 61 was manually annotated 6 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 50 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 50 was manually annotated 28 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 50 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 50 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 41 was manually annotated 1 time for cluster A15.
•Start number 50 was manually annotated 24 times for cluster A15.

Info for manual annotations of cluster A16:

•Start number 50 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 52 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 50 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 41 was manually annotated 7 times for cluster A2.
•Start number 50 was manually annotated 110 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 50 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 50 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 50 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 50 was manually annotated 124 times for cluster A3.
•Start number 71 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:
•Start number 50 was manually annotated 141 times for cluster A4.
•Start number 54 was manually annotated 3 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 43 was manually annotated 1 time for cluster A5.
•Start number 50 was manually annotated 39 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 41 was manually annotated 2 times for cluster A6.
•Start number 50 was manually annotated 48 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 50 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 50 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 48 was manually annotated 8 times for cluster A9.
•Start number 50 was manually annotated 37 times for cluster A9.

Info for manual annotations of cluster CA:
•Start number 60 was manually annotated 3 times for cluster CA.
•Start number 64 was manually annotated 32 times for cluster CA.
•Start number 160 was manually annotated 1 time for cluster CA.

Info for manual annotations of cluster CT:
•Start number 43 was manually annotated 1 time for cluster CT.
•Start number 49 was manually annotated 14 times for cluster CT.
•Start number 55 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster DB:
•Start number 45 was manually annotated 6 times for cluster DB.
•Start number 47 was manually annotated 5 times for cluster DB.
•Start number 51 was manually annotated 6 times for cluster DB.

Info for manual annotations of cluster DC1:
•Start number 34 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 34 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:
•Start number 34 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DN:
•Start number 49 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 49 was manually annotated 16 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 49 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 49 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DP:
•Start number 44 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DZ:
•Start number 56 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EO:
•Start number 52 was manually annotated 4 times for cluster EO.

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

Info for manual annotations of cluster EQ:
•Start number 62 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster F2:
•Start number 53 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster KA:
•Start number 56 was manually annotated 2 times for cluster KA.

Gene Information:

Gene: 20ES_28 Start: 20226, Stop: 21998, Start Num: 50
Candidate Starts for 20ES_28:
(Start: 41 @20202 has 10 MA's), (Start: 50 @20226 has 603 MA's), (86, 20325), (109, 20460), (110, 20463), (121, 20535), (122, 20538), (132, 20592), (133, 20598), (138, 20631), (148, 20709), (165, 20796), (185, 20877), (187, 20880), (235, 21153), (257, 21258), (261, 21273), (286, 21399), (288, 21405), (309, 21453), (319, 21516), (322, 21531), (323, 21537), (333, 21591), (338, 21630), (341, 21645), (356, 21729),

Gene: 40AC_31 Start: 22419, Stop: 24191, Start Num: 50
Candidate Starts for 40AC_31:
(Start: 41 @22395 has 10 MA's), (Start: 50 @22419 has 603 MA's), (86, 22518), (91, 22554), (109, 22653), (110, 22656), (121, 22728), (122, 22731), (132, 22785), (139, 22842), (148, 22902), (154, 22920), (165, 22989), (183, 23064), (185, 23070), (187, 23073), (221, 23262), (235, 23346), (236, 23349), (244, 23385), (257, 23451), (261, 23466), (285, 23589), (288, 23598), (291, 23613), (309, 23646), (314, 23676), (319, 23709), (322, 23724), (325, 23739), (333, 23784), (338, 23823), (341, 23838), (356, 23922), (367, 23988), (374, 24027), (376, 24033), (383, 24087), (388, 24129),

Gene: A6_25 Start: 20661, Stop: 22463, Start Num: 52
Candidate Starts for A6_25:
(Start: 52 @20661 has 230 MA's), (Start: 61 @20682 has 6 MA's), (Start: 71 @20724 has 1 MA's), (85, 20769), (122, 20985), (129, 21030), (132, 21039), (138, 21078), (144, 21129), (145, 21132), (187, 21327), (200, 21396), (231, 21585), (234, 21597), (235, 21600), (239, 21621), (260, 21717), (261, 21720), (263, 21726), (277, 21795), (280, 21813), (282, 21822), (288, 21852), (314, 21948), (319, 21981), (322, 21996), (346, 22137), (356, 22194), (376, 22305),

Gene: ACFishhook_29 Start: 20541, Stop: 22337, Start Num: 50
Candidate Starts for ACFishhook_29:
(Start: 50 @20541 has 603 MA's), (Start: 71 @20598 has 1 MA's), (76, 20613), (88, 20667), (91, 20682), (107, 20769), (109, 20781), (110, 20784), (122, 20859), (125, 20874), (165, 21117), (200, 21270), (216, 21357), (234, 21471), (239, 21495), (242, 21507), (244, 21513), (261, 21594), (277, 21669), (280, 21687), (282, 21696), (286, 21720), (288, 21726), (299, 21765), (313, 21819), (314, 21822), (318, 21843), (356, 22068), (374, 22173), (376, 22179), (396, 22314),

Gene: AFIS_27 Start: 21204, Stop: 23006, Start Num: 52
Candidate Starts for AFIS_27:
(Start: 52 @21204 has 230 MA's), (Start: 61 @21225 has 6 MA's), (Start: 71 @21267 has 1 MA's), (85, 21312), (122, 21528), (129, 21573), (132, 21582), (138, 21621), (144, 21672), (145, 21675), (187, 21870), (200, 21939), (234, 22140), (235, 22143), (239, 22164), (260, 22260), (261, 22263), (263, 22269), (277, 22338), (280, 22356), (282, 22365), (288, 22395), (314, 22491), (319, 22524), (322, 22539), (346, 22680), (356, 22737), (376, 22848), (400, 23001),

Gene: AN3_28 Start: 20204, Stop: 21994, Start Num: 50
Candidate Starts for AN3_28:
(32, 20138), (Start: 41 @20180 has 10 MA's), (Start: 50 @20204 has 603 MA's), (109, 20438), (110, 20441), (121, 20513), (122, 20516), (125, 20531), (132, 20570), (133, 20576), (148, 20687), (154, 20705), (157, 20720), (165, 20774), (185, 20855), (187, 20858), (216, 21014), (220, 21044), (237, 21137), (261, 21251), (286, 21377), (319, 21512), (322, 21527), (326, 21551), (338, 21626), (339, 21629), (341, 21641), (356, 21725), (370, 21803), (374, 21830), (376, 21836), (382, 21881), (383, 21890), (396, 21971),

Gene: AN9_31 Start: 20192, Stop: 21982, Start Num: 50
Candidate Starts for AN9_31:
(32, 20126), (Start: 41 @20168 has 10 MA's), (Start: 50 @20192 has 603 MA's), (109, 20426), (110, 20429), (121, 20501), (122, 20504), (125, 20519), (132, 20558), (133, 20564), (148, 20675), (154, 20693), (157, 20708), (165, 20762), (185, 20843), (187, 20846), (216, 21002), (220, 21032), (237, 21125), (261, 21239), (286, 21365), (319, 21500), (322, 21515), (326, 21539), (338, 21614), (339, 21617), (341, 21629), (356, 21713), (370, 21791), (374, 21818), (376, 21824), (382, 21869), (383, 21878), (396, 21959),

Gene: ANI8_31 Start: 20192, Stop: 21982, Start Num: 50
Candidate Starts for ANI8_31:
(32, 20126), (Start: 41 @20168 has 10 MA's), (Start: 50 @20192 has 603 MA's), (109, 20426), (110, 20429), (121, 20501), (122, 20504), (125, 20519), (132, 20558), (133, 20564), (148, 20675), (154, 20693), (157, 20708), (165, 20762), (185, 20843), (187, 20846), (216, 21002), (220, 21032), (237, 21125), (261, 21239), (286, 21365), (319, 21500), (322, 21515), (326, 21539), (338, 21614), (339, 21617), (341, 21629), (356, 21713), (370, 21791), (374, 21818), (376, 21824), (382, 21869), (383, 21878), (396, 21959),

Gene: AbbyPaige_30 Start: 20697, Stop: 22469, Start Num: 50
Candidate Starts for AbbyPaige_30:
(Start: 41 @20673 has 10 MA's), (Start: 50 @20697 has 603 MA's), (86, 20796), (100, 20880), (109, 20931), (110, 20934), (121, 21006), (122, 21009), (132, 21063), (138, 21102), (148, 21180), (165, 21267), (185, 21348), (187, 21351), (220, 21537), (235, 21624), (257, 21729), (261, 21744), (286, 21870), (288, 21876), (309, 21924), (322, 22002), (323, 22008), (333, 22062), (338, 22101), (341, 22116), (356, 22200), (376, 22311),

Gene: AbbysRanger_27 Start: 19840, Stop: 21639, Start Num: 50
Candidate Starts for AbbysRanger_27:
(Start: 41 @19816 has 10 MA's), (Start: 50 @19840 has 603 MA's), (Start: 71 @19900 has 1 MA's), (88, 19969), (103, 20047), (107, 20071), (109, 20083), (110, 20086), (117, 20122), (122, 20161), (125, 20176), (132, 20215), (145, 20308), (148, 20332), (165, 20419), (191, 20533), (200, 20572), (216, 20659), (224, 20704), (234, 20773), (239, 20797), (242, 20809), (261, 20896), (277, 20971), (280, 20989), (282, 20998), (286, 21022), (288, 21028), (291, 21043), (304, 21076), (313, 21121), (314, 21124), (318, 21145), (356, 21370), (370, 21448), (374, 21475), (376, 21481), (396, 21616),

Gene: Abbyshoes_28 Start: 21319, Stop: 23121, Start Num: 52
Candidate Starts for Abbyshoes_28:
(Start: 52 @21319 has 230 MA's), (Start: 61 @21340 has 6 MA's), (Start: 71 @21382 has 1 MA's), (85, 21427), (122, 21643), (129, 21688), (132, 21697), (138, 21736), (144, 21787), (145, 21790), (187, 21985), (200, 22054), (234, 22255), (235, 22258), (239, 22279), (260, 22375), (261, 22378), (263, 22384), (277, 22453), (280, 22471), (282, 22480), (288, 22510), (314, 22606), (319, 22639), (322, 22654), (346, 22795), (356, 22852), (376, 22963),

Gene: Abdiel_26 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Abdiel_26:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Abrogate_280 Start: 21879, Stop: 23681, Start Num: 52
Candidate Starts for Abrogate_280:
(Start: 52 @21879 has 230 MA's), (Start: 61 @21900 has 6 MA's), (Start: 71 @21942 has 1 MA's), (85, 21987), (122, 22203), (129, 22248), (132, 22257), (138, 22296), (144, 22347), (145, 22350), (187, 22545), (200, 22614), (234, 22815), (235, 22818), (239, 22839), (260, 22935), (261, 22938), (263, 22944), (277, 23013), (280, 23031), (282, 23040), (288, 23070), (314, 23166), (319, 23199), (322, 23214), (346, 23355), (356, 23412), (376, 23523),

Gene: Achebe_26 Start: 19823, Stop: 21622, Start Num: 50
Candidate Starts for Achebe_26:
(Start: 41 @19799 has 10 MA's), (Start: 50 @19823 has 603 MA's), (Start: 54 @19829 has 3 MA's), (Start: 71 @19883 has 1 MA's), (88, 19952), (103, 20030), (107, 20054), (110, 20069), (117, 20105), (122, 20144), (125, 20159), (132, 20198), (145, 20291), (148, 20315), (165, 20402), (191, 20516), (200, 20555), (216, 20642), (224, 20687), (234, 20756), (239, 20780), (242, 20792), (261, 20879), (277, 20954), (280, 20972), (282, 20981), (286, 21005), (288, 21011), (291, 21026), (304, 21059), (313, 21104), (314, 21107), (318, 21128), (356, 21353), (370, 21431), (374, 21458), (376, 21464), (396, 21599),

Gene: Acme_29 Start: 21420, Stop: 23222, Start Num: 52
Candidate Starts for Acme_29:
(Start: 52 @21420 has 230 MA's), (Start: 61 @21441 has 6 MA's), (Start: 71 @21483 has 1 MA's), (85, 21528), (122, 21744), (129, 21789), (132, 21798), (138, 21837), (144, 21888), (145, 21891), (187, 22086), (200, 22155), (234, 22356), (235, 22359), (239, 22380), (260, 22476), (261, 22479), (263, 22485), (277, 22554), (280, 22572), (282, 22581), (288, 22611), (314, 22707), (319, 22740), (322, 22755), (346, 22896), (356, 22953), (376, 23064),

Gene: Acolyte_28 Start: 20741, Stop: 22531, Start Num: 50
Candidate Starts for Acolyte_28:
(32, 20675), (Start: 41 @20717 has 10 MA's), (Start: 50 @20741 has 603 MA's), (86, 20840), (91, 20876), (96, 20894), (103, 20939), (107, 20963), (109, 20975), (110, 20978), (121, 21050), (122, 21053), (132, 21107), (133, 21113), (148, 21224), (154, 21242), (165, 21311), (180, 21371), (187, 21395), (197, 21455), (200, 21464), (216, 21551), (220, 21581), (242, 21701), (244, 21707), (261, 21788), (286, 21914), (299, 21959), (314, 22016), (319, 22049), (322, 22064), (326, 22088), (333, 22124), (338, 22163), (341, 22178), (356, 22262), (374, 22367), (376, 22373), (383, 22427), (396, 22508),

Gene: Adahisdi_28 Start: 21327, Stop: 23129, Start Num: 52
Candidate Starts for Adahisdi_28:
(Start: 52 @21327 has 230 MA's), (Start: 61 @21348 has 6 MA's), (Start: 71 @21390 has 1 MA's), (85, 21435), (122, 21651), (129, 21696), (132, 21705), (138, 21744), (144, 21795), (145, 21798), (187, 21993), (200, 22062), (234, 22263), (235, 22266), (239, 22287), (260, 22383), (261, 22386), (263, 22392), (277, 22461), (280, 22479), (282, 22488), (288, 22518), (314, 22614), (319, 22647), (322, 22662), (346, 22803), (356, 22860), (376, 22971),

Gene: Adzzy_29 Start: 18919, Stop: 20709, Start Num: 50
Candidate Starts for Adzzy_29:
(32, 18853), (Start: 41 @18895 has 10 MA's), (Start: 50 @18919 has 603 MA's), (69, 18964), (74, 18979), (96, 19072), (109, 19153), (110, 19156), (121, 19228), (122, 19231), (125, 19246), (132, 19285), (133, 19291), (148, 19402), (150, 19408), (157, 19435), (165, 19489), (185, 19570), (216, 19729), (220, 19759), (237, 19852), (244, 19885), (255, 19936), (261, 19966), (286, 20092), (311, 20173), (312, 20182), (319, 20227), (322, 20242), (326, 20266), (338, 20341), (339, 20344), (341, 20356), (356, 20440), (374, 20545), (383, 20605), (396, 20686),

Gene: Aeneas_29 Start: 21456, Stop: 23258, Start Num: 52
Candidate Starts for Aeneas_29:
(Start: 52 @21456 has 230 MA's), (Start: 61 @21477 has 6 MA's), (Start: 71 @21519 has 1 MA's), (85, 21564), (122, 21780), (129, 21825), (132, 21834), (138, 21873), (144, 21924), (145, 21927), (187, 22122), (200, 22191), (234, 22392), (235, 22395), (239, 22416), (260, 22512), (261, 22515), (263, 22521), (277, 22590), (280, 22608), (282, 22617), (288, 22647), (314, 22743), (319, 22776), (322, 22791), (346, 22932), (356, 22989), (376, 23100),

Gene: Affeca_33 Start: 30652, Stop: 32415, Start Num: 34
Candidate Starts for Affeca_33:
(31, 30634), (Start: 34 @30652 has 86 MA's), (Start: 39 @30688 has 5 MA's), (86, 30826), (102, 30922), (105, 30931), (114, 31000), (122, 31051), (129, 31096), (133, 31111), (144, 31192), (154, 31237), (156, 31246), (175, 31336), (181, 31366), (185, 31381), (189, 31405), (194, 31435), (223, 31540), (244, 31657), (248, 31675), (252, 31690), (257, 31720), (260, 31732), (261, 31735), (267, 31762), (346, 32086), (347, 32089), (355, 32137), (361, 32164), (365, 32191), (374, 32245), (380, 32272), (400, 32410),

Gene: Agaliana_28 Start: 21421, Stop: 23202, Start Num: 61
Candidate Starts for Agaliana_28:
(Start: 52 @21400 has 230 MA's), (Start: 61 @21421 has 6 MA's), (Start: 71 @21463 has 1 MA's), (85, 21508), (122, 21724), (129, 21769), (132, 21778), (144, 21868), (145, 21871), (148, 21895), (187, 22066), (200, 22135), (234, 22336), (235, 22339), (239, 22360), (260, 22456), (261, 22459), (263, 22465), (277, 22534), (280, 22552), (282, 22561), (288, 22591), (314, 22687), (319, 22720), (322, 22735), (346, 22876), (356, 22933), (376, 23044),

Gene: Agape74_30 Start: 20673, Stop: 22445, Start Num: 50
Candidate Starts for Agape74_30:
(Start: 41 @20649 has 10 MA's), (Start: 50 @20673 has 603 MA's), (86, 20772), (100, 20856), (109, 20907), (110, 20910), (121, 20982), (122, 20985), (132, 21039), (138, 21078), (148, 21156), (165, 21243), (185, 21324), (187, 21327), (235, 21600), (257, 21705), (261, 21720), (286, 21846), (288, 21852), (309, 21900), (322, 21978), (323, 21984), (333, 22038), (338, 22077), (341, 22092), (356, 22176), (376, 22287),

Gene: AgentM_24 Start: 19734, Stop: 21533, Start Num: 50
Candidate Starts for AgentM_24:
(Start: 50 @19734 has 603 MA's), (87, 19839), (92, 19872), (110, 19971), (122, 20046), (125, 20061), (131, 20097), (141, 20169), (143, 20184), (148, 20217), (150, 20223), (197, 20448), (199, 20454), (216, 20544), (232, 20649), (234, 20658), (244, 20700), (249, 20718), (260, 20778), (261, 20781), (277, 20856), (280, 20874), (313, 21015), (319, 21051), (356, 21264), (373, 21366), (376, 21375), (392, 21489), (396, 21510), (398, 21519),

Gene: Aglet_29 Start: 20380, Stop: 22176, Start Num: 50
Candidate Starts for Aglet_29:
(Start: 50 @20380 has 603 MA's), (Start: 71 @20437 has 1 MA's), (76, 20452), (86, 20485), (88, 20506), (91, 20521), (107, 20608), (109, 20620), (110, 20623), (122, 20698), (125, 20713), (131, 20749), (165, 20956), (191, 21070), (200, 21109), (216, 21196), (234, 21310), (239, 21334), (244, 21352), (261, 21433), (277, 21508), (280, 21526), (286, 21559), (288, 21565), (299, 21604), (313, 21658), (314, 21661), (318, 21682), (327, 21739), (356, 21907), (374, 22012), (376, 22018), (396, 22153),

Gene: AgronaGT15_29 Start: 20287, Stop: 22083, Start Num: 50
Candidate Starts for AgronaGT15_29:

(Start: 50 @20287 has 603 MA's), (Start: 71 @20344 has 1 MA's), (76, 20359), (86, 20392), (88, 20413), (91, 20428), (107, 20515), (109, 20527), (110, 20530), (122, 20605), (125, 20620), (131, 20656), (165, 20863), (191, 20977), (200, 21016), (216, 21103), (234, 21217), (239, 21241), (244, 21259), (261, 21340), (277, 21415), (280, 21433), (286, 21466), (288, 21472), (299, 21511), (313, 21565), (314, 21568), (318, 21589), (327, 21646), (356, 21814), (374, 21919), (376, 21925), (396, 22060),

Gene: Ailee_33 Start: 31142, Stop: 32905, Start Num: 34
Candidate Starts for Ailee_33:
(31, 31124), (Start: 34 @31142 has 86 MA's), (Start: 39 @31178 has 5 MA's), (86, 31316), (102, 31412), (105, 31421), (114, 31490), (122, 31541), (129, 31586), (133, 31601), (144, 31682), (154, 31727), (156, 31736), (175, 31826), (181, 31856), (185, 31871), (189, 31895), (194, 31925), (223, 32030), (244, 32147), (248, 32165), (252, 32180), (257, 32210), (260, 32222), (261, 32225), (267, 32252), (346, 32576), (347, 32579), (355, 32627), (361, 32654), (365, 32681), (374, 32735), (380, 32762), (398, 32891),

Gene: Airmid_24 Start: 18975, Stop: 20774, Start Num: 50
Candidate Starts for Airmid_24:
(Start: 50 @18975 has 603 MA's), (110, 19212), (122, 19287), (125, 19302), (131, 19338), (141, 19410), (143, 19425), (148, 19458), (149, 19461), (150, 19464), (191, 19659), (197, 19689), (199, 19695), (216, 19785), (224, 19830), (234, 19899), (244, 19941), (249, 19959), (260, 20019), (261, 20022), (280, 20115), (313, 20256), (319, 20292), (373, 20607), (376, 20616), (396, 20751),

Gene: Ajay_28 Start: 21632, Stop: 23434, Start Num: 52
Candidate Starts for Ajay_28:
(Start: 52 @21632 has 230 MA's), (Start: 61 @21653 has 6 MA's), (Start: 71 @21695 has 1 MA's), (85, 21740), (122, 21956), (129, 22001), (132, 22010), (144, 22100), (145, 22103), (187, 22298), (200, 22367), (231, 22556), (234, 22568), (235, 22571), (239, 22592), (260, 22688), (261, 22691), (263, 22697), (277, 22766), (280, 22784), (282, 22793), (288, 22823), (314, 22919), (319, 22952), (322, 22967), (346, 23108), (356, 23165), (376, 23276),

Gene: Alatin_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Alatin_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Albee_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Albee_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Alberto7_28 Start: 20129, Stop: 21907, Start Num: 50
Candidate Starts for Alberto7_28:
(Start: 41 @20105 has 10 MA's), (Start: 50 @20129 has 603 MA's), (Start: 71 @20186 has 1 MA's), (87, 20240), (88, 20255), (92, 20273), (107, 20357), (109, 20369), (110, 20372), (122, 20447), (125, 20462), (132, 20501), (148, 20618), (165, 20705), (185, 20786), (195, 20834), (200, 20858), (216,

20945), (224, 20990), (235, 21062), (239, 21083), (244, 21101), (261, 21182), (280, 21275), (282, 21284), (286, 21308), (288, 21314), (295, 21338), (314, 21392), (318, 21413), (326, 21464), (330, 21488), (339, 21542), (356, 21638), (374, 21743), (377, 21758), (393, 21866), (396, 21884),

Gene: Aldrich_29 Start: 22423, Stop: 24225, Start Num: 52
Candidate Starts for Aldrich_29:
(Start: 52 @22423 has 230 MA's), (Start: 61 @22444 has 6 MA's), (Start: 71 @22486 has 1 MA's), (85, 22531), (122, 22747), (129, 22792), (132, 22801), (138, 22840), (144, 22891), (145, 22894), (187, 23089), (200, 23158), (234, 23359), (235, 23362), (239, 23383), (260, 23479), (261, 23482), (263, 23488), (277, 23557), (280, 23575), (282, 23584), (288, 23614), (314, 23710), (319, 23743), (322, 23758), (327, 23788), (346, 23899), (356, 23956), (376, 24067), (400, 24220),

Gene: Aleemily_19 Start: 16551, Stop: 18215, Start Num: 56
Candidate Starts for Aleemily_19:
(Start: 48 @16536 has 8 MA's), (Start: 56 @16551 has 7 MA's), (58, 16557), (65, 16587), (68, 16596), (118, 16830), (122, 16863), (130, 16911), (141, 16986), (147, 17031), (165, 17121), (171, 17136), (182, 17190), (185, 17199), (191, 17232), (198, 17265), (200, 17271), (253, 17505), (255, 17517), (260, 17544), (267, 17577), (275, 17616), (277, 17625), (291, 17697), (310, 17712), (314, 17736), (322, 17784), (342, 17871), (348, 17892), (360, 17958), (370, 18024), (379, 18072), (390, 18162),

Gene: Aliter_30 Start: 21674, Stop: 23467, Start Num: 48
Candidate Starts for Aliter_30:
(Start: 48 @21674 has 8 MA's), (Start: 50 @21677 has 603 MA's), (109, 21911), (110, 21914), (121, 21986), (122, 21989), (125, 22004), (132, 22043), (133, 22049), (148, 22160), (165, 22247), (185, 22328), (187, 22331), (220, 22517), (230, 22580), (235, 22604), (237, 22610), (244, 22643), (261, 22724), (286, 22850), (298, 22892), (299, 22895), (314, 22952), (319, 22985), (322, 23000), (338, 23099), (339, 23102), (341, 23114), (356, 23198), (367, 23264), (374, 23303), (376, 23309), (382, 23354), (389, 23411), (390, 23414),

Gene: Alma_30 Start: 21753, Stop: 23546, Start Num: 48
Candidate Starts for Alma_30:
(Start: 48 @21753 has 8 MA's), (Start: 50 @21756 has 603 MA's), (109, 21990), (110, 21993), (121, 22065), (122, 22068), (125, 22083), (132, 22122), (133, 22128), (148, 22239), (165, 22326), (185, 22407), (187, 22410), (197, 22470), (220, 22596), (230, 22659), (235, 22683), (237, 22689), (244, 22722), (261, 22803), (286, 22929), (298, 22971), (299, 22974), (314, 23031), (319, 23064), (322, 23079), (338, 23178), (339, 23181), (341, 23193), (356, 23277), (367, 23343), (374, 23382), (376, 23388), (382, 23433), (389, 23490), (390, 23493),

Gene: Alpacados_22 Start: 16285, Stop: 17910, Start Num: 64
Candidate Starts for Alpacados_22:
(Start: 60 @16270 has 3 MA's), (Start: 64 @16285 has 32 MA's), (83, 16354), (90, 16390), (122, 16576), (142, 16705), (148, 16747), (156, 16774), (Start: 160 @16798 has 1 MA's), (162, 16816), (171, 16846), (174, 16861), (187, 16912), (203, 16996), (230, 17113), (235, 17137), (260, 17251), (271, 17299), (277, 17329), (283, 17368), (286, 17380), (309, 17410), (322, 17488), (354, 17635), (359, 17659), (365, 17695), (372, 17734), (399, 17902),

Gene: Alsfro_31 Start: 21865, Stop: 23667, Start Num: 52
Candidate Starts for Alsfro_31:
(Start: 52 @21865 has 230 MA's), (Start: 61 @21886 has 6 MA's), (Start: 71 @21928 has 1 MA's), (85, 21973), (122, 22189), (129, 22234), (132, 22243), (144, 22333), (145, 22336), (148, 22360), (162, 22429), (187, 22531), (200, 22600), (231, 22789), (234, 22801), (235, 22804), (239, 22825), (260, 22921), (261, 22924), (263, 22930), (277, 22999), (280, 23017), (282, 23026), (288, 23056), (314, 23152), (319, 23185), (322, 23200), (346, 23341), (356, 23398), (376, 23509), (400, 23662),

Gene: Altman_29 Start: 21923, Stop: 23725, Start Num: 52
Candidate Starts for Altman_29:
(Start: 52 @21923 has 230 MA's), (Start: 61 @21944 has 6 MA's), (Start: 71 @21986 has 1 MA's), (85, 22031), (122, 22247), (129, 22292), (132, 22301), (138, 22340), (144, 22391), (145, 22394), (162, 22487), (187, 22589), (200, 22658), (234, 22859), (235, 22862), (239, 22883), (260, 22979), (261, 22982), (263, 22988), (277, 23057), (280, 23075), (282, 23084), (288, 23114), (314, 23210), (319, 23243), (322, 23258), (346, 23399), (356, 23456), (376, 23567),

Gene: Alvin_28 Start: 21635, Stop: 23437, Start Num: 52
Candidate Starts for Alvin_28:
(Start: 52 @21635 has 230 MA's), (Start: 61 @21656 has 6 MA's), (Start: 71 @21698 has 1 MA's), (85, 21743), (122, 21959), (129, 22004), (132, 22013), (144, 22103), (145, 22106), (162, 22199), (187, 22301), (200, 22370), (231, 22559), (234, 22571), (235, 22574), (239, 22595), (260, 22691), (261, 22694), (263, 22700), (277, 22769), (280, 22787), (282, 22796), (288, 22826), (314, 22922), (319, 22955), (322, 22970), (346, 23111), (356, 23168), (376, 23279),

Gene: Anaysia_30 Start: 19096, Stop: 20883, Start Num: 50
Candidate Starts for Anaysia_30:
(32, 19030), (Start: 41 @19072 has 10 MA's), (Start: 50 @19096 has 603 MA's), (92, 19234), (102, 19291), (110, 19333), (117, 19369), (122, 19408), (134, 19477), (138, 19501), (145, 19555), (176, 19705), (187, 19750), (191, 19780), (199, 19816), (207, 19867), (215, 19903), (224, 19951), (232, 20011), (260, 20140), (277, 20218), (322, 20419), (323, 20425), (339, 20521), (368, 20686), (384, 20785),

Gene: Aneem_28 Start: 20755, Stop: 22554, Start Num: 50
Candidate Starts for Aneem_28:
(32, 20689), (Start: 41 @20731 has 10 MA's), (Start: 50 @20755 has 603 MA's), (68, 20797), (92, 20893), (96, 20908), (109, 20989), (110, 20992), (122, 21067), (125, 21082), (132, 21121), (133, 21127), (139, 21178), (148, 21238), (150, 21244), (165, 21325), (187, 21409), (209, 21535), (214, 21553), (219, 21580), (244, 21721), (257, 21787), (260, 21799), (261, 21802), (304, 21991), (311, 22018), (312, 22027), (315, 22048), (316, 22051), (319, 22072), (322, 22087), (326, 22111), (338, 22186), (341, 22201), (356, 22285), (374, 22390), (376, 22396), (383, 22450), (400, 22549),

Gene: Angelicage_33 Start: 31069, Stop: 32832, Start Num: 34
Candidate Starts for Angelicage_33:
(31, 31051), (Start: 34 @31069 has 86 MA's), (Start: 39 @31105 has 5 MA's), (86, 31243), (89, 31267), (102, 31339), (105, 31348), (122, 31468), (129, 31513), (133, 31528), (135, 31546), (144, 31609), (154, 31654), (156, 31663), (175, 31753), (181, 31783), (185, 31798), (186, 31807), (189, 31822), (194, 31852), (244, 32074), (248, 32092), (252, 32107), (257, 32137), (260, 32149), (261, 32152), (267, 32179), (346, 32503), (347, 32506), (355, 32554), (361, 32581), (365, 32608), (374, 32662), (379, 32686), (380, 32689), (390, 32779), (400, 32827),

Gene: Anglerfish_28 Start: 21836, Stop: 23638, Start Num: 52
Candidate Starts for Anglerfish_28:
(Start: 52 @21836 has 230 MA's), (Start: 61 @21857 has 6 MA's), (Start: 71 @21899 has 1 MA's), (85, 21944), (122, 22160), (129, 22205), (132, 22214), (144, 22304), (145, 22307), (162, 22400), (187, 22502), (200, 22571), (234, 22772), (235, 22775), (239, 22796), (260, 22892), (261, 22895), (263, 22901), (277, 22970), (280, 22988), (282, 22997), (288, 23027), (314, 23123), (319, 23156), (322, 23171), (346, 23312), (356, 23369), (376, 23480), (400, 23633),

Gene: AngryOrchard_22 Start: 16268, Stop: 17893, Start Num: 64
Candidate Starts for AngryOrchard_22:

(Start: 60 @16253 has 3 MA's), (Start: 64 @16268 has 32 MA's), (83, 16337), (90, 16373), (113, 16514), (122, 16559), (142, 16688), (148, 16730), (154, 16748), (156, 16757), (Start: 160 @16781 has 1 MA's), (162, 16799), (171, 16829), (174, 16844), (175, 16847), (183, 16886), (187, 16895), (230, 17096), (260, 17234), (277, 17312), (283, 17351), (286, 17363), (309, 17393), (322, 17471), (354, 17618), (372, 17717), (374, 17732), (399, 17885),

Gene: AnnaL29_31 Start: 22021, Stop: 23793, Start Num: 50
Candidate Starts for AnnaL29_31:
(Start: 41 @21997 has 10 MA's), (Start: 50 @22021 has 603 MA's), (100, 22204), (109, 22255), (110, 22258), (121, 22330), (122, 22333), (132, 22387), (133, 22393), (138, 22426), (148, 22504), (150, 22510), (154, 22522), (165, 22591), (183, 22666), (185, 22672), (187, 22675), (194, 22717), (221, 22864), (234, 22945), (235, 22948), (244, 22987), (257, 23053), (261, 23068), (288, 23200), (309, 23248), (318, 23299), (319, 23311), (322, 23326), (323, 23332), (333, 23386), (341, 23440), (356, 23524), (367, 23590), (374, 23629), (376, 23635),

Gene: Annyong_27 Start: 19828, Stop: 21606, Start Num: 50
Candidate Starts for Annyong_27:
(Start: 41 @19804 has 10 MA's), (Start: 50 @19828 has 603 MA's), (Start: 71 @19885 has 1 MA's), (87, 19939), (88, 19954), (92, 19972), (107, 20056), (109, 20068), (110, 20071), (122, 20146), (125, 20161), (132, 20200), (148, 20317), (165, 20404), (185, 20485), (195, 20533), (200, 20557), (216, 20644), (224, 20689), (235, 20761), (239, 20782), (244, 20800), (261, 20881), (280, 20974), (282, 20983), (286, 21007), (288, 21013), (295, 21037), (314, 21091), (318, 21112), (326, 21163), (330, 21187), (339, 21241), (356, 21337), (374, 21442), (377, 21457), (393, 21565), (396, 21583),

Gene: Anon_28 Start: 19727, Stop: 21511, Start Num: 50
Candidate Starts for Anon_28:
(Start: 41 @19703 has 10 MA's), (Start: 50 @19727 has 603 MA's), (78, 19802), (88, 19847), (92, 19865), (110, 19964), (113, 19994), (117, 20000), (122, 20039), (125, 20054), (134, 20108), (138, 20132), (145, 20186), (150, 20216), (167, 20303), (176, 20336), (185, 20378), (187, 20381), (199, 20447), (207, 20498), (224, 20582), (260, 20771), (261, 20774), (274, 20837), (282, 20876), (291, 20921), (314, 21002), (319, 21035), (323, 21056), (334, 21113), (338, 21149), (356, 21242), (377, 21362), (389, 21455),

Gene: Anselm_28 Start: 20293, Stop: 22065, Start Num: 50
Candidate Starts for Anselm_28:
(Start: 41 @20269 has 10 MA's), (Start: 50 @20293 has 603 MA's), (86, 20392), (109, 20527), (110, 20530), (121, 20602), (122, 20605), (132, 20659), (138, 20698), (143, 20743), (148, 20776), (165, 20863), (185, 20944), (187, 20947), (235, 21220), (261, 21340), (286, 21466), (309, 21520), (311, 21529), (314, 21550), (319, 21583), (322, 21598), (323, 21604), (333, 21658), (338, 21697), (341, 21712), (356, 21796), (376, 21907), (396, 22042),

Gene: Anthony_27 Start: 18675, Stop: 20474, Start Num: 50
Candidate Starts for Anthony_27:
(32, 18609), (Start: 41 @18651 has 10 MA's), (Start: 50 @18675 has 603 MA's), (Start: 61 @18684 has 6 MA's), (86, 18774), (92, 18813), (109, 18909), (110, 18912), (121, 18984), (122, 18987), (132, 19041), (133, 19047), (148, 19158), (165, 19245), (185, 19326), (187, 19329), (216, 19485), (220, 19515), (244, 19641), (261, 19722), (286, 19848), (313, 19956), (314, 19959), (322, 20007), (333, 20067), (338, 20106), (341, 20121), (356, 20205), (374, 20310), (376, 20316), (379, 20334), (383, 20370), (396, 20451),

Gene: Anubis_31 Start: 20265, Stop: 22061, Start Num: 50
Candidate Starts for Anubis_31:

(Start: 50 @20265 has 603 MA's), (Start: 71 @20322 has 1 MA's), (76, 20337), (86, 20370), (88, 20391), (91, 20406), (107, 20493), (109, 20505), (110, 20508), (122, 20583), (125, 20598), (131, 20634), (165, 20841), (191, 20955), (200, 20994), (216, 21081), (234, 21195), (239, 21219), (244, 21237), (261, 21318), (277, 21393), (280, 21411), (286, 21444), (288, 21450), (299, 21489), (313, 21543), (314, 21546), (318, 21567), (327, 21624), (356, 21792), (374, 21897), (376, 21903), (396, 22038),

Gene: AppleCloud_21 Start: 16314, Stop: 17939, Start Num: 64
Candidate Starts for AppleCloud_21:
(Start: 60 @16299 has 3 MA's), (Start: 64 @16314 has 32 MA's), (75, 16356), (83, 16383), (90, 16419), (113, 16560), (122, 16605), (142, 16734), (148, 16776), (154, 16794), (156, 16803), (Start: 160 @16827 has 1 MA's), (162, 16845), (171, 16875), (174, 16890), (175, 16893), (183, 16932), (187, 16941), (203, 17025), (220, 17079), (224, 17094), (230, 17142), (235, 17166), (260, 17280), (277, 17358), (283, 17397), (286, 17409), (289, 17418), (309, 17439), (322, 17517), (354, 17664), (372, 17763), (374, 17778), (399, 17931),

Gene: Applejack_27 Start: 21097, Stop: 22899, Start Num: 52
Candidate Starts for Applejack_27:
(Start: 52 @21097 has 230 MA's), (Start: 61 @21118 has 6 MA's), (Start: 71 @21160 has 1 MA's), (85, 21205), (122, 21421), (129, 21466), (132, 21475), (138, 21514), (144, 21565), (145, 21568), (187, 21763), (200, 21832), (234, 22033), (235, 22036), (239, 22057), (260, 22153), (261, 22156), (263, 22162), (277, 22231), (280, 22249), (282, 22258), (288, 22288), (314, 22384), (319, 22417), (322, 22432), (346, 22573), (356, 22630), (376, 22741),

Gene: Apricot_19 Start: 15970, Stop: 17667, Start Num: 49
Candidate Starts for Apricot_19:
(37, 15931), (Start: 49 @15970 has 37 MA's), (Start: 55 @15982 has 1 MA's), (57, 15985), (67, 16021), (79, 16060), (86, 16081), (93, 16123), (94, 16129), (95, 16132), (99, 16144), (103, 16180), (109, 16216), (118, 16273), (125, 16321), (128, 16348), (144, 16450), (152, 16489), (162, 16546), (165, 16564), (169, 16573), (171, 16579), (181, 16627), (188, 16657), (193, 16693), (195, 16699), (199, 16720), (200, 16723), (208, 16774), (221, 16801), (222, 16804), (226, 16831), (229, 16858), (246, 16930), (254, 16969), (268, 17023), (282, 17095), (293, 17140), (320, 17230), (323, 17248), (343, 17332), (345, 17341), (346, 17344), (348, 17350), (352, 17365), (355, 17395), (356, 17401), (361, 17422), (362, 17425), (370, 17479), (376, 17509), (377, 17518), (384, 17569), (387, 17602), (390, 17614), (394, 17632),

Gene: Aragog_24 Start: 19764, Stop: 21563, Start Num: 50
Candidate Starts for Aragog_24:
(Start: 50 @19764 has 603 MA's), (87, 19869), (92, 19902), (110, 20001), (122, 20076), (125, 20091), (131, 20127), (141, 20199), (143, 20214), (148, 20247), (150, 20253), (197, 20478), (199, 20484), (216, 20574), (232, 20679), (234, 20688), (244, 20730), (249, 20748), (260, 20808), (261, 20811), (277, 20886), (280, 20904), (313, 21045), (319, 21081), (356, 21294), (373, 21396), (376, 21405), (392, 21519), (396, 21540), (398, 21549),

Gene: Arcanine_28 Start: 20852, Stop: 22654, Start Num: 52
Candidate Starts for Arcanine_28:
(Start: 52 @20852 has 230 MA's), (Start: 61 @20873 has 6 MA's), (Start: 71 @20915 has 1 MA's), (85, 20960), (122, 21176), (129, 21221), (132, 21230), (144, 21320), (145, 21323), (162, 21416), (187, 21518), (200, 21587), (231, 21776), (234, 21788), (235, 21791), (239, 21812), (260, 21908), (261, 21911), (263, 21917), (277, 21986), (280, 22004), (282, 22013), (288, 22043), (314, 22139), (319, 22172), (322, 22187), (346, 22328), (356, 22385), (376, 22496),

Gene: ArcherNM_30 Start: 21966, Stop: 23738, Start Num: 50

Candidate Starts for ArcherNM_30:
(32, 21900), (Start: 41 @21942 has 10 MA's), (Start: 50 @21966 has 603 MA's), (100, 22149), (109, 22200), (110, 22203), (121, 22275), (122, 22278), (132, 22332), (133, 22338), (138, 22371), (148, 22449), (150, 22455), (154, 22467), (165, 22536), (183, 22611), (185, 22617), (187, 22620), (220, 22806), (234, 22890), (235, 22893), (244, 22932), (255, 22983), (257, 22998), (261, 23013), (286, 23139), (288, 23145), (309, 23193), (318, 23244), (319, 23256), (322, 23271), (323, 23277), (333, 23331), (341, 23385), (356, 23469), (367, 23535), (374, 23574), (376, 23580),

Gene: Archetta_24 Start: 19557, Stop: 21356, Start Num: 50
Candidate Starts for Archetta_24:
(Start: 50 @19557 has 603 MA's), (92, 19695), (110, 19794), (122, 19869), (131, 19920), (141, 19992), (143, 20007), (148, 20040), (150, 20046), (169, 20139), (191, 20241), (197, 20271), (199, 20277), (216, 20367), (220, 20397), (231, 20469), (234, 20481), (235, 20484), (244, 20523), (249, 20541), (260, 20601), (261, 20604), (273, 20655), (280, 20697), (313, 20838), (321, 20880), (376, 21198), (396, 21333),

Gene: Arianna_19 Start: 17425, Stop: 19089, Start Num: 52
Candidate Starts for Arianna_19:
(Start: 52 @17425 has 230 MA's), (Start: 64 @17458 has 32 MA's), (118, 17716), (129, 17794), (147, 17917), (150, 17926), (151, 17929), (154, 17938), (156, 17947), (187, 18088), (189, 18100), (199, 18154), (229, 18289), (238, 18322), (241, 18340), (244, 18352), (249, 18367), (260, 18427), (266, 18448), (267, 18457), (280, 18523), (286, 18556), (309, 18586), (310, 18592), (311, 18595), (322, 18664), (345, 18763), (348, 18772), (375, 18928), (377, 18940),

Gene: Arissanae_28 Start: 19809, Stop: 21599, Start Num: 50
Candidate Starts for Arissanae_28:
(Start: 48 @19806 has 8 MA's), (Start: 50 @19809 has 603 MA's), (63, 19827), (78, 19884), (85, 19905), (97, 19965), (103, 20007), (109, 20043), (110, 20046), (122, 20121), (132, 20175), (133, 20181), (144, 20265), (148, 20292), (150, 20298), (165, 20379), (185, 20460), (187, 20463), (197, 20523), (200, 20532), (230, 20712), (235, 20736), (244, 20775), (261, 20856), (299, 21027), (314, 21084), (315, 21093), (319, 21117), (322, 21132), (326, 21156), (333, 21192), (338, 21231), (341, 21246), (356, 21330), (367, 21396), (374, 21435), (376, 21441), (382, 21486),

Gene: Arlo_26 Start: 20726, Stop: 22528, Start Num: 52
Candidate Starts for Arlo_26:
(Start: 52 @20726 has 230 MA's), (Start: 61 @20747 has 6 MA's), (Start: 71 @20789 has 1 MA's), (85, 20834), (122, 21050), (129, 21095), (132, 21104), (138, 21143), (144, 21194), (145, 21197), (162, 21290), (187, 21392), (200, 21461), (234, 21662), (235, 21665), (239, 21686), (260, 21782), (261, 21785), (263, 21791), (277, 21860), (280, 21878), (282, 21887), (288, 21917), (314, 22013), (319, 22046), (322, 22061), (346, 22202), (356, 22259), (376, 22370),

Gene: Arri_34 Start: 26557, Stop: 28323, Start Num: 34
Candidate Starts for Arri_34:
(28, 26515), (Start: 34 @26557 has 86 MA's), (Start: 39 @26593 has 5 MA's), (Start: 53 @26626 has 7 MA's), (104, 26836), (105, 26839), (109, 26869), (119, 26935), (122, 26959), (123, 26968), (128, 27001), (156, 27154), (162, 27193), (175, 27244), (177, 27256), (181, 27274), (184, 27286), (186, 27298), (189, 27313), (194, 27343), (195, 27346), (199, 27367), (221, 27439), (227, 27487), (252, 27598), (258, 27631), (267, 27670), (268, 27673), (282, 27745), (300, 27811), (308, 27823), (346, 27994), (347, 27997), (355, 28045), (361, 28072), (365, 28099), (374, 28153), (390, 28270), (395, 28291), (400, 28318),

Gene: Artemis2UCLA_31 Start: 19873, Stop: 21645, Start Num: 50
Candidate Starts for Artemis2UCLA_31:

(32, 19807), (Start: 41 @19849 has 10 MA's), (Start: 50 @19873 has 603 MA's), (110, 20110), (121, 20182), (122, 20185), (125, 20200), (132, 20239), (133, 20245), (148, 20356), (150, 20362), (159, 20401), (165, 20443), (176, 20482), (185, 20524), (187, 20527), (216, 20683), (240, 20824), (244, 20839), (288, 21052), (318, 21151), (322, 21178), (331, 21229), (333, 21238), (338, 21277), (341, 21292), (356, 21376), (374, 21481), (376, 21487), (396, 21622),

Gene: Arturo_26 Start: 19939, Stop: 21717, Start Num: 50
Candidate Starts for Arturo_26:
(Start: 41 @19915 has 10 MA's), (Start: 50 @19939 has 603 MA's), (Start: 71 @19996 has 1 MA's), (87, 20050), (88, 20065), (92, 20083), (107, 20167), (109, 20179), (110, 20182), (122, 20257), (125, 20272), (132, 20311), (148, 20428), (165, 20515), (185, 20596), (195, 20644), (200, 20668), (216, 20755), (224, 20800), (235, 20872), (239, 20893), (244, 20911), (261, 20992), (280, 21085), (282, 21094), (286, 21118), (288, 21124), (295, 21148), (314, 21202), (318, 21223), (326, 21274), (330, 21298), (339, 21352), (356, 21448), (374, 21553), (377, 21568), (393, 21676), (396, 21694),

Gene: Asapag_20 Start: 16428, Stop: 18125, Start Num: 49
Candidate Starts for Asapag_20:
(37, 16389), (Start: 49 @16428 has 37 MA's), (Start: 55 @16440 has 1 MA's), (79, 16518), (86, 16539), (94, 16587), (97, 16596), (103, 16638), (109, 16674), (118, 16731), (120, 16752), (125, 16779), (128, 16806), (152, 16947), (162, 17004), (169, 17031), (171, 17037), (181, 17085), (188, 17115), (193, 17151), (199, 17178), (200, 17181), (208, 17232), (221, 17259), (222, 17262), (226, 17289), (229, 17316), (246, 17388), (254, 17427), (268, 17481), (276, 17523), (293, 17598), (315, 17661), (320, 17688), (323, 17706), (343, 17790), (345, 17799), (346, 17802), (348, 17808), (352, 17823), (355, 17853), (356, 17859), (361, 17880), (362, 17883), (370, 17937), (376, 17967), (377, 17976), (384, 18027), (387, 18060), (390, 18072), (394, 18090),

Gene: Ashballer_27 Start: 21575, Stop: 23377, Start Num: 52
Candidate Starts for Ashballer_27:
(Start: 52 @21575 has 230 MA's), (Start: 61 @21596 has 6 MA's), (Start: 71 @21638 has 1 MA's), (85, 21683), (122, 21899), (129, 21944), (132, 21953), (138, 21992), (144, 22043), (145, 22046), (187, 22241), (200, 22310), (234, 22511), (235, 22514), (239, 22535), (260, 22631), (261, 22634), (263, 22640), (277, 22709), (280, 22727), (282, 22736), (288, 22766), (314, 22862), (319, 22895), (322, 22910), (346, 23051), (356, 23108), (376, 23219),

Gene: Ashertheman_35 Start: 29935, Stop: 31698, Start Num: 34
Candidate Starts for Ashertheman_35:
(Start: 34 @29935 has 86 MA's), (Start: 39 @29971 has 5 MA's), (83, 30100), (86, 30109), (102, 30205), (105, 30214), (114, 30283), (122, 30334), (123, 30343), (129, 30379), (133, 30394), (135, 30412), (144, 30475), (154, 30520), (156, 30529), (179, 30640), (181, 30649), (185, 30664), (189, 30688), (194, 30718), (244, 30940), (248, 30958), (252, 30973), (260, 31015), (261, 31018), (267, 31045), (294, 31165), (346, 31369), (347, 31372), (355, 31420), (361, 31447), (365, 31474), (374, 31528), (380, 31555),

Gene: Astro_24 Start: 18655, Stop: 20445, Start Num: 50
Candidate Starts for Astro_24:
(Start: 41 @18631 has 10 MA's), (Start: 50 @18655 has 603 MA's), (84, 18748), (92, 18793), (110, 18892), (117, 18928), (122, 18967), (125, 18982), (131, 19018), (148, 19138), (150, 19144), (176, 19264), (203, 19393), (216, 19465), (234, 19579), (280, 19795), (286, 19828), (314, 19930), (319, 19963), (322, 19978), (327, 20008), (373, 20278), (376, 20287), (377, 20296), (394, 20410),

Gene: Atkinbua_29 Start: 21550, Stop: 23352, Start Num: 52
Candidate Starts for Atkinbua_29:

(Start: 52 @21550 has 230 MA's), (Start: 61 @21571 has 6 MA's), (Start: 71 @21613 has 1 MA's), (85, 21658), (122, 21874), (129, 21919), (132, 21928), (138, 21967), (144, 22018), (145, 22021), (187, 22216), (200, 22285), (234, 22486), (235, 22489), (239, 22510), (260, 22606), (261, 22609), (263, 22615), (277, 22684), (280, 22702), (282, 22711), (288, 22741), (314, 22837), (319, 22870), (322, 22885), (346, 23026), (356, 23083), (376, 23194), (400, 23347),

Gene: AugsMagnumOpus_31 Start: 20371, Stop: 22167, Start Num: 50
Candidate Starts for AugsMagnumOpus_31:
(Start: 50 @20371 has 603 MA's), (Start: 71 @20428 has 1 MA's), (76, 20443), (86, 20476), (88, 20497), (91, 20512), (107, 20599), (109, 20611), (110, 20614), (122, 20689), (125, 20704), (131, 20740), (165, 20947), (191, 21061), (200, 21100), (216, 21187), (234, 21301), (239, 21325), (244, 21343), (261, 21424), (277, 21499), (280, 21517), (286, 21550), (288, 21556), (299, 21595), (313, 21649), (314, 21652), (318, 21673), (327, 21730), (356, 21898), (374, 22003), (376, 22009), (396, 22144),

Gene: Avani_19 Start: 13744, Stop: 15408, Start Num: 53
Candidate Starts for Avani_19:
(Start: 53 @13744 has 7 MA's), (78, 13825), (87, 13855), (90, 13876), (92, 13888), (105, 13954), (111, 13993), (112, 14005), (116, 14029), (124, 14086), (125, 14089), (127, 14113), (129, 14119), (130, 14122), (138, 14167), (139, 14185), (145, 14221), (166, 14332), (176, 14368), (181, 14395), (184, 14407), (185, 14410), (191, 14452), (194, 14464), (199, 14488), (219, 14542), (234, 14641), (256, 14734), (261, 14761), (264, 14773), (278, 14824), (280, 14839), (294, 14893), (310, 14920), (346, 15082), (347, 15085), (348, 15088), (367, 15205), (376, 15247), (386, 15331), (395, 15376), (398, 15394),

Gene: AvatarAhPeg_28 Start: 20105, Stop: 21904, Start Num: 50
Candidate Starts for AvatarAhPeg_28:
(Start: 41 @20081 has 10 MA's), (Start: 50 @20105 has 603 MA's), (Start: 54 @20111 has 3 MA's), (Start: 71 @20165 has 1 MA's), (88, 20234), (103, 20312), (107, 20336), (109, 20348), (110, 20351), (122, 20426), (125, 20441), (132, 20480), (145, 20573), (148, 20597), (165, 20684), (191, 20798), (216, 20924), (224, 20969), (234, 21038), (239, 21062), (242, 21074), (261, 21161), (280, 21254), (286, 21287), (288, 21293), (291, 21308), (313, 21386), (314, 21389), (318, 21410), (356, 21635), (370, 21713), (371, 21716), (374, 21740), (376, 21746), (396, 21881), (400, 21899),

Gene: Avle17_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Avle17_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Ayanochan_30 Start: 21782, Stop: 23572, Start Num: 50
Candidate Starts for Ayanochan_30:
(Start: 48 @21779 has 8 MA's), (Start: 50 @21782 has 603 MA's), (109, 22016), (110, 22019), (121, 22091), (122, 22094), (125, 22109), (132, 22148), (133, 22154), (148, 22265), (165, 22352), (185, 22433), (187, 22436), (220, 22622), (230, 22685), (235, 22709), (237, 22715), (244, 22748), (261, 22829), (286, 22955), (298, 22997), (314, 23057), (319, 23090), (322, 23105), (338, 23204), (339, 23207), (341, 23219), (356, 23303), (367, 23369), (374, 23408), (376, 23414), (382, 23459), (389, 23516), (390, 23519),

Gene: Azira_20 Start: 16710, Stop: 18404, Start Num: 49

Candidate Starts for Azira_20:
(11, 16299), (13, 16335), (17, 16386), (Start: 49 @16710 has 37 MA's), (Start: 55 @16722 has 1 MA's), (112, 16974), (115, 16995), (116, 16998), (122, 17043), (125, 17058), (138, 17136), (143, 17181), (162, 17283), (171, 17316), (172, 17328), (174, 17331), (186, 17388), (191, 17421), (195, 17436), (206, 17502), (222, 17544), (224, 17553), (229, 17598), (242, 17661), (260, 17742), (265, 17760), (267, 17769), (269, 17778), (280, 17835), (282, 17844), (322, 17976), (332, 18003), (336, 18024), (345, 18075), (346, 18078), (364, 18174), (367, 18201), (369, 18210), (370, 18213), (376, 18243), (379, 18261), (385, 18306), (399, 18396),

Gene: B1_25 Start: 19592, Stop: 21391, Start Num: 50
Candidate Starts for B1_25:
(Start: 50 @19592 has 603 MA's), (Start: 71 @19652 has 1 MA's), (88, 19721), (107, 19823), (109, 19835), (110, 19838), (122, 19913), (125, 19928), (126, 19931), (132, 19967), (154, 20102), (165, 20171), (191, 20285), (216, 20411), (234, 20525), (235, 20528), (239, 20549), (244, 20567), (261, 20648), (277, 20723), (280, 20741), (282, 20750), (286, 20774), (288, 20780), (291, 20795), (299, 20819), (304, 20828), (313, 20873), (314, 20876), (318, 20897), (319, 20909), (356, 21122), (362, 21146), (374, 21227), (376, 21233), (396, 21368),

Gene: BABullseye_31 Start: 20049, Stop: 21821, Start Num: 50
Candidate Starts for BABullseye_31:
(Start: 50 @20049 has 603 MA's), (103, 20247), (110, 20286), (121, 20358), (122, 20361), (126, 20379), (132, 20415), (133, 20421), (148, 20532), (150, 20538), (159, 20577), (165, 20619), (176, 20658), (185, 20700), (187, 20703), (197, 20763), (240, 21000), (244, 21015), (261, 21096), (288, 21228), (322, 21354), (331, 21405), (333, 21414), (338, 21453), (339, 21456), (341, 21468), (356, 21552), (374, 21657), (376, 21663), (396, 21798),

Gene: BBQValindra_19 Start: 16628, Stop: 18358, Start Num: 47
Candidate Starts for BBQValindra_19:
(2, 16001), (3, 16034), (9, 16169), (14, 16271), (16, 16292), (18, 16313), (26, 16508), (37, 16592), (Start: 47 @16628 has 5 MA's), (112, 16898), (159, 17183), (165, 17225), (175, 17261), (181, 17291), (186, 17315), (193, 17357), (199, 17384), (218, 17441), (219, 17447), (231, 17534), (297, 17828), (316, 17894), (320, 17918), (323, 17936), (346, 18032), (351, 18050), (378, 18209), (388, 18296), (394, 18323),

Gene: BENtherdunthat_20 Start: 16428, Stop: 18125, Start Num: 49
Candidate Starts for BENtherdunthat_20:
(37, 16389), (Start: 49 @16428 has 37 MA's), (Start: 55 @16440 has 1 MA's), (79, 16518), (86, 16539), (94, 16587), (97, 16596), (103, 16638), (109, 16674), (118, 16731), (120, 16752), (125, 16779), (128, 16806), (152, 16947), (162, 17004), (169, 17031), (171, 17037), (181, 17085), (188, 17115), (193, 17151), (199, 17178), (200, 17181), (208, 17232), (221, 17259), (222, 17262), (226, 17289), (229, 17316), (246, 17388), (254, 17427), (268, 17481), (276, 17523), (293, 17598), (315, 17661), (320, 17688), (323, 17706), (343, 17790), (345, 17799), (346, 17802), (348, 17808), (352, 17823), (355, 17853), (356, 17859), (361, 17880), (362, 17883), (370, 17937), (376, 17967), (377, 17976), (384, 18027), (387, 18060), (390, 18072), (394, 18090),

Gene: BK1_25 Start: 20661, Stop: 22463, Start Num: 52
Candidate Starts for BK1_25:
(Start: 52 @20661 has 230 MA's), (Start: 61 @20682 has 6 MA's), (Start: 71 @20724 has 1 MA's), (85, 20769), (122, 20985), (129, 21030), (132, 21039), (138, 21078), (144, 21129), (145, 21132), (187, 21327), (200, 21396), (231, 21585), (234, 21597), (235, 21600), (239, 21621), (260, 21717), (261, 21720), (263, 21726), (277, 21795), (280, 21813), (282, 21822), (288, 21852), (314, 21948), (319, 21981), (322, 21996), (346, 22137), (356, 22194), (376, 22305),

Gene: BPBiebs31_28 Start: 21364, Stop: 23166, Start Num: 52
Candidate Starts for BPBiebs31_28:
(Start: 52 @21364 has 230 MA's), (Start: 61 @21385 has 6 MA's), (Start: 71 @21427 has 1 MA's), (85, 21472), (122, 21688), (129, 21733), (132, 21742), (138, 21781), (144, 21832), (145, 21835), (162, 21928), (187, 22030), (200, 22099), (234, 22300), (235, 22303), (239, 22324), (260, 22420), (261, 22423), (263, 22429), (277, 22498), (280, 22516), (282, 22525), (288, 22555), (314, 22651), (319, 22684), (322, 22699), (346, 22840), (356, 22897), (376, 23008),

Gene: Baby16_27 Start: 19836, Stop: 21614, Start Num: 50
Candidate Starts for Baby16_27:
(Start: 41 @19812 has 10 MA's), (Start: 50 @19836 has 603 MA's), (Start: 71 @19893 has 1 MA's), (87, 19947), (88, 19962), (92, 19980), (107, 20064), (109, 20076), (110, 20079), (122, 20154), (125, 20169), (132, 20208), (148, 20325), (165, 20412), (185, 20493), (195, 20541), (200, 20565), (216, 20652), (224, 20697), (235, 20769), (239, 20790), (244, 20808), (261, 20889), (280, 20982), (282, 20991), (286, 21015), (288, 21021), (295, 21045), (314, 21099), (318, 21120), (326, 21171), (330, 21195), (339, 21249), (356, 21345), (374, 21450), (377, 21465), (393, 21573), (396, 21591),

Gene: BabyBack_30 Start: 21767, Stop: 23563, Start Num: 41
Candidate Starts for BabyBack_30:
(Start: 41 @21767 has 10 MA's), (Start: 50 @21791 has 603 MA's), (109, 22025), (110, 22028), (122, 22103), (126, 22121), (133, 22163), (148, 22274), (159, 22319), (165, 22361), (185, 22442), (187, 22445), (216, 22601), (220, 22631), (234, 22715), (235, 22718), (261, 22838), (286, 22964), (288, 22970), (309, 23018), (316, 23060), (318, 23069), (322, 23096), (326, 23120), (328, 23132), (338, 23195), (339, 23198), (341, 23210), (356, 23294), (374, 23399), (376, 23405), (379, 23423), (383, 23459), (396, 23540),

Gene: BabyJohn_26 Start: 20176, Stop: 21975, Start Num: 50
Candidate Starts for BabyJohn_26:
(Start: 50 @20176 has 603 MA's), (Start: 71 @20236 has 1 MA's), (88, 20305), (107, 20407), (109, 20419), (110, 20422), (122, 20497), (125, 20512), (126, 20515), (132, 20551), (154, 20686), (165, 20755), (191, 20869), (216, 20995), (234, 21109), (235, 21112), (239, 21133), (244, 21151), (261, 21232), (277, 21307), (280, 21325), (282, 21334), (286, 21358), (288, 21364), (291, 21379), (304, 21412), (313, 21457), (314, 21460), (318, 21481), (319, 21493), (356, 21706), (362, 21730), (374, 21811), (376, 21817), (391, 21928), (396, 21952),

Gene: BabyRay_27 Start: 20152, Stop: 21951, Start Num: 50
Candidate Starts for BabyRay_27:
(Start: 50 @20152 has 603 MA's), (Start: 71 @20212 has 1 MA's), (88, 20281), (107, 20383), (109, 20395), (110, 20398), (122, 20473), (125, 20488), (126, 20491), (132, 20527), (154, 20662), (165, 20731), (191, 20845), (216, 20971), (234, 21085), (235, 21088), (239, 21109), (244, 21127), (261, 21208), (277, 21283), (280, 21301), (282, 21310), (286, 21334), (288, 21340), (291, 21355), (304, 21388), (313, 21433), (314, 21436), (318, 21457), (319, 21469), (356, 21682), (362, 21706), (374, 21787), (376, 21793), (384, 21853), (396, 21928),

Gene: Bachome_28 Start: 20746, Stop: 22545, Start Num: 50
Candidate Starts for Bachome_28:
(32, 20680), (Start: 41 @20722 has 10 MA's), (Start: 50 @20746 has 603 MA's), (68, 20788), (92, 20884), (96, 20899), (109, 20980), (110, 20983), (122, 21058), (125, 21073), (132, 21112), (133, 21118), (148, 21229), (150, 21235), (165, 21316), (187, 21400), (209, 21526), (217, 21562), (244, 21712), (257, 21778), (260, 21790), (261, 21793), (304, 21982), (311, 22009), (315, 22039), (316, 22042), (319, 22063), (322, 22078), (326, 22102), (338, 22177), (341, 22192), (356, 22276), (374, 22381), (376, 22387), (383, 22441), (400, 22540),

Gene: BackstagePass_19 Start: 16768, Stop: 18498, Start Num: 47
Candidate Starts for BackstagePass_19:
(26, 16648), (37, 16732), (Start: 47 @16768 has 5 MA's), (87, 16888), (107, 17005), (112, 17038), (125, 17122), (159, 17323), (165, 17365), (175, 17401), (181, 17431), (186, 17455), (193, 17497), (199, 17524), (218, 17581), (219, 17587), (231, 17674), (297, 17968), (316, 18034), (320, 18058), (323, 18076), (346, 18172), (351, 18190), (378, 18349), (388, 18436), (394, 18463),

Gene: Backyardigan_27 Start: 19835, Stop: 21634, Start Num: 50
Candidate Starts for Backyardigan_27:
(Start: 41 @19811 has 10 MA's), (Start: 50 @19835 has 603 MA's), (Start: 54 @19841 has 3 MA's), (Start: 71 @19895 has 1 MA's), (88, 19964), (103, 20042), (107, 20066), (110, 20081), (117, 20117), (122, 20156), (125, 20171), (132, 20210), (145, 20303), (148, 20327), (165, 20414), (191, 20528), (200, 20567), (216, 20654), (224, 20699), (234, 20768), (239, 20792), (242, 20804), (261, 20891), (277, 20966), (280, 20984), (282, 20993), (286, 21017), (288, 21023), (291, 21038), (304, 21071), (313, 21116), (314, 21119), (318, 21140), (356, 21365), (370, 21443), (374, 21470), (376, 21476), (396, 21611),

Gene: BaconJack_29 Start: 21344, Stop: 23146, Start Num: 52
Candidate Starts for BaconJack_29:
(Start: 52 @21344 has 230 MA's), (Start: 61 @21365 has 6 MA's), (Start: 71 @21407 has 1 MA's), (85, 21452), (122, 21668), (129, 21713), (132, 21722), (138, 21761), (144, 21812), (145, 21815), (187, 22010), (200, 22079), (234, 22280), (235, 22283), (239, 22304), (260, 22400), (261, 22403), (263, 22409), (277, 22478), (280, 22496), (282, 22505), (288, 22535), (314, 22631), (319, 22664), (322, 22679), (346, 22820), (356, 22877), (376, 22988),

Gene: Bactobuster_29 Start: 21784, Stop: 23556, Start Num: 50
Candidate Starts for Bactobuster_29:
(Start: 41 @21760 has 10 MA's), (Start: 50 @21784 has 603 MA's), (91, 21919), (96, 21937), (109, 22018), (110, 22021), (121, 22093), (122, 22096), (139, 22207), (143, 22234), (148, 22267), (159, 22312), (165, 22354), (187, 22438), (216, 22594), (221, 22627), (257, 22816), (261, 22831), (286, 22957), (288, 22963), (319, 23074), (322, 23089), (323, 23095), (326, 23113), (333, 23149), (338, 23188), (341, 23203), (374, 23392), (376, 23398), (379, 23416), (382, 23443),

Gene: Baddon_34 Start: 30732, Stop: 32495, Start Num: 34
Candidate Starts for Baddon_34:
(Start: 34 @30732 has 86 MA's), (Start: 39 @30768 has 5 MA's), (83, 30897), (86, 30906), (102, 31002), (105, 31011), (114, 31080), (122, 31131), (123, 31140), (129, 31176), (133, 31191), (135, 31209), (144, 31272), (154, 31317), (156, 31326), (181, 31446), (185, 31461), (189, 31485), (194, 31515), (244, 31737), (248, 31755), (252, 31770), (260, 31812), (261, 31815), (267, 31842), (294, 31962), (315, 32025), (346, 32166), (347, 32169), (355, 32217), (361, 32244), (365, 32271), (374, 32325), (380, 32352),

Gene: Badger_27 Start: 19824, Stop: 21623, Start Num: 50
Candidate Starts for Badger_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 54 @19830 has 3 MA's), (Start: 71 @19884 has 1 MA's), (88, 19953), (103, 20031), (107, 20055), (110, 20070), (117, 20106), (122, 20145), (125, 20160), (132, 20199), (145, 20292), (148, 20316), (165, 20403), (191, 20517), (200, 20556), (216, 20643), (224, 20688), (234, 20757), (239, 20781), (242, 20793), (261, 20880), (277, 20955), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (291, 21027), (304, 21060), (313, 21105), (314, 21108), (318, 21129), (356, 21354), (370, 21432), (374, 21459), (376, 21465), (396, 21600),

Gene: Baehexic_29 Start: 20675, Stop: 22447, Start Num: 50

Candidate Starts for Baehexic_29:
(Start: 41 @20651 has 10 MA's), (Start: 50 @20675 has 603 MA's), (91, 20810), (109, 20909), (110, 20912), (121, 20984), (122, 20987), (132, 21041), (133, 21047), (141, 21110), (148, 21158), (165, 21245), (185, 21326), (187, 21329), (191, 21359), (216, 21485), (220, 21515), (235, 21602), (261, 21722), (285, 21845), (286, 21848), (288, 21854), (309, 21902), (319, 21965), (322, 21980), (323, 21986), (333, 22040), (338, 22079), (341, 22094), (348, 22127), (355, 22172), (374, 22283), (376, 22289), (383, 22343),

Gene: Bakery_32 Start: 25768, Stop: 27534, Start Num: 34
Candidate Starts for Bakery_32:
(28, 25726), (31, 25756), (Start: 34 @25768 has 86 MA's), (Start: 39 @25804 has 5 MA's), (Start: 47 @25828 has 5 MA's), (Start: 53 @25837 has 7 MA's), (94, 25993), (95, 25996), (104, 26047), (105, 26050), (109, 26080), (114, 26119), (122, 26170), (123, 26179), (128, 26212), (156, 26365), (162, 26404), (175, 26455), (177, 26467), (181, 26485), (184, 26497), (186, 26509), (189, 26524), (194, 26554), (195, 26557), (199, 26578), (227, 26698), (252, 26809), (258, 26842), (268, 26884), (282, 26956), (300, 27022), (346, 27205), (347, 27208), (355, 27256), (361, 27283), (365, 27310), (374, 27364), (390, 27481), (395, 27502), (400, 27529),

Gene: BangNhom_27 Start: 20138, Stop: 21919, Start Num: 50
Candidate Starts for BangNhom_27:
(Start: 41 @20114 has 10 MA's), (Start: 50 @20138 has 603 MA's), (Start: 54 @20144 has 3 MA's), (Start: 71 @20198 has 1 MA's), (76, 20213), (88, 20267), (92, 20285), (107, 20369), (109, 20381), (110, 20384), (122, 20459), (125, 20474), (132, 20513), (148, 20630), (165, 20717), (185, 20798), (195, 20846), (200, 20870), (216, 20957), (224, 21002), (235, 21074), (239, 21095), (244, 21113), (261, 21194), (277, 21269), (280, 21287), (282, 21296), (286, 21320), (288, 21326), (295, 21350), (312, 21392), (314, 21404), (318, 21425), (326, 21476), (330, 21500), (339, 21554), (356, 21650), (374, 21755), (377, 21770), (393, 21878), (396, 21896),

Gene: Barb_33 Start: 26575, Stop: 28341, Start Num: 34
Candidate Starts for Barb_33:
(28, 26533), (Start: 34 @26575 has 86 MA's), (Start: 39 @26611 has 5 MA's), (Start: 53 @26644 has 7 MA's), (104, 26854), (105, 26857), (109, 26887), (119, 26953), (122, 26977), (123, 26986), (128, 27019), (156, 27172), (162, 27211), (175, 27262), (177, 27274), (181, 27292), (184, 27304), (186, 27316), (189, 27331), (194, 27361), (195, 27364), (199, 27385), (221, 27457), (227, 27505), (252, 27616), (258, 27649), (268, 27691), (282, 27763), (300, 27829), (308, 27841), (346, 28012), (347, 28015), (355, 28063), (361, 28090), (365, 28117), (374, 28171), (390, 28288), (395, 28309), (400, 28336),

Gene: Barriga_27 Start: 20952, Stop: 22754, Start Num: 52
Candidate Starts for Barriga_27:
(Start: 52 @20952 has 230 MA's), (Start: 61 @20973 has 6 MA's), (Start: 71 @21015 has 1 MA's), (85, 21060), (122, 21276), (129, 21321), (132, 21330), (138, 21369), (144, 21420), (145, 21423), (187, 21618), (200, 21687), (210, 21747), (234, 21888), (235, 21891), (239, 21912), (260, 22008), (261, 22011), (263, 22017), (277, 22086), (280, 22104), (282, 22113), (288, 22143), (314, 22239), (319, 22272), (322, 22287), (346, 22428), (356, 22485), (376, 22596),

Gene: BarrowTuph_26 Start: 20973, Stop: 22775, Start Num: 52
Candidate Starts for BarrowTuph_26:
(Start: 52 @20973 has 230 MA's), (Start: 61 @20994 has 6 MA's), (Start: 71 @21036 has 1 MA's), (85, 21081), (122, 21297), (129, 21342), (132, 21351), (138, 21390), (144, 21441), (145, 21444), (187, 21639), (200, 21708), (234, 21909), (235, 21912), (239, 21933), (260, 22029), (261, 22032), (263, 22038), (277, 22107), (280, 22125), (282, 22134), (288, 22164), (314, 22260), (319, 22293), (322, 22308), (346, 22449), (356, 22506), (376, 22617),

Gene: Barsten_35 Start: 30283, Stop: 32046, Start Num: 34
Candidate Starts for Barsten_35:
(31, 30265), (Start: 34 @30283 has 86 MA's), (Start: 39 @30319 has 5 MA's), (86, 30457), (102, 30553), (105, 30562), (114, 30631), (122, 30682), (129, 30727), (133, 30742), (144, 30823), (154, 30868), (156, 30877), (175, 30967), (181, 30997), (185, 31012), (189, 31036), (194, 31066), (223, 31171), (244, 31288), (248, 31306), (252, 31321), (257, 31351), (260, 31363), (261, 31366), (267, 31393), (346, 31717), (347, 31720), (355, 31768), (361, 31795), (365, 31822), (374, 31876), (380, 31903), (398, 32032),

Gene: Bartimeaus_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Bartimeaus_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Battleship_31 Start: 19208, Stop: 20995, Start Num: 50
Candidate Starts for Battleship_31:
(32, 19142), (Start: 41 @19184 has 10 MA's), (Start: 50 @19208 has 603 MA's), (92, 19346), (102, 19403), (110, 19445), (117, 19481), (122, 19520), (134, 19589), (138, 19613), (145, 19667), (176, 19817), (187, 19862), (191, 19892), (199, 19928), (207, 19979), (215, 20015), (224, 20063), (232, 20123), (260, 20252), (277, 20330), (322, 20531), (323, 20537), (339, 20633), (368, 20798), (384, 20897),

Gene: Baumdotcom_34 Start: 29556, Stop: 31319, Start Num: 34
Candidate Starts for Baumdotcom_34:
(Start: 34 @29556 has 86 MA's), (Start: 39 @29592 has 5 MA's), (83, 29721), (86, 29730), (102, 29826), (105, 29835), (114, 29904), (122, 29955), (123, 29964), (129, 30000), (133, 30015), (135, 30033), (144, 30096), (154, 30141), (156, 30150), (179, 30261), (181, 30270), (185, 30285), (189, 30309), (194, 30339), (244, 30561), (248, 30579), (252, 30594), (260, 30636), (261, 30639), (267, 30666), (294, 30786), (315, 30849), (346, 30990), (347, 30993), (355, 31041), (361, 31068), (365, 31095), (374, 31149), (380, 31176), (390, 31266), (400, 31314),

Gene: Beatrix_27 Start: 22534, Stop: 24336, Start Num: 52
Candidate Starts for Beatrix_27:
(Start: 52 @22534 has 230 MA's), (Start: 61 @22555 has 6 MA's), (Start: 71 @22597 has 1 MA's), (85, 22642), (122, 22858), (129, 22903), (132, 22912), (138, 22951), (144, 23002), (145, 23005), (187, 23200), (200, 23269), (234, 23470), (235, 23473), (239, 23494), (260, 23590), (261, 23593), (263, 23599), (277, 23668), (280, 23686), (282, 23695), (288, 23725), (314, 23821), (319, 23854), (322, 23869), (346, 24010), (356, 24067), (376, 24178),

Gene: Beauxregard13_29 Start: 20379, Stop: 22175, Start Num: 50
Candidate Starts for Beauxregard13_29:
(Start: 50 @20379 has 603 MA's), (Start: 71 @20436 has 1 MA's), (76, 20451), (86, 20484), (88, 20505), (91, 20520), (107, 20607), (109, 20619), (110, 20622), (122, 20697), (125, 20712), (131, 20748), (165, 20955), (191, 21069), (200, 21108), (216, 21195), (234, 21309), (239, 21333), (244, 21351), (261, 21432), (277, 21507), (280, 21525), (286, 21558), (288, 21564), (299, 21603), (313, 21657), (314, 21660), (318, 21681), (327, 21738), (356, 21906), (374, 22011), (376, 22017), (396, 22152),

Gene: Beemo_30 Start: 21783, Stop: 23573, Start Num: 50
Candidate Starts for Beemo_30:
(Start: 48 @21780 has 8 MA's), (Start: 50 @21783 has 603 MA's), (109, 22017), (110, 22020), (121, 22092), (122, 22095), (125, 22110), (132, 22149), (133, 22155), (148, 22266), (165, 22353), (185, 22434), (187, 22437), (220, 22623), (230, 22686), (235, 22710), (237, 22716), (244, 22749), (261, 22830), (286, 22956), (298, 22998), (314, 23058), (319, 23091), (322, 23106), (338, 23205), (339, 23208), (341, 23220), (356, 23304), (367, 23370), (374, 23409), (376, 23415), (382, 23460), (389, 23517), (390, 23520),

Gene: BeesKnees_28 Start: 21151, Stop: 22953, Start Num: 52
Candidate Starts for BeesKnees_28:
(Start: 52 @21151 has 230 MA's), (Start: 61 @21172 has 6 MA's), (Start: 71 @21214 has 1 MA's), (85, 21259), (122, 21475), (129, 21520), (132, 21529), (138, 21568), (144, 21619), (145, 21622), (187, 21817), (200, 21886), (234, 22087), (235, 22090), (239, 22111), (260, 22207), (261, 22210), (263, 22216), (277, 22285), (280, 22303), (282, 22312), (288, 22342), (314, 22438), (319, 22471), (322, 22486), (346, 22627), (356, 22684), (376, 22795),

Gene: Belenaria_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Belenaria_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Bellris_27 Start: 19606, Stop: 21396, Start Num: 50
Candidate Starts for Bellris_27:
(32, 19540), (42, 19591), (Start: 50 @19606 has 603 MA's), (85, 19702), (86, 19705), (104, 19807), (109, 19840), (110, 19843), (121, 19915), (122, 19918), (132, 19972), (133, 19978), (144, 20062), (148, 20089), (150, 20095), (152, 20101), (165, 20176), (185, 20257), (187, 20260), (197, 20320), (220, 20446), (230, 20509), (235, 20533), (242, 20566), (244, 20572), (261, 20653), (299, 20824), (314, 20881), (319, 20914), (322, 20929), (326, 20953), (333, 20989), (338, 21028), (341, 21043), (356, 21127), (367, 21193), (374, 21232), (376, 21238), (382, 21283),

Gene: BellusTerra_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for BellusTerra_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Benedict_24 Start: 18978, Stop: 20777, Start Num: 50
Candidate Starts for Benedict_24:
(Start: 50 @18978 has 603 MA's), (110, 19215), (122, 19290), (125, 19305), (131, 19341), (141, 19413), (143, 19428), (148, 19461), (150, 19467), (191, 19662), (197, 19692), (199, 19698), (216, 19788), (224, 19833), (234, 19902), (244, 19944), (249, 19962), (260, 20022), (261, 20025), (280, 20118), (313, 20259), (319, 20295), (373, 20610), (376, 20619), (396, 20754),

Gene: BengiVuitton_29 Start: 20620, Stop: 22392, Start Num: 50
Candidate Starts for BengiVuitton_29:

(Start: 41 @20596 has 10 MA's), (Start: 50 @20620 has 603 MA's), (86, 20719), (109, 20854), (110, 20857), (121, 20929), (122, 20932), (132, 20986), (133, 20992), (138, 21025), (143, 21070), (148, 21103), (165, 21190), (185, 21271), (187, 21274), (194, 21316), (220, 21460), (235, 21547), (257, 21652), (261, 21667), (286, 21793), (288, 21799), (309, 21847), (322, 21925), (323, 21931), (333, 21985), (338, 22024), (341, 22039), (356, 22123), (376, 22234),

Gene: BennyP_31 Start: 19976, Stop: 21748, Start Num: 50
Candidate Starts for BennyP_31:
(32, 19910), (Start: 41 @19952 has 10 MA's), (Start: 50 @19976 has 603 MA's), (103, 20174), (110, 20213), (121, 20285), (122, 20288), (126, 20306), (132, 20342), (133, 20348), (148, 20459), (150, 20465), (159, 20504), (165, 20546), (176, 20585), (185, 20627), (187, 20630), (197, 20690), (240, 20927), (244, 20942), (261, 21023), (288, 21155), (322, 21281), (331, 21332), (333, 21341), (338, 21380), (339, 21383), (341, 21395), (356, 21479), (374, 21584), (376, 21590), (396, 21725),

Gene: Benvolio_28 Start: 20292, Stop: 22064, Start Num: 50
Candidate Starts for Benvolio_28:
(Start: 41 @20268 has 10 MA's), (Start: 50 @20292 has 603 MA's), (86, 20391), (100, 20475), (109, 20526), (110, 20529), (121, 20601), (122, 20604), (132, 20658), (138, 20697), (148, 20775), (165, 20862), (185, 20943), (187, 20946), (235, 21219), (261, 21339), (286, 21465), (288, 21471), (309, 21519), (319, 21582), (322, 21597), (323, 21603), (333, 21657), (338, 21696), (341, 21711), (356, 21795), (376, 21906),

Gene: Bethlehem_27 Start: 22379, Stop: 24181, Start Num: 52
Candidate Starts for Bethlehem_27:
(Start: 52 @22379 has 230 MA's), (Start: 61 @22400 has 6 MA's), (Start: 71 @22442 has 1 MA's), (85, 22487), (122, 22703), (129, 22748), (132, 22757), (144, 22847), (145, 22850), (162, 22943), (187, 23045), (200, 23114), (231, 23303), (234, 23315), (235, 23318), (239, 23339), (260, 23435), (261, 23438), (263, 23444), (277, 23513), (280, 23531), (282, 23540), (288, 23570), (314, 23666), (319, 23699), (322, 23714), (346, 23855), (356, 23912), (376, 24023),

Gene: Bexan_26 Start: 22101, Stop: 23903, Start Num: 52
Candidate Starts for Bexan_26:
(Start: 52 @22101 has 230 MA's), (Start: 61 @22122 has 6 MA's), (Start: 71 @22164 has 1 MA's), (85, 22209), (122, 22425), (129, 22470), (132, 22479), (138, 22518), (144, 22569), (145, 22572), (187, 22767), (200, 22836), (234, 23037), (235, 23040), (239, 23061), (260, 23157), (261, 23160), (263, 23166), (277, 23235), (280, 23253), (282, 23262), (288, 23292), (314, 23388), (319, 23421), (322, 23436), (327, 23466), (346, 23577), (356, 23634), (376, 23745),

Gene: BiancaTri92_30 Start: 21973, Stop: 23745, Start Num: 50
Candidate Starts for BiancaTri92_30:
(Start: 41 @21949 has 10 MA's), (Start: 50 @21973 has 603 MA's), (91, 22108), (96, 22126), (109, 22207), (110, 22210), (121, 22282), (122, 22285), (132, 22339), (143, 22423), (148, 22456), (157, 22489), (165, 22543), (180, 22603), (185, 22624), (187, 22627), (220, 22813), (235, 22900), (244, 22939), (261, 23020), (286, 23146), (288, 23152), (295, 23176), (309, 23200), (319, 23263), (322, 23278), (323, 23284), (333, 23338), (338, 23377), (341, 23392), (376, 23587),

Gene: Bibwit_34 Start: 30470, Stop: 32233, Start Num: 34
Candidate Starts for Bibwit_34:
(31, 30452), (Start: 34 @30470 has 86 MA's), (Start: 39 @30506 has 5 MA's), (86, 30644), (102, 30740), (105, 30749), (114, 30818), (122, 30869), (129, 30914), (133, 30929), (144, 31010), (154, 31055), (156, 31064), (175, 31154), (181, 31184), (185, 31199), (186, 31208), (189, 31223), (194, 31253), (244, 31475), (248, 31493), (252, 31508), (257, 31538), (260, 31550), (261, 31553), (267, 31580), (346, 31904), (347, 31907), (355, 31955), (361, 31982), (365, 32009), (374, 32063), (379,

32087), (380, 32090), (390, 32180), (400, 32228),

Gene: Big3_27 Start: 21732, Stop: 23534, Start Num: 52
Candidate Starts for Big3_27:
(Start: 52 @21732 has 230 MA's), (Start: 61 @21753 has 6 MA's), (Start: 71 @21795 has 1 MA's), (85, 21840), (122, 22056), (129, 22101), (132, 22110), (138, 22149), (144, 22200), (145, 22203), (187, 22398), (200, 22467), (234, 22668), (235, 22671), (239, 22692), (260, 22788), (261, 22791), (263, 22797), (277, 22866), (280, 22884), (282, 22893), (288, 22923), (314, 23019), (319, 23052), (322, 23067), (346, 23208), (356, 23265), (376, 23376),

Gene: BigMau_29 Start: 21333, Stop: 23135, Start Num: 52
Candidate Starts for BigMau_29:
(Start: 52 @21333 has 230 MA's), (Start: 61 @21354 has 6 MA's), (Start: 71 @21396 has 1 MA's), (85, 21441), (122, 21657), (129, 21702), (132, 21711), (138, 21750), (144, 21801), (145, 21804), (187, 21999), (200, 22068), (234, 22269), (235, 22272), (239, 22293), (260, 22389), (261, 22392), (263, 22398), (277, 22467), (280, 22485), (282, 22494), (288, 22524), (314, 22620), (319, 22653), (322, 22668), (346, 22809), (356, 22866), (376, 22977),

Gene: BigPaolini_28 Start: 21730, Stop: 23532, Start Num: 52
Candidate Starts for BigPaolini_28:
(Start: 52 @21730 has 230 MA's), (Start: 61 @21751 has 6 MA's), (Start: 71 @21793 has 1 MA's), (85, 21838), (122, 22054), (129, 22099), (132, 22108), (138, 22147), (144, 22198), (145, 22201), (187, 22396), (200, 22465), (234, 22666), (235, 22669), (239, 22690), (260, 22786), (261, 22789), (263, 22795), (277, 22864), (280, 22882), (282, 22891), (288, 22921), (314, 23017), (319, 23050), (322, 23065), (346, 23206), (356, 23263), (376, 23374), (400, 23527),

Gene: Bigchungi_27 Start: 21103, Stop: 22905, Start Num: 52
Candidate Starts for Bigchungi_27:
(Start: 52 @21103 has 230 MA's), (Start: 61 @21124 has 6 MA's), (Start: 71 @21166 has 1 MA's), (122, 21427), (129, 21472), (132, 21481), (138, 21520), (144, 21571), (145, 21574), (187, 21769), (200, 21838), (234, 22039), (235, 22042), (239, 22063), (260, 22159), (261, 22162), (263, 22168), (277, 22237), (280, 22255), (282, 22264), (288, 22294), (314, 22390), (319, 22423), (322, 22438), (346, 22579), (356, 22636), (376, 22747),

Gene: Bigflo_29 Start: 20378, Stop: 22174, Start Num: 50
Candidate Starts for Bigflo_29:
(Start: 50 @20378 has 603 MA's), (Start: 71 @20435 has 1 MA's), (76, 20450), (86, 20483), (88, 20504), (91, 20519), (107, 20606), (109, 20618), (110, 20621), (122, 20696), (125, 20711), (131, 20747), (165, 20954), (191, 21068), (200, 21107), (216, 21194), (234, 21308), (239, 21332), (244, 21350), (261, 21431), (277, 21506), (280, 21524), (286, 21557), (288, 21563), (299, 21602), (313, 21656), (314, 21659), (318, 21680), (327, 21737), (356, 21905), (374, 22010), (376, 22016), (396, 22151),

Gene: Bigfoot_26 Start: 20939, Stop: 22741, Start Num: 52
Candidate Starts for Bigfoot_26:
(Start: 52 @20939 has 230 MA's), (Start: 61 @20960 has 6 MA's), (Start: 71 @21002 has 1 MA's), (85, 21047), (122, 21263), (129, 21308), (132, 21317), (144, 21407), (145, 21410), (162, 21503), (187, 21605), (200, 21674), (231, 21863), (234, 21875), (235, 21878), (239, 21899), (260, 21995), (261, 21998), (263, 22004), (277, 22073), (280, 22091), (282, 22100), (288, 22130), (314, 22226), (319, 22259), (322, 22274), (327, 22304), (346, 22415), (356, 22472), (376, 22583),

Gene: BillKnuckles_28 Start: 21817, Stop: 23619, Start Num: 52
Candidate Starts for BillKnuckles_28:

(Start: 52 @21817 has 230 MA's), (Start: 61 @21838 has 6 MA's), (Start: 71 @21880 has 1 MA's), (85, 21925), (122, 22141), (129, 22186), (132, 22195), (138, 22234), (144, 22285), (150, 22318), (187, 22483), (200, 22552), (234, 22753), (235, 22756), (239, 22777), (260, 22873), (261, 22876), (263, 22882), (277, 22951), (280, 22969), (282, 22978), (288, 23008), (314, 23104), (319, 23137), (322, 23152), (346, 23293), (356, 23350), (376, 23461),

Gene: Bircsak_27 Start: 21589, Stop: 23391, Start Num: 52
Candidate Starts for Bircsak_27:
(Start: 52 @21589 has 230 MA's), (Start: 61 @21610 has 6 MA's), (Start: 71 @21652 has 1 MA's), (85, 21697), (122, 21913), (129, 21958), (132, 21967), (144, 22057), (145, 22060), (148, 22084), (187, 22255), (200, 22324), (234, 22525), (235, 22528), (239, 22549), (260, 22645), (261, 22648), (263, 22654), (277, 22723), (280, 22741), (282, 22750), (288, 22780), (314, 22876), (319, 22909), (322, 22924), (346, 23065), (356, 23122), (376, 23233),

Gene: Bizzy_35 Start: 29879, Stop: 31642, Start Num: 34
Candidate Starts for Bizzy_35:
(Start: 34 @29879 has 86 MA's), (Start: 39 @29915 has 5 MA's), (83, 30044), (86, 30053), (102, 30149), (105, 30158), (114, 30227), (122, 30278), (129, 30323), (133, 30338), (135, 30356), (144, 30419), (154, 30464), (156, 30473), (179, 30584), (181, 30593), (185, 30608), (186, 30617), (189, 30632), (194, 30662), (244, 30884), (248, 30902), (252, 30917), (260, 30959), (261, 30962), (267, 30989), (294, 31109), (346, 31313), (347, 31316), (355, 31364), (361, 31391), (365, 31418), (374, 31472), (380, 31499),

Gene: Blackflame_27 Start: 21133, Stop: 22914, Start Num: 61
Candidate Starts for Blackflame_27:
(Start: 52 @21112 has 230 MA's), (Start: 61 @21133 has 6 MA's), (Start: 71 @21175 has 1 MA's), (85, 21220), (122, 21436), (129, 21481), (132, 21490), (138, 21529), (144, 21580), (145, 21583), (162, 21676), (187, 21778), (200, 21847), (234, 22048), (235, 22051), (239, 22072), (260, 22168), (261, 22171), (263, 22177), (277, 22246), (280, 22264), (282, 22273), (288, 22303), (314, 22399), (319, 22432), (322, 22447), (346, 22588), (356, 22645), (376, 22756),

Gene: Blackmoor_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Blackmoor_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Blarby_20 Start: 14264, Stop: 15928, Start Num: 53
Candidate Starts for Blarby_20:
(Start: 53 @14264 has 7 MA's), (78, 14345), (87, 14375), (92, 14408), (105, 14474), (111, 14513), (112, 14525), (116, 14549), (124, 14606), (125, 14609), (129, 14639), (130, 14642), (138, 14687), (139, 14705), (145, 14741), (154, 14783), (181, 14915), (184, 14927), (185, 14930), (186, 14939), (191, 14972), (194, 14984), (199, 15008), (261, 15281), (264, 15293), (276, 15338), (280, 15359), (345, 15599), (346, 15602), (347, 15605), (376, 15767), (381, 15791), (386, 15851), (398, 15914),

Gene: BlessJoy_31 Start: 19971, Stop: 21743, Start Num: 50
Candidate Starts for BlessJoy_31:
(32, 19905), (Start: 41 @19947 has 10 MA's), (Start: 50 @19971 has 603 MA's), (110, 20208), (121, 20280), (122, 20283), (125, 20298), (132, 20337), (133, 20343), (148, 20454), (150, 20460), (159, 20499), (165, 20541), (176, 20580), (185, 20622), (187, 20625), (216, 20781), (240, 20922), (244,

20937), (288, 21150), (318, 21249), (322, 21276), (331, 21327), (333, 21336), (338, 21375), (341, 21390), (356, 21474), (374, 21579), (376, 21585), (396, 21720),

Gene: Blesser_27 Start: 21541, Stop: 23322, Start Num: 61
Candidate Starts for Blesser_27:
(Start: 52 @21520 has 230 MA's), (Start: 61 @21541 has 6 MA's), (Start: 71 @21583 has 1 MA's), (122, 21844), (129, 21889), (132, 21898), (144, 21988), (145, 21991), (162, 22084), (187, 22186), (200, 22255), (231, 22444), (234, 22456), (235, 22459), (239, 22480), (260, 22576), (261, 22579), (263, 22585), (277, 22654), (280, 22672), (282, 22681), (288, 22711), (314, 22807), (319, 22840), (322, 22855), (346, 22996), (356, 23053), (376, 23164), (400, 23317),

Gene: Blinn1_31 Start: 20042, Stop: 21814, Start Num: 50
Candidate Starts for Blinn1_31:
(32, 19976), (Start: 41 @20018 has 10 MA's), (Start: 50 @20042 has 603 MA's), (92, 20180), (103, 20240), (109, 20276), (110, 20279), (121, 20351), (122, 20354), (132, 20408), (133, 20414), (139, 20465), (148, 20525), (150, 20531), (159, 20570), (165, 20612), (176, 20651), (185, 20693), (187, 20696), (197, 20756), (240, 20993), (244, 21008), (261, 21089), (279, 21176), (288, 21221), (322, 21347), (333, 21407), (338, 21446), (339, 21449), (341, 21461), (356, 21545), (374, 21650), (376, 21656), (396, 21791),

Gene: BluSpix_27 Start: 21113, Stop: 22915, Start Num: 52
Candidate Starts for BluSpix_27:
(Start: 52 @21113 has 230 MA's), (Start: 61 @21134 has 6 MA's), (Start: 71 @21176 has 1 MA's), (85, 21221), (122, 21437), (129, 21482), (132, 21491), (144, 21581), (145, 21584), (162, 21677), (187, 21779), (200, 21848), (234, 22049), (235, 22052), (239, 22073), (260, 22169), (261, 22172), (263, 22178), (277, 22247), (280, 22265), (282, 22274), (288, 22304), (314, 22400), (319, 22433), (322, 22448), (346, 22589), (356, 22646), (376, 22757),

Gene: Blue_27 Start: 21585, Stop: 23387, Start Num: 52
Candidate Starts for Blue_27:
(Start: 52 @21585 has 230 MA's), (Start: 61 @21606 has 6 MA's), (Start: 71 @21648 has 1 MA's), (85, 21693), (122, 21909), (129, 21954), (132, 21963), (144, 22053), (145, 22056), (162, 22149), (187, 22251), (200, 22320), (234, 22521), (235, 22524), (239, 22545), (260, 22641), (261, 22644), (263, 22650), (277, 22719), (280, 22737), (282, 22746), (288, 22776), (314, 22872), (319, 22905), (322, 22920), (346, 23061), (356, 23118), (376, 23229),

Gene: Blue7_31 Start: 19963, Stop: 21735, Start Num: 50
Candidate Starts for Blue7_31:
(32, 19897), (Start: 41 @19939 has 10 MA's), (Start: 50 @19963 has 603 MA's), (110, 20200), (121, 20272), (122, 20275), (125, 20290), (132, 20329), (133, 20335), (148, 20446), (150, 20452), (159, 20491), (165, 20533), (176, 20572), (185, 20614), (187, 20617), (216, 20773), (240, 20914), (244, 20929), (288, 21142), (318, 21241), (322, 21268), (331, 21319), (333, 21328), (338, 21367), (341, 21382), (356, 21466), (374, 21571), (376, 21577), (396, 21712),

Gene: BlueBird_28 Start: 19904, Stop: 21700, Start Num: 50
Candidate Starts for BlueBird_28:
(Start: 50 @19904 has 603 MA's), (Start: 71 @19961 has 1 MA's), (88, 20030), (107, 20132), (109, 20144), (110, 20147), (122, 20222), (125, 20237), (132, 20276), (154, 20411), (165, 20480), (191, 20594), (216, 20720), (234, 20834), (239, 20858), (244, 20876), (261, 20957), (277, 21032), (280, 21050), (282, 21059), (286, 21083), (288, 21089), (291, 21104), (304, 21137), (313, 21182), (314, 21185), (318, 21206), (319, 21218), (321, 21224), (330, 21281), (356, 21431), (362, 21455), (374, 21536), (376, 21542), (396, 21677),

Gene: Bluefalcon_23 Start: 19814, Stop: 21613, Start Num: 50
Candidate Starts for Bluefalcon_23:
(Start: 50 @19814 has 603 MA's), (92, 19952), (110, 20051), (122, 20126), (131, 20177), (141, 20249), (143, 20264), (148, 20297), (150, 20303), (169, 20396), (191, 20498), (197, 20528), (199, 20534), (216, 20624), (220, 20654), (231, 20726), (234, 20738), (235, 20741), (244, 20780), (249, 20798), (260, 20858), (261, 20861), (273, 20912), (280, 20954), (313, 21095), (321, 21137), (376, 21455), (396, 21590),

Gene: Bob3_26 Start: 20673, Stop: 22475, Start Num: 52
Candidate Starts for Bob3_26:
(Start: 52 @20673 has 230 MA's), (Start: 61 @20694 has 6 MA's), (Start: 71 @20736 has 1 MA's), (85, 20781), (122, 20997), (129, 21042), (132, 21051), (138, 21090), (144, 21141), (145, 21144), (187, 21339), (200, 21408), (234, 21609), (235, 21612), (239, 21633), (260, 21729), (261, 21732), (263, 21738), (277, 21807), (280, 21825), (282, 21834), (288, 21864), (314, 21960), (319, 21993), (322, 22008), (346, 22149), (356, 22206), (376, 22317),

Gene: BobBob_32 Start: 29751, Stop: 31514, Start Num: 34
Candidate Starts for BobBob_32:
(31, 29733), (Start: 34 @29751 has 86 MA's), (Start: 39 @29787 has 5 MA's), (86, 29925), (102, 30021), (105, 30030), (114, 30099), (122, 30150), (129, 30195), (133, 30210), (144, 30291), (154, 30336), (156, 30345), (175, 30435), (181, 30465), (185, 30480), (189, 30504), (194, 30534), (223, 30639), (244, 30756), (248, 30774), (252, 30789), (257, 30819), (260, 30831), (261, 30834), (267, 30861), (346, 31185), (347, 31188), (355, 31236), (361, 31263), (365, 31290), (374, 31344), (380, 31371), (400, 31509),

Gene: BobSwaget_31 Start: 21794, Stop: 23590, Start Num: 41
Candidate Starts for BobSwaget_31:
(Start: 41 @21794 has 10 MA's), (Start: 50 @21818 has 603 MA's), (100, 22001), (109, 22052), (110, 22055), (121, 22127), (122, 22130), (132, 22184), (138, 22223), (148, 22301), (165, 22388), (185, 22469), (187, 22472), (194, 22514), (220, 22658), (230, 22721), (235, 22745), (244, 22784), (261, 22865), (288, 22997), (319, 23108), (322, 23123), (323, 23129), (333, 23183), (338, 23222), (341, 23237), (348, 23270), (356, 23321), (370, 23399), (374, 23426), (376, 23432), (383, 23486),

Gene: BobbyDazzler_23 Start: 16907, Stop: 18019, Start Num: 160
Candidate Starts for BobbyDazzler_23:
(Start: 60 @16379 has 3 MA's), (Start: 64 @16394 has 32 MA's), (83, 16463), (90, 16499), (122, 16685), (142, 16814), (148, 16856), (156, 16883), (Start: 160 @16907 has 1 MA's), (162, 16925), (171, 16955), (174, 16970), (187, 17021), (203, 17105), (230, 17222), (235, 17246), (260, 17360), (271, 17408), (277, 17438), (283, 17477), (286, 17489), (309, 17519), (322, 17597), (354, 17744), (359, 17768), (365, 17804), (372, 17843), (399, 18011),

Gene: BogosyJay_29 Start: 21309, Stop: 23099, Start Num: 50
Candidate Starts for BogosyJay_29:
(Start: 41 @21285 has 10 MA's), (Start: 50 @21309 has 603 MA's), (109, 21543), (110, 21546), (121, 21618), (122, 21621), (125, 21636), (132, 21675), (133, 21681), (143, 21759), (148, 21792), (165, 21879), (185, 21960), (187, 21963), (209, 22089), (230, 22212), (232, 22224), (235, 22236), (237, 22242), (244, 22275), (261, 22356), (286, 22482), (304, 22536), (305, 22542), (314, 22584), (315, 22593), (319, 22617), (322, 22632), (326, 22656), (333, 22692), (338, 22731), (341, 22746), (356, 22830), (374, 22935), (376, 22941), (382, 22986), (389, 23043),

Gene: Bombshell_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Bombshell_27:

(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Bonamassa_24 Start: 19658, Stop: 21454, Start Num: 50
Candidate Starts for Bonamassa_24:
(Start: 50 @19658 has 603 MA's), (87, 19763), (92, 19796), (110, 19895), (122, 19970), (125, 19985), (131, 20021), (141, 20093), (143, 20108), (150, 20147), (157, 20174), (161, 20195), (167, 20234), (197, 20372), (199, 20378), (224, 20513), (231, 20570), (232, 20573), (234, 20582), (244, 20624), (249, 20642), (260, 20702), (261, 20705), (280, 20798), (282, 20807), (286, 20831), (313, 20939), (319, 20975), (356, 21185), (373, 21287), (376, 21296), (392, 21410), (396, 21431), (398, 21440),

Gene: Bonanza_23 Start: 16308, Stop: 17948, Start Num: 60
Candidate Starts for Bonanza_23:
(Start: 60 @16308 has 3 MA's), (Start: 64 @16323 has 32 MA's), (83, 16392), (90, 16428), (122, 16614), (142, 16743), (148, 16785), (156, 16812), (Start: 160 @16836 has 1 MA's), (162, 16854), (171, 16884), (174, 16899), (187, 16950), (203, 17034), (230, 17151), (235, 17175), (260, 17289), (271, 17337), (277, 17367), (283, 17406), (286, 17418), (309, 17448), (322, 17526), (354, 17673), (359, 17697), (365, 17733), (372, 17772), (399, 17940),

Gene: Bones_27 Start: 21039, Stop: 22841, Start Num: 52
Candidate Starts for Bones_27:
(Start: 52 @21039 has 230 MA's), (Start: 61 @21060 has 6 MA's), (Start: 71 @21102 has 1 MA's), (85, 21147), (122, 21363), (129, 21408), (132, 21417), (144, 21507), (145, 21510), (187, 21705), (200, 21774), (231, 21963), (234, 21975), (235, 21978), (239, 21999), (260, 22095), (261, 22098), (263, 22104), (277, 22173), (280, 22191), (282, 22200), (288, 22230), (314, 22326), (319, 22359), (322, 22374), (346, 22515), (356, 22572), (376, 22683), (400, 22836),

Gene: Boohoo_30 Start: 19096, Stop: 20883, Start Num: 50
Candidate Starts for Boohoo_30:
(32, 19030), (Start: 41 @19072 has 10 MA's), (Start: 50 @19096 has 603 MA's), (92, 19234), (102, 19291), (110, 19333), (117, 19369), (122, 19408), (134, 19477), (138, 19501), (145, 19555), (176, 19705), (187, 19750), (191, 19780), (199, 19816), (207, 19867), (215, 19903), (224, 19951), (232, 20011), (260, 20140), (277, 20218), (322, 20419), (323, 20425), (339, 20521), (368, 20686), (384, 20785),

Gene: BotCity_20 Start: 16426, Stop: 18123, Start Num: 49
Candidate Starts for BotCity_20:
(37, 16387), (Start: 49 @16426 has 37 MA's), (Start: 55 @16438 has 1 MA's), (79, 16516), (86, 16537), (94, 16585), (97, 16594), (103, 16636), (109, 16672), (118, 16729), (120, 16750), (125, 16777), (128, 16804), (152, 16945), (162, 17002), (169, 17029), (171, 17035), (181, 17083), (188, 17113), (193, 17149), (199, 17176), (200, 17179), (208, 17230), (221, 17257), (222, 17260), (226, 17287), (229, 17314), (246, 17386), (254, 17425), (268, 17479), (276, 17521), (293, 17596), (315, 17659), (320, 17686), (323, 17704), (343, 17788), (345, 17797), (346, 17800), (348, 17806), (352, 17821), (355, 17851), (356, 17857), (361, 17878), (362, 17881), (370, 17935), (376, 17965), (377, 17974), (384, 18025), (387, 18058), (390, 18070), (394, 18088),

Gene: Bowser_19 Start: 16618, Stop: 18348, Start Num: 45
Candidate Starts for Bowser_19:

(26, 16501), (37, 16585), (Start: 39 @16597 has 5 MA's), (Start: 45 @16618 has 6 MA's), (107, 16855), (112, 16888), (144, 17101), (159, 17173), (165, 17215), (175, 17251), (181, 17281), (186, 17305), (193, 17347), (199, 17374), (200, 17377), (218, 17431), (219, 17437), (231, 17524), (296, 17815), (297, 17818), (323, 17926), (346, 18022), (351, 18040), (361, 18100), (370, 18157), (377, 18196), (378, 18199), (381, 18211), (388, 18286), (394, 18313),

Gene: Bowtie_28 Start: 20755, Stop: 22554, Start Num: 50
Candidate Starts for Bowtie_28:
(32, 20689), (Start: 41 @20731 has 10 MA's), (Start: 50 @20755 has 603 MA's), (68, 20797), (92, 20893), (96, 20908), (109, 20989), (110, 20992), (122, 21067), (125, 21082), (132, 21121), (133, 21127), (148, 21238), (150, 21244), (165, 21325), (187, 21409), (209, 21535), (214, 21553), (219, 21580), (244, 21721), (257, 21787), (260, 21799), (261, 21802), (285, 21925), (304, 21991), (311, 22018), (315, 22048), (316, 22051), (319, 22072), (322, 22087), (326, 22111), (338, 22186), (341, 22201), (356, 22285), (374, 22390), (376, 22396), (383, 22450), (400, 22549),

Gene: Bradman_27 Start: 19074, Stop: 20864, Start Num: 50
Candidate Starts for Bradman_27:
(32, 19008), (Start: 41 @19050 has 10 MA's), (Start: 50 @19074 has 603 MA's), (92, 19212), (96, 19227), (109, 19308), (110, 19311), (121, 19383), (122, 19386), (132, 19440), (133, 19446), (135, 19464), (143, 19524), (148, 19557), (150, 19563), (159, 19602), (165, 19644), (185, 19725), (187, 19728), (197, 19788), (220, 19914), (234, 19998), (244, 20040), (255, 20091), (261, 20121), (286, 20247), (307, 20310), (319, 20382), (322, 20397), (326, 20421), (338, 20496), (341, 20511), (356, 20595), (374, 20700), (376, 20706), (379, 20724), (382, 20751), (383, 20760),

Gene: Bradshaw_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Bradshaw_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Brandonk123_36 Start: 30817, Stop: 32580, Start Num: 34
Candidate Starts for Brandonk123_36:
(31, 30799), (Start: 34 @30817 has 86 MA's), (Start: 39 @30853 has 5 MA's), (86, 30991), (102, 31087), (105, 31096), (114, 31165), (122, 31216), (129, 31261), (133, 31276), (144, 31357), (154, 31402), (156, 31411), (175, 31501), (181, 31531), (185, 31546), (189, 31570), (194, 31600), (244, 31822), (248, 31840), (252, 31855), (257, 31885), (260, 31897), (261, 31900), (267, 31927), (346, 32251), (347, 32254), (355, 32302), (361, 32329), (365, 32356), (374, 32410), (380, 32437), (400, 32575),

Gene: Brawn1_31 Start: 29625, Stop: 31388, Start Num: 34
Candidate Starts for Brawn1_31:
(31, 29607), (Start: 34 @29625 has 86 MA's), (Start: 39 @29661 has 5 MA's), (86, 29799), (102, 29895), (105, 29904), (114, 29973), (122, 30024), (129, 30069), (133, 30084), (144, 30165), (154, 30210), (156, 30219), (175, 30309), (181, 30339), (185, 30354), (189, 30378), (194, 30408), (223, 30513), (244, 30630), (248, 30648), (252, 30663), (257, 30693), (260, 30705), (261, 30708), (267, 30735), (346, 31059), (347, 31062), (355, 31110), (361, 31137), (365, 31164), (374, 31218), (380, 31245), (398, 31374),

Gene: BreSam8_29 Start: 20372, Stop: 22168, Start Num: 50
Candidate Starts for BreSam8_29:

(Start: 50 @20372 has 603 MA's), (Start: 71 @20429 has 1 MA's), (76, 20444), (88, 20498), (91, 20513), (107, 20600), (109, 20612), (110, 20615), (122, 20690), (125, 20705), (131, 20741), (165, 20948), (200, 21101), (216, 21188), (234, 21302), (239, 21326), (244, 21344), (261, 21425), (277, 21500), (280, 21518), (286, 21551), (288, 21557), (299, 21596), (313, 21650), (314, 21653), (318, 21674), (327, 21731), (356, 21899), (374, 22004), (376, 22010), (396, 22145),

Gene: Briton15_29 Start: 21386, Stop: 23188, Start Num: 52
Candidate Starts for Briton15_29:
(Start: 52 @21386 has 230 MA's), (Start: 61 @21407 has 6 MA's), (Start: 71 @21449 has 1 MA's), (85, 21494), (122, 21710), (129, 21755), (132, 21764), (138, 21803), (144, 21854), (145, 21857), (162, 21950), (187, 22052), (200, 22121), (231, 22310), (234, 22322), (235, 22325), (239, 22346), (260, 22442), (261, 22445), (263, 22451), (277, 22520), (280, 22538), (282, 22547), (288, 22577), (314, 22673), (319, 22706), (322, 22721), (346, 22862), (356, 22919), (376, 23030),

Gene: Broseidon_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Broseidon_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Bruiser_26 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Bruiser_26:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Bruns_26 Start: 21014, Stop: 22816, Start Num: 52
Candidate Starts for Bruns_26:
(Start: 52 @21014 has 230 MA's), (Start: 61 @21035 has 6 MA's), (Start: 71 @21077 has 1 MA's), (85, 21122), (122, 21338), (129, 21383), (132, 21392), (144, 21482), (145, 21485), (148, 21509), (162, 21578), (187, 21680), (200, 21749), (231, 21938), (234, 21950), (235, 21953), (239, 21974), (260, 22070), (261, 22073), (263, 22079), (277, 22148), (280, 22166), (282, 22175), (288, 22205), (314, 22301), (319, 22334), (322, 22349), (346, 22490), (356, 22547), (376, 22658),

Gene: Bryce_23 Start: 16323, Stop: 17948, Start Num: 64
Candidate Starts for Bryce_23:
(Start: 60 @16308 has 3 MA's), (Start: 64 @16323 has 32 MA's), (75, 16365), (83, 16392), (90, 16428), (122, 16614), (142, 16743), (148, 16785), (156, 16812), (Start: 160 @16836 has 1 MA's), (162, 16854), (171, 16884), (174, 16899), (187, 16950), (203, 17034), (230, 17151), (235, 17175), (260, 17289), (271, 17337), (277, 17367), (283, 17406), (286, 17418), (309, 17448), (322, 17526), (354, 17673), (359, 17697), (365, 17733), (372, 17772), (399, 17940),

Gene: BubbleTrouble_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for BubbleTrouble_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216,

20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Buckaroo_26 Start: 19831, Stop: 21609, Start Num: 50
Candidate Starts for Buckaroo_26:
(Start: 41 @19807 has 10 MA's), (Start: 50 @19831 has 603 MA's), (Start: 71 @19888 has 1 MA's), (87, 19942), (88, 19957), (92, 19975), (107, 20059), (109, 20071), (110, 20074), (122, 20149), (125, 20164), (132, 20203), (148, 20320), (165, 20407), (185, 20488), (195, 20536), (200, 20560), (216, 20647), (224, 20692), (235, 20764), (239, 20785), (244, 20803), (261, 20884), (280, 20977), (282, 20986), (286, 21010), (288, 21016), (295, 21040), (314, 21094), (318, 21115), (326, 21166), (330, 21190), (356, 21340), (374, 21445), (377, 21460), (393, 21568), (396, 21586),

Gene: Bud_28 Start: 20761, Stop: 22560, Start Num: 50
Candidate Starts for Bud_28:
(32, 20695), (Start: 41 @20737 has 10 MA's), (Start: 50 @20761 has 603 MA's), (68, 20803), (92, 20899), (96, 20914), (109, 20995), (110, 20998), (122, 21073), (125, 21088), (132, 21127), (133, 21133), (139, 21184), (148, 21244), (150, 21250), (165, 21331), (187, 21415), (209, 21541), (214, 21559), (219, 21586), (244, 21727), (257, 21793), (260, 21805), (261, 21808), (304, 21997), (311, 22024), (312, 22033), (315, 22054), (316, 22057), (319, 22078), (322, 22093), (326, 22117), (338, 22192), (341, 22207), (356, 22291), (374, 22396), (376, 22402), (383, 22456), (400, 22555),

Gene: Budski_20 Start: 16421, Stop: 18118, Start Num: 49
Candidate Starts for Budski_20:
(37, 16382), (Start: 49 @16421 has 37 MA's), (Start: 55 @16433 has 1 MA's), (67, 16472), (79, 16511), (86, 16532), (94, 16580), (97, 16589), (103, 16631), (109, 16667), (118, 16724), (125, 16772), (128, 16799), (152, 16940), (162, 16997), (165, 17015), (169, 17024), (171, 17030), (181, 17078), (188, 17108), (193, 17144), (195, 17150), (199, 17171), (200, 17174), (208, 17225), (221, 17252), (222, 17255), (226, 17282), (229, 17309), (246, 17381), (254, 17420), (268, 17474), (276, 17516), (293, 17591), (315, 17654), (320, 17681), (321, 17684), (323, 17699), (343, 17783), (345, 17792), (346, 17795), (348, 17801), (351, 17813), (352, 17816), (355, 17846), (356, 17852), (361, 17873), (362, 17876), (370, 17930), (376, 17960), (377, 17969), (384, 18020), (387, 18053), (390, 18065), (394, 18083),

Gene: Bugatti_28 Start: 19904, Stop: 21700, Start Num: 50
Candidate Starts for Bugatti_28:
(Start: 50 @19904 has 603 MA's), (Start: 71 @19961 has 1 MA's), (88, 20030), (107, 20132), (109, 20144), (110, 20147), (122, 20222), (125, 20237), (132, 20276), (154, 20411), (165, 20480), (191, 20594), (216, 20720), (234, 20834), (239, 20858), (244, 20876), (261, 20957), (277, 21032), (280, 21050), (282, 21059), (286, 21083), (288, 21089), (291, 21104), (304, 21137), (313, 21182), (314, 21185), (318, 21206), (319, 21218), (321, 21224), (330, 21281), (356, 21431), (362, 21455), (374, 21536), (376, 21542), (396, 21677),

Gene: Bugsy_30 Start: 20696, Stop: 22468, Start Num: 50
Candidate Starts for Bugsy_30:
(Start: 41 @20672 has 10 MA's), (Start: 50 @20696 has 603 MA's), (86, 20795), (100, 20879), (109, 20930), (110, 20933), (121, 21005), (122, 21008), (132, 21062), (138, 21101), (148, 21179), (165, 21266), (185, 21347), (187, 21350), (220, 21536), (235, 21623), (257, 21728), (261, 21743), (286, 21869), (288, 21875), (309, 21923), (322, 22001), (323, 22007), (333, 22061), (338, 22100), (341, 22115), (356, 22199), (376, 22310),

Gene: Bumblebee11_27 Start: 19826, Stop: 21625, Start Num: 50
Candidate Starts for Bumblebee11_27:

(Start: 41 @19802 has 10 MA's), (Start: 50 @19826 has 603 MA's), (Start: 71 @19886 has 1 MA's), (88, 19955), (103, 20033), (107, 20057), (110, 20072), (117, 20108), (122, 20147), (125, 20162), (132, 20201), (145, 20294), (148, 20318), (165, 20405), (191, 20519), (200, 20558), (216, 20645), (224, 20690), (234, 20759), (239, 20783), (242, 20795), (261, 20882), (277, 20957), (280, 20975), (282, 20984), (286, 21008), (288, 21014), (291, 21029), (304, 21062), (313, 21107), (314, 21110), (318, 21131), (356, 21356), (370, 21434), (374, 21461), (376, 21467), (396, 21602),

Gene: Bunker_19 Start: 16748, Stop: 18478, Start Num: 47
Candidate Starts for Bunker_19:
(26, 16628), (37, 16712), (Start: 47 @16748 has 5 MA's), (112, 17018), (125, 17102), (159, 17303), (165, 17345), (175, 17381), (181, 17411), (186, 17435), (193, 17477), (199, 17504), (200, 17507), (218, 17561), (219, 17567), (231, 17654), (297, 17948), (316, 18014), (320, 18038), (323, 18056), (346, 18152), (351, 18170), (378, 18329), (388, 18416), (389, 18422), (394, 18443),

Gene: Burger_26 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Burger_26:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Burton_28 Start: 21234, Stop: 23036, Start Num: 52
Candidate Starts for Burton_28:
(Start: 52 @21234 has 230 MA's), (Start: 61 @21255 has 6 MA's), (Start: 71 @21297 has 1 MA's), (85, 21342), (122, 21558), (129, 21603), (132, 21612), (138, 21651), (144, 21702), (145, 21705), (162, 21798), (187, 21900), (200, 21969), (234, 22170), (235, 22173), (239, 22194), (260, 22290), (261, 22293), (263, 22299), (277, 22368), (280, 22386), (282, 22395), (288, 22425), (314, 22521), (319, 22554), (322, 22569), (346, 22710), (356, 22767), (376, 22878),

Gene: Button_19 Start: 14787, Stop: 16475, Start Num: 49
Candidate Starts for Button_19:
(10, 14367), (37, 14757), (Start: 43 @14784 has 2 MA's), (Start: 49 @14787 has 37 MA's), (91, 14928), (109, 15027), (116, 15072), (143, 15255), (147, 15285), (158, 15327), (162, 15357), (171, 15387), (172, 15399), (174, 15402), (191, 15492), (204, 15558), (206, 15573), (220, 15609), (224, 15624), (226, 15642), (231, 15681), (233, 15687), (253, 15771), (259, 15807), (260, 15810), (261, 15813), (265, 15828), (269, 15846), (270, 15849), (280, 15903), (320, 16032), (322, 16044), (323, 16050), (325, 16059), (332, 16071), (345, 16143), (346, 16146), (347, 16149), (364, 16245), (376, 16314), (377, 16323), (396, 16452), (398, 16461), (399, 16467),

Gene: Buttons_29 Start: 22075, Stop: 23877, Start Num: 52
Candidate Starts for Buttons_29:
(Start: 52 @22075 has 230 MA's), (Start: 61 @22096 has 6 MA's), (Start: 71 @22138 has 1 MA's), (85, 22183), (122, 22399), (129, 22444), (132, 22453), (138, 22492), (144, 22543), (145, 22546), (162, 22639), (187, 22741), (200, 22810), (210, 22870), (234, 23011), (235, 23014), (239, 23035), (260, 23131), (261, 23134), (263, 23140), (277, 23209), (280, 23227), (282, 23236), (288, 23266), (314, 23362), (319, 23395), (322, 23410), (346, 23551), (356, 23608), (376, 23719),

Gene: BuzzBuzz_28 Start: 20463, Stop: 22259, Start Num: 50
Candidate Starts for BuzzBuzz_28:
(Start: 50 @20463 has 603 MA's), (Start: 71 @20520 has 1 MA's), (76, 20535), (86, 20568), (88, 20589), (91, 20604), (107, 20691), (109, 20703), (110, 20706), (122, 20781), (125, 20796), (131,

20832), (165, 21039), (191, 21153), (200, 21192), (216, 21279), (234, 21393), (239, 21417), (244, 21435), (261, 21516), (277, 21591), (280, 21609), (286, 21642), (288, 21648), (299, 21687), (313, 21741), (314, 21744), (318, 21765), (327, 21822), (356, 21990), (374, 22095), (376, 22101), (396, 22236),

Gene: Bxb1_25 Start: 21185, Stop: 22987, Start Num: 52
Candidate Starts for Bxb1_25:
(Start: 52 @21185 has 230 MA's), (Start: 61 @21206 has 6 MA's), (Start: 71 @21248 has 1 MA's), (85, 21293), (122, 21509), (129, 21554), (132, 21563), (138, 21602), (144, 21653), (145, 21656), (187, 21851), (200, 21920), (234, 22121), (235, 22124), (239, 22145), (260, 22241), (261, 22244), (263, 22250), (277, 22319), (280, 22337), (282, 22346), (288, 22376), (314, 22472), (319, 22505), (322, 22520), (346, 22661), (356, 22718), (376, 22829),

Gene: Bxz2_28 Start: 20473, Stop: 22269, Start Num: 50
Candidate Starts for Bxz2_28:
(Start: 50 @20473 has 603 MA's), (Start: 71 @20530 has 1 MA's), (76, 20545), (86, 20578), (88, 20599), (91, 20614), (107, 20701), (109, 20713), (110, 20716), (122, 20791), (125, 20806), (131, 20842), (165, 21049), (191, 21163), (200, 21202), (216, 21289), (234, 21403), (239, 21427), (244, 21445), (261, 21526), (277, 21601), (280, 21619), (286, 21652), (288, 21658), (299, 21697), (313, 21751), (314, 21754), (318, 21775), (327, 21832), (356, 22000), (374, 22105), (376, 22111), (396, 22246),

Gene: C3_26 Start: 20192, Stop: 21982, Start Num: 50
Candidate Starts for C3_26:
(32, 20126), (Start: 41 @20168 has 10 MA's), (Start: 50 @20192 has 603 MA's), (109, 20426), (110, 20429), (121, 20501), (122, 20504), (125, 20519), (132, 20558), (133, 20564), (148, 20675), (154, 20693), (157, 20708), (165, 20762), (185, 20843), (187, 20846), (216, 21002), (220, 21032), (237, 21125), (261, 21239), (286, 21365), (319, 21500), (322, 21515), (326, 21539), (338, 21614), (339, 21617), (341, 21629), (356, 21713), (370, 21791), (374, 21818), (376, 21824), (382, 21869), (383, 21878), (396, 21959),

Gene: CRB1_28 Start: 20183, Stop: 21955, Start Num: 50
Candidate Starts for CRB1_28:
(Start: 41 @20159 has 10 MA's), (Start: 50 @20183 has 603 MA's), (86, 20282), (109, 20417), (110, 20420), (121, 20492), (122, 20495), (132, 20549), (133, 20555), (138, 20588), (148, 20666), (165, 20753), (185, 20834), (187, 20837), (220, 21023), (235, 21110), (257, 21215), (261, 21230), (286, 21356), (288, 21362), (309, 21410), (319, 21473), (322, 21488), (323, 21494), (328, 21524), (333, 21548), (338, 21587), (341, 21602), (356, 21686),

Gene: CactusRose_26 Start: 21034, Stop: 22836, Start Num: 52
Candidate Starts for CactusRose_26:
(Start: 52 @21034 has 230 MA's), (Start: 61 @21055 has 6 MA's), (Start: 71 @21097 has 1 MA's), (85, 21142), (122, 21358), (129, 21403), (132, 21412), (144, 21502), (162, 21598), (187, 21700), (200, 21769), (234, 21970), (235, 21973), (239, 21994), (260, 22090), (261, 22093), (263, 22099), (277, 22168), (280, 22186), (282, 22195), (288, 22225), (314, 22321), (319, 22354), (322, 22369), (327, 22399), (346, 22510), (356, 22567), (376, 22678),

Gene: Caelakin_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Caelakin_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282,

20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Cafasso_19 Start: 16548, Stop: 18212, Start Num: 56
Candidate Starts for Cafasso_19:
(Start: 48 @16533 has 8 MA's), (Start: 56 @16548 has 7 MA's), (58, 16554), (65, 16584), (68, 16593), (118, 16827), (122, 16860), (130, 16908), (141, 16983), (147, 17028), (165, 17118), (171, 17133), (182, 17187), (185, 17196), (191, 17229), (198, 17262), (200, 17268), (253, 17502), (255, 17514), (260, 17541), (267, 17574), (275, 17613), (277, 17622), (291, 17694), (310, 17709), (314, 17733), (322, 17781), (342, 17868), (348, 17889), (360, 17955), (370, 18021), (379, 18069), (390, 18159), (400, 18207),

Gene: Caitlin_24 Start: 18652, Stop: 20442, Start Num: 50
Candidate Starts for Caitlin_24:
(Start: 41 @18628 has 10 MA's), (Start: 50 @18652 has 603 MA's), (84, 18745), (92, 18790), (110, 18889), (117, 18925), (122, 18964), (125, 18979), (131, 19015), (148, 19135), (150, 19141), (176, 19261), (203, 19390), (216, 19462), (234, 19576), (280, 19792), (286, 19825), (314, 19927), (319, 19960), (322, 19975), (327, 20005), (373, 20275), (376, 20284), (377, 20293), (394, 20407),

Gene: Calvinny_29 Start: 20460, Stop: 22256, Start Num: 50
Candidate Starts for Calvinny_29:
(Start: 50 @20460 has 603 MA's), (Start: 71 @20517 has 1 MA's), (76, 20532), (88, 20586), (91, 20601), (107, 20688), (109, 20700), (110, 20703), (122, 20778), (125, 20793), (165, 21036), (200, 21189), (216, 21276), (230, 21369), (234, 21390), (239, 21414), (242, 21426), (244, 21432), (261, 21513), (277, 21588), (280, 21606), (282, 21615), (286, 21639), (288, 21645), (291, 21660), (299, 21684), (313, 21738), (314, 21741), (318, 21762), (374, 22092), (376, 22098), (396, 22233),

Gene: Camperdownii_26 Start: 19446, Stop: 21227, Start Num: 50
Candidate Starts for Camperdownii_26:
(Start: 41 @19422 has 10 MA's), (Start: 50 @19446 has 603 MA's), (Start: 54 @19452 has 3 MA's), (Start: 71 @19506 has 1 MA's), (76, 19521), (88, 19575), (92, 19593), (107, 19677), (109, 19689), (110, 19692), (122, 19767), (125, 19782), (132, 19821), (148, 19938), (165, 20025), (185, 20106), (195, 20154), (200, 20178), (216, 20265), (224, 20310), (235, 20382), (239, 20403), (244, 20421), (261, 20502), (280, 20595), (282, 20604), (286, 20628), (288, 20634), (295, 20658), (314, 20712), (318, 20733), (326, 20784), (330, 20808), (339, 20862), (356, 20958), (374, 21063), (377, 21078), (393, 21186), (396, 21204),

Gene: Candra_31 Start: 20012, Stop: 21784, Start Num: 50
Candidate Starts for Candra_31:
(32, 19946), (Start: 41 @19988 has 10 MA's), (Start: 50 @20012 has 603 MA's), (110, 20249), (121, 20321), (122, 20324), (125, 20339), (132, 20378), (133, 20384), (148, 20495), (150, 20501), (159, 20540), (165, 20582), (176, 20621), (185, 20663), (187, 20666), (216, 20822), (240, 20963), (244, 20978), (261, 21059), (288, 21191), (322, 21317), (331, 21368), (333, 21377), (338, 21416), (339, 21419), (341, 21431), (356, 21515), (374, 21620), (376, 21626), (396, 21761),

Gene: Caraxes_27 Start: 18835, Stop: 20625, Start Num: 50
Candidate Starts for Caraxes_27:
(32, 18769), (Start: 41 @18811 has 10 MA's), (Start: 50 @18835 has 603 MA's), (Start: 61 @18844 has 6 MA's), (96, 18988), (109, 19069), (110, 19072), (121, 19144), (122, 19147), (125, 19162), (132, 19201), (133, 19207), (148, 19318), (150, 19324), (157, 19351), (165, 19405), (185, 19486), (187, 19489), (216, 19645), (220, 19675), (234, 19759), (244, 19801), (255, 19852), (261, 19882), (286, 20008), (302, 20062), (311, 20089), (312, 20098), (314, 20110), (319, 20143), (322, 20158), (326, 20182), (338, 20257), (339, 20260), (341, 20272), (356, 20356), (374, 20461), (382, 20512), (383,

20521), (396, 20602),

Gene: Carlyle_29 Start: 21914, Stop: 23716, Start Num: 52
Candidate Starts for Carlyle_29:
(Start: 52 @21914 has 230 MA's), (Start: 61 @21935 has 6 MA's), (Start: 71 @21977 has 1 MA's), (85, 22022), (122, 22238), (129, 22283), (132, 22292), (138, 22331), (144, 22382), (145, 22385), (187, 22580), (200, 22649), (234, 22850), (235, 22853), (239, 22874), (260, 22970), (261, 22973), (263, 22979), (277, 23048), (280, 23066), (288, 23105), (314, 23201), (319, 23234), (322, 23249), (346, 23390), (356, 23447), (376, 23558), (400, 23711),

Gene: CartmannCramer_27 Start: 23195, Stop: 24934, Start Num: 71
Candidate Starts for CartmannCramer_27:
(Start: 52 @23132 has 230 MA's), (Start: 61 @23153 has 6 MA's), (Start: 71 @23195 has 1 MA's), (85, 23240), (122, 23456), (129, 23501), (132, 23510), (138, 23549), (144, 23600), (145, 23603), (187, 23798), (200, 23867), (210, 23927), (234, 24068), (235, 24071), (239, 24092), (260, 24188), (261, 24191), (263, 24197), (277, 24266), (280, 24284), (282, 24293), (288, 24323), (314, 24419), (319, 24452), (322, 24467), (346, 24608), (356, 24665), (376, 24776),

Gene: CatBus_29 Start: 22615, Stop: 24417, Start Num: 52
Candidate Starts for CatBus_29:
(Start: 52 @22615 has 230 MA's), (Start: 61 @22636 has 6 MA's), (Start: 71 @22678 has 1 MA's), (85, 22723), (122, 22939), (129, 22984), (132, 22993), (138, 23032), (144, 23083), (145, 23086), (187, 23281), (200, 23350), (234, 23551), (235, 23554), (239, 23575), (260, 23671), (261, 23674), (263, 23680), (277, 23749), (280, 23767), (282, 23776), (288, 23806), (314, 23902), (319, 23935), (322, 23950), (327, 23980), (346, 24091), (356, 24148), (376, 24259), (400, 24412),

Gene: Cat_25 Start: 19771, Stop: 21570, Start Num: 50
Candidate Starts for Cat_25:
(Start: 50 @19771 has 603 MA's), (Start: 71 @19831 has 1 MA's), (88, 19900), (107, 20002), (109, 20014), (110, 20017), (122, 20092), (125, 20107), (126, 20110), (132, 20146), (154, 20281), (165, 20350), (191, 20464), (216, 20590), (234, 20704), (239, 20728), (242, 20740), (244, 20746), (261, 20827), (277, 20902), (280, 20920), (282, 20929), (286, 20953), (288, 20959), (291, 20974), (307, 21016), (312, 21043), (313, 21052), (314, 21055), (318, 21076), (319, 21088), (356, 21301), (374, 21406), (376, 21412), (396, 21547),

Gene: Caviar_28 Start: 20455, Stop: 22254, Start Num: 50
Candidate Starts for Caviar_28:
(Start: 50 @20455 has 603 MA's), (Start: 71 @20515 has 1 MA's), (88, 20584), (107, 20686), (109, 20698), (110, 20701), (122, 20776), (125, 20791), (132, 20830), (154, 20965), (165, 21034), (191, 21148), (216, 21274), (234, 21388), (239, 21412), (242, 21424), (244, 21430), (261, 21511), (277, 21586), (280, 21604), (282, 21613), (286, 21637), (288, 21643), (291, 21658), (304, 21691), (313, 21736), (314, 21739), (318, 21760), (339, 21889), (356, 21985), (374, 22090), (376, 22096), (396, 22231),

Gene: Celestialunch_27 Start: 19691, Stop: 21481, Start Num: 50
Candidate Starts for Celestialunch_27:
(32, 19625), (Start: 41 @19667 has 10 MA's), (Start: 50 @19691 has 603 MA's), (96, 19844), (109, 19925), (110, 19928), (121, 20000), (122, 20003), (132, 20057), (133, 20063), (139, 20114), (143, 20141), (144, 20147), (148, 20174), (150, 20180), (159, 20219), (161, 20228), (165, 20261), (185, 20342), (187, 20345), (197, 20405), (217, 20507), (219, 20516), (220, 20531), (230, 20594), (244, 20657), (261, 20738), (286, 20864), (299, 20909), (313, 20963), (314, 20966), (322, 21014), (326, 21038), (338, 21113), (341, 21128), (356, 21212), (374, 21317), (376, 21323), (382, 21368), (397, 21464),

Gene: Centaur_30 Start: 20653, Stop: 22425, Start Num: 50
Candidate Starts for Centaur_30:
(Start: 41 @20629 has 10 MA's), (Start: 50 @20653 has 603 MA's), (91, 20788), (109, 20887), (110, 20890), (121, 20962), (122, 20965), (132, 21019), (133, 21025), (141, 21088), (148, 21136), (157, 21169), (165, 21223), (185, 21304), (187, 21307), (191, 21337), (220, 21493), (235, 21580), (261, 21700), (285, 21823), (286, 21826), (288, 21832), (309, 21880), (319, 21943), (322, 21958), (323, 21964), (333, 22018), (338, 22057), (341, 22072), (348, 22105), (355, 22150), (374, 22261), (376, 22267), (383, 22321),

Gene: CentreCat_27 Start: 19828, Stop: 21606, Start Num: 50
Candidate Starts for CentreCat_27:
(Start: 41 @19804 has 10 MA's), (Start: 50 @19828 has 603 MA's), (Start: 71 @19885 has 1 MA's), (87, 19939), (88, 19954), (92, 19972), (107, 20056), (109, 20068), (110, 20071), (122, 20146), (125, 20161), (132, 20200), (148, 20317), (165, 20404), (185, 20485), (195, 20533), (200, 20557), (216, 20644), (224, 20689), (235, 20761), (239, 20782), (244, 20800), (261, 20881), (280, 20974), (282, 20983), (286, 21007), (288, 21013), (295, 21037), (314, 21091), (318, 21112), (326, 21163), (330, 21187), (339, 21241), (356, 21337), (374, 21442), (377, 21457), (393, 21565), (396, 21583),

Gene: Cerulean_28 Start: 20139, Stop: 21920, Start Num: 50
Candidate Starts for Cerulean_28:
(Start: 41 @20115 has 10 MA's), (Start: 50 @20139 has 603 MA's), (Start: 54 @20145 has 3 MA's), (Start: 71 @20199 has 1 MA's), (76, 20214), (88, 20268), (92, 20286), (107, 20370), (109, 20382), (110, 20385), (122, 20460), (125, 20475), (132, 20514), (148, 20631), (165, 20718), (185, 20799), (195, 20847), (200, 20871), (216, 20958), (224, 21003), (235, 21075), (239, 21096), (244, 21114), (261, 21195), (277, 21270), (280, 21288), (282, 21297), (286, 21321), (288, 21327), (295, 21351), (312, 21393), (314, 21405), (318, 21426), (326, 21477), (330, 21501), (339, 21555), (356, 21651), (374, 21756), (377, 21771), (393, 21879), (396, 21897),

Gene: ChadMasterC_35 Start: 31682, Stop: 33445, Start Num: 34
Candidate Starts for ChadMasterC_35:
(31, 31664), (Start: 34 @31682 has 86 MA's), (Start: 39 @31718 has 5 MA's), (86, 31856), (102, 31952), (105, 31961), (114, 32030), (122, 32081), (129, 32126), (144, 32222), (154, 32267), (156, 32276), (175, 32366), (181, 32396), (185, 32411), (189, 32435), (194, 32465), (223, 32570), (244, 32687), (248, 32705), (252, 32720), (257, 32750), (260, 32762), (261, 32765), (267, 32792), (346, 33116), (347, 33119), (355, 33167), (361, 33194), (365, 33221), (374, 33275), (380, 33302), (398, 33431),

Gene: Chadwick_25 Start: 18946, Stop: 20745, Start Num: 50
Candidate Starts for Chadwick_25:
(Start: 50 @18946 has 603 MA's), (110, 19183), (122, 19258), (125, 19273), (131, 19309), (141, 19381), (143, 19396), (148, 19429), (150, 19435), (191, 19630), (197, 19660), (199, 19666), (216, 19756), (224, 19801), (234, 19870), (244, 19912), (249, 19930), (260, 19990), (261, 19993), (280, 20086), (313, 20227), (319, 20263), (373, 20578), (376, 20587), (396, 20722),

Gene: ChampagnePapi_28 Start: 20138, Stop: 21919, Start Num: 50
Candidate Starts for ChampagnePapi_28:
(Start: 41 @20114 has 10 MA's), (Start: 50 @20138 has 603 MA's), (Start: 54 @20144 has 3 MA's), (Start: 71 @20198 has 1 MA's), (76, 20213), (88, 20267), (92, 20285), (107, 20369), (109, 20381), (110, 20384), (122, 20459), (125, 20474), (132, 20513), (148, 20630), (165, 20717), (185, 20798), (195, 20846), (200, 20870), (216, 20957), (224, 21002), (235, 21074), (239, 21095), (244, 21113), (261, 21194), (277, 21269), (280, 21287), (282, 21296), (286, 21320), (288, 21326), (295, 21350), (312, 21392), (314, 21404), (318, 21425), (326, 21476), (330, 21500), (339, 21554), (356, 21650),

(374, 21755), (377, 21770), (393, 21878), (396, 21896),

Gene: Chanagan_26 Start: 20699, Stop: 22501, Start Num: 52
Candidate Starts for Chanagan_26:
(Start: 52 @20699 has 230 MA's), (Start: 61 @20720 has 6 MA's), (Start: 71 @20762 has 1 MA's), (85, 20807), (122, 21023), (129, 21068), (132, 21077), (138, 21116), (144, 21167), (145, 21170), (162, 21263), (187, 21365), (200, 21434), (234, 21635), (235, 21638), (239, 21659), (260, 21755), (261, 21758), (263, 21764), (277, 21833), (280, 21851), (282, 21860), (288, 21890), (314, 21986), (319, 22019), (322, 22034), (346, 22175), (356, 22232), (376, 22343),

Gene: Changeling_30 Start: 22020, Stop: 23792, Start Num: 50
Candidate Starts for Changeling_30:
(Start: 41 @21996 has 10 MA's), (Start: 50 @22020 has 603 MA's), (109, 22254), (110, 22257), (121, 22329), (122, 22332), (132, 22386), (138, 22425), (148, 22503), (165, 22590), (185, 22671), (187, 22674), (220, 22860), (234, 22944), (235, 22947), (244, 22986), (255, 23037), (257, 23052), (261, 23067), (288, 23199), (309, 23247), (318, 23298), (319, 23310), (322, 23325), (323, 23331), (333, 23385), (341, 23439), (356, 23523), (367, 23589), (370, 23601), (374, 23628), (376, 23634),

Gene: Chaph_27 Start: 19836, Stop: 21614, Start Num: 50
Candidate Starts for Chaph_27:
(Start: 41 @19812 has 10 MA's), (Start: 50 @19836 has 603 MA's), (Start: 71 @19893 has 1 MA's), (87, 19947), (88, 19962), (92, 19980), (107, 20064), (109, 20076), (110, 20079), (122, 20154), (125, 20169), (132, 20208), (148, 20325), (165, 20412), (185, 20493), (195, 20541), (200, 20565), (216, 20652), (224, 20697), (235, 20769), (239, 20790), (244, 20808), (261, 20889), (280, 20982), (282, 20991), (286, 21015), (288, 21021), (295, 21045), (314, 21099), (318, 21120), (326, 21171), (330, 21195), (339, 21249), (356, 21345), (374, 21450), (377, 21465), (393, 21573), (396, 21591),

Gene: Chargerpower_29 Start: 19510, Stop: 21282, Start Num: 50
Candidate Starts for Chargerpower_29:
(Start: 48 @19507 has 8 MA's), (Start: 50 @19510 has 603 MA's), (85, 19606), (97, 19666), (101, 19699), (110, 19747), (118, 19789), (121, 19819), (122, 19822), (132, 19876), (133, 19882), (148, 19993), (159, 20038), (161, 20047), (165, 20080), (187, 20164), (197, 20224), (230, 20413), (244, 20476), (286, 20683), (309, 20737), (314, 20767), (315, 20776), (322, 20815), (326, 20839), (338, 20914), (339, 20917), (341, 20929), (374, 21118), (376, 21124), (382, 21169), (396, 21259),

Gene: Charm_28 Start: 19700, Stop: 21490, Start Num: 50
Candidate Starts for Charm_28:
(32, 19634), (Start: 41 @19676 has 10 MA's), (Start: 50 @19700 has 603 MA's), (109, 19934), (110, 19937), (121, 20009), (122, 20012), (126, 20030), (132, 20066), (133, 20072), (139, 20123), (143, 20150), (144, 20156), (148, 20183), (150, 20189), (165, 20270), (185, 20351), (187, 20354), (197, 20414), (230, 20603), (244, 20666), (255, 20717), (261, 20747), (286, 20873), (314, 20975), (315, 20984), (319, 21008), (322, 21023), (326, 21047), (338, 21122), (341, 21137), (356, 21221), (374, 21326), (376, 21332), (383, 21386), (389, 21434),

Gene: Charming_35 Start: 30317, Stop: 32080, Start Num: 34
Candidate Starts for Charming_35:
(31, 30299), (Start: 34 @30317 has 86 MA's), (Start: 39 @30353 has 5 MA's), (86, 30491), (102, 30587), (105, 30596), (114, 30665), (122, 30716), (129, 30761), (133, 30776), (144, 30857), (154, 30902), (156, 30911), (175, 31001), (176, 31004), (181, 31031), (185, 31046), (189, 31070), (194, 31100), (244, 31322), (248, 31340), (252, 31355), (257, 31385), (260, 31397), (261, 31400), (267, 31427), (345, 31748), (346, 31751), (347, 31754), (355, 31802), (361, 31829), (365, 31856), (374, 31910), (379, 31934), (380, 31937), (400, 32075),

Gene: Chartreuse_31 Start: 19923, Stop: 21695, Start Num: 50
Candidate Starts for Chartreuse_31:
(32, 19857), (Start: 41 @19899 has 10 MA's), (Start: 50 @19923 has 603 MA's), (103, 20121), (110, 20160), (121, 20232), (122, 20235), (126, 20253), (132, 20289), (133, 20295), (148, 20406), (150, 20412), (159, 20451), (165, 20493), (176, 20532), (185, 20574), (187, 20577), (197, 20637), (240, 20874), (244, 20889), (261, 20970), (288, 21102), (322, 21228), (331, 21279), (333, 21288), (338, 21327), (339, 21330), (341, 21342), (356, 21426), (374, 21531), (376, 21537), (396, 21672),

Gene: Che12_30 Start: 19088, Stop: 20878, Start Num: 50
Candidate Starts for Che12_30:
(Start: 41 @19064 has 10 MA's), (Start: 50 @19088 has 603 MA's), (96, 19241), (109, 19322), (110, 19325), (122, 19400), (125, 19415), (132, 19454), (133, 19460), (148, 19571), (150, 19577), (157, 19604), (165, 19658), (185, 19739), (187, 19742), (216, 19898), (220, 19928), (244, 20054), (255, 20105), (257, 20120), (261, 20135), (286, 20261), (311, 20342), (312, 20351), (319, 20396), (322, 20411), (326, 20435), (338, 20510), (339, 20513), (341, 20525), (356, 20609), (374, 20714), (383, 20774), (396, 20855),

Gene: Che9d_19 Start: 13752, Stop: 15416, Start Num: 53
Candidate Starts for Che9d_19:
(Start: 53 @13752 has 7 MA's), (78, 13833), (87, 13863), (90, 13884), (92, 13896), (105, 13962), (111, 14001), (112, 14013), (116, 14037), (124, 14094), (125, 14097), (127, 14121), (129, 14127), (130, 14130), (138, 14175), (139, 14193), (145, 14229), (166, 14340), (176, 14376), (181, 14403), (184, 14415), (185, 14418), (186, 14427), (191, 14460), (194, 14472), (199, 14496), (256, 14742), (261, 14769), (264, 14781), (278, 14832), (280, 14847), (294, 14901), (310, 14928), (346, 15090), (347, 15093), (348, 15096), (367, 15213), (376, 15255), (386, 15339), (395, 15384), (398, 15402),

Gene: CheeseTouch_20 Start: 16421, Stop: 18118, Start Num: 49
Candidate Starts for CheeseTouch_20:
(37, 16382), (Start: 49 @16421 has 37 MA's), (Start: 55 @16433 has 1 MA's), (79, 16511), (86, 16532), (94, 16580), (97, 16589), (103, 16631), (109, 16667), (118, 16724), (125, 16772), (128, 16799), (162, 16997), (165, 17015), (169, 17024), (171, 17030), (181, 17078), (188, 17108), (193, 17144), (199, 17171), (200, 17174), (208, 17225), (222, 17255), (226, 17282), (229, 17309), (246, 17381), (254, 17420), (268, 17474), (276, 17516), (293, 17591), (315, 17654), (320, 17681), (321, 17684), (323, 17699), (343, 17783), (345, 17792), (346, 17795), (348, 17801), (351, 17813), (352, 17816), (355, 17846), (356, 17852), (361, 17873), (362, 17876), (370, 17930), (376, 17960), (377, 17969), (384, 18020), (387, 18053), (390, 18065), (394, 18083),

Gene: CherryCola_34 Start: 26795, Stop: 28561, Start Num: 34
Candidate Starts for CherryCola_34:
(28, 26753), (Start: 34 @26795 has 86 MA's), (Start: 39 @26831 has 5 MA's), (Start: 53 @26864 has 7 MA's), (104, 27074), (105, 27077), (109, 27107), (119, 27173), (122, 27197), (123, 27206), (128, 27239), (156, 27392), (162, 27431), (175, 27482), (177, 27494), (181, 27512), (184, 27524), (186, 27536), (189, 27551), (194, 27581), (195, 27584), (199, 27605), (221, 27677), (244, 27803), (252, 27836), (258, 27869), (267, 27908), (268, 27911), (282, 27983), (300, 28049), (308, 28061), (346, 28232), (350, 28244), (351, 28250), (355, 28283), (361, 28310), (365, 28337), (374, 28391), (390, 28508), (395, 28529), (400, 28556),

Gene: ChipMunk_30 Start: 20600, Stop: 22372, Start Num: 50
Candidate Starts for ChipMunk_30:
(Start: 41 @20576 has 10 MA's), (Start: 50 @20600 has 603 MA's), (86, 20699), (100, 20783), (109, 20834), (110, 20837), (121, 20909), (122, 20912), (132, 20966), (138, 21005), (148, 21083), (165, 21170), (185, 21251), (187, 21254), (235, 21527), (257, 21632), (261, 21647), (286, 21773), (288, 21779), (309, 21827), (311, 21836), (314, 21857), (319, 21890), (322, 21905), (323, 21911), (333,

21965), (338, 22004), (341, 22019), (356, 22103), (376, 22214),

Gene: Chipko_19 Start: 17518, Stop: 19212, Start Num: 51
Candidate Starts for Chipko_19:
(37, 17476), (Start: 39 @17488 has 5 MA's), (Start: 51 @17518 has 6 MA's), (86, 17620), (94, 17671), (105, 17728), (112, 17779), (123, 17857), (125, 17863), (147, 18013), (175, 18136), (188, 18196), (193, 18232), (202, 18274), (218, 18316), (226, 18370), (280, 18631), (300, 18706), (315, 18748), (323, 18793), (346, 18889), (347, 18892), (351, 18907), (378, 19066), (379, 19072), (390, 19159), (399, 19204),

Gene: Chiqui_26 Start: 20176, Stop: 21975, Start Num: 50
Candidate Starts for Chiqui_26:
(Start: 50 @20176 has 603 MA's), (Start: 71 @20236 has 1 MA's), (88, 20305), (107, 20407), (109, 20419), (110, 20422), (122, 20497), (125, 20512), (126, 20515), (132, 20551), (154, 20686), (165, 20755), (191, 20869), (216, 20995), (234, 21109), (235, 21112), (239, 21133), (244, 21151), (261, 21232), (277, 21307), (280, 21325), (282, 21334), (286, 21358), (288, 21364), (291, 21379), (304, 21412), (313, 21457), (314, 21460), (318, 21481), (319, 21493), (356, 21706), (362, 21730), (374, 21811), (376, 21817), (391, 21928), (396, 21952),

Gene: ChristmasHams_28 Start: 21200, Stop: 22939, Start Num: 71
Candidate Starts for ChristmasHams_28:
(Start: 52 @21137 has 230 MA's), (Start: 61 @21158 has 6 MA's), (Start: 71 @21200 has 1 MA's), (85, 21245), (122, 21461), (129, 21506), (132, 21515), (144, 21605), (145, 21608), (162, 21701), (187, 21803), (200, 21872), (234, 22073), (235, 22076), (239, 22097), (260, 22193), (261, 22196), (263, 22202), (277, 22271), (280, 22289), (282, 22298), (288, 22328), (314, 22424), (319, 22457), (322, 22472), (346, 22613), (356, 22670), (376, 22781),

Gene: Chupacabra_27 Start: 19785, Stop: 21563, Start Num: 50
Candidate Starts for Chupacabra_27:
(Start: 41 @19761 has 10 MA's), (Start: 50 @19785 has 603 MA's), (Start: 71 @19842 has 1 MA's), (76, 19857), (88, 19911), (107, 20013), (109, 20025), (110, 20028), (122, 20103), (125, 20118), (132, 20157), (148, 20274), (154, 20292), (165, 20361), (183, 20436), (191, 20475), (200, 20514), (216, 20601), (220, 20631), (224, 20646), (230, 20694), (239, 20739), (242, 20751), (244, 20757), (260, 20835), (261, 20838), (280, 20931), (282, 20940), (286, 20964), (288, 20970), (291, 20985), (309, 21018), (318, 21069), (321, 21087), (327, 21126), (328, 21132), (346, 21237), (356, 21294), (362, 21318), (363, 21324), (374, 21399), (376, 21405), (377, 21414), (396, 21540),

Gene: Ciao_27 Start: 21042, Stop: 22844, Start Num: 52
Candidate Starts for Ciao_27:
(Start: 52 @21042 has 230 MA's), (Start: 61 @21063 has 6 MA's), (Start: 71 @21105 has 1 MA's), (85, 21150), (122, 21366), (129, 21411), (132, 21420), (138, 21459), (144, 21510), (145, 21513), (187, 21708), (200, 21777), (234, 21978), (235, 21981), (239, 22002), (260, 22098), (261, 22101), (263, 22107), (277, 22176), (280, 22194), (282, 22203), (288, 22233), (314, 22329), (319, 22362), (322, 22377), (346, 22518), (356, 22575), (376, 22686),

Gene: Cici_27 Start: 19820, Stop: 21619, Start Num: 50
Candidate Starts for Cici_27:
(Start: 41 @19796 has 10 MA's), (Start: 50 @19820 has 603 MA's), (Start: 54 @19826 has 3 MA's), (Start: 71 @19880 has 1 MA's), (88, 19949), (103, 20027), (107, 20051), (110, 20066), (117, 20102), (122, 20141), (125, 20156), (132, 20195), (145, 20288), (148, 20312), (165, 20399), (191, 20513), (200, 20552), (216, 20639), (224, 20684), (234, 20753), (239, 20777), (242, 20789), (261, 20876), (277, 20951), (280, 20969), (282, 20978), (286, 21002), (288, 21008), (291, 21023), (304, 21056), (313, 21101), (314, 21104), (318, 21125), (356, 21350), (370, 21428), (374, 21455), (376, 21461),

(396, 21596),

Gene: Cindaradix_26 Start: 19557, Stop: 21350, Start Num: 54
Candidate Starts for Cindaradix_26:
(Start: 41 @19527 has 10 MA's), (Start: 50 @19551 has 603 MA's), (Start: 54 @19557 has 3 MA's), (Start: 71 @19611 has 1 MA's), (88, 19680), (103, 19758), (107, 19782), (110, 19797), (117, 19833), (122, 19872), (125, 19887), (132, 19926), (145, 20019), (148, 20043), (165, 20130), (191, 20244), (200, 20283), (216, 20370), (224, 20415), (234, 20484), (239, 20508), (242, 20520), (261, 20607), (277, 20682), (280, 20700), (282, 20709), (286, 20733), (288, 20739), (291, 20754), (304, 20787), (313, 20832), (314, 20835), (318, 20856), (356, 21081), (374, 21186), (376, 21192), (396, 21327),

Gene: Cintron_27 Start: 19875, Stop: 21653, Start Num: 50
Candidate Starts for Cintron_27:
(Start: 41 @19851 has 10 MA's), (Start: 50 @19875 has 603 MA's), (Start: 71 @19932 has 1 MA's), (87, 19986), (88, 20001), (92, 20019), (107, 20103), (109, 20115), (110, 20118), (122, 20193), (125, 20208), (132, 20247), (148, 20364), (165, 20451), (185, 20532), (195, 20580), (200, 20604), (216, 20691), (224, 20736), (235, 20808), (239, 20829), (244, 20847), (261, 20928), (280, 21021), (282, 21030), (286, 21054), (288, 21060), (295, 21084), (314, 21138), (318, 21159), (326, 21210), (330, 21234), (339, 21288), (356, 21384), (374, 21489), (377, 21504), (393, 21612), (396, 21630),

Gene: Citius_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Citius_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: ClamChowder_33 Start: 26575, Stop: 28341, Start Num: 34
Candidate Starts for ClamChowder_33:
(28, 26533), (Start: 34 @26575 has 86 MA's), (Start: 39 @26611 has 5 MA's), (Start: 53 @26644 has 7 MA's), (104, 26854), (105, 26857), (109, 26887), (119, 26953), (122, 26977), (123, 26986), (128, 27019), (156, 27172), (162, 27211), (175, 27262), (177, 27274), (181, 27292), (184, 27304), (186, 27316), (189, 27331), (194, 27361), (195, 27364), (199, 27385), (221, 27457), (227, 27505), (252, 27616), (258, 27649), (268, 27691), (282, 27763), (300, 27829), (308, 27841), (346, 28012), (347, 28015), (355, 28063), (361, 28090), (365, 28117), (374, 28171), (390, 28288), (395, 28309), (400, 28336),

Gene: Clammy_28 Start: 19904, Stop: 21700, Start Num: 50
Candidate Starts for Clammy_28:
(Start: 50 @19904 has 603 MA's), (Start: 71 @19961 has 1 MA's), (88, 20030), (107, 20132), (109, 20144), (110, 20147), (122, 20222), (125, 20237), (132, 20276), (154, 20411), (165, 20480), (191, 20594), (216, 20720), (234, 20834), (239, 20858), (244, 20876), (261, 20957), (277, 21032), (280, 21050), (282, 21059), (286, 21083), (288, 21089), (291, 21104), (304, 21137), (313, 21182), (314, 21185), (318, 21206), (319, 21218), (321, 21224), (330, 21281), (356, 21431), (362, 21455), (374, 21536), (376, 21542), (396, 21677),

Gene: Clarenza_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Clarenza_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216,

20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: CloudWang3_31 Start: 19949, Stop: 21745, Start Num: 41
Candidate Starts for CloudWang3_31:
(32, 19907), (Start: 41 @19949 has 10 MA's), (Start: 50 @19973 has 603 MA's), (110, 20210), (121, 20282), (122, 20285), (125, 20300), (132, 20339), (133, 20345), (148, 20456), (150, 20462), (159, 20501), (165, 20543), (176, 20582), (185, 20624), (187, 20627), (216, 20783), (240, 20924), (244, 20939), (288, 21152), (318, 21251), (322, 21278), (331, 21329), (333, 21338), (338, 21377), (341, 21392), (356, 21476), (374, 21581), (376, 21587), (396, 21722),

Gene: Clown_35 Start: 28603, Stop: 30369, Start Num: 34
Candidate Starts for Clown_35:
(27, 28540), (Start: 34 @28603 has 86 MA's), (Start: 53 @28672 has 7 MA's), (104, 28882), (105, 28885), (106, 28888), (109, 28915), (119, 28981), (122, 29005), (123, 29014), (146, 29152), (153, 29188), (181, 29320), (184, 29332), (186, 29344), (189, 29359), (194, 29389), (199, 29413), (203, 29431), (221, 29485), (227, 29533), (228, 29536), (239, 29593), (244, 29611), (252, 29644), (258, 29677), (260, 29686), (262, 29692), (282, 29791), (300, 29857), (346, 30040), (347, 30043), (350, 30052), (355, 30091), (361, 30118), (365, 30145), (366, 30151), (374, 30199), (376, 30205), (380, 30226), (390, 30316), (395, 30337),

Gene: ClownCar_29 Start: 20452, Stop: 22248, Start Num: 50
Candidate Starts for ClownCar_29:
(Start: 50 @20452 has 603 MA's), (Start: 71 @20509 has 1 MA's), (76, 20524), (88, 20578), (91, 20593), (107, 20680), (109, 20692), (110, 20695), (122, 20770), (125, 20785), (165, 21028), (200, 21181), (216, 21268), (230, 21361), (234, 21382), (239, 21406), (242, 21418), (244, 21424), (261, 21505), (277, 21580), (280, 21598), (282, 21607), (286, 21631), (288, 21637), (291, 21652), (299, 21676), (313, 21730), (314, 21733), (318, 21754), (374, 22084), (376, 22090), (396, 22225),

Gene: Cocoaberry_27 Start: 19831, Stop: 21609, Start Num: 50
Candidate Starts for Cocoaberry_27:
(Start: 41 @19807 has 10 MA's), (Start: 50 @19831 has 603 MA's), (Start: 71 @19888 has 1 MA's), (87, 19942), (88, 19957), (92, 19975), (107, 20059), (109, 20071), (110, 20074), (122, 20149), (125, 20164), (132, 20203), (148, 20320), (165, 20407), (185, 20488), (195, 20536), (200, 20560), (216, 20647), (224, 20692), (235, 20764), (239, 20785), (244, 20803), (261, 20884), (280, 20977), (282, 20986), (286, 21010), (288, 21016), (295, 21040), (314, 21094), (318, 21115), (326, 21166), (330, 21190), (339, 21244), (356, 21340), (374, 21445), (377, 21460), (393, 21568), (396, 21586),

Gene: CogOmlette_26 Start: 19606, Stop: 21396, Start Num: 50
Candidate Starts for CogOmlette_26:
(32, 19540), (42, 19591), (Start: 50 @19606 has 603 MA's), (85, 19702), (86, 19705), (104, 19807), (109, 19840), (110, 19843), (121, 19915), (122, 19918), (132, 19972), (133, 19978), (144, 20062), (148, 20089), (150, 20095), (152, 20101), (165, 20176), (185, 20257), (187, 20260), (197, 20320), (220, 20446), (230, 20509), (235, 20533), (242, 20566), (244, 20572), (261, 20653), (299, 20824), (314, 20881), (319, 20914), (322, 20929), (326, 20953), (333, 20989), (338, 21028), (341, 21043), (356, 21127), (367, 21193), (374, 21232), (376, 21238), (382, 21283),

Gene: Colbster_29 Start: 20379, Stop: 22175, Start Num: 50
Candidate Starts for Colbster_29:
(Start: 50 @20379 has 603 MA's), (Start: 71 @20436 has 1 MA's), (76, 20451), (86, 20484), (88, 20505), (91, 20520), (107, 20607), (109, 20619), (110, 20622), (122, 20697), (125, 20712), (131, 20748), (165, 20955), (191, 21069), (200, 21108), (216, 21195), (234, 21309), (239, 21333), (244,

21351), (261, 21432), (277, 21507), (280, 21525), (286, 21558), (288, 21564), (299, 21603), (313, 21657), (314, 21660), (318, 21681), (327, 21738), (356, 21906), (374, 22011), (376, 22017), (396, 22152),

Gene: Colin_31 Start: 21895, Stop: 23667, Start Num: 50
Candidate Starts for Colin_31:
(Start: 41 @21871 has 10 MA's), (Start: 50 @21895 has 603 MA's), (109, 22129), (110, 22132), (121, 22204), (122, 22207), (132, 22261), (133, 22267), (138, 22300), (148, 22378), (165, 22465), (185, 22546), (187, 22549), (191, 22579), (235, 22822), (244, 22861), (255, 22912), (257, 22927), (261, 22942), (288, 23074), (309, 23122), (314, 23152), (316, 23164), (322, 23200), (323, 23206), (333, 23260), (341, 23314), (356, 23398), (367, 23464), (374, 23503), (376, 23509),

Gene: Colleen_19 Start: 17425, Stop: 19089, Start Num: 52
Candidate Starts for Colleen_19:
(Start: 52 @17425 has 230 MA's), (Start: 64 @17458 has 32 MA's), (118, 17716), (129, 17794), (147, 17917), (150, 17926), (151, 17929), (154, 17938), (156, 17947), (187, 18088), (189, 18100), (199, 18154), (229, 18289), (238, 18322), (241, 18340), (244, 18352), (249, 18367), (260, 18427), (266, 18448), (267, 18457), (280, 18523), (286, 18556), (309, 18586), (310, 18592), (311, 18595), (322, 18664), (345, 18763), (348, 18772), (375, 18928), (377, 18940),

Gene: Colossa_20 Start: 16438, Stop: 18099, Start Num: 56
Candidate Starts for Colossa_20:
(23, 16267), (25, 16288), (Start: 48 @16423 has 8 MA's), (Start: 56 @16438 has 7 MA's), (58, 16444), (65, 16474), (68, 16483), (81, 16525), (113, 16708), (122, 16753), (125, 16768), (143, 16888), (165, 17008), (171, 17023), (175, 17041), (198, 17152), (231, 17296), (232, 17299), (234, 17308), (255, 17401), (261, 17431), (276, 17506), (277, 17509), (310, 17596), (313, 17617), (314, 17620), (320, 17656), (338, 17728), (345, 17767), (346, 17770), (357, 17836), (365, 17878), (374, 17932), (392, 18055), (394, 18064), (400, 18094),

Gene: Commander_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Commander_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: ConceptII_29 Start: 22056, Stop: 23858, Start Num: 52
Candidate Starts for ConceptII_29:
(Start: 52 @22056 has 230 MA's), (Start: 61 @22077 has 6 MA's), (Start: 71 @22119 has 1 MA's), (85, 22164), (122, 22380), (129, 22425), (132, 22434), (138, 22473), (144, 22524), (145, 22527), (162, 22620), (187, 22722), (200, 22791), (234, 22992), (235, 22995), (239, 23016), (260, 23112), (261, 23115), (263, 23121), (277, 23190), (280, 23208), (282, 23217), (288, 23247), (314, 23343), (319, 23376), (322, 23391), (346, 23532), (356, 23589), (376, 23700),

Gene: Connomayer_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Connomayer_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330,

21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Conquerage_30 Start: 21779, Stop: 23569, Start Num: 50
Candidate Starts for Conquerage_30:
(Start: 48 @21776 has 8 MA's), (Start: 50 @21779 has 603 MA's), (109, 22013), (110, 22016), (121, 22088), (122, 22091), (125, 22106), (132, 22145), (133, 22151), (148, 22262), (165, 22349), (185, 22430), (187, 22433), (197, 22493), (220, 22619), (230, 22682), (235, 22706), (237, 22712), (244, 22745), (261, 22826), (286, 22952), (298, 22994), (314, 23054), (319, 23087), (322, 23102), (338, 23201), (339, 23204), (341, 23216), (356, 23300), (367, 23366), (374, 23405), (376, 23411), (382, 23456), (389, 23513), (390, 23516),

Gene: Conspiracy_24 Start: 19564, Stop: 21363, Start Num: 50
Candidate Starts for Conspiracy_24:
(Start: 50 @19564 has 603 MA's), (92, 19702), (110, 19801), (122, 19876), (131, 19927), (141, 19999), (143, 20014), (148, 20047), (150, 20053), (169, 20146), (191, 20248), (197, 20278), (199, 20284), (216, 20374), (220, 20404), (231, 20476), (234, 20488), (235, 20491), (244, 20530), (249, 20548), (260, 20608), (261, 20611), (273, 20662), (280, 20704), (313, 20845), (321, 20887), (376, 21205), (396, 21340),

Gene: Coog_24 Start: 19707, Stop: 21503, Start Num: 50
Candidate Starts for Coog_24:
(Start: 43 @19695 has 2 MA's), (Start: 50 @19707 has 603 MA's), (87, 19812), (92, 19845), (110, 19944), (122, 20019), (125, 20034), (131, 20070), (141, 20142), (143, 20157), (150, 20196), (197, 20421), (199, 20427), (224, 20562), (231, 20619), (232, 20622), (234, 20631), (244, 20673), (249, 20691), (260, 20751), (261, 20754), (280, 20847), (282, 20856), (286, 20880), (313, 20988), (319, 21024), (356, 21234), (373, 21336), (376, 21345), (396, 21480), (398, 21489),

Gene: Cookiedough_31 Start: 19969, Stop: 21741, Start Num: 50
Candidate Starts for Cookiedough_31:
(32, 19903), (Start: 41 @19945 has 10 MA's), (Start: 50 @19969 has 603 MA's), (103, 20167), (110, 20206), (121, 20278), (122, 20281), (126, 20299), (132, 20335), (133, 20341), (148, 20452), (150, 20458), (159, 20497), (165, 20539), (176, 20578), (185, 20620), (187, 20623), (197, 20683), (240, 20920), (244, 20935), (261, 21016), (288, 21148), (322, 21274), (331, 21325), (333, 21334), (338, 21373), (339, 21376), (341, 21388), (356, 21472), (374, 21577), (376, 21583), (396, 21718),

Gene: Coriander_19 Start: 17505, Stop: 19199, Start Num: 51
Candidate Starts for Coriander_19:
(8, 17034), (18, 17184), (37, 17463), (Start: 39 @17475 has 5 MA's), (Start: 51 @17505 has 6 MA's), (86, 17607), (90, 17634), (92, 17646), (94, 17658), (105, 17715), (112, 17766), (115, 17787), (123, 17844), (125, 17850), (147, 18000), (175, 18123), (188, 18183), (193, 18219), (218, 18303), (226, 18357), (280, 18618), (299, 18690), (300, 18693), (315, 18735), (323, 18780), (346, 18876), (347, 18879), (351, 18894), (378, 19053), (379, 19059), (390, 19146), (399, 19191),

Gene: Corvo_28 Start: 22053, Stop: 23855, Start Num: 52
Candidate Starts for Corvo_28:
(Start: 52 @22053 has 230 MA's), (Start: 61 @22074 has 6 MA's), (Start: 71 @22116 has 1 MA's), (85, 22161), (122, 22377), (129, 22422), (132, 22431), (144, 22521), (145, 22524), (162, 22617), (187, 22719), (200, 22788), (231, 22977), (234, 22989), (235, 22992), (239, 23013), (260, 23109), (261, 23112), (263, 23118), (277, 23187), (280, 23205), (282, 23214), (288, 23244), (314, 23340), (319, 23373), (322, 23388), (346, 23529), (356, 23586), (376, 23697),

Gene: CosmicSans_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for CosmicSans_23:

(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: CoveyB_33 Start: 26375, Stop: 28141, Start Num: 34
Candidate Starts for CoveyB_33:
(28, 26333), (Start: 34 @26375 has 86 MA's), (Start: 39 @26411 has 5 MA's), (Start: 53 @26444 has 7 MA's), (104, 26654), (105, 26657), (109, 26687), (119, 26753), (122, 26777), (123, 26786), (128, 26819), (156, 26972), (162, 27011), (175, 27062), (177, 27074), (181, 27092), (184, 27104), (186, 27116), (189, 27131), (194, 27161), (195, 27164), (199, 27185), (221, 27257), (227, 27305), (252, 27416), (258, 27449), (267, 27488), (268, 27491), (282, 27563), (300, 27629), (308, 27641), (346, 27812), (350, 27824), (351, 27830), (355, 27863), (361, 27890), (365, 27917), (374, 27971), (390, 28088), (395, 28109), (400, 28136),

Gene: Crater_18 Start: 15970, Stop: 17667, Start Num: 49
Candidate Starts for Crater_18:
(37, 15931), (Start: 49 @15970 has 37 MA's), (Start: 55 @15982 has 1 MA's), (57, 15985), (67, 16021), (79, 16060), (86, 16081), (93, 16123), (94, 16129), (95, 16132), (99, 16144), (103, 16180), (109, 16216), (118, 16273), (125, 16321), (128, 16348), (144, 16450), (152, 16489), (162, 16546), (165, 16564), (169, 16573), (171, 16579), (181, 16627), (188, 16657), (193, 16693), (195, 16699), (199, 16720), (200, 16723), (208, 16774), (221, 16801), (222, 16804), (226, 16831), (229, 16858), (246, 16930), (254, 16969), (268, 17023), (282, 17095), (293, 17140), (320, 17230), (323, 17248), (343, 17332), (345, 17341), (346, 17344), (348, 17350), (352, 17365), (355, 17395), (356, 17401), (361, 17422), (362, 17425), (370, 17479), (376, 17509), (377, 17518), (384, 17569), (387, 17602), (390, 17614), (394, 17632),

Gene: Crispicous1_26 Start: 20570, Stop: 22372, Start Num: 52
Candidate Starts for Crispicous1_26:
(Start: 52 @20570 has 230 MA's), (Start: 61 @20591 has 6 MA's), (Start: 71 @20633 has 1 MA's), (85, 20678), (122, 20894), (129, 20939), (132, 20948), (138, 20987), (144, 21038), (150, 21071), (187, 21236), (200, 21305), (234, 21506), (235, 21509), (239, 21530), (260, 21626), (261, 21629), (263, 21635), (277, 21704), (280, 21722), (282, 21731), (288, 21761), (314, 21857), (319, 21890), (322, 21905), (346, 22046), (356, 22103), (376, 22214),

Gene: Croquant_30 Start: 20377, Stop: 22173, Start Num: 50
Candidate Starts for Croquant_30:
(Start: 50 @20377 has 603 MA's), (Start: 71 @20434 has 1 MA's), (76, 20449), (86, 20482), (88, 20503), (91, 20518), (107, 20605), (109, 20617), (110, 20620), (122, 20695), (125, 20710), (131, 20746), (165, 20953), (191, 21067), (200, 21106), (216, 21193), (234, 21307), (239, 21331), (244, 21349), (261, 21430), (277, 21505), (280, 21523), (286, 21556), (288, 21562), (299, 21601), (313, 21655), (314, 21658), (318, 21679), (327, 21736), (356, 21904), (374, 22009), (376, 22015), (396, 22150),

Gene: Crucio_28 Start: 20118, Stop: 21890, Start Num: 50
Candidate Starts for Crucio_28:
(32, 20052), (Start: 41 @20094 has 10 MA's), (Start: 50 @20118 has 603 MA's), (86, 20217), (100, 20301), (109, 20352), (110, 20355), (121, 20427), (122, 20430), (132, 20484), (138, 20523), (143, 20568), (148, 20601), (165, 20688), (185, 20769), (187, 20772), (235, 21045), (261, 21165), (309, 21345), (319, 21408), (322, 21423), (323, 21429), (333, 21483), (338, 21522), (341, 21537), (356, 21621), (376, 21732), (396, 21867),

Gene: Cuco_24 Start: 19657, Stop: 21453, Start Num: 50
Candidate Starts for Cuco_24:
(Start: 50 @19657 has 603 MA's), (87, 19762), (92, 19795), (110, 19894), (122, 19969), (125, 19984), (131, 20020), (141, 20092), (143, 20107), (150, 20146), (157, 20173), (161, 20194), (167, 20233), (197, 20371), (199, 20377), (224, 20512), (231, 20569), (232, 20572), (234, 20581), (244, 20623), (249, 20641), (260, 20701), (261, 20704), (280, 20797), (282, 20806), (286, 20830), (313, 20938), (319, 20974), (356, 21184), (373, 21286), (376, 21295), (396, 21430), (398, 21439),

Gene: Cueylyss_27 Start: 21272, Stop: 23074, Start Num: 52
Candidate Starts for Cueylyss_27:
(Start: 52 @21272 has 230 MA's), (Start: 61 @21293 has 6 MA's), (Start: 71 @21335 has 1 MA's), (85, 21380), (122, 21596), (129, 21641), (132, 21650), (144, 21740), (145, 21743), (162, 21836), (187, 21938), (200, 22007), (231, 22196), (234, 22208), (235, 22211), (239, 22232), (260, 22328), (261, 22331), (263, 22337), (277, 22406), (280, 22424), (282, 22433), (288, 22463), (314, 22559), (319, 22592), (322, 22607), (346, 22748), (356, 22805), (370, 22883),

Gene: Cullens_29 Start: 20378, Stop: 22174, Start Num: 50
Candidate Starts for Cullens_29:
(Start: 50 @20378 has 603 MA's), (Start: 71 @20435 has 1 MA's), (76, 20450), (86, 20483), (88, 20504), (91, 20519), (107, 20606), (109, 20618), (110, 20621), (122, 20696), (125, 20711), (131, 20747), (165, 20954), (191, 21068), (200, 21107), (216, 21194), (234, 21308), (239, 21332), (244, 21350), (261, 21431), (277, 21506), (280, 21524), (286, 21557), (288, 21563), (299, 21602), (313, 21656), (314, 21659), (318, 21680), (327, 21737), (356, 21905), (374, 22010), (376, 22016), (396, 22151),

Gene: D29_28 Start: 20049, Stop: 21839, Start Num: 50
Candidate Starts for D29_28:
(32, 19983), (Start: 41 @20025 has 10 MA's), (Start: 50 @20049 has 603 MA's), (109, 20283), (110, 20286), (121, 20358), (122, 20361), (125, 20376), (132, 20415), (133, 20421), (148, 20532), (154, 20550), (165, 20619), (185, 20700), (187, 20703), (216, 20859), (220, 20889), (261, 21096), (286, 21222), (301, 21273), (314, 21324), (319, 21357), (322, 21372), (326, 21396), (338, 21471), (339, 21474), (341, 21486), (356, 21570), (370, 21648), (374, 21675), (376, 21681), (382, 21726), (383, 21735), (396, 21816),

Gene: D32_31 Start: 20049, Stop: 21839, Start Num: 50
Candidate Starts for D32_31:
(32, 19983), (Start: 41 @20025 has 10 MA's), (Start: 50 @20049 has 603 MA's), (109, 20283), (110, 20286), (121, 20358), (122, 20361), (125, 20376), (132, 20415), (133, 20421), (148, 20532), (154, 20550), (165, 20619), (185, 20700), (187, 20703), (216, 20859), (220, 20889), (261, 21096), (286, 21222), (301, 21273), (314, 21324), (319, 21357), (322, 21372), (326, 21396), (338, 21471), (339, 21474), (341, 21486), (356, 21570), (370, 21648), (374, 21675), (376, 21681), (382, 21726), (383, 21735), (396, 21816),

Gene: DBQu4n_31 Start: 20049, Stop: 21839, Start Num: 50
Candidate Starts for DBQu4n_31:
(32, 19983), (Start: 41 @20025 has 10 MA's), (Start: 50 @20049 has 603 MA's), (96, 20202), (109, 20283), (110, 20286), (121, 20358), (122, 20361), (125, 20376), (132, 20415), (133, 20421), (148, 20532), (154, 20550), (156, 20559), (165, 20619), (185, 20700), (187, 20703), (216, 20859), (220, 20889), (261, 21096), (286, 21222), (314, 21324), (319, 21357), (322, 21372), (326, 21396), (338, 21471), (339, 21474), (341, 21486), (356, 21570), (370, 21648), (374, 21675), (376, 21681), (382, 21726), (383, 21735), (396, 21816),

Gene: DD5_28 Start: 21820, Stop: 23622, Start Num: 52

Candidate Starts for DD5_28:
(Start: 52 @21820 has 230 MA's), (Start: 61 @21841 has 6 MA's), (Start: 71 @21883 has 1 MA's), (85, 21928), (122, 22144), (129, 22189), (132, 22198), (144, 22288), (145, 22291), (187, 22486), (200, 22555), (210, 22615), (231, 22744), (234, 22756), (235, 22759), (239, 22780), (260, 22876), (261, 22879), (263, 22885), (277, 22954), (280, 22972), (282, 22981), (288, 23011), (314, 23107), (319, 23140), (322, 23155), (346, 23296), (356, 23353), (376, 23464),

Gene: DS6A_21 Start: 16975, Stop: 18714, Start Num: 38
Candidate Starts for DS6A_21:
(33, 16945), (36, 16957), (Start: 38 @16975 has 1 MA's), (59, 17029), (78, 17095), (80, 17101), (82, 17107), (86, 17119), (87, 17125), (90, 17146), (92, 17158), (102, 17215), (107, 17242), (111, 17263), (116, 17299), (118, 17311), (122, 17344), (125, 17359), (129, 17389), (133, 17404), (147, 17512), (152, 17527), (155, 17539), (156, 17542), (169, 17611), (175, 17635), (176, 17638), (186, 17689), (191, 17722), (199, 17758), (219, 17818), (221, 17836), (223, 17845), (224, 17848), (234, 17917), (251, 17989), (253, 18007), (258, 18037), (260, 18046), (280, 18142), (282, 18151), (323, 18289), (346, 18385), (347, 18388), (355, 18436), (356, 18442), (376, 18550), (384, 18613), (386, 18637), (395, 18682), (398, 18700), (399, 18706),

Gene: DaHudson_29 Start: 20371, Stop: 22167, Start Num: 50
Candidate Starts for DaHudson_29:
(Start: 50 @20371 has 603 MA's), (Start: 71 @20428 has 1 MA's), (76, 20443), (86, 20476), (88, 20497), (91, 20512), (107, 20599), (109, 20611), (110, 20614), (122, 20689), (125, 20704), (131, 20740), (165, 20947), (191, 21061), (200, 21100), (216, 21187), (234, 21301), (239, 21325), (244, 21343), (261, 21424), (277, 21499), (280, 21517), (286, 21550), (288, 21556), (299, 21595), (313, 21649), (314, 21652), (318, 21673), (327, 21730), (356, 21898), (374, 22003), (376, 22009), (396, 22144),

Gene: DaVinci_31 Start: 19977, Stop: 21749, Start Num: 50
Candidate Starts for DaVinci_31:
(32, 19911), (Start: 41 @19953 has 10 MA's), (Start: 50 @19977 has 603 MA's), (103, 20175), (110, 20214), (121, 20286), (122, 20289), (126, 20307), (132, 20343), (133, 20349), (148, 20460), (150, 20466), (159, 20505), (165, 20547), (176, 20586), (185, 20628), (187, 20631), (197, 20691), (240, 20928), (244, 20943), (261, 21024), (288, 21156), (322, 21282), (331, 21333), (333, 21342), (338, 21381), (339, 21384), (341, 21396), (356, 21480), (374, 21585), (376, 21591), (396, 21726),

Gene: Daishi_28 Start: 19304, Stop: 21100, Start Num: 50
Candidate Starts for Daishi_28:
(Start: 50 @19304 has 603 MA's), (Start: 71 @19361 has 1 MA's), (76, 19376), (86, 19409), (88, 19430), (91, 19445), (107, 19532), (109, 19544), (110, 19547), (122, 19622), (125, 19637), (131, 19673), (165, 19880), (191, 19994), (200, 20033), (216, 20120), (234, 20234), (239, 20258), (244, 20276), (261, 20357), (277, 20432), (280, 20450), (286, 20483), (288, 20489), (299, 20528), (313, 20582), (314, 20585), (318, 20606), (327, 20663), (356, 20831), (374, 20936), (376, 20942), (396, 21077),

Gene: Dalmatian_28 Start: 20265, Stop: 22037, Start Num: 50
Candidate Starts for Dalmatian_28:
(Start: 41 @20241 has 10 MA's), (Start: 50 @20265 has 603 MA's), (109, 20499), (110, 20502), (121, 20574), (122, 20577), (132, 20631), (138, 20670), (143, 20715), (148, 20748), (165, 20835), (185, 20916), (187, 20919), (235, 21192), (261, 21312), (286, 21438), (309, 21492), (319, 21555), (322, 21570), (323, 21576), (333, 21630), (338, 21669), (341, 21684), (356, 21768), (376, 21879),

Gene: Danforth_23 Start: 18634, Stop: 20424, Start Num: 50
Candidate Starts for Danforth_23:

(Start: 41 @18610 has 10 MA's), (Start: 50 @18634 has 603 MA's), (84, 18727), (92, 18772), (110, 18871), (117, 18907), (122, 18946), (125, 18961), (131, 18997), (148, 19117), (150, 19123), (176, 19243), (203, 19372), (216, 19444), (234, 19558), (280, 19774), (286, 19807), (314, 19909), (319, 19942), (322, 19957), (327, 19987), (373, 20257), (376, 20266), (377, 20275), (394, 20389),

Gene: Danyall_33 Start: 26375, Stop: 28141, Start Num: 34
Candidate Starts for Danyall_33:
(28, 26333), (Start: 34 @26375 has 86 MA's), (Start: 39 @26411 has 5 MA's), (Start: 53 @26444 has 7 MA's), (104, 26654), (105, 26657), (109, 26687), (119, 26753), (122, 26777), (123, 26786), (128, 26819), (156, 26972), (162, 27011), (175, 27062), (177, 27074), (181, 27092), (184, 27104), (186, 27116), (189, 27131), (194, 27161), (195, 27164), (199, 27185), (221, 27257), (227, 27305), (252, 27416), (258, 27449), (267, 27488), (268, 27491), (282, 27563), (300, 27629), (308, 27641), (346, 27812), (350, 27824), (351, 27830), (355, 27863), (361, 27890), (365, 27917), (374, 27971), (390, 28088), (395, 28109), (400, 28136),

Gene: Darrell_30 Start: 21743, Stop: 23533, Start Num: 50
Candidate Starts for Darrell_30:
(Start: 41 @21719 has 10 MA's), (Start: 50 @21743 has 603 MA's), (109, 21977), (110, 21980), (121, 22052), (122, 22055), (125, 22070), (132, 22109), (133, 22115), (135, 22133), (148, 22226), (157, 22259), (165, 22313), (185, 22394), (187, 22397), (209, 22523), (220, 22583), (230, 22646), (235, 22670), (237, 22676), (244, 22709), (286, 22916), (290, 22934), (298, 22958), (304, 22970), (314, 23018), (319, 23051), (322, 23066), (323, 23072), (338, 23165), (339, 23168), (341, 23180), (356, 23264), (367, 23330), (374, 23369), (376, 23375), (382, 23420), (389, 23477), (390, 23480),

Gene: DarthPhader_29 Start: 21735, Stop: 23507, Start Num: 50
Candidate Starts for DarthPhader_29:
(32, 21669), (Start: 41 @21711 has 10 MA's), (Start: 50 @21735 has 603 MA's), (96, 21888), (109, 21969), (110, 21972), (121, 22044), (122, 22047), (132, 22101), (133, 22107), (139, 22158), (148, 22218), (159, 22263), (165, 22305), (185, 22386), (244, 22701), (261, 22782), (265, 22797), (288, 22914), (319, 23025), (322, 23040), (326, 23064), (338, 23139), (341, 23154), (348, 23187), (356, 23238), (374, 23343), (396, 23484),

Gene: Datway_27 Start: 19835, Stop: 21634, Start Num: 50
Candidate Starts for Datway_27:
(Start: 41 @19811 has 10 MA's), (Start: 50 @19835 has 603 MA's), (Start: 54 @19841 has 3 MA's), (Start: 71 @19895 has 1 MA's), (88, 19964), (103, 20042), (107, 20066), (110, 20081), (117, 20117), (122, 20156), (125, 20171), (132, 20210), (145, 20303), (148, 20327), (165, 20414), (191, 20528), (200, 20567), (216, 20654), (224, 20699), (234, 20768), (239, 20792), (242, 20804), (261, 20891), (277, 20966), (280, 20984), (282, 20993), (286, 21017), (288, 21023), (291, 21038), (304, 21071), (313, 21116), (314, 21119), (318, 21140), (356, 21365), (370, 21443), (374, 21470), (376, 21476), (396, 21611),

Gene: Deano_27 Start: 19835, Stop: 21613, Start Num: 50
Candidate Starts for Deano_27:
(Start: 41 @19811 has 10 MA's), (Start: 50 @19835 has 603 MA's), (Start: 71 @19892 has 1 MA's), (87, 19946), (88, 19961), (92, 19979), (107, 20063), (109, 20075), (110, 20078), (122, 20153), (125, 20168), (132, 20207), (148, 20324), (165, 20411), (185, 20492), (195, 20540), (200, 20564), (216, 20651), (224, 20696), (235, 20768), (239, 20789), (244, 20807), (261, 20888), (280, 20981), (282, 20990), (286, 21014), (288, 21020), (295, 21044), (314, 21098), (318, 21119), (326, 21170), (330, 21194), (339, 21248), (356, 21344), (374, 21449), (377, 21464), (393, 21572), (396, 21590),

Gene: DeerParkTS_29 Start: 20246, Stop: 22018, Start Num: 50
Candidate Starts for DeerParkTS_29:

(Start: 41 @20222 has 10 MA's), (Start: 50 @20246 has 603 MA's), (91, 20381), (96, 20399), (100, 20429), (109, 20480), (110, 20483), (121, 20555), (122, 20558), (132, 20612), (148, 20729), (154, 20747), (157, 20762), (165, 20816), (180, 20876), (185, 20897), (187, 20900), (220, 21086), (235, 21173), (244, 21212), (261, 21293), (288, 21425), (309, 21473), (319, 21536), (322, 21551), (323, 21557), (333, 21611), (338, 21650), (341, 21665), (348, 21698), (356, 21749), (383, 21914),

Gene: DekHockey33_30 Start: 19191, Stop: 21002, Start Num: 41
Candidate Starts for DekHockey33_30:
(32, 19149), (Start: 41 @19191 has 10 MA's), (Start: 50 @19215 has 603 MA's), (92, 19353), (102, 19410), (110, 19452), (117, 19488), (122, 19527), (134, 19596), (138, 19620), (145, 19674), (176, 19824), (187, 19869), (191, 19899), (199, 19935), (207, 19986), (215, 20022), (224, 20070), (232, 20130), (260, 20259), (277, 20337), (322, 20538), (323, 20544), (339, 20640), (368, 20805), (384, 20904),

Gene: Deloris_29 Start: 20620, Stop: 22392, Start Num: 50
Candidate Starts for Deloris_29:
(Start: 41 @20596 has 10 MA's), (Start: 50 @20620 has 603 MA's), (86, 20719), (109, 20854), (110, 20857), (121, 20929), (122, 20932), (132, 20986), (133, 20992), (138, 21025), (143, 21070), (148, 21103), (165, 21190), (185, 21271), (187, 21274), (194, 21316), (220, 21460), (235, 21547), (257, 21652), (261, 21667), (286, 21793), (288, 21799), (309, 21847), (322, 21925), (323, 21931), (333, 21985), (338, 22024), (341, 22039), (356, 22123), (376, 22234),

Gene: DelvinSonDorr_30 Start: 19969, Stop: 21741, Start Num: 50
Candidate Starts for DelvinSonDorr_30:
(32, 19903), (Start: 41 @19945 has 10 MA's), (Start: 50 @19969 has 603 MA's), (92, 20107), (103, 20167), (110, 20206), (121, 20278), (122, 20281), (126, 20299), (132, 20335), (133, 20341), (148, 20452), (150, 20458), (159, 20497), (165, 20539), (176, 20578), (185, 20620), (187, 20623), (197, 20683), (240, 20920), (244, 20935), (261, 21016), (288, 21148), (322, 21274), (331, 21325), (333, 21334), (338, 21373), (339, 21376), (341, 21388), (356, 21472), (374, 21577), (376, 21583), (396, 21718),

Gene: Demsculpinboyz_19 Start: 13737, Stop: 15401, Start Num: 53
Candidate Starts for Demsculpinboyz_19:
(Start: 53 @13737 has 7 MA's), (78, 13818), (87, 13848), (90, 13869), (92, 13881), (105, 13947), (111, 13986), (112, 13998), (116, 14022), (124, 14079), (125, 14082), (127, 14106), (129, 14112), (130, 14115), (138, 14160), (139, 14178), (145, 14214), (155, 14262), (166, 14325), (176, 14361), (181, 14388), (184, 14400), (185, 14403), (191, 14445), (194, 14457), (199, 14481), (219, 14535), (234, 14634), (256, 14727), (261, 14754), (264, 14766), (278, 14817), (280, 14832), (346, 15075), (347, 15078), (348, 15081), (367, 15198), (376, 15240), (386, 15324), (395, 15369), (398, 15387),

Gene: Derg_30 Start: 29475, Stop: 31238, Start Num: 34
Candidate Starts for Derg_30:
(Start: 34 @29475 has 86 MA's), (Start: 39 @29511 has 5 MA's), (83, 29640), (86, 29649), (102, 29745), (105, 29754), (114, 29823), (122, 29874), (123, 29883), (129, 29919), (133, 29934), (135, 29952), (144, 30015), (154, 30060), (156, 30069), (181, 30189), (185, 30204), (189, 30228), (194, 30258), (244, 30480), (248, 30498), (252, 30513), (260, 30555), (261, 30558), (267, 30585), (294, 30705), (315, 30768), (346, 30909), (347, 30912), (355, 30960), (361, 30987), (365, 31014), (374, 31068), (380, 31095),

Gene: Dexes_28 Start: 21780, Stop: 23582, Start Num: 52
Candidate Starts for Dexes_28:
(Start: 52 @21780 has 230 MA's), (Start: 61 @21801 has 6 MA's), (Start: 71 @21843 has 1 MA's), (85, 21888), (122, 22104), (129, 22149), (132, 22158), (138, 22197), (144, 22248), (145, 22251), (187,

22446), (234, 22716), (235, 22719), (239, 22740), (260, 22836), (261, 22839), (263, 22845), (277, 22914), (280, 22932), (282, 22941), (288, 22971), (314, 23067), (319, 23100), (322, 23115), (346, 23256), (356, 23313), (376, 23424),

Gene: Dhanush_27 Start: 19830, Stop: 21608, Start Num: 50
Candidate Starts for Dhanush_27:
(Start: 41 @19806 has 10 MA's), (Start: 50 @19830 has 603 MA's), (Start: 71 @19887 has 1 MA's), (87, 19941), (88, 19956), (92, 19974), (107, 20058), (109, 20070), (110, 20073), (122, 20148), (125, 20163), (132, 20202), (148, 20319), (165, 20406), (185, 20487), (195, 20535), (200, 20559), (216, 20646), (224, 20691), (235, 20763), (239, 20784), (244, 20802), (261, 20883), (280, 20976), (282, 20985), (286, 21009), (288, 21015), (295, 21039), (314, 21093), (318, 21114), (326, 21165), (330, 21189), (339, 21243), (356, 21339), (374, 21444), (377, 21459), (393, 21567), (396, 21585),

Gene: Dieselweasel_29 Start: 20380, Stop: 22176, Start Num: 50
Candidate Starts for Dieselweasel_29:
(Start: 50 @20380 has 603 MA's), (Start: 71 @20437 has 1 MA's), (76, 20452), (86, 20485), (88, 20506), (91, 20521), (107, 20608), (109, 20620), (110, 20623), (122, 20698), (125, 20713), (131, 20749), (165, 20956), (191, 21070), (200, 21109), (216, 21196), (234, 21310), (239, 21334), (244, 21352), (253, 21391), (261, 21433), (277, 21508), (280, 21526), (286, 21559), (288, 21565), (299, 21604), (313, 21658), (314, 21661), (318, 21682), (327, 21739), (356, 21907), (374, 22012), (376, 22018), (396, 22153),

Gene: Dignity_30 Start: 20641, Stop: 22413, Start Num: 50
Candidate Starts for Dignity_30:
(Start: 41 @20617 has 10 MA's), (Start: 50 @20641 has 603 MA's), (86, 20740), (100, 20824), (109, 20875), (110, 20878), (121, 20950), (122, 20953), (132, 21007), (138, 21046), (148, 21124), (165, 21211), (185, 21292), (187, 21295), (220, 21481), (235, 21568), (257, 21673), (261, 21688), (286, 21814), (288, 21820), (309, 21868), (322, 21946), (323, 21952), (333, 22006), (338, 22045), (341, 22060), (356, 22144), (376, 22255),

Gene: Dina_17 Start: 16286, Stop: 17983, Start Num: 39
Candidate Starts for Dina_17:
(Start: 39 @16286 has 5 MA's), (Start: 45 @16307 has 6 MA's), (75, 16391), (83, 16418), (85, 16424), (108, 16556), (118, 16607), (122, 16640), (123, 16649), (144, 16784), (150, 16817), (155, 16835), (163, 16889), (176, 16934), (189, 16991), (190, 17003), (198, 17042), (217, 17093), (219, 17102), (222, 17123), (231, 17189), (253, 17279), (275, 17387), (284, 17441), (286, 17447), (290, 17465), (324, 17561), (330, 17582), (340, 17627), (368, 17786), (372, 17801), (375, 17816), (377, 17828), (399, 17972),

Gene: Dinger_23 Start: 16304, Stop: 17944, Start Num: 60
Candidate Starts for Dinger_23:
(Start: 60 @16304 has 3 MA's), (Start: 64 @16319 has 32 MA's), (83, 16388), (90, 16424), (122, 16610), (142, 16739), (148, 16781), (154, 16799), (156, 16808), (Start: 160 @16832 has 1 MA's), (162, 16850), (171, 16880), (174, 16895), (175, 16898), (183, 16937), (187, 16946), (203, 17030), (230, 17147), (235, 17171), (260, 17285), (277, 17363), (283, 17402), (286, 17414), (289, 17423), (309, 17444), (322, 17522), (354, 17669), (372, 17768), (374, 17783), (399, 17936),

Gene: DirtDevil_29 Start: 22423, Stop: 24225, Start Num: 52
Candidate Starts for DirtDevil_29:
(Start: 52 @22423 has 230 MA's), (Start: 61 @22444 has 6 MA's), (Start: 71 @22486 has 1 MA's), (85, 22531), (122, 22747), (129, 22792), (132, 22801), (138, 22840), (144, 22891), (145, 22894), (187, 23089), (200, 23158), (234, 23359), (235, 23362), (239, 23383), (260, 23479), (261, 23482), (263, 23488), (277, 23557), (280, 23575), (282, 23584), (288, 23614), (314, 23710), (319, 23743), (322,

23758), (327, 23788), (346, 23899), (356, 23956), (376, 24067), (400, 24220),

Gene: DirtyBoi_20 Start: 16958, Stop: 18652, Start Num: 51
Candidate Starts for DirtyBoi_20:
(Start: 39 @16928 has 5 MA's), (Start: 51 @16958 has 6 MA's), (86, 17060), (94, 17111), (105, 17168), (112, 17219), (123, 17297), (125, 17303), (147, 17453), (175, 17576), (188, 17636), (193, 17672), (202, 17714), (218, 17756), (221, 17780), (226, 17810), (280, 18071), (300, 18146), (315, 18188), (323, 18233), (346, 18329), (347, 18332), (351, 18347), (378, 18506), (379, 18512), (390, 18599), (399, 18644),

Gene: DirtyDunning_27 Start: 19823, Stop: 21601, Start Num: 50
Candidate Starts for DirtyDunning_27:
(Start: 41 @19799 has 10 MA's), (Start: 50 @19823 has 603 MA's), (Start: 71 @19880 has 1 MA's), (87, 19934), (88, 19949), (92, 19967), (107, 20051), (109, 20063), (110, 20066), (122, 20141), (125, 20156), (132, 20195), (148, 20312), (165, 20399), (185, 20480), (195, 20528), (200, 20552), (216, 20639), (224, 20684), (235, 20756), (239, 20777), (244, 20795), (261, 20876), (280, 20969), (282, 20978), (286, 21002), (288, 21008), (295, 21032), (314, 21086), (318, 21107), (326, 21158), (330, 21182), (356, 21332), (374, 21437), (377, 21452), (393, 21560), (396, 21578),

Gene: Discoknowium_24 Start: 19773, Stop: 21572, Start Num: 50
Candidate Starts for Discoknowium_24:
(Start: 50 @19773 has 603 MA's), (87, 19878), (92, 19911), (110, 20010), (122, 20085), (125, 20100), (131, 20136), (141, 20208), (143, 20223), (148, 20256), (150, 20262), (197, 20487), (199, 20493), (216, 20583), (232, 20688), (234, 20697), (244, 20739), (249, 20757), (260, 20817), (261, 20820), (277, 20895), (280, 20913), (313, 21054), (319, 21090), (356, 21303), (373, 21405), (376, 21414), (392, 21528), (396, 21549), (398, 21558),

Gene: Dixon_24 Start: 18653, Stop: 20443, Start Num: 50
Candidate Starts for Dixon_24:
(Start: 41 @18629 has 10 MA's), (Start: 50 @18653 has 603 MA's), (84, 18746), (92, 18791), (110, 18890), (117, 18926), (122, 18965), (125, 18980), (131, 19016), (148, 19136), (150, 19142), (176, 19262), (203, 19391), (216, 19463), (234, 19577), (280, 19793), (286, 19826), (314, 19928), (319, 19961), (322, 19976), (327, 20006), (373, 20276), (376, 20285), (377, 20294), (394, 20408),

Gene: Dmitri_19 Start: 17502, Stop: 19196, Start Num: 51
Candidate Starts for Dmitri_19:
(37, 17460), (Start: 39 @17472 has 5 MA's), (Start: 51 @17502 has 6 MA's), (86, 17604), (94, 17655), (105, 17712), (112, 17763), (123, 17841), (125, 17847), (147, 17997), (175, 18120), (188, 18180), (193, 18216), (202, 18258), (218, 18300), (226, 18354), (280, 18615), (300, 18690), (315, 18732), (323, 18777), (346, 18873), (347, 18876), (351, 18891), (378, 19050), (379, 19056), (390, 19143), (399, 19188),

Gene: Doggs_18 Start: 17205, Stop: 18899, Start Num: 51
Candidate Starts for Doggs_18:
(8, 16734), (18, 16884), (Start: 39 @17175 has 5 MA's), (Start: 51 @17205 has 6 MA's), (86, 17307), (90, 17334), (92, 17346), (94, 17358), (105, 17415), (112, 17466), (115, 17487), (123, 17544), (125, 17550), (147, 17700), (175, 17823), (188, 17883), (193, 17919), (218, 18003), (226, 18057), (280, 18318), (299, 18390), (300, 18393), (315, 18435), (323, 18480), (346, 18576), (347, 18579), (351, 18594), (378, 18753), (379, 18759), (390, 18846), (399, 18891),

Gene: DontArgue_26 Start: 18145, Stop: 19923, Start Num: 50
Candidate Starts for DontArgue_26:

(Start: 41 @18121 has 10 MA's), (Start: 50 @18145 has 603 MA's), (Start: 71 @18202 has 1 MA's), (76, 18217), (85, 18247), (88, 18271), (109, 18385), (110, 18388), (122, 18463), (148, 18634), (165, 18721), (183, 18796), (191, 18835), (216, 18961), (224, 19006), (239, 19099), (242, 19111), (280, 19291), (282, 19300), (286, 19324), (288, 19330), (291, 19345), (309, 19378), (318, 19429), (356, 19654), (374, 19759), (376, 19765), (377, 19774), (396, 19900),

Gene: Doom_28 Start: 21888, Stop: 23690, Start Num: 52
Candidate Starts for Doom_28:
(Start: 52 @21888 has 230 MA's), (Start: 61 @21909 has 6 MA's), (Start: 71 @21951 has 1 MA's), (85, 21996), (122, 22212), (129, 22257), (132, 22266), (138, 22305), (144, 22356), (145, 22359), (187, 22554), (200, 22623), (234, 22824), (235, 22827), (239, 22848), (260, 22944), (261, 22947), (263, 22953), (277, 23022), (280, 23040), (282, 23049), (288, 23079), (314, 23175), (319, 23208), (322, 23223), (346, 23364), (356, 23421), (376, 23532), (400, 23685),

Gene: Dorothea_31 Start: 19977, Stop: 21749, Start Num: 50
Candidate Starts for Dorothea_31:
(32, 19911), (Start: 41 @19953 has 10 MA's), (Start: 50 @19977 has 603 MA's), (103, 20175), (110, 20214), (121, 20286), (122, 20289), (126, 20307), (132, 20343), (133, 20349), (148, 20460), (150, 20466), (165, 20547), (176, 20586), (185, 20628), (187, 20631), (197, 20691), (240, 20928), (244, 20943), (261, 21024), (279, 21111), (288, 21156), (322, 21282), (331, 21333), (333, 21342), (338, 21381), (339, 21384), (341, 21396), (356, 21480), (374, 21585), (376, 21591), (396, 21726),

Gene: DrFeelGood_26 Start: 21434, Stop: 23236, Start Num: 52
Candidate Starts for DrFeelGood_26:
(Start: 52 @21434 has 230 MA's), (Start: 61 @21455 has 6 MA's), (Start: 71 @21497 has 1 MA's), (85, 21542), (122, 21758), (129, 21803), (132, 21812), (138, 21851), (144, 21902), (145, 21905), (187, 22100), (200, 22169), (234, 22370), (235, 22373), (239, 22394), (260, 22490), (261, 22493), (263, 22499), (277, 22568), (280, 22586), (282, 22595), (288, 22625), (314, 22721), (319, 22754), (322, 22769), (346, 22910), (356, 22967), (376, 23078), (400, 23231),

Gene: Drake55_30 Start: 20670, Stop: 22442, Start Num: 50
Candidate Starts for Drake55_30:
(Start: 41 @20646 has 10 MA's), (Start: 50 @20670 has 603 MA's), (91, 20805), (109, 20904), (110, 20907), (121, 20979), (122, 20982), (132, 21036), (133, 21042), (141, 21105), (148, 21153), (157, 21186), (159, 21198), (165, 21240), (185, 21321), (187, 21324), (191, 21354), (220, 21510), (235, 21597), (257, 21702), (261, 21717), (285, 21840), (286, 21843), (288, 21849), (309, 21897), (319, 21960), (322, 21975), (323, 21981), (333, 22035), (338, 22074), (341, 22089), (348, 22122), (355, 22167), (374, 22278), (376, 22284), (383, 22338),

Gene: Drake94_26 Start: 17881, Stop: 19659, Start Num: 50
Candidate Starts for Drake94_26:
(Start: 41 @17857 has 10 MA's), (Start: 50 @17881 has 603 MA's), (Start: 71 @17938 has 1 MA's), (76, 17953), (88, 18007), (109, 18121), (110, 18124), (122, 18199), (127, 18238), (148, 18370), (165, 18457), (183, 18532), (191, 18571), (200, 18610), (216, 18697), (224, 18742), (234, 18811), (239, 18835), (242, 18847), (244, 18853), (280, 19027), (282, 19036), (286, 19060), (288, 19066), (291, 19081), (309, 19114), (318, 19165), (327, 19222), (328, 19228), (356, 19390), (374, 19495), (376, 19501), (377, 19510), (396, 19636),

Gene: DreamCatcher_30 Start: 22505, Stop: 24307, Start Num: 52
Candidate Starts for DreamCatcher_30:
(Start: 52 @22505 has 230 MA's), (Start: 61 @22526 has 6 MA's), (Start: 71 @22568 has 1 MA's), (85, 22613), (122, 22829), (129, 22874), (132, 22883), (138, 22922), (144, 22973), (145, 22976), (187, 23171), (200, 23240), (234, 23441), (235, 23444), (239, 23465), (260, 23561), (261, 23564), (263,

23570), (277, 23639), (280, 23657), (282, 23666), (288, 23696), (314, 23792), (319, 23825), (322, 23840), (346, 23981), (356, 24038), (376, 24149), (400, 24302),

Gene: DreamTeam1_28 Start: 19699, Stop: 21489, Start Num: 50
Candidate Starts for DreamTeam1_28:
(32, 19633), (Start: 41 @19675 has 10 MA's), (Start: 50 @19699 has 603 MA's), (109, 19933), (110, 19936), (121, 20008), (122, 20011), (125, 20026), (126, 20029), (132, 20065), (133, 20071), (139, 20122), (143, 20149), (144, 20155), (148, 20182), (150, 20188), (157, 20215), (165, 20269), (185, 20350), (187, 20353), (197, 20413), (230, 20602), (244, 20665), (255, 20716), (261, 20746), (286, 20872), (314, 20974), (315, 20983), (319, 21007), (322, 21022), (326, 21046), (338, 21121), (341, 21136), (356, 21220), (374, 21325), (376, 21331), (383, 21385), (389, 21433),

Gene: Dreamboat_28 Start: 21057, Stop: 22859, Start Num: 52
Candidate Starts for Dreamboat_28:
(Start: 52 @21057 has 230 MA's), (Start: 61 @21078 has 6 MA's), (Start: 71 @21120 has 1 MA's), (85, 21165), (122, 21381), (129, 21426), (132, 21435), (144, 21525), (145, 21528), (187, 21723), (200, 21792), (234, 21993), (235, 21996), (239, 22017), (260, 22113), (261, 22116), (263, 22122), (277, 22191), (280, 22209), (282, 22218), (288, 22248), (314, 22344), (319, 22377), (322, 22392), (346, 22533), (356, 22590), (376, 22701),

Gene: DroogsArmy_28 Start: 22621, Stop: 24423, Start Num: 50
Candidate Starts for DroogsArmy_28:
(Start: 43 @22609 has 2 MA's), (Start: 50 @22621 has 603 MA's), (70, 22666), (77, 22687), (109, 22852), (110, 22855), (122, 22930), (125, 22945), (150, 23107), (152, 23113), (165, 23188), (197, 23332), (221, 23458), (224, 23470), (234, 23539), (244, 23581), (260, 23677), (261, 23680), (265, 23695), (277, 23755), (280, 23773), (282, 23782), (286, 23806), (288, 23812), (313, 23905), (314, 23908), (319, 23941), (322, 23956), (328, 23992), (329, 23998), (343, 24085), (345, 24094), (371, 24235), (376, 24265), (377, 24274), (390, 24370), (399, 24415),

Gene: DropBear_27 Start: 19967, Stop: 21766, Start Num: 50
Candidate Starts for DropBear_27:
(Start: 50 @19967 has 603 MA's), (Start: 71 @20027 has 1 MA's), (88, 20096), (107, 20198), (109, 20210), (110, 20213), (122, 20288), (125, 20303), (126, 20306), (132, 20342), (154, 20477), (165, 20546), (191, 20660), (216, 20786), (234, 20900), (239, 20924), (242, 20936), (244, 20942), (261, 21023), (277, 21098), (280, 21116), (282, 21125), (286, 21149), (288, 21155), (291, 21170), (307, 21212), (312, 21239), (313, 21248), (314, 21251), (318, 21272), (319, 21284), (356, 21497), (374, 21602), (376, 21608), (396, 21743),

Gene: Druantia_27 Start: 19828, Stop: 21606, Start Num: 50
Candidate Starts for Druantia_27:
(Start: 41 @19804 has 10 MA's), (Start: 50 @19828 has 603 MA's), (Start: 71 @19885 has 1 MA's), (87, 19939), (88, 19954), (92, 19972), (107, 20056), (109, 20068), (110, 20071), (122, 20146), (125, 20161), (132, 20200), (148, 20317), (165, 20404), (185, 20485), (195, 20533), (200, 20557), (216, 20644), (224, 20689), (235, 20761), (239, 20782), (244, 20800), (261, 20881), (280, 20974), (282, 20983), (286, 21007), (288, 21013), (295, 21037), (314, 21091), (318, 21112), (326, 21163), (330, 21187), (339, 21241), (356, 21337), (374, 21442), (377, 21457), (393, 21565), (396, 21583),

Gene: Dublin_23 Start: 19626, Stop: 21422, Start Num: 50
Candidate Starts for Dublin_23:
(Start: 50 @19626 has 603 MA's), (87, 19731), (92, 19764), (110, 19863), (122, 19938), (125, 19953), (131, 19989), (141, 20061), (143, 20076), (150, 20115), (167, 20202), (191, 20310), (197, 20340), (199, 20346), (224, 20481), (231, 20538), (232, 20541), (234, 20550), (244, 20592), (249, 20610), (260, 20670), (261, 20673), (280, 20766), (282, 20775), (286, 20799), (313, 20907), (319, 20943),

(356, 21153), (366, 21207), (373, 21255), (376, 21264), (392, 21378), (396, 21399), (398, 21408),

Gene: DudeLittle_28 Start: 20267, Stop: 22039, Start Num: 50
Candidate Starts for DudeLittle_28:
(Start: 41 @20243 has 10 MA's), (Start: 50 @20267 has 603 MA's), (109, 20501), (110, 20504), (121, 20576), (122, 20579), (132, 20633), (138, 20672), (143, 20717), (148, 20750), (165, 20837), (185, 20918), (187, 20921), (235, 21194), (261, 21314), (286, 21440), (309, 21494), (311, 21503), (314, 21524), (319, 21557), (322, 21572), (323, 21578), (333, 21632), (338, 21671), (341, 21686), (356, 21770), (376, 21881),

Gene: Dulcie_26 Start: 20754, Stop: 22556, Start Num: 52
Candidate Starts for Dulcie_26:
(Start: 52 @20754 has 230 MA's), (Start: 61 @20775 has 6 MA's), (Start: 71 @20817 has 1 MA's), (85, 20862), (122, 21078), (129, 21123), (132, 21132), (138, 21171), (144, 21222), (145, 21225), (187, 21420), (200, 21489), (234, 21690), (235, 21693), (239, 21714), (260, 21810), (261, 21813), (263, 21819), (277, 21888), (280, 21906), (282, 21915), (288, 21945), (314, 22041), (319, 22074), (322, 22089), (346, 22230), (356, 22287), (376, 22398),

Gene: Duplo_31 Start: 20087, Stop: 21877, Start Num: 50
Candidate Starts for Duplo_31:
(32, 20021), (Start: 41 @20063 has 10 MA's), (Start: 50 @20087 has 603 MA's), (96, 20240), (109, 20321), (110, 20324), (121, 20396), (122, 20399), (125, 20414), (132, 20453), (133, 20459), (148, 20570), (154, 20588), (156, 20597), (165, 20657), (185, 20738), (187, 20741), (216, 20897), (220, 20927), (261, 21134), (286, 21260), (314, 21362), (319, 21395), (322, 21410), (326, 21434), (338, 21509), (339, 21512), (341, 21524), (356, 21608), (370, 21686), (374, 21713), (376, 21719), (382, 21764), (383, 21773), (396, 21854),

Gene: Dussy_28 Start: 21319, Stop: 23121, Start Num: 52
Candidate Starts for Dussy_28:
(Start: 52 @21319 has 230 MA's), (Start: 61 @21340 has 6 MA's), (Start: 71 @21382 has 1 MA's), (85, 21427), (122, 21643), (129, 21688), (132, 21697), (138, 21736), (144, 21787), (145, 21790), (187, 21985), (200, 22054), (234, 22255), (235, 22258), (239, 22279), (260, 22375), (261, 22378), (263, 22384), (277, 22453), (280, 22471), (282, 22480), (288, 22510), (314, 22606), (319, 22639), (322, 22654), (346, 22795), (356, 22852), (376, 22963),

Gene: DustyMartin_31 Start: 19855, Stop: 21633, Start Num: 50
Candidate Starts for DustyMartin_31:
(Start: 50 @19855 has 603 MA's), (Start: 71 @19912 has 1 MA's), (76, 19927), (86, 19960), (88, 19981), (107, 20083), (109, 20095), (110, 20098), (122, 20173), (125, 20188), (132, 20227), (148, 20344), (154, 20362), (165, 20431), (178, 20485), (183, 20506), (191, 20545), (200, 20584), (216, 20671), (224, 20716), (230, 20764), (234, 20785), (239, 20809), (242, 20821), (244, 20827), (261, 20908), (280, 21001), (282, 21010), (286, 21034), (288, 21040), (291, 21055), (309, 21088), (318, 21139), (321, 21157), (328, 21202), (356, 21364), (362, 21388), (363, 21394), (374, 21469), (376, 21475), (377, 21484), (384, 21535), (396, 21610),

Gene: Dynamix_28 Start: 21136, Stop: 22938, Start Num: 52
Candidate Starts for Dynamix_28:
(Start: 52 @21136 has 230 MA's), (Start: 61 @21157 has 6 MA's), (Start: 71 @21199 has 1 MA's), (85, 21244), (122, 21460), (129, 21505), (132, 21514), (144, 21604), (145, 21607), (162, 21700), (187, 21802), (200, 21871), (234, 22072), (235, 22075), (239, 22096), (260, 22192), (261, 22195), (263, 22201), (277, 22270), (280, 22288), (282, 22297), (288, 22327), (314, 22423), (319, 22456), (322, 22471), (346, 22612), (356, 22669), (376, 22780), (400, 22933),

Gene: EZMoney23_32 Start: 22145, Stop: 23917, Start Num: 50
Candidate Starts for EZMoney23_32:
(Start: 41 @22121 has 10 MA's), (Start: 50 @22145 has 603 MA's), (109, 22379), (110, 22382), (121, 22454), (122, 22457), (132, 22511), (138, 22550), (148, 22628), (165, 22715), (185, 22796), (187, 22799), (220, 22985), (230, 23048), (235, 23072), (244, 23111), (257, 23177), (261, 23192), (288, 23324), (314, 23402), (319, 23435), (322, 23450), (333, 23510), (338, 23549), (341, 23564), (348, 23597), (356, 23648), (374, 23753), (376, 23759),

Gene: Eagle_26 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Eagle_26:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: EagleEye_30 Start: 20938, Stop: 22728, Start Num: 50
Candidate Starts for EagleEye_30:
(Start: 41 @20914 has 10 MA's), (Start: 50 @20938 has 603 MA's), (96, 21091), (109, 21172), (110, 21175), (121, 21247), (122, 21250), (126, 21268), (127, 21289), (132, 21304), (133, 21310), (139, 21361), (148, 21421), (165, 21508), (185, 21589), (187, 21592), (220, 21778), (230, 21841), (235, 21865), (244, 21904), (261, 21985), (286, 22111), (307, 22174), (322, 22261), (338, 22360), (348, 22408), (356, 22459), (376, 22570), (383, 22624),

Gene: Eaglepride_28 Start: 19807, Stop: 21585, Start Num: 50
Candidate Starts for Eaglepride_28:
(Start: 41 @19783 has 10 MA's), (Start: 50 @19807 has 603 MA's), (Start: 71 @19864 has 1 MA's), (88, 19933), (107, 20035), (109, 20047), (110, 20050), (122, 20125), (125, 20140), (132, 20179), (148, 20296), (165, 20383), (183, 20458), (191, 20497), (216, 20623), (224, 20668), (234, 20737), (239, 20761), (242, 20773), (244, 20779), (280, 20953), (282, 20962), (286, 20986), (288, 20992), (309, 21040), (318, 21091), (321, 21109), (374, 21421), (376, 21427), (377, 21436), (396, 21562),

Gene: Eapen_27 Start: 19826, Stop: 21604, Start Num: 50
Candidate Starts for Eapen_27:
(Start: 41 @19802 has 10 MA's), (Start: 50 @19826 has 603 MA's), (Start: 71 @19883 has 1 MA's), (87, 19937), (88, 19952), (92, 19970), (107, 20054), (109, 20066), (110, 20069), (122, 20144), (125, 20159), (132, 20198), (148, 20315), (165, 20402), (185, 20483), (195, 20531), (200, 20555), (216, 20642), (224, 20687), (235, 20759), (239, 20780), (244, 20798), (261, 20879), (280, 20972), (282, 20981), (286, 21005), (288, 21011), (295, 21035), (314, 21089), (318, 21110), (326, 21161), (330, 21185), (339, 21239), (356, 21335), (374, 21440), (377, 21455), (393, 21563), (396, 21581),

Gene: Ebony_28 Start: 20798, Stop: 22597, Start Num: 50
Candidate Starts for Ebony_28:
(32, 20732), (Start: 41 @20774 has 10 MA's), (Start: 50 @20798 has 603 MA's), (68, 20840), (92, 20936), (96, 20951), (109, 21032), (110, 21035), (122, 21110), (125, 21125), (132, 21164), (133, 21170), (139, 21221), (148, 21281), (150, 21287), (165, 21368), (187, 21452), (209, 21578), (214, 21596), (219, 21623), (244, 21764), (257, 21830), (260, 21842), (261, 21845), (304, 22034), (311, 22061), (312, 22070), (315, 22091), (316, 22094), (319, 22115), (322, 22130), (326, 22154), (338, 22229), (341, 22244), (356, 22328), (374, 22433), (376, 22439), (383, 22493), (400, 22592),

Gene: Echild_28 Start: 20292, Stop: 22064, Start Num: 50
Candidate Starts for Echild_28:

(Start: 41 @20268 has 10 MA's), (Start: 50 @20292 has 603 MA's), (86, 20391), (100, 20475), (109, 20526), (110, 20529), (121, 20601), (122, 20604), (132, 20658), (138, 20697), (148, 20775), (165, 20862), (185, 20943), (187, 20946), (235, 21219), (261, 21339), (286, 21465), (288, 21471), (309, 21519), (319, 21582), (322, 21597), (323, 21603), (333, 21657), (338, 21696), (341, 21711), (356, 21795), (376, 21906),

Gene: Edison31_27 Start: 19822, Stop: 21600, Start Num: 50
Candidate Starts for Edison31_27:
(Start: 50 @19822 has 603 MA's), (Start: 71 @19879 has 1 MA's), (76, 19894), (86, 19927), (88, 19948), (107, 20050), (109, 20062), (110, 20065), (122, 20140), (125, 20155), (132, 20194), (148, 20311), (154, 20329), (165, 20398), (183, 20473), (191, 20512), (200, 20551), (216, 20638), (224, 20683), (234, 20752), (239, 20776), (242, 20788), (244, 20794), (261, 20875), (280, 20968), (282, 20977), (286, 21001), (288, 21007), (291, 21022), (309, 21055), (318, 21106), (321, 21124), (327, 21163), (343, 21262), (356, 21331), (362, 21355), (363, 21361), (374, 21436), (376, 21442), (377, 21451), (384, 21502), (396, 21577),

Gene: EdogawaKiddo_30 Start: 21749, Stop: 23539, Start Num: 50
Candidate Starts for EdogawaKiddo_30:
(Start: 48 @21746 has 8 MA's), (Start: 50 @21749 has 603 MA's), (109, 21983), (110, 21986), (121, 22058), (122, 22061), (125, 22076), (132, 22115), (133, 22121), (148, 22232), (165, 22319), (185, 22400), (187, 22403), (220, 22589), (230, 22652), (235, 22676), (237, 22682), (244, 22715), (261, 22796), (286, 22922), (298, 22964), (314, 23024), (319, 23057), (322, 23072), (338, 23171), (339, 23174), (341, 23186), (356, 23270), (367, 23336), (374, 23375), (376, 23381), (382, 23426), (389, 23483), (390, 23486),

Gene: Edtherson_28 Start: 21883, Stop: 23685, Start Num: 52
Candidate Starts for Edtherson_28:
(Start: 52 @21883 has 230 MA's), (Start: 61 @21904 has 6 MA's), (Start: 71 @21946 has 1 MA's), (85, 21991), (122, 22207), (129, 22252), (132, 22261), (138, 22300), (144, 22351), (145, 22354), (162, 22447), (187, 22549), (200, 22618), (234, 22819), (235, 22822), (239, 22843), (260, 22939), (261, 22942), (263, 22948), (277, 23017), (280, 23035), (282, 23044), (288, 23074), (314, 23170), (319, 23203), (322, 23218), (346, 23359), (356, 23416), (376, 23527),

Gene: Egi03_31 Start: 26053, Stop: 27819, Start Num: 34
Candidate Starts for Egi03_31:
(28, 26011), (Start: 34 @26053 has 86 MA's), (Start: 39 @26089 has 5 MA's), (Start: 53 @26122 has 7 MA's), (104, 26332), (105, 26335), (109, 26365), (119, 26431), (122, 26455), (123, 26464), (128, 26497), (156, 26650), (162, 26689), (175, 26740), (177, 26752), (181, 26770), (184, 26782), (186, 26794), (189, 26809), (194, 26839), (195, 26842), (199, 26863), (221, 26935), (227, 26983), (252, 27094), (258, 27127), (267, 27166), (268, 27169), (282, 27241), (300, 27307), (308, 27319), (346, 27490), (347, 27493), (355, 27541), (361, 27568), (365, 27595), (374, 27649), (390, 27766), (395, 27787), (400, 27814),

Gene: Eidsmoe_30 Start: 21776, Stop: 23569, Start Num: 48
Candidate Starts for Eidsmoe_30:
(Start: 48 @21776 has 8 MA's), (Start: 50 @21779 has 603 MA's), (109, 22013), (110, 22016), (121, 22088), (122, 22091), (125, 22106), (132, 22145), (133, 22151), (148, 22262), (165, 22349), (185, 22430), (187, 22433), (197, 22493), (220, 22619), (230, 22682), (235, 22706), (237, 22712), (244, 22745), (261, 22826), (286, 22952), (298, 22994), (299, 22997), (314, 23054), (319, 23087), (322, 23102), (338, 23201), (339, 23204), (341, 23216), (356, 23300), (367, 23366), (374, 23405), (376, 23411), (382, 23456), (389, 23513), (390, 23516),

Gene: ElTiger69_24 Start: 18976, Stop: 20775, Start Num: 50

Candidate Starts for ElTiger69_24:
(Start: 50 @18976 has 603 MA's), (110, 19213), (117, 19249), (122, 19288), (125, 19303), (131, 19339), (141, 19411), (143, 19426), (148, 19459), (150, 19465), (191, 19660), (197, 19690), (199, 19696), (216, 19786), (224, 19831), (234, 19900), (244, 19942), (249, 19960), (260, 20020), (261, 20023), (280, 20116), (313, 20257), (319, 20293), (373, 20608), (376, 20617), (396, 20752),

Gene: Elephantoon_29 Start: 21187, Stop: 22977, Start Num: 50
Candidate Starts for Elephantoon_29:
(Start: 41 @21163 has 10 MA's), (Start: 50 @21187 has 603 MA's), (109, 21421), (110, 21424), (121, 21496), (122, 21499), (126, 21517), (132, 21553), (133, 21559), (138, 21592), (139, 21610), (148, 21670), (157, 21703), (165, 21757), (185, 21838), (187, 21841), (209, 21967), (220, 22027), (230, 22090), (242, 22147), (261, 22234), (286, 22360), (290, 22378), (298, 22402), (314, 22462), (319, 22495), (322, 22510), (338, 22609), (339, 22612), (341, 22624), (356, 22708), (367, 22774), (374, 22813), (376, 22819), (382, 22864), (389, 22921), (390, 22924),

Gene: Elle_28 Start: 19061, Stop: 20845, Start Num: 50
Candidate Starts for Elle_28:
(Start: 41 @19037 has 10 MA's), (Start: 50 @19061 has 603 MA's), (78, 19136), (88, 19181), (92, 19199), (109, 19295), (110, 19298), (113, 19328), (117, 19334), (122, 19373), (125, 19388), (134, 19442), (138, 19466), (145, 19520), (167, 19637), (176, 19670), (185, 19712), (187, 19715), (199, 19781), (207, 19832), (224, 19916), (260, 20105), (261, 20108), (274, 20171), (314, 20336), (321, 20375), (323, 20390), (334, 20447), (338, 20483), (356, 20576), (377, 20696), (389, 20789), (398, 20831),

Gene: EmyBug_30 Start: 21779, Stop: 23569, Start Num: 50
Candidate Starts for EmyBug_30:
(Start: 48 @21776 has 8 MA's), (Start: 50 @21779 has 603 MA's), (109, 22013), (110, 22016), (121, 22088), (122, 22091), (125, 22106), (132, 22145), (133, 22151), (148, 22262), (165, 22349), (185, 22430), (187, 22433), (197, 22493), (220, 22619), (230, 22682), (235, 22706), (237, 22712), (244, 22745), (261, 22826), (286, 22952), (298, 22994), (299, 22997), (314, 23054), (319, 23087), (322, 23102), (338, 23201), (339, 23204), (341, 23216), (356, 23300), (367, 23366), (374, 23405), (376, 23411), (382, 23456), (389, 23513), (390, 23516),

Gene: EnzoK_28 Start: 21308, Stop: 23110, Start Num: 52
Candidate Starts for EnzoK_28:
(Start: 52 @21308 has 230 MA's), (Start: 61 @21329 has 6 MA's), (Start: 71 @21371 has 1 MA's), (85, 21416), (122, 21632), (129, 21677), (132, 21686), (144, 21776), (145, 21779), (187, 21974), (200, 22043), (231, 22232), (234, 22244), (235, 22247), (239, 22268), (260, 22364), (261, 22367), (263, 22373), (277, 22442), (280, 22460), (282, 22469), (288, 22499), (314, 22595), (319, 22628), (322, 22643), (346, 22784), (356, 22841), (376, 22952), (400, 23105),

Gene: EpicPhail_29 Start: 20379, Stop: 22175, Start Num: 50
Candidate Starts for EpicPhail_29:
(Start: 50 @20379 has 603 MA's), (Start: 71 @20436 has 1 MA's), (76, 20451), (86, 20484), (88, 20505), (91, 20520), (107, 20607), (109, 20619), (110, 20622), (122, 20697), (125, 20712), (131, 20748), (165, 20955), (191, 21069), (200, 21108), (216, 21195), (234, 21309), (239, 21333), (244, 21351), (261, 21432), (277, 21507), (280, 21525), (286, 21558), (288, 21564), (299, 21603), (313, 21657), (314, 21660), (318, 21681), (327, 21738), (356, 21906), (374, 22011), (376, 22017), (396, 22152),

Gene: Epsocamisio_30 Start: 19093, Stop: 20880, Start Num: 50
Candidate Starts for Epsocamisio_30:

(32, 19027), (Start: 41 @19069 has 10 MA's), (Start: 50 @19093 has 603 MA's), (92, 19231), (102, 19288), (110, 19330), (117, 19366), (122, 19405), (134, 19474), (138, 19498), (145, 19552), (176, 19702), (187, 19747), (191, 19777), (199, 19813), (207, 19864), (215, 19900), (224, 19948), (232, 20008), (260, 20137), (277, 20215), (322, 20416), (323, 20422), (339, 20518), (368, 20683), (384, 20782),

Gene: Equemioh13_30 Start: 20656, Stop: 22428, Start Num: 50
Candidate Starts for Equemioh13_30:
(Start: 41 @20632 has 10 MA's), (Start: 50 @20656 has 603 MA's), (91, 20791), (109, 20890), (110, 20893), (121, 20965), (122, 20968), (132, 21022), (133, 21028), (141, 21091), (148, 21139), (157, 21172), (165, 21226), (185, 21307), (187, 21310), (191, 21340), (220, 21496), (235, 21583), (261, 21703), (285, 21826), (286, 21829), (288, 21835), (309, 21883), (319, 21946), (322, 21961), (323, 21967), (333, 22021), (338, 22060), (341, 22075), (348, 22108), (355, 22153), (374, 22264), (376, 22270), (383, 22324),

Gene: EricB_31 Start: 19969, Stop: 21741, Start Num: 50
Candidate Starts for EricB_31:
(32, 19903), (Start: 41 @19945 has 10 MA's), (Start: 50 @19969 has 603 MA's), (103, 20167), (110, 20206), (121, 20278), (122, 20281), (126, 20299), (132, 20335), (133, 20341), (148, 20452), (150, 20458), (159, 20497), (165, 20539), (176, 20578), (185, 20620), (187, 20623), (197, 20683), (240, 20920), (244, 20935), (261, 21016), (288, 21148), (322, 21274), (331, 21325), (333, 21334), (338, 21373), (339, 21376), (341, 21388), (356, 21472), (374, 21577), (376, 21583), (396, 21718),

Gene: Erik_23 Start: 16348, Stop: 17973, Start Num: 64
Candidate Starts for Erik_23:
(Start: 64 @16348 has 32 MA's), (83, 16417), (90, 16453), (103, 16525), (122, 16639), (142, 16768), (148, 16810), (154, 16828), (156, 16837), (Start: 160 @16861 has 1 MA's), (162, 16879), (169, 16903), (171, 16909), (174, 16924), (175, 16927), (187, 16975), (230, 17176), (235, 17200), (260, 17314), (277, 17392), (283, 17431), (286, 17443), (309, 17473), (322, 17551), (354, 17698), (372, 17797), (374, 17812), (399, 17965),

Gene: Eris_26 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Eris_26:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Eros_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Eros_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Espica_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Espica_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904),

(171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Espresso_27 Start: 21202, Stop: 23004, Start Num: 52
Candidate Starts for Espresso_27:
(Start: 52 @21202 has 230 MA's), (Start: 61 @21223 has 6 MA's), (Start: 71 @21265 has 1 MA's), (85, 21310), (122, 21526), (129, 21571), (132, 21580), (138, 21619), (144, 21670), (145, 21673), (187, 21868), (200, 21937), (234, 22138), (235, 22141), (239, 22162), (260, 22258), (261, 22261), (263, 22267), (277, 22336), (280, 22354), (282, 22363), (288, 22393), (314, 22489), (319, 22522), (322, 22537), (346, 22678), (356, 22735), (376, 22846),

Gene: Et2Brutus_27 Start: 20758, Stop: 22557, Start Num: 50
Candidate Starts for Et2Brutus_27:
(32, 20692), (Start: 41 @20734 has 10 MA's), (Start: 50 @20758 has 603 MA's), (68, 20800), (92, 20896), (96, 20911), (109, 20992), (110, 20995), (122, 21070), (125, 21085), (132, 21124), (133, 21130), (139, 21181), (148, 21241), (150, 21247), (165, 21328), (187, 21412), (209, 21538), (214, 21556), (219, 21583), (244, 21724), (257, 21790), (260, 21802), (261, 21805), (304, 21994), (311, 22021), (312, 22030), (315, 22051), (316, 22054), (319, 22075), (322, 22090), (326, 22114), (338, 22189), (341, 22204), (356, 22288), (374, 22393), (376, 22399), (383, 22453), (400, 22552),

Gene: EtoileNova_28 Start: 20459, Stop: 22258, Start Num: 50
Candidate Starts for EtoileNova_28:
(Start: 50 @20459 has 603 MA's), (Start: 71 @20519 has 1 MA's), (88, 20588), (107, 20690), (109, 20702), (110, 20705), (122, 20780), (125, 20795), (132, 20834), (154, 20969), (165, 21038), (191, 21152), (216, 21278), (234, 21392), (239, 21416), (242, 21428), (244, 21434), (261, 21515), (277, 21590), (280, 21608), (282, 21617), (286, 21641), (288, 21647), (291, 21662), (304, 21695), (313, 21740), (314, 21743), (318, 21764), (339, 21893), (356, 21989), (374, 22094), (376, 22100), (396, 22235),

Gene: Euphoria_27 Start: 21090, Stop: 22892, Start Num: 52
Candidate Starts for Euphoria_27:
(Start: 52 @21090 has 230 MA's), (Start: 61 @21111 has 6 MA's), (Start: 71 @21153 has 1 MA's), (85, 21198), (122, 21414), (129, 21459), (132, 21468), (144, 21558), (145, 21561), (187, 21756), (200, 21825), (234, 22026), (235, 22029), (239, 22050), (260, 22146), (261, 22149), (263, 22155), (277, 22224), (280, 22242), (282, 22251), (288, 22281), (314, 22377), (319, 22410), (322, 22425), (346, 22566), (356, 22623), (376, 22734), (400, 22887),

Gene: Eurydice_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Eurydice_27:
(24, 19674), (29, 19719), (Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Evamon_31 Start: 25861, Stop: 27627, Start Num: 34
Candidate Starts for Evamon_31:
(28, 25819), (Start: 34 @25861 has 86 MA's), (Start: 39 @25897 has 5 MA's), (Start: 53 @25930 has 7 MA's), (94, 26086), (104, 26140), (105, 26143), (109, 26173), (119, 26239), (122, 26263), (123, 26272), (128, 26305), (156, 26458), (162, 26497), (175, 26548), (177, 26560), (181, 26578), (184, 26590), (186, 26602), (189, 26617), (194, 26647), (195, 26650), (199, 26671), (221, 26743), (227,

26791), (252, 26902), (258, 26935), (267, 26974), (268, 26977), (282, 27049), (300, 27115), (308, 27127), (346, 27298), (347, 27301), (355, 27349), (361, 27376), (365, 27403), (374, 27457), (390, 27574), (395, 27595), (400, 27622),

Gene: EvilGenius_30 Start: 20609, Stop: 22381, Start Num: 50
Candidate Starts for EvilGenius_30:
(Start: 41 @20585 has 10 MA's), (Start: 50 @20609 has 603 MA's), (86, 20708), (100, 20792), (109, 20843), (110, 20846), (121, 20918), (122, 20921), (132, 20975), (138, 21014), (148, 21092), (165, 21179), (185, 21260), (187, 21263), (220, 21449), (235, 21536), (257, 21641), (261, 21656), (286, 21782), (288, 21788), (309, 21836), (311, 21845), (314, 21866), (319, 21899), (322, 21914), (323, 21920), (333, 21974), (338, 22013), (341, 22028), (356, 22112), (376, 22223),

Gene: Expelliarmus_23 Start: 18620, Stop: 20410, Start Num: 50
Candidate Starts for Expelliarmus_23:
(Start: 41 @18596 has 10 MA's), (Start: 50 @18620 has 603 MA's), (84, 18713), (92, 18758), (110, 18857), (117, 18893), (122, 18932), (125, 18947), (131, 18983), (148, 19103), (150, 19109), (176, 19229), (203, 19358), (216, 19430), (234, 19544), (280, 19760), (286, 19793), (314, 19895), (319, 19928), (322, 19943), (327, 19973), (373, 20243), (376, 20252), (377, 20261), (394, 20375),

Gene: ExplosioNervosa_30 Start: 21782, Stop: 23572, Start Num: 50
Candidate Starts for ExplosioNervosa_30:
(Start: 48 @21779 has 8 MA's), (Start: 50 @21782 has 603 MA's), (109, 22016), (110, 22019), (121, 22091), (122, 22094), (125, 22109), (132, 22148), (133, 22154), (148, 22265), (165, 22352), (185, 22433), (187, 22436), (220, 22622), (230, 22685), (235, 22709), (237, 22715), (244, 22748), (261, 22829), (286, 22955), (298, 22997), (314, 23057), (319, 23090), (322, 23105), (338, 23204), (339, 23207), (341, 23219), (356, 23303), (367, 23369), (374, 23408), (376, 23414), (382, 23459), (389, 23516), (390, 23519),

Gene: Eyeball_27 Start: 20895, Stop: 22697, Start Num: 52
Candidate Starts for Eyeball_27:
(Start: 52 @20895 has 230 MA's), (Start: 61 @20916 has 6 MA's), (Start: 71 @20958 has 1 MA's), (85, 21003), (122, 21219), (129, 21264), (132, 21273), (138, 21312), (144, 21363), (145, 21366), (187, 21561), (200, 21630), (234, 21831), (235, 21834), (239, 21855), (260, 21951), (261, 21954), (263, 21960), (277, 22029), (280, 22047), (282, 22056), (288, 22086), (314, 22182), (319, 22215), (322, 22230), (346, 22371), (356, 22428), (376, 22539),

Gene: Eyes_19 Start: 16632, Stop: 18362, Start Num: 45
Candidate Starts for Eyes_19:
(9, 16176), (16, 16299), (18, 16320), (26, 16515), (37, 16599), (Start: 39 @16611 has 5 MA's), (Start: 45 @16632 has 6 MA's), (107, 16869), (112, 16902), (125, 16986), (159, 17187), (165, 17229), (175, 17265), (181, 17295), (186, 17319), (193, 17361), (199, 17388), (218, 17445), (219, 17451), (231, 17538), (297, 17832), (316, 17898), (320, 17922), (323, 17940), (346, 18036), (351, 18054), (377, 18210), (378, 18213), (381, 18225), (388, 18300), (394, 18327),

Gene: Fajezeel_29 Start: 21405, Stop: 23207, Start Num: 52
Candidate Starts for Fajezeel_29:
(Start: 52 @21405 has 230 MA's), (Start: 61 @21426 has 6 MA's), (Start: 71 @21468 has 1 MA's), (85, 21513), (122, 21729), (129, 21774), (132, 21783), (144, 21873), (145, 21876), (187, 22071), (200, 22140), (234, 22341), (235, 22344), (239, 22365), (260, 22461), (261, 22464), (263, 22470), (277, 22539), (280, 22557), (282, 22566), (288, 22596), (314, 22692), (319, 22725), (322, 22740), (346, 22881), (356, 22938), (376, 23049),

Gene: Fameo_28 Start: 20236, Stop: 22008, Start Num: 50

Candidate Starts for Fameo_28:
(32, 20170), (Start: 41 @20212 has 10 MA's), (Start: 50 @20236 has 603 MA's), (109, 20470), (110, 20473), (121, 20545), (122, 20548), (132, 20602), (138, 20641), (143, 20686), (148, 20719), (165, 20806), (185, 20887), (187, 20890), (235, 21163), (261, 21283), (286, 21409), (309, 21463), (311, 21472), (314, 21493), (319, 21526), (322, 21541), (323, 21547), (333, 21601), (338, 21640), (341, 21655), (356, 21739), (376, 21850),

Gene: Farber_29 Start: 20372, Stop: 22168, Start Num: 50
Candidate Starts for Farber_29:
(Start: 50 @20372 has 603 MA's), (Start: 71 @20429 has 1 MA's), (76, 20444), (86, 20477), (88, 20498), (91, 20513), (107, 20600), (109, 20612), (110, 20615), (122, 20690), (125, 20705), (131, 20741), (165, 20948), (191, 21062), (200, 21101), (216, 21188), (234, 21302), (239, 21326), (244, 21344), (261, 21425), (277, 21500), (280, 21518), (286, 21551), (288, 21557), (299, 21596), (313, 21650), (314, 21653), (318, 21674), (327, 21731), (356, 21899), (374, 22004), (376, 22010), (396, 22145),

Gene: Fascinus_26 Start: 20958, Stop: 22760, Start Num: 52
Candidate Starts for Fascinus_26:
(Start: 52 @20958 has 230 MA's), (Start: 61 @20979 has 6 MA's), (Start: 71 @21021 has 1 MA's), (85, 21066), (122, 21282), (129, 21327), (132, 21336), (138, 21375), (144, 21426), (145, 21429), (187, 21624), (200, 21693), (234, 21894), (235, 21897), (239, 21918), (260, 22014), (261, 22017), (263, 22023), (277, 22092), (280, 22110), (282, 22119), (288, 22149), (314, 22245), (319, 22278), (322, 22293), (346, 22434), (356, 22491), (376, 22602),

Gene: FatCactus_26 Start: 18608, Stop: 20407, Start Num: 50
Candidate Starts for FatCactus_26:
(32, 18542), (Start: 41 @18584 has 10 MA's), (Start: 50 @18608 has 603 MA's), (66, 18644), (109, 18842), (110, 18845), (121, 18917), (122, 18920), (132, 18974), (133, 18980), (139, 19031), (148, 19091), (154, 19109), (165, 19178), (183, 19253), (185, 19259), (187, 19262), (216, 19418), (220, 19448), (237, 19541), (244, 19574), (260, 19652), (261, 19655), (286, 19781), (298, 19823), (303, 19841), (313, 19889), (314, 19892), (322, 19940), (338, 20039), (341, 20054), (343, 20069), (356, 20138), (374, 20243), (376, 20249), (383, 20303), (396, 20384),

Gene: Fayely_30 Start: 21782, Stop: 23572, Start Num: 50
Candidate Starts for Fayely_30:
(Start: 48 @21779 has 8 MA's), (Start: 50 @21782 has 603 MA's), (109, 22016), (110, 22019), (121, 22091), (122, 22094), (125, 22109), (132, 22148), (133, 22154), (148, 22265), (165, 22352), (185, 22433), (187, 22436), (220, 22622), (230, 22685), (235, 22709), (237, 22715), (244, 22748), (261, 22829), (286, 22955), (298, 22997), (314, 23057), (319, 23090), (322, 23105), (338, 23204), (339, 23207), (341, 23219), (356, 23303), (367, 23369), (374, 23408), (376, 23414), (382, 23459), (389, 23516), (390, 23519),

Gene: Fenn_28 Start: 22770, Stop: 24572, Start Num: 52
Candidate Starts for Fenn_28:
(Start: 52 @22770 has 230 MA's), (Start: 61 @22791 has 6 MA's), (Start: 71 @22833 has 1 MA's), (85, 22878), (122, 23094), (129, 23139), (132, 23148), (138, 23187), (144, 23238), (145, 23241), (187, 23436), (200, 23505), (210, 23565), (234, 23706), (235, 23709), (239, 23730), (260, 23826), (261, 23829), (263, 23835), (277, 23904), (280, 23922), (282, 23931), (288, 23961), (314, 24057), (319, 24090), (322, 24105), (346, 24246), (356, 24303), (376, 24414),

Gene: Fernando_29 Start: 20378, Stop: 22174, Start Num: 50
Candidate Starts for Fernando_29:

(Start: 50 @20378 has 603 MA's), (Start: 71 @20435 has 1 MA's), (76, 20450), (86, 20483), (88, 20504), (91, 20519), (107, 20606), (109, 20618), (110, 20621), (122, 20696), (125, 20711), (131, 20747), (165, 20954), (191, 21068), (200, 21107), (216, 21194), (234, 21308), (239, 21332), (244, 21350), (261, 21431), (277, 21506), (280, 21524), (286, 21557), (288, 21563), (299, 21602), (313, 21656), (314, 21659), (318, 21680), (327, 21737), (356, 21905), (374, 22010), (376, 22016), (396, 22151),

Gene: Fibonacci_28 Start: 20752, Stop: 22551, Start Num: 50
Candidate Starts for Fibonacci_28:
(32, 20686), (Start: 41 @20728 has 10 MA's), (Start: 50 @20752 has 603 MA's), (68, 20794), (92, 20890), (96, 20905), (109, 20986), (110, 20989), (122, 21064), (125, 21079), (132, 21118), (133, 21124), (148, 21235), (150, 21241), (165, 21322), (187, 21406), (209, 21532), (214, 21550), (219, 21577), (244, 21718), (257, 21784), (260, 21796), (261, 21799), (304, 21988), (311, 22015), (312, 22024), (315, 22045), (316, 22048), (319, 22069), (322, 22084), (326, 22108), (338, 22183), (341, 22198), (356, 22282), (374, 22387), (376, 22393), (383, 22447), (400, 22546),

Gene: Fireball_32 Start: 25984, Stop: 27750, Start Num: 34
Candidate Starts for Fireball_32:
(28, 25942), (Start: 34 @25984 has 86 MA's), (Start: 39 @26020 has 5 MA's), (Start: 53 @26053 has 7 MA's), (104, 26263), (105, 26266), (109, 26296), (119, 26362), (122, 26386), (123, 26395), (128, 26428), (156, 26581), (162, 26620), (175, 26671), (177, 26683), (181, 26701), (184, 26713), (186, 26725), (189, 26740), (194, 26770), (195, 26773), (199, 26794), (221, 26866), (227, 26914), (252, 27025), (258, 27058), (268, 27100), (282, 27172), (300, 27238), (308, 27250), (346, 27421), (347, 27424), (355, 27472), (361, 27499), (365, 27526), (366, 27532), (374, 27580), (390, 27697), (395, 27718),

Gene: FiringLine_28 Start: 20118, Stop: 21890, Start Num: 50
Candidate Starts for FiringLine_28:
(32, 20052), (Start: 41 @20094 has 10 MA's), (Start: 50 @20118 has 603 MA's), (86, 20217), (100, 20301), (109, 20352), (110, 20355), (121, 20427), (122, 20430), (132, 20484), (138, 20523), (143, 20568), (148, 20601), (165, 20688), (185, 20769), (187, 20772), (235, 21045), (261, 21165), (286, 21291), (309, 21345), (319, 21408), (322, 21423), (323, 21429), (333, 21483), (338, 21522), (341, 21537), (343, 21552), (356, 21621), (376, 21732), (396, 21867),

Gene: First_0028 Start: 20226, Stop: 21998, Start Num: 50
Candidate Starts for First_0028:
(Start: 41 @20202 has 10 MA's), (Start: 50 @20226 has 603 MA's), (86, 20325), (109, 20460), (110, 20463), (121, 20535), (122, 20538), (132, 20592), (133, 20598), (138, 20631), (148, 20709), (165, 20796), (185, 20877), (187, 20880), (235, 21153), (257, 21258), (261, 21273), (286, 21399), (288, 21405), (309, 21453), (319, 21516), (322, 21531), (323, 21537), (328, 21567), (333, 21591), (338, 21630), (341, 21645), (356, 21729), (371, 21810),

Gene: Fitzgerald_33 Start: 30900, Stop: 32663, Start Num: 34
Candidate Starts for Fitzgerald_33:
(31, 30882), (Start: 34 @30900 has 86 MA's), (Start: 39 @30936 has 5 MA's), (86, 31074), (102, 31170), (105, 31179), (114, 31248), (122, 31299), (129, 31344), (133, 31359), (144, 31440), (154, 31485), (156, 31494), (162, 31533), (175, 31584), (181, 31614), (185, 31629), (189, 31653), (194, 31683), (223, 31788), (244, 31905), (248, 31923), (252, 31938), (257, 31968), (260, 31980), (261, 31983), (267, 32010), (346, 32334), (347, 32337), (355, 32385), (361, 32412), (365, 32439), (374, 32493), (380, 32520), (398, 32649),

Gene: Flare16_28 Start: 20214, Stop: 21986, Start Num: 50
Candidate Starts for Flare16_28:

(Start: 41 @20190 has 10 MA's), (Start: 50 @20214 has 603 MA's), (91, 20349), (109, 20448), (110, 20451), (121, 20523), (122, 20526), (132, 20580), (133, 20586), (141, 20649), (148, 20697), (157, 20730), (165, 20784), (185, 20865), (187, 20868), (191, 20898), (220, 21054), (235, 21141), (261, 21261), (285, 21384), (286, 21387), (288, 21393), (309, 21441), (319, 21504), (322, 21519), (323, 21525), (333, 21579), (338, 21618), (341, 21633), (348, 21666), (374, 21822), (376, 21828), (383, 21882),

Gene: Flatwoods_35 Start: 29836, Stop: 31599, Start Num: 34
Candidate Starts for Flatwoods_35:
(Start: 34 @29836 has 86 MA's), (Start: 39 @29872 has 5 MA's), (83, 30001), (86, 30010), (102, 30106), (105, 30115), (114, 30184), (122, 30235), (123, 30244), (129, 30280), (133, 30295), (135, 30313), (144, 30376), (154, 30421), (156, 30430), (179, 30541), (181, 30550), (185, 30565), (186, 30574), (189, 30589), (194, 30619), (244, 30841), (248, 30859), (252, 30874), (260, 30916), (261, 30919), (267, 30946), (294, 31066), (346, 31270), (347, 31273), (355, 31321), (361, 31348), (365, 31375), (374, 31429), (380, 31456),

Gene: Flaverint_28 Start: 20749, Stop: 22548, Start Num: 50
Candidate Starts for Flaverint_28:
(32, 20683), (Start: 41 @20725 has 10 MA's), (Start: 50 @20749 has 603 MA's), (68, 20791), (92, 20887), (96, 20902), (109, 20983), (110, 20986), (122, 21061), (125, 21076), (132, 21115), (133, 21121), (148, 21232), (150, 21238), (165, 21319), (187, 21403), (209, 21529), (214, 21547), (219, 21574), (244, 21715), (257, 21781), (260, 21793), (261, 21796), (304, 21985), (311, 22012), (312, 22021), (315, 22042), (316, 22045), (319, 22066), (322, 22081), (326, 22105), (338, 22180), (341, 22195), (356, 22279), (374, 22384), (376, 22390), (383, 22444), (400, 22543),

Gene: Florean_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Florean_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Florence1_24 Start: 19446, Stop: 21245, Start Num: 50
Candidate Starts for Florence1_24:
(Start: 50 @19446 has 603 MA's), (87, 19551), (92, 19584), (110, 19683), (122, 19758), (125, 19773), (131, 19809), (141, 19881), (143, 19896), (148, 19929), (150, 19935), (197, 20160), (199, 20166), (216, 20256), (232, 20361), (234, 20370), (244, 20412), (249, 20430), (260, 20490), (261, 20493), (277, 20568), (280, 20586), (282, 20595), (313, 20727), (319, 20763), (356, 20976), (373, 21078), (376, 21087), (392, 21201), (396, 21222), (398, 21231),

Gene: Florence4_25 Start: 19446, Stop: 21245, Start Num: 50
Candidate Starts for Florence4_25:
(Start: 50 @19446 has 603 MA's), (87, 19551), (92, 19584), (110, 19683), (122, 19758), (125, 19773), (131, 19809), (141, 19881), (143, 19896), (148, 19929), (150, 19935), (197, 20160), (199, 20166), (216, 20256), (232, 20361), (234, 20370), (244, 20412), (249, 20430), (260, 20490), (261, 20493), (277, 20568), (280, 20586), (282, 20595), (313, 20727), (319, 20763), (356, 20976), (373, 21078), (376, 21087), (392, 21201), (396, 21222), (398, 21231),

Gene: Flux_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Flux_27:

(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: FlyCatcher_31 Start: 22924, Stop: 24726, Start Num: 50
Candidate Starts for FlyCatcher_31:
(Start: 43 @22912 has 2 MA's), (Start: 50 @22924 has 603 MA's), (Start: 71 @22972 has 1 MA's), (77, 22990), (109, 23155), (110, 23158), (122, 23233), (125, 23248), (132, 23287), (150, 23410), (152, 23416), (159, 23449), (165, 23491), (197, 23635), (221, 23761), (234, 23842), (244, 23884), (254, 23932), (260, 23980), (261, 23983), (277, 24058), (280, 24076), (282, 24085), (286, 24109), (288, 24115), (313, 24208), (314, 24211), (319, 24244), (322, 24259), (346, 24400), (371, 24538), (374, 24562), (376, 24568), (390, 24673),

Gene: ForGetIt_24 Start: 19589, Stop: 21388, Start Num: 50
Candidate Starts for ForGetIt_24:
(Start: 50 @19589 has 603 MA's), (92, 19727), (110, 19826), (122, 19901), (131, 19952), (141, 20024), (143, 20039), (148, 20072), (150, 20078), (169, 20171), (191, 20273), (197, 20303), (199, 20309), (216, 20399), (220, 20429), (231, 20501), (234, 20513), (235, 20516), (244, 20555), (249, 20573), (260, 20633), (261, 20636), (273, 20687), (280, 20729), (313, 20870), (321, 20912), (376, 21230), (396, 21365),

Gene: ForesterFrank_30 Start: 21661, Stop: 23457, Start Num: 41
Candidate Starts for ForesterFrank_30:
(Start: 41 @21661 has 10 MA's), (Start: 50 @21685 has 603 MA's), (100, 21868), (109, 21919), (110, 21922), (121, 21994), (122, 21997), (132, 22051), (133, 22057), (138, 22090), (148, 22168), (150, 22174), (154, 22186), (165, 22255), (185, 22336), (187, 22339), (191, 22369), (220, 22525), (235, 22612), (244, 22651), (261, 22732), (286, 22858), (288, 22864), (318, 22963), (319, 22975), (322, 22990), (323, 22996), (333, 23050), (341, 23104), (348, 23137), (356, 23188), (374, 23293), (376, 23299),

Gene: Forsytheast_26 Start: 21094, Stop: 22896, Start Num: 52
Candidate Starts for Forsytheast_26:
(Start: 52 @21094 has 230 MA's), (Start: 61 @21115 has 6 MA's), (Start: 71 @21157 has 1 MA's), (85, 21202), (122, 21418), (129, 21463), (132, 21472), (138, 21511), (144, 21562), (145, 21565), (187, 21760), (200, 21829), (234, 22030), (235, 22033), (239, 22054), (260, 22150), (261, 22153), (263, 22159), (277, 22228), (280, 22246), (282, 22255), (288, 22285), (314, 22381), (319, 22414), (322, 22429), (327, 22459), (346, 22570), (356, 22627), (376, 22738),

Gene: Fosterous_33 Start: 30742, Stop: 32505, Start Num: 34
Candidate Starts for Fosterous_33:
(31, 30724), (Start: 34 @30742 has 86 MA's), (Start: 39 @30778 has 5 MA's), (86, 30916), (102, 31012), (105, 31021), (114, 31090), (122, 31141), (129, 31186), (133, 31201), (144, 31282), (154, 31327), (156, 31336), (175, 31426), (181, 31456), (185, 31471), (189, 31495), (194, 31525), (244, 31747), (248, 31765), (252, 31780), (257, 31810), (260, 31822), (261, 31825), (267, 31852), (345, 32173), (346, 32176), (347, 32179), (355, 32227), (361, 32254), (365, 32281), (374, 32335), (379, 32359), (380, 32362), (390, 32452), (400, 32500),

Gene: Francis47_27 Start: 21642, Stop: 23444, Start Num: 52
Candidate Starts for Francis47_27:

(Start: 52 @21642 has 230 MA's), (Start: 61 @21663 has 6 MA's), (Start: 71 @21705 has 1 MA's), (85, 21750), (122, 21966), (129, 22011), (132, 22020), (144, 22110), (145, 22113), (148, 22137), (187, 22308), (200, 22377), (234, 22578), (235, 22581), (239, 22602), (260, 22698), (261, 22701), (263, 22707), (277, 22776), (280, 22794), (282, 22803), (288, 22833), (314, 22929), (319, 22962), (322, 22977), (346, 23118), (356, 23175), (376, 23286),

Gene: Fred313_27 Start: 19652, Stop: 21451, Start Num: 50
Candidate Starts for Fred313_27:
(Start: 50 @19652 has 603 MA's), (Start: 71 @19712 has 1 MA's), (88, 19781), (107, 19883), (109, 19895), (110, 19898), (122, 19973), (125, 19988), (126, 19991), (132, 20027), (154, 20162), (165, 20231), (191, 20345), (216, 20471), (234, 20585), (239, 20609), (242, 20621), (244, 20627), (261, 20708), (277, 20783), (280, 20801), (282, 20810), (286, 20834), (288, 20840), (291, 20855), (307, 20897), (312, 20924), (313, 20933), (314, 20936), (318, 20957), (319, 20969), (356, 21182), (374, 21287), (376, 21293), (396, 21428),

Gene: Fribs8_19 Start: 16521, Stop: 18215, Start Num: 49
Candidate Starts for Fribs8_19:
(Start: 49 @16521 has 37 MA's), (Start: 55 @16533 has 1 MA's), (87, 16635), (115, 16806), (116, 16809), (122, 16854), (129, 16899), (138, 16947), (143, 16992), (162, 17094), (171, 17127), (172, 17139), (174, 17142), (186, 17199), (191, 17232), (195, 17247), (201, 17274), (206, 17313), (222, 17355), (224, 17364), (229, 17409), (234, 17433), (242, 17472), (260, 17553), (265, 17571), (267, 17580), (269, 17589), (280, 17646), (282, 17655), (322, 17787), (323, 17793), (332, 17814), (345, 17886), (346, 17889), (364, 17985), (367, 18012), (369, 18021), (370, 18024), (376, 18054), (385, 18117),

Gene: Frickyeah_20 Start: 16428, Stop: 18125, Start Num: 49
Candidate Starts for Frickyeah_20:
(37, 16389), (Start: 49 @16428 has 37 MA's), (Start: 55 @16440 has 1 MA's), (79, 16518), (86, 16539), (94, 16587), (97, 16596), (103, 16638), (109, 16674), (118, 16731), (120, 16752), (125, 16779), (128, 16806), (152, 16947), (162, 17004), (169, 17031), (171, 17037), (181, 17085), (188, 17115), (193, 17151), (199, 17178), (200, 17181), (208, 17232), (221, 17259), (222, 17262), (226, 17289), (229, 17316), (246, 17388), (254, 17427), (268, 17481), (276, 17523), (293, 17598), (315, 17661), (320, 17688), (323, 17706), (343, 17790), (345, 17799), (346, 17802), (348, 17808), (352, 17823), (355, 17853), (356, 17859), (361, 17880), (362, 17883), (370, 17937), (376, 17967), (377, 17976), (384, 18027), (387, 18060), (390, 18072), (394, 18090),

Gene: Froghopper_28 Start: 21057, Stop: 22859, Start Num: 52
Candidate Starts for Froghopper_28:
(Start: 52 @21057 has 230 MA's), (Start: 61 @21078 has 6 MA's), (Start: 71 @21120 has 1 MA's), (85, 21165), (122, 21381), (129, 21426), (132, 21435), (138, 21474), (144, 21525), (145, 21528), (162, 21621), (187, 21723), (200, 21792), (234, 21993), (235, 21996), (239, 22017), (260, 22113), (261, 22116), (263, 22122), (277, 22191), (280, 22209), (282, 22218), (288, 22248), (314, 22344), (319, 22377), (322, 22392), (346, 22533), (356, 22590), (376, 22701),

Gene: Fryberger_53 Start: 27936, Stop: 29621, Start Num: 44
Candidate Starts for Fryberger_53:
(20, 27744), (21, 27753), (22, 27759), (30, 27861), (35, 27891), (Start: 44 @27936 has 6 MA's), (90, 28077), (117, 28236), (125, 28290), (148, 28446), (170, 28545), (181, 28593), (191, 28650), (195, 28665), (220, 28755), (247, 28893), (260, 28956), (280, 29052), (292, 29103), (294, 29106), (306, 29118), (322, 29193), (325, 29208), (345, 29292), (361, 29373), (395, 29589), (398, 29607),

Gene: FuegoCuervo_37 Start: 29287, Stop: 31050, Start Num: 34
Candidate Starts for FuegoCuervo_37:

(31, 29269), (Start: 34 @29287 has 86 MA's), (Start: 39 @29323 has 5 MA's), (86, 29461), (102, 29557), (105, 29566), (114, 29635), (122, 29686), (129, 29731), (133, 29746), (144, 29827), (154, 29872), (156, 29881), (175, 29971), (181, 30001), (185, 30016), (189, 30040), (194, 30070), (223, 30175), (244, 30292), (248, 30310), (252, 30325), (257, 30355), (260, 30367), (261, 30370), (267, 30397), (345, 30718), (346, 30721), (347, 30724), (355, 30772), (361, 30799), (365, 30826), (374, 30880), (380, 30907), (398, 31036),

Gene: Fugax_33 Start: 26575, Stop: 28341, Start Num: 34
Candidate Starts for Fugax_33:
(28, 26533), (Start: 34 @26575 has 86 MA's), (Start: 39 @26611 has 5 MA's), (Start: 53 @26644 has 7 MA's), (104, 26854), (105, 26857), (109, 26887), (119, 26953), (122, 26977), (123, 26986), (128, 27019), (156, 27172), (162, 27211), (175, 27262), (177, 27274), (181, 27292), (184, 27304), (186, 27316), (189, 27331), (194, 27361), (195, 27364), (199, 27385), (221, 27457), (227, 27505), (252, 27616), (258, 27649), (268, 27691), (282, 27763), (300, 27829), (308, 27841), (346, 28012), (347, 28015), (355, 28063), (361, 28090), (365, 28117), (374, 28171), (390, 28288), (395, 28309), (400, 28336),

Gene: Funston_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Funston_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Fushigi_28 Start: 21514, Stop: 23316, Start Num: 52
Candidate Starts for Fushigi_28:
(Start: 52 @21514 has 230 MA's), (Start: 61 @21535 has 6 MA's), (Start: 71 @21577 has 1 MA's), (85, 21622), (122, 21838), (129, 21883), (132, 21892), (138, 21931), (144, 21982), (145, 21985), (150, 22015), (187, 22180), (200, 22249), (234, 22450), (235, 22453), (239, 22474), (260, 22570), (261, 22573), (263, 22579), (277, 22648), (280, 22666), (282, 22675), (288, 22705), (314, 22801), (319, 22834), (322, 22849), (346, 22990), (356, 23047), (376, 23158),

Gene: GEazy_19 Start: 16647, Stop: 18377, Start Num: 47
Candidate Starts for GEazy_19:
(26, 16527), (37, 16611), (Start: 47 @16647 has 5 MA's), (87, 16767), (101, 16851), (107, 16884), (112, 16917), (125, 17001), (159, 17202), (165, 17244), (175, 17280), (181, 17310), (186, 17334), (193, 17376), (199, 17403), (200, 17406), (218, 17460), (219, 17466), (231, 17553), (316, 17913), (320, 17937), (323, 17955), (346, 18051), (351, 18069), (378, 18228), (388, 18315), (394, 18342),

Gene: GMonster_26 Start: 20476, Stop: 22278, Start Num: 52
Candidate Starts for GMonster_26:
(Start: 52 @20476 has 230 MA's), (Start: 61 @20497 has 6 MA's), (Start: 71 @20539 has 1 MA's), (85, 20584), (122, 20800), (129, 20845), (132, 20854), (144, 20944), (145, 20947), (148, 20971), (162, 21040), (187, 21142), (200, 21211), (231, 21400), (234, 21412), (235, 21415), (239, 21436), (260, 21532), (261, 21535), (263, 21541), (277, 21610), (280, 21628), (282, 21637), (288, 21667), (314, 21763), (319, 21796), (322, 21811), (346, 21952), (356, 22009), (376, 22120),

Gene: Gachnar_27 Start: 21116, Stop: 22918, Start Num: 52
Candidate Starts for Gachnar_27:
(Start: 52 @21116 has 230 MA's), (Start: 61 @21137 has 6 MA's), (Start: 71 @21179 has 1 MA's), (85, 21224), (122, 21440), (129, 21485), (132, 21494), (138, 21533), (144, 21584), (145, 21587), (187,

21782), (200, 21851), (234, 22052), (235, 22055), (239, 22076), (260, 22172), (261, 22175), (263, 22181), (277, 22250), (280, 22268), (282, 22277), (288, 22307), (314, 22403), (319, 22436), (322, 22451), (346, 22592), (356, 22649), (376, 22760),

Gene: Gadost_27 Start: 19831, Stop: 21609, Start Num: 50
Candidate Starts for Gadost_27:
(Start: 41 @19807 has 10 MA's), (Start: 50 @19831 has 603 MA's), (Start: 71 @19888 has 1 MA's), (87, 19942), (88, 19957), (92, 19975), (107, 20059), (109, 20071), (110, 20074), (122, 20149), (125, 20164), (132, 20203), (148, 20320), (165, 20407), (185, 20488), (195, 20536), (200, 20560), (216, 20647), (224, 20692), (235, 20764), (239, 20785), (244, 20803), (261, 20884), (280, 20977), (282, 20986), (286, 21010), (288, 21016), (295, 21040), (314, 21094), (318, 21115), (326, 21166), (330, 21190), (339, 21244), (356, 21340), (374, 21445), (377, 21460), (393, 21568), (396, 21586),

Gene: Gaea_34 Start: 29484, Stop: 31247, Start Num: 34
Candidate Starts for Gaea_34:
(Start: 34 @29484 has 86 MA's), (Start: 39 @29520 has 5 MA's), (83, 29649), (86, 29658), (102, 29754), (105, 29763), (114, 29832), (122, 29883), (123, 29892), (129, 29928), (133, 29943), (135, 29961), (144, 30024), (154, 30069), (156, 30078), (181, 30198), (185, 30213), (186, 30222), (189, 30237), (194, 30267), (244, 30489), (248, 30507), (252, 30522), (260, 30564), (261, 30567), (267, 30594), (294, 30714), (321, 30807), (346, 30918), (347, 30921), (355, 30969), (361, 30996), (365, 31023), (374, 31077), (380, 31104),

Gene: GageAP_29 Start: 21828, Stop: 23630, Start Num: 52
Candidate Starts for GageAP_29:
(Start: 52 @21828 has 230 MA's), (Start: 61 @21849 has 6 MA's), (Start: 71 @21891 has 1 MA's), (85, 21936), (122, 22152), (129, 22197), (132, 22206), (138, 22245), (144, 22296), (145, 22299), (187, 22494), (200, 22563), (234, 22764), (235, 22767), (239, 22788), (260, 22884), (261, 22887), (263, 22893), (277, 22962), (280, 22980), (282, 22989), (288, 23019), (314, 23115), (319, 23148), (322, 23163), (346, 23304), (356, 23361), (376, 23472), (400, 23625),

Gene: Gail_28 Start: 19405, Stop: 21204, Start Num: 50
Candidate Starts for Gail_28:
(Start: 48 @19402 has 8 MA's), (Start: 50 @19405 has 603 MA's), (91, 19540), (105, 19609), (110, 19642), (121, 19714), (122, 19717), (126, 19735), (133, 19777), (148, 19888), (154, 19906), (159, 19933), (161, 19942), (165, 19975), (183, 20050), (185, 20056), (187, 20059), (197, 20119), (217, 20221), (221, 20248), (230, 20308), (235, 20332), (244, 20371), (261, 20452), (307, 20650), (322, 20737), (323, 20743), (338, 20836), (374, 21040), (376, 21046),

Gene: Galadriel_35 Start: 31231, Stop: 32994, Start Num: 34
Candidate Starts for Galadriel_35:
(31, 31213), (Start: 34 @31231 has 86 MA's), (Start: 39 @31267 has 5 MA's), (86, 31405), (102, 31501), (105, 31510), (114, 31579), (122, 31630), (129, 31675), (133, 31690), (144, 31771), (154, 31816), (156, 31825), (175, 31915), (181, 31945), (185, 31960), (189, 31984), (194, 32014), (223, 32119), (244, 32236), (248, 32254), (252, 32269), (257, 32299), (260, 32311), (261, 32314), (267, 32341), (346, 32665), (347, 32668), (355, 32716), (361, 32743), (365, 32770), (374, 32824), (379, 32848), (380, 32851), (390, 32941), (400, 32989),

Gene: Gandalf20_28 Start: 21933, Stop: 23735, Start Num: 52
Candidate Starts for Gandalf20_28:
(Start: 52 @21933 has 230 MA's), (Start: 61 @21954 has 6 MA's), (Start: 71 @21996 has 1 MA's), (85, 22041), (122, 22257), (129, 22302), (132, 22311), (138, 22350), (144, 22401), (145, 22404), (187, 22599), (200, 22668), (234, 22869), (235, 22872), (239, 22893), (260, 22989), (261, 22992), (263, 22998), (277, 23067), (280, 23085), (282, 23094), (288, 23124), (314, 23220), (319, 23253), (322,

23268), (346, 23409), (356, 23466), (376, 23577),

Gene: Garak_32 Start: 19977, Stop: 21749, Start Num: 50
Candidate Starts for Garak_32:
(32, 19911), (Start: 41 @19953 has 10 MA's), (Start: 50 @19977 has 603 MA's), (110, 20214), (121, 20286), (122, 20289), (125, 20304), (132, 20343), (133, 20349), (148, 20460), (150, 20466), (159, 20505), (165, 20547), (176, 20586), (185, 20628), (187, 20631), (216, 20787), (240, 20928), (244, 20943), (288, 21156), (318, 21255), (322, 21282), (331, 21333), (333, 21342), (338, 21381), (339, 21384), (374, 21585), (376, 21591), (396, 21726),

Gene: GaugeLDP_30 Start: 21466, Stop: 23238, Start Num: 50
Candidate Starts for GaugeLDP_30:
(Start: 41 @21442 has 10 MA's), (Start: 50 @21466 has 603 MA's), (91, 21601), (109, 21700), (110, 21703), (122, 21778), (126, 21796), (132, 21832), (133, 21838), (139, 21889), (148, 21949), (159, 21994), (165, 22036), (180, 22096), (185, 22117), (187, 22120), (216, 22276), (234, 22390), (235, 22393), (261, 22513), (286, 22639), (288, 22645), (316, 22735), (318, 22744), (322, 22771), (326, 22795), (338, 22870), (339, 22873), (341, 22885), (356, 22969), (371, 23050), (374, 23074), (376, 23080), (383, 23134), (396, 23215),

Gene: Gemma_29 Start: 20456, Stop: 22252, Start Num: 50
Candidate Starts for Gemma_29:
(Start: 50 @20456 has 603 MA's), (Start: 71 @20513 has 1 MA's), (76, 20528), (88, 20582), (91, 20597), (107, 20684), (109, 20696), (110, 20699), (122, 20774), (125, 20789), (165, 21032), (200, 21185), (216, 21272), (230, 21365), (234, 21386), (239, 21410), (242, 21422), (244, 21428), (261, 21509), (277, 21584), (280, 21602), (282, 21611), (286, 21635), (288, 21641), (291, 21656), (299, 21680), (313, 21734), (314, 21737), (318, 21758), (374, 22088), (376, 22094), (396, 22229),

Gene: Geodirt_32 Start: 30217, Stop: 31980, Start Num: 34
Candidate Starts for Geodirt_32:
(31, 30199), (Start: 34 @30217 has 86 MA's), (Start: 39 @30253 has 5 MA's), (86, 30391), (102, 30487), (105, 30496), (114, 30565), (122, 30616), (129, 30661), (133, 30676), (144, 30757), (154, 30802), (156, 30811), (175, 30901), (181, 30931), (185, 30946), (189, 30970), (194, 31000), (223, 31105), (244, 31222), (248, 31240), (252, 31255), (257, 31285), (260, 31297), (261, 31300), (267, 31327), (346, 31651), (347, 31654), (355, 31702), (361, 31729), (365, 31756), (374, 31810), (380, 31837), (400, 31975),

Gene: George_23 Start: 19658, Stop: 21454, Start Num: 50
Candidate Starts for George_23:
(Start: 50 @19658 has 603 MA's), (87, 19763), (92, 19796), (110, 19895), (122, 19970), (125, 19985), (131, 20021), (141, 20093), (143, 20108), (150, 20147), (157, 20174), (161, 20195), (167, 20234), (191, 20342), (197, 20372), (199, 20378), (224, 20513), (231, 20570), (232, 20573), (234, 20582), (244, 20624), (249, 20642), (260, 20702), (261, 20705), (280, 20798), (282, 20807), (286, 20831), (313, 20939), (319, 20975), (356, 21185), (373, 21287), (376, 21296), (392, 21410), (396, 21431), (398, 21440),

Gene: Georgie2_29 Start: 20109, Stop: 21881, Start Num: 50
Candidate Starts for Georgie2_29:
(32, 20043), (Start: 41 @20085 has 10 MA's), (Start: 50 @20109 has 603 MA's), (86, 20208), (100, 20292), (109, 20343), (110, 20346), (121, 20418), (122, 20421), (132, 20475), (138, 20514), (143, 20559), (148, 20592), (165, 20679), (185, 20760), (187, 20763), (235, 21036), (261, 21156), (286, 21282), (309, 21336), (319, 21399), (322, 21414), (323, 21420), (333, 21474), (338, 21513), (341, 21528), (356, 21612), (376, 21723), (396, 21858),

Gene: Getalong_21 Start: 17225, Stop: 18922, Start Num: 49
Candidate Starts for Getalong_21:
(37, 17186), (Start: 49 @17225 has 37 MA's), (Start: 55 @17237 has 1 MA's), (57, 17240), (67, 17276), (79, 17315), (86, 17336), (93, 17378), (94, 17384), (95, 17387), (99, 17399), (103, 17435), (109, 17471), (118, 17528), (125, 17576), (128, 17603), (144, 17705), (152, 17744), (162, 17801), (165, 17819), (169, 17828), (171, 17834), (181, 17882), (188, 17912), (193, 17948), (195, 17954), (199, 17975), (200, 17978), (208, 18029), (221, 18056), (222, 18059), (226, 18086), (229, 18113), (246, 18185), (254, 18224), (268, 18278), (282, 18350), (293, 18395), (320, 18485), (323, 18503), (343, 18587), (345, 18596), (346, 18599), (348, 18605), (352, 18620), (355, 18650), (356, 18656), (361, 18677), (362, 18680), (370, 18734), (376, 18764), (377, 18773), (384, 18824), (387, 18857), (390, 18869), (394, 18887),

Gene: Gezellig_31 Start: 25993, Stop: 27759, Start Num: 34
Candidate Starts for Gezellig_31:
(28, 25951), (Start: 34 @25993 has 86 MA's), (Start: 39 @26029 has 5 MA's), (Start: 53 @26062 has 7 MA's), (104, 26272), (105, 26275), (109, 26305), (119, 26371), (122, 26395), (123, 26404), (128, 26437), (156, 26590), (162, 26629), (175, 26680), (177, 26692), (181, 26710), (184, 26722), (186, 26734), (189, 26749), (194, 26779), (195, 26782), (199, 26803), (221, 26875), (227, 26923), (252, 27034), (258, 27067), (267, 27106), (268, 27109), (282, 27181), (300, 27247), (308, 27259), (346, 27430), (347, 27433), (355, 27481), (361, 27508), (365, 27535), (374, 27589), (390, 27706), (395, 27727), (400, 27754),

Gene: Ghoulboy_24 Start: 19904, Stop: 21703, Start Num: 50
Candidate Starts for Ghoulboy_24:
(Start: 50 @19904 has 603 MA's), (92, 20042), (110, 20141), (122, 20216), (131, 20267), (141, 20339), (143, 20354), (148, 20387), (150, 20393), (169, 20486), (191, 20588), (197, 20618), (199, 20624), (216, 20714), (220, 20744), (234, 20828), (235, 20831), (244, 20870), (249, 20888), (260, 20948), (261, 20951), (280, 21044), (313, 21185), (321, 21227), (376, 21545), (396, 21680), (398, 21689),

Gene: GiKK_21 Start: 15090, Stop: 16778, Start Num: 49
Candidate Starts for GiKK_21:
(10, 14670), (37, 15060), (Start: 43 @15087 has 2 MA's), (Start: 49 @15090 has 37 MA's), (91, 15231), (109, 15330), (116, 15375), (143, 15558), (147, 15588), (158, 15630), (162, 15660), (171, 15690), (172, 15702), (174, 15705), (191, 15795), (204, 15861), (206, 15876), (220, 15912), (224, 15927), (226, 15945), (231, 15984), (233, 15990), (253, 16074), (259, 16110), (260, 16113), (261, 16116), (265, 16131), (269, 16149), (270, 16152), (280, 16206), (320, 16335), (322, 16347), (325, 16362), (332, 16374), (345, 16446), (346, 16449), (347, 16452), (364, 16548), (376, 16617), (377, 16626), (394, 16743), (398, 16764), (399, 16770),

Gene: Gilberta_28 Start: 20746, Stop: 22545, Start Num: 50
Candidate Starts for Gilberta_28:
(32, 20680), (Start: 41 @20722 has 10 MA's), (Start: 50 @20746 has 603 MA's), (68, 20788), (92, 20884), (96, 20899), (109, 20980), (110, 20983), (121, 21055), (122, 21058), (125, 21073), (132, 21112), (133, 21118), (148, 21229), (150, 21235), (165, 21316), (187, 21400), (209, 21526), (214, 21544), (219, 21571), (244, 21712), (257, 21778), (260, 21790), (261, 21793), (304, 21982), (311, 22009), (312, 22018), (315, 22039), (316, 22042), (319, 22063), (322, 22078), (326, 22102), (338, 22177), (341, 22192), (356, 22276), (374, 22381), (376, 22387), (383, 22441), (400, 22540),

Gene: GingkoMaracino_29 Start: 20265, Stop: 22061, Start Num: 50
Candidate Starts for GingkoMaracino_29:
(Start: 50 @20265 has 603 MA's), (Start: 71 @20322 has 1 MA's), (76, 20337), (86, 20370), (88, 20391), (91, 20406), (107, 20493), (109, 20505), (110, 20508), (122, 20583), (125, 20598), (131, 20634), (165, 20841), (191, 20955), (200, 20994), (216, 21081), (234, 21195), (239, 21219), (244,

21237), (261, 21318), (277, 21393), (280, 21411), (286, 21444), (288, 21450), (299, 21489), (313, 21543), (314, 21546), (318, 21567), (327, 21624), (356, 21792), (374, 21897), (376, 21903), (396, 22038),

Gene: Giroux_28 Start: 19904, Stop: 21700, Start Num: 50
Candidate Starts for Giroux_28:
(Start: 50 @19904 has 603 MA's), (Start: 71 @19961 has 1 MA's), (88, 20030), (107, 20132), (109, 20144), (110, 20147), (122, 20222), (125, 20237), (132, 20276), (154, 20411), (165, 20480), (191, 20594), (216, 20720), (234, 20834), (239, 20858), (244, 20876), (261, 20957), (277, 21032), (280, 21050), (282, 21059), (286, 21083), (288, 21089), (291, 21104), (304, 21137), (313, 21182), (314, 21185), (318, 21206), (319, 21218), (321, 21224), (330, 21281), (356, 21431), (362, 21455), (374, 21536), (376, 21542), (396, 21677),

Gene: Gladiator_31 Start: 19963, Stop: 21735, Start Num: 50
Candidate Starts for Gladiator_31:
(32, 19897), (Start: 41 @19939 has 10 MA's), (Start: 50 @19963 has 603 MA's), (110, 20200), (121, 20272), (122, 20275), (125, 20290), (132, 20329), (133, 20335), (148, 20446), (150, 20452), (159, 20491), (165, 20533), (176, 20572), (185, 20614), (187, 20617), (216, 20773), (240, 20914), (244, 20929), (288, 21142), (318, 21241), (322, 21268), (331, 21319), (333, 21328), (338, 21367), (339, 21370), (356, 21466), (374, 21571), (376, 21577), (396, 21712),

Gene: Gollum_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Gollum_23:
(Start: 60 @16334 has 3 MA's), (Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Gompeii16_27 Start: 21590, Stop: 23392, Start Num: 52
Candidate Starts for Gompeii16_27:
(Start: 52 @21590 has 230 MA's), (Start: 61 @21611 has 6 MA's), (Start: 71 @21653 has 1 MA's), (85, 21698), (122, 21914), (129, 21959), (132, 21968), (144, 22058), (145, 22061), (148, 22085), (187, 22256), (200, 22325), (234, 22526), (235, 22529), (239, 22550), (260, 22646), (261, 22649), (263, 22655), (277, 22724), (280, 22742), (282, 22751), (288, 22781), (314, 22877), (319, 22910), (322, 22925), (346, 23066), (356, 23123), (376, 23234),

Gene: Goose_27 Start: 19786, Stop: 21564, Start Num: 50
Candidate Starts for Goose_27:
(Start: 41 @19762 has 10 MA's), (Start: 50 @19786 has 603 MA's), (Start: 71 @19843 has 1 MA's), (76, 19858), (88, 19912), (107, 20014), (109, 20026), (110, 20029), (122, 20104), (125, 20119), (132, 20158), (148, 20275), (154, 20293), (165, 20362), (183, 20437), (191, 20476), (200, 20515), (216, 20602), (220, 20632), (224, 20647), (230, 20695), (239, 20740), (242, 20752), (244, 20758), (260, 20836), (261, 20839), (280, 20932), (282, 20941), (286, 20965), (288, 20971), (291, 20986), (309, 21019), (318, 21070), (321, 21088), (327, 21127), (328, 21133), (346, 21238), (356, 21295), (362, 21319), (363, 21325), (374, 21400), (376, 21406), (377, 21415), (396, 21541),

Gene: Goose1D_27 Start: 19162, Stop: 20961, Start Num: 50
Candidate Starts for Goose1D_27:
(Start: 50 @19162 has 603 MA's), (Start: 71 @19222 has 1 MA's), (88, 19291), (107, 19393), (109, 19405), (110, 19408), (122, 19483), (125, 19498), (126, 19501), (132, 19537), (154, 19672), (165, 19741), (191, 19855), (216, 19981), (234, 20095), (239, 20119), (242, 20131), (244, 20137), (261, 20218), (277, 20293), (280, 20311), (282, 20320), (286, 20344), (288, 20350), (291, 20365), (307,

20407), (312, 20434), (313, 20443), (314, 20446), (318, 20467), (319, 20479), (356, 20692), (374, 20797), (376, 20803), (396, 20938),

Gene: Goose1X_27 Start: 19234, Stop: 21033, Start Num: 50
Candidate Starts for Goose1X_27:
(Start: 50 @19234 has 603 MA's), (Start: 71 @19294 has 1 MA's), (88, 19363), (107, 19465), (109, 19477), (110, 19480), (122, 19555), (125, 19570), (126, 19573), (132, 19609), (154, 19744), (165, 19813), (191, 19927), (216, 20053), (234, 20167), (239, 20191), (242, 20203), (244, 20209), (261, 20290), (277, 20365), (280, 20383), (282, 20392), (286, 20416), (288, 20422), (291, 20437), (307, 20479), (312, 20506), (313, 20515), (314, 20518), (318, 20539), (319, 20551), (356, 20764), (374, 20869), (376, 20875), (396, 21010),

Gene: Graduation_29 Start: 21859, Stop: 23661, Start Num: 52
Candidate Starts for Graduation_29:
(Start: 52 @21859 has 230 MA's), (Start: 61 @21880 has 6 MA's), (Start: 71 @21922 has 1 MA's), (85, 21967), (122, 22183), (129, 22228), (132, 22237), (138, 22276), (144, 22327), (145, 22330), (187, 22525), (200, 22594), (234, 22795), (235, 22798), (239, 22819), (260, 22915), (261, 22918), (263, 22924), (277, 22993), (280, 23011), (282, 23020), (288, 23050), (314, 23146), (319, 23179), (322, 23194), (346, 23335), (356, 23392),

Gene: Gratitude_30 Start: 20632, Stop: 22428, Start Num: 41
Candidate Starts for Gratitude_30:
(Start: 41 @20632 has 10 MA's), (Start: 50 @20656 has 603 MA's), (91, 20791), (109, 20890), (110, 20893), (121, 20965), (122, 20968), (132, 21022), (133, 21028), (141, 21091), (148, 21139), (157, 21172), (165, 21226), (185, 21307), (187, 21310), (191, 21340), (220, 21496), (235, 21583), (261, 21703), (285, 21826), (286, 21829), (288, 21835), (309, 21883), (319, 21946), (322, 21961), (323, 21967), (333, 22021), (338, 22060), (341, 22075), (348, 22108), (355, 22153), (374, 22264), (376, 22270), (383, 22324),

Gene: GrecoEtereo_29 Start: 21899, Stop: 23701, Start Num: 52
Candidate Starts for GrecoEtereo_29:
(Start: 52 @21899 has 230 MA's), (Start: 61 @21920 has 6 MA's), (Start: 71 @21962 has 1 MA's), (85, 22007), (122, 22223), (129, 22268), (132, 22277), (138, 22316), (144, 22367), (145, 22370), (187, 22565), (200, 22634), (234, 22835), (235, 22838), (239, 22859), (260, 22955), (261, 22958), (263, 22964), (277, 23033), (280, 23051), (282, 23060), (288, 23090), (314, 23186), (319, 23219), (322, 23234), (346, 23375), (356, 23432), (376, 23543),

Gene: GreedyLawyer_31 Start: 19976, Stop: 21748, Start Num: 50
Candidate Starts for GreedyLawyer_31:
(32, 19910), (Start: 41 @19952 has 10 MA's), (Start: 50 @19976 has 603 MA's), (103, 20174), (110, 20213), (121, 20285), (122, 20288), (126, 20306), (132, 20342), (133, 20348), (148, 20459), (150, 20465), (159, 20504), (165, 20546), (176, 20585), (185, 20627), (187, 20630), (197, 20690), (240, 20927), (244, 20942), (261, 21023), (288, 21155), (322, 21281), (331, 21332), (333, 21341), (338, 21380), (339, 21383), (341, 21395), (356, 21479), (374, 21584), (376, 21590), (396, 21725),

Gene: Greg_29 Start: 21405, Stop: 23207, Start Num: 52
Candidate Starts for Greg_29:
(Start: 52 @21405 has 230 MA's), (Start: 61 @21426 has 6 MA's), (Start: 71 @21468 has 1 MA's), (85, 21513), (122, 21729), (129, 21774), (132, 21783), (144, 21873), (145, 21876), (187, 22071), (200, 22140), (234, 22341), (235, 22344), (239, 22365), (260, 22461), (261, 22464), (263, 22470), (277, 22539), (280, 22557), (282, 22566), (288, 22596), (314, 22692), (319, 22725), (322, 22740), (346, 22881), (356, 22938), (376, 23049),

Gene: Grif_29 Start: 20462, Stop: 22258, Start Num: 50
Candidate Starts for Grif_29:
(Start: 50 @20462 has 603 MA's), (Start: 71 @20519 has 1 MA's), (76, 20534), (88, 20588), (91, 20603), (107, 20690), (109, 20702), (110, 20705), (122, 20780), (125, 20795), (131, 20831), (165, 21038), (200, 21191), (216, 21278), (234, 21392), (239, 21416), (244, 21434), (261, 21515), (277, 21590), (280, 21608), (286, 21641), (288, 21647), (299, 21686), (313, 21740), (314, 21743), (318, 21764), (327, 21821), (356, 21989), (374, 22094), (376, 22100), (396, 22235),

Gene: GroundGoblin_29 Start: 22423, Stop: 24225, Start Num: 52
Candidate Starts for GroundGoblin_29:
(Start: 52 @22423 has 230 MA's), (Start: 61 @22444 has 6 MA's), (Start: 71 @22486 has 1 MA's), (85, 22531), (122, 22747), (129, 22792), (132, 22801), (138, 22840), (144, 22891), (145, 22894), (187, 23089), (200, 23158), (234, 23359), (235, 23362), (239, 23383), (260, 23479), (261, 23482), (263, 23488), (277, 23557), (280, 23575), (282, 23584), (288, 23614), (314, 23710), (319, 23743), (322, 23758), (327, 23788), (346, 23899), (356, 23956), (376, 24067), (400, 24220),

Gene: Groundhog_23 Start: 18621, Stop: 20411, Start Num: 50
Candidate Starts for Groundhog_23:
(Start: 41 @18597 has 10 MA's), (Start: 50 @18621 has 603 MA's), (84, 18714), (92, 18759), (110, 18858), (117, 18894), (122, 18933), (125, 18948), (131, 18984), (148, 19104), (150, 19110), (176, 19230), (203, 19359), (216, 19431), (234, 19545), (280, 19761), (286, 19794), (314, 19896), (319, 19929), (322, 19944), (327, 19974), (373, 20244), (376, 20253), (377, 20262), (394, 20376),

Gene: Groupthink_30 Start: 20460, Stop: 22256, Start Num: 50
Candidate Starts for Groupthink_30:
(Start: 50 @20460 has 603 MA's), (Start: 71 @20517 has 1 MA's), (76, 20532), (88, 20586), (91, 20601), (107, 20688), (109, 20700), (110, 20703), (122, 20778), (125, 20793), (165, 21036), (200, 21189), (216, 21276), (230, 21369), (234, 21390), (239, 21414), (242, 21426), (244, 21432), (261, 21513), (277, 21588), (280, 21606), (282, 21615), (286, 21639), (288, 21645), (291, 21660), (299, 21684), (313, 21738), (314, 21741), (318, 21762), (374, 22092), (376, 22098), (396, 22233),

Gene: Grub_29 Start: 20371, Stop: 22167, Start Num: 50
Candidate Starts for Grub_29:
(Start: 50 @20371 has 603 MA's), (Start: 71 @20428 has 1 MA's), (76, 20443), (86, 20476), (88, 20497), (91, 20512), (107, 20599), (109, 20611), (110, 20614), (122, 20689), (125, 20704), (131, 20740), (165, 20947), (191, 21061), (200, 21100), (216, 21187), (234, 21301), (239, 21325), (244, 21343), (261, 21424), (277, 21499), (280, 21517), (286, 21550), (288, 21556), (299, 21595), (313, 21649), (314, 21652), (318, 21673), (327, 21730), (356, 21898), (374, 22003), (376, 22009), (396, 22144),

Gene: Grum1_29 Start: 20375, Stop: 22171, Start Num: 50
Candidate Starts for Grum1_29:
(Start: 50 @20375 has 603 MA's), (Start: 71 @20432 has 1 MA's), (76, 20447), (86, 20480), (88, 20501), (91, 20516), (107, 20603), (109, 20615), (110, 20618), (122, 20693), (125, 20708), (131, 20744), (149, 20867), (165, 20951), (191, 21065), (200, 21104), (216, 21191), (234, 21305), (239, 21329), (244, 21347), (261, 21428), (277, 21503), (280, 21521), (286, 21554), (288, 21560), (299, 21599), (313, 21653), (314, 21656), (318, 21677), (335, 21776), (374, 22007), (376, 22013), (396, 22148),

Gene: Gruunaga_31 Start: 19963, Stop: 21735, Start Num: 50
Candidate Starts for Gruunaga_31:
(32, 19897), (Start: 41 @19939 has 10 MA's), (Start: 50 @19963 has 603 MA's), (110, 20200), (121, 20272), (122, 20275), (125, 20290), (132, 20329), (133, 20335), (148, 20446), (150, 20452), (159,

20491), (165, 20533), (176, 20572), (185, 20614), (187, 20617), (216, 20773), (240, 20914), (244, 20929), (288, 21142), (318, 21241), (322, 21268), (331, 21319), (333, 21328), (338, 21367), (339, 21370), (356, 21466), (374, 21571), (376, 21577), (396, 21712),

Gene: GtownJaz_29 Start: 20380, Stop: 22176, Start Num: 50
Candidate Starts for GtownJaz_29:
(Start: 50 @20380 has 603 MA's), (Start: 71 @20437 has 1 MA's), (76, 20452), (86, 20485), (88, 20506), (91, 20521), (107, 20608), (109, 20620), (110, 20623), (122, 20698), (125, 20713), (131, 20749), (165, 20956), (191, 21070), (200, 21109), (216, 21196), (234, 21310), (239, 21334), (244, 21352), (261, 21433), (277, 21508), (280, 21526), (286, 21559), (288, 21565), (299, 21604), (313, 21658), (314, 21661), (318, 21682), (327, 21739), (356, 21907), (374, 22012), (376, 22018), (396, 22153),

Gene: Guey18_58 Start: 29129, Stop: 30814, Start Num: 44
Candidate Starts for Guey18_58:
(20, 28937), (21, 28946), (22, 28952), (30, 29054), (35, 29084), (Start: 44 @29129 has 6 MA's), (90, 29270), (117, 29429), (125, 29483), (148, 29639), (170, 29738), (181, 29786), (195, 29858), (220, 29948), (247, 30086), (280, 30245), (292, 30296), (294, 30299), (306, 30311), (322, 30386), (325, 30401), (345, 30485), (361, 30566), (381, 30677), (395, 30782), (398, 30800),

Gene: Gustavo_34 Start: 29639, Stop: 31402, Start Num: 34
Candidate Starts for Gustavo_34:
(Start: 34 @29639 has 86 MA's), (Start: 39 @29675 has 5 MA's), (83, 29804), (86, 29813), (102, 29909), (105, 29918), (114, 29987), (122, 30038), (123, 30047), (129, 30083), (133, 30098), (135, 30116), (144, 30179), (154, 30224), (156, 30233), (179, 30344), (181, 30353), (185, 30368), (189, 30392), (194, 30422), (244, 30644), (248, 30662), (252, 30677), (260, 30719), (267, 30749), (294, 30869), (321, 30962), (346, 31073), (347, 31076), (355, 31124), (361, 31151), (365, 31178), (374, 31232),

Gene: Gwendoluna_29 Start: 22990, Stop: 24792, Start Num: 52
Candidate Starts for Gwendoluna_29:
(Start: 52 @22990 has 230 MA's), (Start: 61 @23011 has 6 MA's), (Start: 71 @23053 has 1 MA's), (85, 23098), (122, 23314), (129, 23359), (132, 23368), (138, 23407), (144, 23458), (145, 23461), (187, 23656), (200, 23725), (234, 23926), (235, 23929), (239, 23950), (260, 24046), (261, 24049), (263, 24055), (277, 24124), (280, 24142), (282, 24151), (288, 24181), (314, 24277), (319, 24310), (322, 24325), (346, 24466), (356, 24523), (376, 24634),

Gene: Gwennie_29 Start: 20379, Stop: 22175, Start Num: 50
Candidate Starts for Gwennie_29:
(Start: 50 @20379 has 603 MA's), (Start: 71 @20436 has 1 MA's), (76, 20451), (86, 20484), (88, 20505), (91, 20520), (107, 20607), (109, 20619), (110, 20622), (122, 20697), (125, 20712), (131, 20748), (165, 20955), (191, 21069), (200, 21108), (216, 21195), (234, 21309), (239, 21333), (244, 21351), (261, 21432), (277, 21507), (280, 21525), (286, 21558), (288, 21564), (299, 21603), (313, 21657), (314, 21660), (318, 21681), (327, 21738), (356, 21906), (374, 22011), (376, 22017), (396, 22152),

Gene: Gyzlar_29 Start: 22353, Stop: 24155, Start Num: 52
Candidate Starts for Gyzlar_29:
(Start: 52 @22353 has 230 MA's), (Start: 61 @22374 has 6 MA's), (Start: 71 @22416 has 1 MA's), (85, 22461), (122, 22677), (129, 22722), (132, 22731), (138, 22770), (144, 22821), (145, 22824), (187, 23019), (200, 23088), (234, 23289), (235, 23292), (239, 23313), (260, 23409), (261, 23412), (263, 23418), (277, 23487), (280, 23505), (282, 23514), (288, 23544), (314, 23640), (319, 23673), (322, 23688), (346, 23829), (356, 23886), (376, 23997),

Gene: HINdeR_27 Start: 22725, Stop: 24527, Start Num: 50
Candidate Starts for HINdeR_27:
(24, 22575), (29, 22620), (Start: 41 @22701 has 10 MA's), (Start: 43 @22713 has 2 MA's), (Start: 50 @22725 has 603 MA's), (70, 22770), (77, 22791), (86, 22821), (109, 22956), (110, 22959), (122, 23034), (132, 23088), (150, 23211), (152, 23217), (159, 23250), (165, 23292), (187, 23376), (191, 23406), (197, 23436), (221, 23562), (234, 23643), (244, 23685), (260, 23781), (261, 23784), (265, 23799), (277, 23859), (280, 23877), (282, 23886), (286, 23910), (288, 23916), (313, 24009), (314, 24012), (317, 24030), (319, 24045), (322, 24060), (328, 24096), (345, 24198), (376, 24369), (390, 24474), (399, 24519),

Gene: Halo3_32 Start: 26286, Stop: 28052, Start Num: 34
Candidate Starts for Halo3_32:
(28, 26244), (Start: 34 @26286 has 86 MA's), (Start: 39 @26322 has 5 MA's), (Start: 53 @26355 has 7 MA's), (104, 26565), (105, 26568), (109, 26598), (119, 26664), (122, 26688), (123, 26697), (128, 26730), (156, 26883), (162, 26922), (175, 26973), (177, 26985), (181, 27003), (184, 27015), (186, 27027), (189, 27042), (194, 27072), (195, 27075), (199, 27096), (221, 27168), (227, 27216), (252, 27327), (258, 27360), (267, 27399), (268, 27402), (282, 27474), (300, 27540), (308, 27552), (346, 27723), (347, 27726), (355, 27774), (361, 27801), (365, 27828), (374, 27882), (390, 27999), (395, 28020), (400, 28047),

Gene: HamSlice_26 Start: 19825, Stop: 21603, Start Num: 50
Candidate Starts for HamSlice_26:
(Start: 41 @19801 has 10 MA's), (Start: 50 @19825 has 603 MA's), (Start: 71 @19882 has 1 MA's), (87, 19936), (88, 19951), (92, 19969), (107, 20053), (109, 20065), (110, 20068), (122, 20143), (125, 20158), (132, 20197), (148, 20314), (165, 20401), (185, 20482), (195, 20530), (200, 20554), (216, 20641), (224, 20686), (235, 20758), (239, 20779), (244, 20797), (261, 20878), (280, 20971), (282, 20980), (286, 21004), (288, 21010), (295, 21034), (314, 21088), (318, 21109), (326, 21160), (330, 21184), (339, 21238), (356, 21334), (374, 21439), (377, 21454), (393, 21562), (396, 21580),

Gene: Hami1_29 Start: 21499, Stop: 23301, Start Num: 52
Candidate Starts for Hami1_29:
(Start: 52 @21499 has 230 MA's), (Start: 61 @21520 has 6 MA's), (Start: 71 @21562 has 1 MA's), (85, 21607), (122, 21823), (129, 21868), (132, 21877), (138, 21916), (144, 21967), (145, 21970), (187, 22165), (200, 22234), (234, 22435), (235, 22438), (239, 22459), (260, 22555), (261, 22558), (263, 22564), (280, 22651), (282, 22660), (288, 22690), (314, 22786), (319, 22819), (322, 22834), (346, 22975), (356, 23032), (376, 23143),

Gene: Hammer_31 Start: 19978, Stop: 21750, Start Num: 50
Candidate Starts for Hammer_31:
(32, 19912), (Start: 41 @19954 has 10 MA's), (Start: 50 @19978 has 603 MA's), (110, 20215), (121, 20287), (122, 20290), (125, 20305), (132, 20344), (133, 20350), (148, 20461), (150, 20467), (159, 20506), (165, 20548), (176, 20587), (185, 20629), (187, 20632), (216, 20788), (240, 20929), (244, 20944), (288, 21157), (322, 21283), (331, 21334), (333, 21343), (338, 21382), (339, 21385), (374, 21586), (376, 21592), (396, 21727),

Gene: HanShotFirst_27 Start: 21033, Stop: 22835, Start Num: 52
Candidate Starts for HanShotFirst_27:
(Start: 52 @21033 has 230 MA's), (Start: 61 @21054 has 6 MA's), (Start: 71 @21096 has 1 MA's), (85, 21141), (122, 21357), (129, 21402), (132, 21411), (144, 21501), (145, 21504), (162, 21597), (187, 21699), (200, 21768), (231, 21957), (234, 21969), (235, 21972), (239, 21993), (260, 22089), (261, 22092), (263, 22098), (277, 22167), (280, 22185), (282, 22194), (288, 22224), (314, 22320), (319, 22353), (322, 22368), (346, 22509), (356, 22566), (376, 22677),

Gene: HannahD_19 Start: 16647, Stop: 18377, Start Num: 47
Candidate Starts for HannahD_19:
(26, 16527), (37, 16611), (Start: 47 @16647 has 5 MA's), (87, 16767), (101, 16851), (107, 16884), (112, 16917), (125, 17001), (159, 17202), (165, 17244), (175, 17280), (181, 17310), (186, 17334), (193, 17376), (199, 17403), (200, 17406), (218, 17460), (219, 17466), (231, 17553), (316, 17913), (320, 17937), (323, 17955), (346, 18051), (351, 18069), (378, 18228), (388, 18315), (394, 18342),

Gene: Hanray_30 Start: 21753, Stop: 23543, Start Num: 50
Candidate Starts for Hanray_30:
(Start: 48 @21750 has 8 MA's), (Start: 50 @21753 has 603 MA's), (109, 21987), (110, 21990), (121, 22062), (122, 22065), (125, 22080), (132, 22119), (133, 22125), (148, 22236), (165, 22323), (185, 22404), (187, 22407), (220, 22593), (230, 22656), (235, 22680), (237, 22686), (244, 22719), (261, 22800), (286, 22926), (298, 22968), (314, 23028), (319, 23061), (322, 23076), (338, 23175), (339, 23178), (341, 23190), (356, 23274), (367, 23340), (374, 23379), (376, 23385), (382, 23430), (389, 23487), (390, 23490),

Gene: Happiness_27 Start: 19833, Stop: 21611, Start Num: 50
Candidate Starts for Happiness_27:
(Start: 41 @19809 has 10 MA's), (Start: 50 @19833 has 603 MA's), (Start: 71 @19890 has 1 MA's), (87, 19944), (88, 19959), (92, 19977), (107, 20061), (109, 20073), (110, 20076), (122, 20151), (125, 20166), (132, 20205), (148, 20322), (165, 20409), (185, 20490), (195, 20538), (200, 20562), (216, 20649), (224, 20694), (235, 20766), (239, 20787), (244, 20805), (280, 20979), (282, 20988), (286, 21012), (288, 21018), (295, 21042), (314, 21096), (318, 21117), (326, 21168), (330, 21192), (339, 21246), (356, 21342), (374, 21447), (377, 21462), (393, 21570), (396, 21588),

Gene: Harlequin_23 Start: 16299, Stop: 17924, Start Num: 64
Candidate Starts for Harlequin_23:
(Start: 60 @16284 has 3 MA's), (Start: 64 @16299 has 32 MA's), (75, 16341), (83, 16368), (90, 16404), (122, 16590), (142, 16719), (148, 16761), (156, 16788), (Start: 160 @16812 has 1 MA's), (162, 16830), (171, 16860), (174, 16875), (187, 16926), (203, 17010), (230, 17127), (235, 17151), (260, 17265), (271, 17313), (277, 17343), (283, 17382), (286, 17394), (309, 17424), (322, 17502), (354, 17649), (359, 17673), (365, 17709), (372, 17748), (399, 17916),

Gene: HarryHoudini_30 Start: 20673, Stop: 22445, Start Num: 50
Candidate Starts for HarryHoudini_30:
(Start: 41 @20649 has 10 MA's), (Start: 50 @20673 has 603 MA's), (91, 20808), (96, 20826), (109, 20907), (110, 20910), (121, 20982), (122, 20985), (132, 21039), (133, 21045), (141, 21108), (143, 21123), (148, 21156), (157, 21189), (165, 21243), (185, 21324), (187, 21327), (191, 21357), (220, 21513), (235, 21600), (261, 21720), (285, 21843), (286, 21846), (288, 21852), (309, 21900), (316, 21942), (319, 21963), (322, 21978), (323, 21984), (333, 22038), (338, 22077), (341, 22092), (348, 22125), (355, 22170), (374, 22281), (376, 22287), (379, 22305), (383, 22341),

Gene: HarryOW_28 Start: 21487, Stop: 23289, Start Num: 52
Candidate Starts for HarryOW_28:
(Start: 52 @21487 has 230 MA's), (Start: 61 @21508 has 6 MA's), (Start: 71 @21550 has 1 MA's), (85, 21595), (122, 21811), (129, 21856), (132, 21865), (138, 21904), (144, 21955), (145, 21958), (162, 22051), (187, 22153), (200, 22222), (234, 22423), (235, 22426), (239, 22447), (260, 22543), (261, 22546), (263, 22552), (277, 22621), (280, 22639), (282, 22648), (288, 22678), (314, 22774), (319, 22807), (322, 22822), (346, 22963), (356, 23020), (376, 23131),

Gene: HashRod_30 Start: 20466, Stop: 22262, Start Num: 50
Candidate Starts for HashRod_30:

(Start: 50 @20466 has 603 MA's), (Start: 71 @20523 has 1 MA's), (76, 20538), (86, 20571), (88, 20592), (91, 20607), (107, 20694), (109, 20706), (110, 20709), (122, 20784), (125, 20799), (131, 20835), (149, 20958), (165, 21042), (191, 21156), (200, 21195), (216, 21282), (234, 21396), (239, 21420), (244, 21438), (261, 21519), (277, 21594), (280, 21612), (286, 21645), (288, 21651), (299, 21690), (313, 21744), (314, 21747), (318, 21768), (327, 21825), (356, 21993), (374, 22098), (376, 22104), (396, 22239),

Gene: HaveUMetTed_30 Start: 20453, Stop: 22249, Start Num: 50
Candidate Starts for HaveUMetTed_30:
(Start: 50 @20453 has 603 MA's), (Start: 71 @20510 has 1 MA's), (76, 20525), (88, 20579), (91, 20594), (107, 20681), (109, 20693), (110, 20696), (122, 20771), (125, 20786), (165, 21029), (200, 21182), (216, 21269), (234, 21383), (239, 21407), (242, 21419), (244, 21425), (261, 21506), (277, 21581), (280, 21599), (282, 21608), (286, 21632), (288, 21638), (299, 21677), (313, 21731), (314, 21734), (318, 21755), (356, 21980), (374, 22085), (376, 22091), (396, 22226),

Gene: Heathen_27 Start: 19708, Stop: 21507, Start Num: 50
Candidate Starts for Heathen_27:
(Start: 50 @19708 has 603 MA's), (Start: 71 @19768 has 1 MA's), (88, 19837), (107, 19939), (109, 19951), (110, 19954), (122, 20029), (125, 20044), (126, 20047), (132, 20083), (154, 20218), (165, 20287), (191, 20401), (216, 20527), (234, 20641), (239, 20665), (242, 20677), (244, 20683), (261, 20764), (277, 20839), (280, 20857), (282, 20866), (286, 20890), (288, 20896), (291, 20911), (307, 20953), (312, 20980), (313, 20989), (314, 20992), (318, 21013), (319, 21025), (356, 21238), (374, 21343), (376, 21349), (396, 21484),

Gene: Hedwig_20 Start: 16954, Stop: 18648, Start Num: 51
Candidate Starts for Hedwig_20:
(Start: 39 @16924 has 5 MA's), (Start: 51 @16954 has 6 MA's), (86, 17056), (94, 17107), (105, 17164), (112, 17215), (123, 17293), (125, 17299), (147, 17449), (175, 17572), (188, 17632), (193, 17668), (202, 17710), (218, 17752), (221, 17776), (226, 17806), (280, 18067), (300, 18142), (315, 18184), (323, 18229), (346, 18325), (347, 18328), (351, 18343), (378, 18502), (379, 18508), (390, 18595), (399, 18640),

Gene: Heffalump_30 Start: 22038, Stop: 23810, Start Num: 50
Candidate Starts for Heffalump_30:
(32, 21972), (Start: 41 @22014 has 10 MA's), (Start: 50 @22038 has 603 MA's), (109, 22272), (110, 22275), (121, 22347), (122, 22350), (132, 22404), (138, 22443), (143, 22488), (148, 22521), (165, 22608), (185, 22689), (187, 22692), (235, 22965), (261, 23085), (286, 23211), (309, 23265), (311, 23274), (314, 23295), (319, 23328), (322, 23343), (323, 23349), (333, 23403), (338, 23442), (341, 23457), (356, 23541), (376, 23652),

Gene: HelDan_27 Start: 19960, Stop: 21759, Start Num: 50
Candidate Starts for HelDan_27:
(Start: 50 @19960 has 603 MA's), (Start: 71 @20020 has 1 MA's), (88, 20089), (107, 20191), (109, 20203), (110, 20206), (122, 20281), (125, 20296), (126, 20299), (132, 20335), (154, 20470), (165, 20539), (191, 20653), (216, 20779), (234, 20893), (239, 20917), (242, 20929), (244, 20935), (261, 21016), (277, 21091), (280, 21109), (282, 21118), (286, 21142), (288, 21148), (291, 21163), (307, 21205), (312, 21232), (313, 21241), (314, 21244), (318, 21265), (319, 21277), (356, 21490), (374, 21595), (376, 21601), (396, 21736),

Gene: Heliosoles_29 Start: 20460, Stop: 22256, Start Num: 50
Candidate Starts for Heliosoles_29:
(Start: 50 @20460 has 603 MA's), (Start: 71 @20517 has 1 MA's), (76, 20532), (88, 20586), (91, 20601), (107, 20688), (109, 20700), (110, 20703), (122, 20778), (125, 20793), (165, 21036), (200,

21189), (216, 21276), (230, 21369), (234, 21390), (239, 21414), (242, 21426), (244, 21432), (261, 21513), (277, 21588), (280, 21606), (282, 21615), (286, 21639), (288, 21645), (291, 21660), (299, 21684), (313, 21738), (314, 21741), (318, 21762), (374, 22092), (376, 22098), (396, 22233),

Gene: Helmet_31 Start: 19977, Stop: 21749, Start Num: 50
Candidate Starts for Helmet_31:
(32, 19911), (Start: 41 @19953 has 10 MA's), (Start: 50 @19977 has 603 MA's), (110, 20214), (121, 20286), (122, 20289), (125, 20304), (132, 20343), (133, 20349), (148, 20460), (150, 20466), (159, 20505), (165, 20547), (176, 20586), (185, 20628), (187, 20631), (216, 20787), (240, 20928), (244, 20943), (288, 21156), (318, 21255), (322, 21282), (331, 21333), (333, 21342), (338, 21381), (339, 21384), (374, 21585), (376, 21591), (396, 21726),

Gene: Herbertwm_25 Start: 18795, Stop: 20585, Start Num: 50
Candidate Starts for Herbertwm_25:
(32, 18729), (Start: 41 @18771 has 10 MA's), (Start: 50 @18795 has 603 MA's), (74, 18855), (91, 18930), (92, 18933), (96, 18948), (109, 19029), (110, 19032), (122, 19107), (125, 19122), (132, 19161), (141, 19230), (157, 19311), (165, 19365), (176, 19404), (185, 19446), (242, 19755), (314, 20070), (315, 20079), (322, 20118), (323, 20124), (326, 20142), (327, 20148), (338, 20217), (341, 20232), (370, 20394), (374, 20421), (396, 20562),

Gene: Hercules11_29 Start: 20386, Stop: 22182, Start Num: 50
Candidate Starts for Hercules11_29:
(Start: 50 @20386 has 603 MA's), (Start: 71 @20443 has 1 MA's), (76, 20458), (86, 20491), (88, 20512), (91, 20527), (107, 20614), (109, 20626), (110, 20629), (122, 20704), (125, 20719), (131, 20755), (165, 20962), (191, 21076), (200, 21115), (234, 21316), (239, 21340), (244, 21358), (261, 21439), (277, 21514), (280, 21532), (286, 21565), (288, 21571), (299, 21610), (313, 21664), (314, 21667), (318, 21688), (327, 21745), (356, 21913), (374, 22018), (376, 22024), (396, 22159),

Gene: Hermia_30 Start: 22615, Stop: 24417, Start Num: 52
Candidate Starts for Hermia_30:
(Start: 52 @22615 has 230 MA's), (Start: 61 @22636 has 6 MA's), (Start: 71 @22678 has 1 MA's), (85, 22723), (122, 22939), (129, 22984), (132, 22993), (138, 23032), (144, 23083), (145, 23086), (187, 23281), (200, 23350), (234, 23551), (235, 23554), (239, 23575), (260, 23671), (261, 23674), (263, 23680), (277, 23749), (280, 23767), (282, 23776), (288, 23806), (314, 23902), (319, 23935), (322, 23950), (327, 23980), (346, 24091), (356, 24148), (376, 24259), (400, 24412),

Gene: HermioneGrange_27 Start: 21061, Stop: 22863, Start Num: 52
Candidate Starts for HermioneGrange_27:
(Start: 52 @21061 has 230 MA's), (Start: 61 @21082 has 6 MA's), (Start: 71 @21124 has 1 MA's), (85, 21169), (122, 21385), (129, 21430), (132, 21439), (144, 21529), (145, 21532), (162, 21625), (187, 21727), (200, 21796), (231, 21985), (234, 21997), (235, 22000), (239, 22021), (260, 22117), (261, 22120), (263, 22126), (277, 22195), (280, 22213), (282, 22222), (288, 22252), (314, 22348), (319, 22381), (322, 22396), (346, 22537), (356, 22594), (376, 22705),

Gene: Hexamo_31 Start: 19945, Stop: 21717, Start Num: 50
Candidate Starts for Hexamo_31:
(32, 19879), (Start: 41 @19921 has 10 MA's), (Start: 50 @19945 has 603 MA's), (110, 20182), (121, 20254), (122, 20257), (125, 20272), (132, 20311), (133, 20317), (148, 20428), (150, 20434), (159, 20473), (165, 20515), (176, 20554), (185, 20596), (187, 20599), (216, 20755), (240, 20896), (244, 20911), (288, 21124), (318, 21223), (322, 21250), (331, 21301), (333, 21310), (338, 21349), (341, 21364), (356, 21448), (374, 21553), (376, 21559), (396, 21694),

Gene: Hexbug_20 Start: 15776, Stop: 17464, Start Num: 49

Candidate Starts for Hexbug_20:
(37, 15746), (Start: 43 @15773 has 2 MA's), (Start: 49 @15776 has 37 MA's), (91, 15917), (109, 16016), (117, 16067), (120, 16094), (143, 16244), (147, 16274), (155, 16301), (159, 16322), (161, 16331), (162, 16346), (171, 16376), (172, 16388), (175, 16394), (176, 16397), (178, 16412), (191, 16481), (206, 16562), (222, 16604), (224, 16613), (226, 16631), (233, 16676), (253, 16760), (259, 16796), (260, 16799), (261, 16802), (265, 16817), (269, 16835), (280, 16892), (286, 16925), (320, 17021), (322, 17033), (323, 17039), (325, 17048), (332, 17060), (345, 17132), (346, 17135), (347, 17138), (351, 17153), (367, 17261), (369, 17270), (376, 17303), (377, 17312), (396, 17441), (399, 17456),

Gene: HippoHollow_29 Start: 21966, Stop: 23738, Start Num: 50
Candidate Starts for HippoHollow_29:
(Start: 41 @21942 has 10 MA's), (Start: 50 @21966 has 603 MA's), (86, 22065), (100, 22149), (109, 22200), (110, 22203), (121, 22275), (122, 22278), (132, 22332), (133, 22338), (138, 22371), (148, 22449), (165, 22536), (185, 22617), (187, 22620), (194, 22662), (220, 22806), (235, 22893), (244, 22932), (261, 23013), (286, 23139), (288, 23145), (309, 23193), (319, 23256), (322, 23271), (323, 23277), (328, 23307), (333, 23331), (338, 23370), (341, 23385), (356, 23469),

Gene: Hiro_23 Start: 16605, Stop: 18230, Start Num: 64
Candidate Starts for Hiro_23:
(Start: 60 @16590 has 3 MA's), (Start: 64 @16605 has 32 MA's), (75, 16647), (83, 16674), (90, 16710), (113, 16851), (122, 16896), (142, 17025), (148, 17067), (154, 17085), (156, 17094), (Start: 160 @17118 has 1 MA's), (162, 17136), (171, 17166), (174, 17181), (175, 17184), (183, 17223), (187, 17232), (203, 17316), (220, 17370), (224, 17385), (230, 17433), (235, 17457), (260, 17571), (277, 17649), (283, 17688), (286, 17700), (289, 17709), (309, 17730), (322, 17808), (354, 17955), (372, 18054), (374, 18069), (399, 18222),

Gene: Holex_30 Start: 21753, Stop: 23543, Start Num: 50
Candidate Starts for Holex_30:
(Start: 48 @21750 has 8 MA's), (Start: 50 @21753 has 603 MA's), (109, 21987), (110, 21990), (121, 22062), (122, 22065), (125, 22080), (132, 22119), (133, 22125), (148, 22236), (165, 22323), (185, 22404), (187, 22407), (220, 22593), (230, 22656), (235, 22680), (237, 22686), (244, 22719), (261, 22800), (286, 22926), (298, 22968), (312, 23016), (314, 23028), (319, 23061), (322, 23076), (338, 23175), (339, 23178), (341, 23190), (356, 23274), (367, 23340), (374, 23379), (376, 23385), (382, 23430), (389, 23487), (390, 23490),

Gene: Holli_27 Start: 19617, Stop: 21395, Start Num: 50
Candidate Starts for Holli_27:
(Start: 41 @19593 has 10 MA's), (Start: 50 @19617 has 603 MA's), (Start: 71 @19674 has 1 MA's), (87, 19728), (88, 19743), (92, 19761), (107, 19845), (109, 19857), (110, 19860), (122, 19935), (125, 19950), (132, 19989), (148, 20106), (165, 20193), (185, 20274), (195, 20322), (200, 20346), (216, 20433), (224, 20478), (235, 20550), (239, 20571), (244, 20589), (261, 20670), (280, 20763), (282, 20772), (286, 20796), (288, 20802), (295, 20826), (314, 20880), (318, 20901), (326, 20952), (330, 20976), (339, 21030), (356, 21126), (374, 21231), (377, 21246), (393, 21354), (396, 21372),

Gene: Holliday_20 Start: 16421, Stop: 18118, Start Num: 49
Candidate Starts for Holliday_20:
(37, 16382), (Start: 49 @16421 has 37 MA's), (Start: 55 @16433 has 1 MA's), (67, 16472), (79, 16511), (86, 16532), (94, 16580), (97, 16589), (103, 16631), (109, 16667), (118, 16724), (125, 16772), (128, 16799), (152, 16940), (162, 16997), (165, 17015), (169, 17024), (171, 17030), (181, 17078), (188, 17108), (193, 17144), (195, 17150), (199, 17171), (200, 17174), (208, 17225), (221, 17252), (222, 17255), (226, 17282), (229, 17309), (246, 17381), (254, 17420), (268, 17474), (276, 17516), (293, 17591), (315, 17654), (320, 17681), (321, 17684), (323, 17699), (343, 17783), (345, 17792), (346,

17795), (348, 17801), (351, 17813), (352, 17816), (355, 17846), (356, 17852), (361, 17873), (362, 17876), (370, 17930), (376, 17960), (377, 17969), (384, 18020), (387, 18053), (390, 18065), (394, 18083),

Gene: Homines_27 Start: 21386, Stop: 23188, Start Num: 52
Candidate Starts for Homines_27:
(Start: 52 @21386 has 230 MA's), (Start: 61 @21407 has 6 MA's), (Start: 71 @21449 has 1 MA's), (85, 21494), (122, 21710), (129, 21755), (132, 21764), (138, 21803), (144, 21854), (145, 21857), (162, 21950), (187, 22052), (200, 22121), (234, 22322), (235, 22325), (239, 22346), (260, 22442), (261, 22445), (263, 22451), (277, 22520), (280, 22538), (282, 22547), (288, 22577), (314, 22673), (319, 22706), (322, 22721), (346, 22862), (356, 22919), (376, 23030), (400, 23183),

Gene: Hookmount_28 Start: 20456, Stop: 22255, Start Num: 50
Candidate Starts for Hookmount_28:
(Start: 50 @20456 has 603 MA's), (Start: 71 @20516 has 1 MA's), (88, 20585), (107, 20687), (109, 20699), (110, 20702), (122, 20777), (125, 20792), (132, 20831), (154, 20966), (165, 21035), (191, 21149), (216, 21275), (234, 21389), (239, 21413), (242, 21425), (244, 21431), (261, 21512), (277, 21587), (280, 21605), (282, 21614), (286, 21638), (288, 21644), (291, 21659), (304, 21692), (313, 21737), (314, 21740), (318, 21761), (339, 21890), (356, 21986), (374, 22091), (376, 22097), (396, 22232),

Gene: Hoot_31 Start: 19955, Stop: 21727, Start Num: 50
Candidate Starts for Hoot_31:
(32, 19889), (Start: 41 @19931 has 10 MA's), (Start: 50 @19955 has 603 MA's), (103, 20153), (110, 20192), (121, 20264), (122, 20267), (126, 20285), (132, 20321), (133, 20327), (148, 20438), (150, 20444), (159, 20483), (165, 20525), (176, 20564), (185, 20606), (187, 20609), (197, 20669), (240, 20906), (244, 20921), (261, 21002), (288, 21134), (322, 21260), (331, 21311), (333, 21320), (338, 21359), (339, 21362), (341, 21374), (356, 21458), (374, 21563), (376, 21569), (396, 21704),

Gene: Hope4ever_27 Start: 21502, Stop: 23304, Start Num: 52
Candidate Starts for Hope4ever_27:
(Start: 52 @21502 has 230 MA's), (Start: 61 @21523 has 6 MA's), (Start: 71 @21565 has 1 MA's), (85, 21610), (122, 21826), (129, 21871), (132, 21880), (138, 21919), (144, 21970), (145, 21973), (162, 22066), (187, 22168), (200, 22237), (231, 22426), (234, 22438), (235, 22441), (239, 22462), (260, 22558), (261, 22561), (263, 22567), (277, 22636), (280, 22654), (282, 22663), (288, 22693), (314, 22789), (319, 22822), (322, 22837), (346, 22978), (356, 23035), (376, 23146),

Gene: HortumSL17_30 Start: 21746, Stop: 23539, Start Num: 48
Candidate Starts for HortumSL17_30:
(Start: 48 @21746 has 8 MA's), (Start: 50 @21749 has 603 MA's), (109, 21983), (110, 21986), (121, 22058), (122, 22061), (125, 22076), (132, 22115), (133, 22121), (148, 22232), (165, 22319), (185, 22400), (187, 22403), (220, 22589), (230, 22652), (235, 22676), (237, 22682), (244, 22715), (261, 22796), (286, 22922), (298, 22964), (299, 22967), (314, 23024), (319, 23057), (322, 23072), (338, 23171), (339, 23174), (341, 23186), (356, 23270), (367, 23336), (374, 23375), (376, 23381), (382, 23426), (389, 23483), (390, 23486),

Gene: Horus_20 Start: 16434, Stop: 18131, Start Num: 49
Candidate Starts for Horus_20:
(37, 16395), (Start: 49 @16434 has 37 MA's), (Start: 55 @16446 has 1 MA's), (57, 16449), (67, 16485), (79, 16524), (86, 16545), (93, 16587), (94, 16593), (95, 16596), (99, 16608), (103, 16644), (109, 16680), (118, 16737), (125, 16785), (128, 16812), (144, 16914), (152, 16953), (162, 17010), (165, 17028), (169, 17037), (171, 17043), (181, 17091), (188, 17121), (193, 17157), (195, 17163), (199, 17184), (200, 17187), (208, 17238), (221, 17265), (222, 17268), (226, 17295), (229, 17322), (246,

17394), (254, 17433), (268, 17487), (282, 17559), (293, 17604), (320, 17694), (323, 17712), (343, 17796), (345, 17805), (346, 17808), (348, 17814), (352, 17829), (355, 17859), (356, 17865), (361, 17886), (362, 17889), (370, 17943), (376, 17973), (377, 17982), (384, 18033), (387, 18066), (390, 18078), (394, 18096),

Gene: Houdini22_27 Start: 19831, Stop: 21609, Start Num: 50
Candidate Starts for Houdini22_27:
(Start: 41 @19807 has 10 MA's), (Start: 50 @19831 has 603 MA's), (Start: 71 @19888 has 1 MA's), (87, 19942), (88, 19957), (92, 19975), (107, 20059), (109, 20071), (110, 20074), (122, 20149), (125, 20164), (132, 20203), (148, 20320), (165, 20407), (185, 20488), (195, 20536), (200, 20560), (216, 20647), (224, 20692), (235, 20764), (239, 20785), (244, 20803), (261, 20884), (280, 20977), (282, 20986), (286, 21010), (288, 21016), (295, 21040), (314, 21094), (318, 21115), (326, 21166), (330, 21190), (339, 21244), (356, 21340), (374, 21445), (377, 21460), (393, 21568), (396, 21586),

Gene: HuhtaEnerson15_24 Start: 19658, Stop: 21454, Start Num: 50
Candidate Starts for HuhtaEnerson15_24:
(Start: 50 @19658 has 603 MA's), (87, 19763), (92, 19796), (110, 19895), (122, 19970), (125, 19985), (131, 20021), (141, 20093), (143, 20108), (150, 20147), (157, 20174), (161, 20195), (167, 20234), (197, 20372), (199, 20378), (231, 20570), (232, 20573), (234, 20582), (244, 20624), (249, 20642), (260, 20702), (261, 20705), (280, 20798), (282, 20807), (286, 20831), (313, 20939), (319, 20975), (356, 21185), (373, 21287), (376, 21296), (392, 21410), (396, 21431), (398, 21440),

Gene: Hutc2_28 Start: 20752, Stop: 22551, Start Num: 50
Candidate Starts for Hutc2_28:
(32, 20686), (Start: 41 @20728 has 10 MA's), (Start: 50 @20752 has 603 MA's), (68, 20794), (92, 20890), (96, 20905), (109, 20986), (110, 20989), (122, 21064), (125, 21079), (132, 21118), (133, 21124), (139, 21175), (148, 21235), (150, 21241), (165, 21322), (187, 21406), (209, 21532), (214, 21550), (219, 21577), (244, 21718), (257, 21784), (260, 21796), (261, 21799), (304, 21988), (311, 22015), (312, 22024), (315, 22045), (316, 22048), (319, 22069), (322, 22084), (326, 22108), (338, 22183), (341, 22198), (356, 22282), (374, 22387), (376, 22393), (383, 22447), (400, 22546),

Gene: Huxley_27 Start: 19891, Stop: 21669, Start Num: 50
Candidate Starts for Huxley_27:
(Start: 41 @19867 has 10 MA's), (Start: 50 @19891 has 603 MA's), (Start: 71 @19948 has 1 MA's), (87, 20002), (88, 20017), (92, 20035), (107, 20119), (109, 20131), (110, 20134), (122, 20209), (125, 20224), (132, 20263), (148, 20380), (165, 20467), (185, 20548), (195, 20596), (200, 20620), (216, 20707), (224, 20752), (235, 20824), (239, 20845), (244, 20863), (261, 20944), (280, 21037), (282, 21046), (286, 21070), (288, 21076), (295, 21100), (314, 21154), (318, 21175), (326, 21226), (330, 21250), (356, 21400), (374, 21505), (377, 21520), (393, 21628), (396, 21646),

Gene: ICleared_27 Start: 19825, Stop: 21603, Start Num: 50
Candidate Starts for ICleared_27:
(Start: 41 @19801 has 10 MA's), (Start: 50 @19825 has 603 MA's), (Start: 71 @19882 has 1 MA's), (87, 19936), (88, 19951), (92, 19969), (107, 20053), (109, 20065), (110, 20068), (122, 20143), (125, 20158), (132, 20197), (148, 20314), (165, 20401), (185, 20482), (195, 20530), (200, 20554), (216, 20641), (224, 20686), (235, 20758), (239, 20779), (244, 20797), (261, 20878), (280, 20971), (282, 20980), (286, 21004), (288, 21010), (295, 21034), (314, 21088), (318, 21109), (326, 21160), (330, 21184), (339, 21238), (356, 21334), (374, 21439), (377, 21454), (393, 21562), (396, 21580),

Gene: ILeeKay_29 Start: 21266, Stop: 23068, Start Num: 52
Candidate Starts for ILeeKay_29:
(Start: 52 @21266 has 230 MA's), (Start: 61 @21287 has 6 MA's), (Start: 71 @21329 has 1 MA's), (85, 21374), (122, 21590), (129, 21635), (132, 21644), (138, 21683), (144, 21734), (145, 21737), (187,

21932), (200, 22001), (234, 22202), (235, 22205), (239, 22226), (260, 22322), (261, 22325), (263, 22331), (277, 22400), (280, 22418), (282, 22427), (288, 22457), (314, 22553), (319, 22586), (322, 22601), (346, 22742), (356, 22799), (376, 22910),

Gene: Iceman_28 Start: 20116, Stop: 21894, Start Num: 50
Candidate Starts for Iceman_28:
(Start: 41 @20092 has 10 MA's), (Start: 50 @20116 has 603 MA's), (Start: 71 @20173 has 1 MA's), (87, 20227), (88, 20242), (92, 20260), (107, 20344), (109, 20356), (110, 20359), (122, 20434), (125, 20449), (132, 20488), (148, 20605), (165, 20692), (185, 20773), (195, 20821), (200, 20845), (216, 20932), (224, 20977), (235, 21049), (239, 21070), (244, 21088), (261, 21169), (280, 21262), (282, 21271), (286, 21295), (288, 21301), (295, 21325), (314, 21379), (318, 21400), (326, 21451), (330, 21475), (339, 21529), (356, 21625), (374, 21730), (377, 21745), (393, 21853), (396, 21871),

Gene: Ichabod_28 Start: 21290, Stop: 23092, Start Num: 52
Candidate Starts for Ichabod_28:
(Start: 52 @21290 has 230 MA's), (Start: 61 @21311 has 6 MA's), (Start: 71 @21353 has 1 MA's), (85, 21398), (122, 21614), (129, 21659), (132, 21668), (138, 21707), (144, 21758), (145, 21761), (187, 21956), (200, 22025), (234, 22226), (235, 22229), (239, 22250), (260, 22346), (261, 22349), (263, 22355), (277, 22424), (280, 22442), (282, 22451), (288, 22481), (314, 22577), (319, 22610), (322, 22625), (346, 22766), (356, 22823), (376, 22934),

Gene: Idleandcovert_27 Start: 19904, Stop: 21700, Start Num: 50
Candidate Starts for Idleandcovert_27:
(Start: 50 @19904 has 603 MA's), (Start: 71 @19961 has 1 MA's), (88, 20030), (107, 20132), (109, 20144), (110, 20147), (122, 20222), (125, 20237), (132, 20276), (154, 20411), (165, 20480), (191, 20594), (216, 20720), (234, 20834), (239, 20858), (244, 20876), (261, 20957), (277, 21032), (280, 21050), (282, 21059), (286, 21083), (288, 21089), (291, 21104), (304, 21137), (313, 21182), (314, 21185), (318, 21206), (319, 21218), (321, 21224), (330, 21281), (356, 21431), (362, 21455), (374, 21536), (376, 21542), (396, 21677),

Gene: IgnatiusPatJac_26 Start: 21135, Stop: 22916, Start Num: 61
Candidate Starts for IgnatiusPatJac_26:
(Start: 52 @21114 has 230 MA's), (Start: 61 @21135 has 6 MA's), (Start: 71 @21177 has 1 MA's), (85, 21222), (122, 21438), (129, 21483), (132, 21492), (144, 21582), (145, 21585), (162, 21678), (187, 21780), (200, 21849), (234, 22050), (235, 22053), (239, 22074), (260, 22170), (261, 22173), (263, 22179), (277, 22248), (280, 22266), (282, 22275), (288, 22305), (314, 22401), (319, 22434), (322, 22449), (346, 22590), (356, 22647), (376, 22758),

Gene: Imbriano_31 Start: 19976, Stop: 21748, Start Num: 50
Candidate Starts for Imbriano_31:
(32, 19910), (Start: 41 @19952 has 10 MA's), (Start: 50 @19976 has 603 MA's), (103, 20174), (110, 20213), (121, 20285), (122, 20288), (126, 20306), (132, 20342), (133, 20348), (148, 20459), (150, 20465), (159, 20504), (165, 20546), (176, 20585), (185, 20627), (187, 20630), (197, 20690), (240, 20927), (244, 20942), (261, 21023), (279, 21110), (288, 21155), (322, 21281), (331, 21332), (333, 21341), (338, 21380), (339, 21383), (341, 21395), (356, 21479), (374, 21584), (376, 21590), (396, 21725),

Gene: Indra_31 Start: 19978, Stop: 21750, Start Num: 50
Candidate Starts for Indra_31:
(32, 19912), (Start: 41 @19954 has 10 MA's), (Start: 50 @19978 has 603 MA's), (110, 20215), (121, 20287), (122, 20290), (125, 20305), (132, 20344), (133, 20350), (148, 20461), (150, 20467), (159, 20506), (165, 20548), (176, 20587), (185, 20629), (187, 20632), (216, 20788), (240, 20929), (244, 20944), (288, 21157), (318, 21256), (322, 21283), (331, 21334), (333, 21343), (338, 21382), (339,

21385), (374, 21586), (376, 21592), (396, 21727),

Gene: Insomnia_28 Start: 20807, Stop: 22606, Start Num: 50
Candidate Starts for Insomnia_28:
(32, 20741), (Start: 41 @20783 has 10 MA's), (Start: 50 @20807 has 603 MA's), (68, 20849), (92, 20945), (96, 20960), (109, 21041), (110, 21044), (122, 21119), (125, 21134), (132, 21173), (133, 21179), (139, 21230), (148, 21290), (150, 21296), (165, 21377), (187, 21461), (209, 21587), (214, 21605), (219, 21632), (244, 21773), (257, 21839), (260, 21851), (261, 21854), (304, 22043), (311, 22070), (312, 22079), (315, 22100), (316, 22103), (319, 22124), (322, 22139), (326, 22163), (338, 22238), (341, 22253), (356, 22337), (374, 22442), (376, 22448), (383, 22502), (400, 22601),

Gene: Inyanga_26 Start: 20869, Stop: 22671, Start Num: 52
Candidate Starts for Inyanga_26:
(Start: 52 @20869 has 230 MA's), (Start: 61 @20890 has 6 MA's), (Start: 71 @20932 has 1 MA's), (85, 20977), (122, 21193), (129, 21238), (132, 21247), (138, 21286), (144, 21337), (145, 21340), (187, 21535), (200, 21604), (234, 21805), (235, 21808), (239, 21829), (260, 21925), (261, 21928), (263, 21934), (277, 22003), (280, 22021), (282, 22030), (288, 22060), (314, 22156), (319, 22189), (322, 22204), (346, 22345), (356, 22402), (376, 22513), (400, 22666),

Gene: Iqorha_26 Start: 20868, Stop: 22670, Start Num: 52
Candidate Starts for Iqorha_26:
(Start: 52 @20868 has 230 MA's), (Start: 61 @20889 has 6 MA's), (Start: 71 @20931 has 1 MA's), (85, 20976), (122, 21192), (129, 21237), (132, 21246), (138, 21285), (144, 21336), (145, 21339), (187, 21534), (200, 21603), (234, 21804), (235, 21807), (239, 21828), (260, 21924), (261, 21927), (263, 21933), (277, 22002), (280, 22020), (282, 22029), (288, 22059), (314, 22155), (319, 22188), (322, 22203), (346, 22344), (356, 22401), (376, 22512), (400, 22665),

Gene: Iracema64_28 Start: 20138, Stop: 21916, Start Num: 50
Candidate Starts for Iracema64_28:
(Start: 41 @20114 has 10 MA's), (Start: 50 @20138 has 603 MA's), (Start: 71 @20195 has 1 MA's), (87, 20249), (88, 20264), (92, 20282), (107, 20366), (109, 20378), (110, 20381), (122, 20456), (125, 20471), (132, 20510), (148, 20627), (165, 20714), (185, 20795), (195, 20843), (200, 20867), (216, 20954), (224, 20999), (235, 21071), (239, 21092), (244, 21110), (280, 21284), (282, 21293), (286, 21317), (288, 21323), (295, 21347), (314, 21401), (318, 21422), (326, 21473), (330, 21497), (339, 21551), (356, 21647), (374, 21752), (377, 21767), (393, 21875), (396, 21893),

Gene: IronMan_30 Start: 21747, Stop: 23519, Start Num: 50
Candidate Starts for IronMan_30:
(Start: 50 @21747 has 603 MA's), (91, 21882), (109, 21981), (110, 21984), (121, 22056), (122, 22059), (129, 22104), (139, 22170), (143, 22197), (148, 22230), (165, 22317), (187, 22401), (216, 22557), (221, 22590), (244, 22713), (257, 22779), (261, 22794), (286, 22920), (288, 22926), (309, 22974), (319, 23037), (322, 23052), (323, 23058), (326, 23076), (338, 23151), (356, 23250), (374, 23355), (376, 23361), (379, 23379), (382, 23406),

Gene: Isca_27 Start: 19841, Stop: 21640, Start Num: 50
Candidate Starts for Isca_27:
(Start: 50 @19841 has 603 MA's), (Start: 71 @19901 has 1 MA's), (88, 19970), (107, 20072), (109, 20084), (110, 20087), (122, 20162), (125, 20177), (126, 20180), (132, 20216), (154, 20351), (165, 20420), (191, 20534), (216, 20660), (234, 20774), (235, 20777), (239, 20798), (244, 20816), (261, 20897), (277, 20972), (280, 20990), (282, 20999), (288, 21029), (291, 21044), (299, 21068), (304, 21077), (313, 21122), (314, 21125), (318, 21146), (319, 21158), (356, 21371), (362, 21395), (374, 21476), (376, 21482), (396, 21617),

Gene: Isiphiwo_31 Start: 20047, Stop: 21819, Start Num: 50
Candidate Starts for Isiphiwo_31:
(Start: 50 @20047 has 603 MA's), (103, 20245), (110, 20284), (121, 20356), (122, 20359), (126, 20377), (132, 20413), (133, 20419), (148, 20530), (150, 20536), (165, 20617), (176, 20656), (185, 20698), (187, 20701), (197, 20761), (240, 20998), (244, 21013), (261, 21094), (288, 21226), (295, 21250), (322, 21352), (331, 21403), (333, 21412), (338, 21451), (339, 21454), (341, 21466), (356, 21550), (374, 21655), (376, 21661), (396, 21796),

Gene: Iwokeuplikedis_29 Start: 19935, Stop: 21707, Start Num: 50
Candidate Starts for Iwokeuplikedis_29:
(Start: 41 @19911 has 10 MA's), (Start: 50 @19935 has 603 MA's), (86, 20034), (91, 20070), (96, 20088), (109, 20169), (110, 20172), (121, 20244), (122, 20247), (132, 20301), (133, 20307), (143, 20385), (148, 20418), (165, 20505), (185, 20586), (187, 20589), (216, 20745), (220, 20775), (235, 20862), (257, 20967), (261, 20982), (288, 21114), (309, 21162), (319, 21225), (322, 21240), (323, 21246), (325, 21255), (333, 21300), (338, 21339), (341, 21354), (348, 21387), (374, 21543), (376, 21549), (382, 21594),

Gene: JC27_29 Start: 22002, Stop: 23804, Start Num: 52
Candidate Starts for JC27_29:
(Start: 52 @22002 has 230 MA's), (Start: 61 @22023 has 6 MA's), (Start: 71 @22065 has 1 MA's), (85, 22110), (122, 22326), (129, 22371), (132, 22380), (138, 22419), (144, 22470), (145, 22473), (187, 22668), (200, 22737), (234, 22938), (235, 22941), (239, 22962), (260, 23058), (261, 23061), (263, 23067), (277, 23136), (280, 23154), (288, 23193), (314, 23289), (319, 23322), (322, 23337), (346, 23478), (356, 23535), (376, 23646),

Gene: JF2_27 Start: 19592, Stop: 21391, Start Num: 50
Candidate Starts for JF2_27:
(Start: 50 @19592 has 603 MA's), (Start: 71 @19652 has 1 MA's), (88, 19721), (107, 19823), (109, 19835), (110, 19838), (122, 19913), (125, 19928), (126, 19931), (132, 19967), (154, 20102), (165, 20171), (191, 20285), (216, 20411), (234, 20525), (235, 20528), (239, 20549), (244, 20567), (261, 20648), (277, 20723), (280, 20741), (282, 20750), (286, 20774), (288, 20780), (291, 20795), (299, 20819), (304, 20828), (313, 20873), (314, 20876), (318, 20897), (319, 20909), (356, 21122), (362, 21146), (374, 21227), (376, 21233), (396, 21368),

Gene: JF4_27 Start: 19592, Stop: 21391, Start Num: 50
Candidate Starts for JF4_27:
(Start: 50 @19592 has 603 MA's), (Start: 71 @19652 has 1 MA's), (88, 19721), (107, 19823), (109, 19835), (110, 19838), (122, 19913), (125, 19928), (126, 19931), (132, 19967), (154, 20102), (165, 20171), (191, 20285), (216, 20411), (234, 20525), (235, 20528), (239, 20549), (244, 20567), (261, 20648), (277, 20723), (280, 20741), (282, 20750), (286, 20774), (288, 20780), (291, 20795), (299, 20819), (304, 20828), (313, 20873), (314, 20876), (318, 20897), (319, 20909), (356, 21122), (362, 21146), (374, 21227), (376, 21233), (396, 21368),

Gene: JHC117_29 Start: 20377, Stop: 22173, Start Num: 50
Candidate Starts for JHC117_29:
(Start: 50 @20377 has 603 MA's), (Start: 71 @20434 has 1 MA's), (76, 20449), (86, 20482), (88, 20503), (91, 20518), (107, 20605), (109, 20617), (110, 20620), (122, 20695), (125, 20710), (131, 20746), (165, 20953), (191, 21067), (200, 21106), (210, 21166), (216, 21193), (234, 21307), (239, 21331), (244, 21349), (261, 21430), (277, 21505), (280, 21523), (286, 21556), (288, 21562), (299, 21601), (313, 21655), (314, 21658), (318, 21679), (327, 21736), (356, 21904), (374, 22009), (376, 22015), (396, 22150),

Gene: JKSyngboy_32 Start: 30214, Stop: 31977, Start Num: 34

Candidate Starts for JKSyngboy_32:
(Start: 34 @30214 has 86 MA's), (Start: 39 @30250 has 5 MA's), (83, 30379), (86, 30388), (89, 30412), (102, 30484), (105, 30493), (114, 30562), (122, 30613), (123, 30622), (129, 30658), (133, 30673), (135, 30691), (144, 30754), (154, 30799), (156, 30808), (181, 30928), (185, 30943), (186, 30952), (189, 30967), (194, 30997), (248, 31237), (252, 31252), (260, 31294), (261, 31297), (267, 31324), (315, 31507), (346, 31648), (347, 31651), (355, 31699), (361, 31726), (365, 31753), (374, 31807), (380, 31834),

Gene: JSwag_30 Start: 19079, Stop: 20866, Start Num: 50
Candidate Starts for JSwag_30:
(32, 19013), (Start: 41 @19055 has 10 MA's), (Start: 50 @19079 has 603 MA's), (92, 19217), (102, 19274), (110, 19316), (117, 19352), (122, 19391), (134, 19460), (138, 19484), (145, 19538), (176, 19688), (187, 19733), (191, 19763), (199, 19799), (207, 19850), (215, 19886), (224, 19934), (232, 19994), (260, 20123), (277, 20201), (322, 20402), (323, 20408), (339, 20504), (368, 20669), (384, 20768),

Gene: Jaan_31 Start: 22136, Stop: 23908, Start Num: 50
Candidate Starts for Jaan_31:
(Start: 41 @22112 has 10 MA's), (Start: 50 @22136 has 603 MA's), (91, 22271), (96, 22289), (109, 22370), (110, 22373), (121, 22445), (122, 22448), (139, 22559), (143, 22586), (148, 22619), (159, 22664), (165, 22706), (187, 22790), (216, 22946), (221, 22979), (257, 23168), (261, 23183), (286, 23309), (288, 23315), (319, 23426), (322, 23441), (323, 23447), (333, 23501), (338, 23540), (341, 23555), (356, 23639), (374, 23744), (376, 23750), (379, 23768), (382, 23795),

Gene: Jabbawokkie_21 Start: 14267, Stop: 15931, Start Num: 53
Candidate Starts for Jabbawokkie_21:
(Start: 53 @14267 has 7 MA's), (78, 14348), (87, 14378), (90, 14399), (92, 14411), (105, 14477), (111, 14516), (112, 14528), (116, 14552), (124, 14609), (125, 14612), (127, 14636), (129, 14642), (130, 14645), (138, 14690), (139, 14708), (145, 14744), (166, 14855), (176, 14891), (181, 14918), (184, 14930), (185, 14933), (191, 14975), (194, 14987), (199, 15011), (219, 15065), (234, 15164), (256, 15257), (261, 15284), (264, 15296), (278, 15347), (280, 15362), (294, 15416), (310, 15443), (346, 15605), (347, 15608), (348, 15611), (367, 15728), (376, 15770), (386, 15854), (395, 15899), (398, 15917),

Gene: Jabberwocky_33 Start: 31361, Stop: 33124, Start Num: 34
Candidate Starts for Jabberwocky_33:
(31, 31343), (Start: 34 @31361 has 86 MA's), (Start: 39 @31397 has 5 MA's), (86, 31535), (102, 31631), (105, 31640), (114, 31709), (122, 31760), (129, 31805), (133, 31820), (144, 31901), (154, 31946), (156, 31955), (175, 32045), (181, 32075), (185, 32090), (189, 32114), (194, 32144), (223, 32249), (244, 32366), (248, 32384), (252, 32399), (257, 32429), (260, 32441), (261, 32444), (267, 32471), (346, 32795), (347, 32798), (355, 32846), (361, 32873), (365, 32900), (374, 32954), (380, 32981), (398, 33110),

Gene: Jabiru_24 Start: 19026, Stop: 20825, Start Num: 50
Candidate Starts for Jabiru_24:
(Start: 50 @19026 has 603 MA's), (110, 19263), (122, 19338), (125, 19353), (131, 19389), (141, 19461), (143, 19476), (148, 19509), (149, 19512), (150, 19515), (191, 19710), (197, 19740), (199, 19746), (216, 19836), (224, 19881), (234, 19950), (244, 19992), (249, 20010), (260, 20070), (261, 20073), (280, 20166), (313, 20307), (319, 20343), (356, 20556), (373, 20658), (376, 20667), (396, 20802),

Gene: Jabith_28 Start: 20807, Stop: 22606, Start Num: 50
Candidate Starts for Jabith_28:

(32, 20741), (Start: 41 @20783 has 10 MA's), (Start: 50 @20807 has 603 MA's), (68, 20849), (92, 20945), (96, 20960), (109, 21041), (110, 21044), (122, 21119), (125, 21134), (132, 21173), (133, 21179), (139, 21230), (148, 21290), (150, 21296), (165, 21377), (187, 21461), (209, 21587), (214, 21605), (219, 21632), (244, 21773), (257, 21839), (260, 21851), (261, 21854), (304, 22043), (311, 22070), (312, 22079), (315, 22100), (316, 22103), (319, 22124), (322, 22139), (326, 22163), (338, 22238), (341, 22253), (356, 22337), (374, 22442), (376, 22448), (383, 22502), (400, 22601),

Gene: JackSparrow_28 Start: 21464, Stop: 23266, Start Num: 52
Candidate Starts for JackSparrow_28:
(Start: 52 @21464 has 230 MA's), (Start: 61 @21485 has 6 MA's), (Start: 71 @21527 has 1 MA's), (85, 21572), (122, 21788), (129, 21833), (132, 21842), (138, 21881), (144, 21932), (145, 21935), (187, 22130), (200, 22199), (234, 22400), (235, 22403), (239, 22424), (260, 22520), (261, 22523), (263, 22529), (277, 22598), (280, 22616), (282, 22625), (288, 22655), (314, 22751), (319, 22784), (322, 22799), (346, 22940), (356, 22997), (376, 23108),

Gene: Jambalaya_31 Start: 25640, Stop: 27406, Start Num: 34
Candidate Starts for Jambalaya_31:
(28, 25598), (Start: 34 @25640 has 86 MA's), (Start: 39 @25676 has 5 MA's), (Start: 53 @25709 has 7 MA's), (104, 25919), (105, 25922), (109, 25952), (119, 26018), (122, 26042), (123, 26051), (128, 26084), (156, 26237), (162, 26276), (175, 26327), (177, 26339), (181, 26357), (184, 26369), (186, 26381), (189, 26396), (194, 26426), (195, 26429), (199, 26450), (221, 26522), (227, 26570), (252, 26681), (258, 26714), (267, 26753), (268, 26756), (282, 26828), (300, 26894), (308, 26906), (346, 27077), (350, 27089), (351, 27095), (355, 27128), (361, 27155), (365, 27182), (374, 27236), (390, 27353), (395, 27374), (400, 27401),

Gene: Jamzy_21 Start: 15100, Stop: 16788, Start Num: 49
Candidate Starts for Jamzy_21:
(1, 14440), (5, 14623), (37, 15070), (Start: 43 @15097 has 2 MA's), (Start: 49 @15100 has 37 MA's), (91, 15241), (109, 15340), (116, 15385), (143, 15568), (147, 15598), (158, 15640), (162, 15670), (171, 15700), (172, 15712), (174, 15715), (191, 15805), (204, 15871), (206, 15886), (220, 15922), (224, 15937), (226, 15955), (231, 15994), (233, 16000), (253, 16084), (259, 16120), (260, 16123), (261, 16126), (265, 16141), (269, 16159), (270, 16162), (280, 16216), (320, 16345), (322, 16357), (325, 16372), (332, 16384), (345, 16456), (346, 16459), (347, 16462), (364, 16558), (376, 16627), (377, 16636), (396, 16765), (398, 16774), (399, 16780),

Gene: Jasper_28 Start: 20943, Stop: 22745, Start Num: 52
Candidate Starts for Jasper_28:
(Start: 52 @20943 has 230 MA's), (Start: 61 @20964 has 6 MA's), (Start: 71 @21006 has 1 MA's), (85, 21051), (122, 21267), (129, 21312), (132, 21321), (138, 21360), (144, 21411), (145, 21414), (187, 21609), (200, 21678), (234, 21879), (235, 21882), (239, 21903), (260, 21999), (261, 22002), (263, 22008), (277, 22077), (280, 22095), (282, 22104), (288, 22134), (314, 22230), (319, 22263), (322, 22278), (346, 22419), (356, 22476), (376, 22587),

Gene: Jaykayelowell_27 Start: 19823, Stop: 21601, Start Num: 50
Candidate Starts for Jaykayelowell_27:
(Start: 41 @19799 has 10 MA's), (Start: 50 @19823 has 603 MA's), (Start: 71 @19880 has 1 MA's), (87, 19934), (88, 19949), (92, 19967), (107, 20051), (109, 20063), (110, 20066), (122, 20141), (125, 20156), (132, 20195), (148, 20312), (165, 20399), (185, 20480), (195, 20528), (200, 20552), (216, 20639), (224, 20684), (235, 20756), (239, 20777), (244, 20795), (261, 20876), (280, 20969), (282, 20978), (286, 21002), (288, 21008), (295, 21032), (314, 21086), (318, 21107), (326, 21158), (330, 21182), (339, 21236), (356, 21332), (374, 21437), (377, 21452), (393, 21560), (396, 21578),

Gene: Jecs_20 Start: 16953, Stop: 18683, Start Num: 45

Candidate Starts for Jecs_20:
(26, 16836), (37, 16920), (Start: 39 @16932 has 5 MA's), (Start: 45 @16953 has 6 MA's), (107, 17190), (112, 17223), (159, 17508), (165, 17550), (175, 17586), (181, 17616), (186, 17640), (193, 17682), (199, 17709), (218, 17766), (219, 17772), (231, 17859), (316, 18219), (320, 18243), (323, 18261), (346, 18357), (377, 18531), (378, 18534), (388, 18621), (394, 18648),

Gene: Jeeves_28 Start: 19427, Stop: 21226, Start Num: 50
Candidate Starts for Jeeves_28:
(Start: 48 @19424 has 8 MA's), (Start: 50 @19427 has 603 MA's), (91, 19562), (105, 19631), (110, 19664), (113, 19694), (121, 19736), (122, 19739), (133, 19799), (148, 19910), (159, 19955), (161, 19964), (165, 19997), (183, 20072), (185, 20078), (187, 20081), (197, 20141), (217, 20243), (221, 20270), (230, 20330), (235, 20354), (244, 20393), (261, 20474), (307, 20672), (322, 20759), (323, 20765), (338, 20858), (341, 20873), (374, 21062), (376, 21068),

Gene: Jeffabunny_31 Start: 19997, Stop: 21769, Start Num: 50
Candidate Starts for Jeffabunny_31:
(32, 19931), (Start: 41 @19973 has 10 MA's), (Start: 50 @19997 has 603 MA's), (110, 20234), (121, 20306), (122, 20309), (125, 20324), (132, 20363), (133, 20369), (148, 20480), (150, 20486), (159, 20525), (165, 20567), (176, 20606), (185, 20648), (187, 20651), (216, 20807), (240, 20948), (244, 20963), (288, 21176), (318, 21275), (322, 21302), (331, 21353), (333, 21362), (338, 21401), (341, 21416), (356, 21500), (374, 21605), (376, 21611), (396, 21746),

Gene: JenCasNa_29 Start: 20378, Stop: 22174, Start Num: 50
Candidate Starts for JenCasNa_29:
(Start: 50 @20378 has 603 MA's), (Start: 71 @20435 has 1 MA's), (76, 20450), (86, 20483), (88, 20504), (91, 20519), (107, 20606), (109, 20618), (110, 20621), (122, 20696), (125, 20711), (131, 20747), (165, 20954), (191, 21068), (200, 21107), (216, 21194), (234, 21308), (239, 21332), (244, 21350), (261, 21431), (277, 21506), (280, 21524), (286, 21557), (288, 21563), (299, 21602), (313, 21656), (314, 21659), (318, 21680), (327, 21737), (335, 21779), (356, 21905), (374, 22010), (376, 22016), (396, 22151),

Gene: JeppNRM_30 Start: 20458, Stop: 22254, Start Num: 50
Candidate Starts for JeppNRM_30:
(Start: 50 @20458 has 603 MA's), (Start: 71 @20515 has 1 MA's), (76, 20530), (88, 20584), (91, 20599), (107, 20686), (109, 20698), (110, 20701), (122, 20776), (125, 20791), (165, 21034), (200, 21187), (216, 21274), (234, 21388), (239, 21412), (242, 21424), (244, 21430), (261, 21511), (277, 21586), (280, 21604), (282, 21613), (286, 21637), (288, 21643), (299, 21682), (313, 21736), (314, 21739), (318, 21760), (356, 21985), (374, 22090), (376, 22096), (396, 22231),

Gene: Jerm_30 Start: 20633, Stop: 22405, Start Num: 50
Candidate Starts for Jerm_30:
(Start: 41 @20609 has 10 MA's), (Start: 50 @20633 has 603 MA's), (86, 20732), (100, 20816), (109, 20867), (110, 20870), (121, 20942), (122, 20945), (132, 20999), (138, 21038), (148, 21116), (165, 21203), (185, 21284), (187, 21287), (220, 21473), (235, 21560), (257, 21665), (261, 21680), (286, 21806), (288, 21812), (309, 21860), (322, 21938), (323, 21944), (333, 21998), (338, 22037), (341, 22052), (356, 22136), (376, 22247),

Gene: Jerm2_28 Start: 21333, Stop: 23135, Start Num: 52
Candidate Starts for Jerm2_28:
(Start: 52 @21333 has 230 MA's), (Start: 61 @21354 has 6 MA's), (Start: 71 @21396 has 1 MA's), (85, 21441), (122, 21657), (129, 21702), (132, 21711), (138, 21750), (144, 21801), (145, 21804), (187, 21999), (200, 22068), (234, 22269), (235, 22272), (239, 22293), (260, 22389), (261, 22392), (263, 22398), (277, 22467), (280, 22485), (282, 22494), (288, 22524), (314, 22620), (319, 22653), (322,

22668), (346, 22809), (356, 22866), (376, 22977),

Gene: Jester_23 Start: 16278, Stop: 17918, Start Num: 60
Candidate Starts for Jester_23:
(Start: 60 @16278 has 3 MA's), (Start: 64 @16293 has 32 MA's), (75, 16335), (83, 16362), (90, 16398), (113, 16539), (122, 16584), (142, 16713), (148, 16755), (154, 16773), (156, 16782), (Start: 160 @16806 has 1 MA's), (162, 16824), (171, 16854), (174, 16869), (175, 16872), (183, 16911), (187, 16920), (203, 17004), (220, 17058), (224, 17073), (230, 17121), (235, 17145), (260, 17259), (277, 17337), (283, 17376), (286, 17388), (289, 17397), (309, 17418), (322, 17496), (354, 17643), (372, 17742), (374, 17757), (399, 17910),

Gene: JetBlade_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for JetBlade_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: JewelBug_31 Start: 19981, Stop: 21753, Start Num: 50
Candidate Starts for JewelBug_31:
(32, 19915), (Start: 41 @19957 has 10 MA's), (Start: 50 @19981 has 603 MA's), (92, 20119), (103, 20179), (110, 20218), (121, 20290), (122, 20293), (126, 20311), (132, 20347), (133, 20353), (148, 20464), (150, 20470), (159, 20509), (165, 20551), (176, 20590), (185, 20632), (187, 20635), (197, 20695), (240, 20932), (244, 20947), (261, 21028), (279, 21115), (288, 21160), (322, 21286), (331, 21337), (333, 21346), (338, 21385), (339, 21388), (341, 21400), (356, 21484), (374, 21589), (376, 21595), (396, 21730),

Gene: Jiawan_30 Start: 21785, Stop: 23575, Start Num: 50
Candidate Starts for Jiawan_30:
(Start: 48 @21782 has 8 MA's), (Start: 50 @21785 has 603 MA's), (109, 22019), (110, 22022), (121, 22094), (122, 22097), (125, 22112), (132, 22151), (133, 22157), (148, 22268), (165, 22355), (185, 22436), (187, 22439), (220, 22625), (230, 22688), (235, 22712), (237, 22718), (244, 22751), (261, 22832), (286, 22958), (298, 23000), (314, 23060), (319, 23093), (322, 23108), (338, 23207), (339, 23210), (341, 23222), (356, 23306), (367, 23372), (374, 23411), (376, 23417), (382, 23462), (389, 23519), (390, 23522),

Gene: Jobu08_29 Start: 20451, Stop: 22247, Start Num: 50
Candidate Starts for Jobu08_29:
(Start: 50 @20451 has 603 MA's), (Start: 71 @20508 has 1 MA's), (76, 20523), (86, 20556), (88, 20577), (91, 20592), (107, 20679), (109, 20691), (110, 20694), (122, 20769), (125, 20784), (131, 20820), (165, 21027), (200, 21180), (216, 21267), (234, 21381), (239, 21405), (244, 21423), (261, 21504), (277, 21579), (280, 21597), (286, 21630), (288, 21636), (299, 21675), (313, 21729), (314, 21732), (318, 21753), (327, 21810), (356, 21978), (374, 22083), (376, 22089), (396, 22224),

Gene: JohnPork_31 Start: 25852, Stop: 27660, Start Num: 28
Candidate Starts for JohnPork_31:
(28, 25852), (Start: 34 @25894 has 86 MA's), (Start: 39 @25930 has 5 MA's), (Start: 53 @25963 has 7 MA's), (104, 26173), (105, 26176), (109, 26206), (119, 26272), (122, 26296), (123, 26305), (128, 26338), (156, 26491), (162, 26530), (175, 26581), (177, 26593), (181, 26611), (184, 26623), (186, 26635), (189, 26650), (194, 26680), (195, 26683), (199, 26704), (221, 26776), (227, 26824), (252, 26935), (258, 26968), (267, 27007), (268, 27010), (282, 27082), (300, 27148), (308, 27160), (346,

27331), (347, 27334), (355, 27382), (361, 27409), (365, 27436), (366, 27442), (374, 27490), (390, 27607), (395, 27628), (400, 27655),

Gene: JoongJeon_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for JoongJeon_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Jordennis_31 Start: 19942, Stop: 21738, Start Num: 41
Candidate Starts for Jordennis_31:
(32, 19900), (Start: 41 @19942 has 10 MA's), (Start: 50 @19966 has 603 MA's), (103, 20164), (110, 20203), (121, 20275), (122, 20278), (126, 20296), (132, 20332), (133, 20338), (148, 20449), (150, 20455), (165, 20536), (176, 20575), (185, 20617), (187, 20620), (197, 20680), (240, 20917), (244, 20932), (261, 21013), (279, 21100), (288, 21145), (322, 21271), (331, 21322), (333, 21331), (338, 21370), (339, 21373), (341, 21385), (356, 21469), (374, 21574), (376, 21580), (396, 21715),

Gene: Jorgensen_27 Start: 20997, Stop: 22799, Start Num: 52
Candidate Starts for Jorgensen_27:
(Start: 52 @20997 has 230 MA's), (Start: 61 @21018 has 6 MA's), (Start: 71 @21060 has 1 MA's), (85, 21105), (122, 21321), (129, 21366), (132, 21375), (138, 21414), (144, 21465), (145, 21468), (187, 21663), (200, 21732), (234, 21933), (235, 21936), (239, 21957), (260, 22053), (261, 22056), (263, 22062), (277, 22131), (280, 22149), (282, 22158), (288, 22188), (314, 22284), (319, 22317), (322, 22332), (346, 22473), (356, 22530), (376, 22641),

Gene: Joselito_28 Start: 20755, Stop: 22554, Start Num: 50
Candidate Starts for Joselito_28:
(32, 20689), (Start: 41 @20731 has 10 MA's), (Start: 50 @20755 has 603 MA's), (68, 20797), (92, 20893), (96, 20908), (109, 20989), (110, 20992), (122, 21067), (125, 21082), (132, 21121), (133, 21127), (139, 21178), (148, 21238), (150, 21244), (165, 21325), (187, 21409), (209, 21535), (214, 21553), (219, 21580), (244, 21721), (257, 21787), (260, 21799), (261, 21802), (304, 21991), (311, 22018), (312, 22027), (315, 22048), (316, 22051), (319, 22072), (322, 22087), (326, 22111), (338, 22186), (341, 22201), (356, 22285), (374, 22390), (376, 22396), (383, 22450), (400, 22549),

Gene: JoshKayV_30 Start: 20603, Stop: 22375, Start Num: 50
Candidate Starts for JoshKayV_30:
(Start: 41 @20579 has 10 MA's), (Start: 50 @20603 has 603 MA's), (86, 20702), (100, 20786), (109, 20837), (110, 20840), (121, 20912), (122, 20915), (132, 20969), (138, 21008), (148, 21086), (165, 21173), (185, 21254), (187, 21257), (235, 21530), (257, 21635), (261, 21650), (286, 21776), (288, 21782), (309, 21830), (311, 21839), (314, 21860), (319, 21893), (322, 21908), (323, 21914), (333, 21968), (338, 22007), (341, 22022), (356, 22106), (376, 22217),

Gene: Journey13_26 Start: 19324, Stop: 21123, Start Num: 50
Candidate Starts for Journey13_26:
(32, 19258), (Start: 41 @19300 has 10 MA's), (Start: 50 @19324 has 603 MA's), (86, 19423), (92, 19462), (109, 19558), (110, 19561), (121, 19633), (122, 19636), (125, 19651), (132, 19690), (133, 19696), (148, 19807), (150, 19813), (154, 19825), (165, 19894), (179, 19951), (185, 19975), (187, 19978), (209, 20104), (217, 20140), (244, 20290), (257, 20356), (261, 20371), (285, 20494), (304, 20560), (311, 20587), (314, 20608), (315, 20617), (319, 20641), (322, 20656), (326, 20680), (338, 20755), (341, 20770), (374, 20959), (376, 20965), (382, 21010),

Gene: Jovo_24 Start: 19845, Stop: 21644, Start Num: 50
Candidate Starts for Jovo_24:
(Start: 50 @19845 has 603 MA's), (92, 19983), (110, 20082), (122, 20157), (131, 20208), (141, 20280), (143, 20295), (148, 20328), (150, 20334), (169, 20427), (191, 20529), (197, 20559), (199, 20565), (216, 20655), (220, 20685), (231, 20757), (234, 20769), (235, 20772), (244, 20811), (249, 20829), (260, 20889), (261, 20892), (273, 20943), (280, 20985), (313, 21126), (321, 21168), (376, 21486), (396, 21621),

Gene: Jsquared_27 Start: 19089, Stop: 20879, Start Num: 50
Candidate Starts for Jsquared_27:
(32, 19023), (Start: 41 @19065 has 10 MA's), (Start: 50 @19089 has 603 MA's), (92, 19227), (96, 19242), (109, 19323), (110, 19326), (121, 19398), (122, 19401), (132, 19455), (133, 19461), (135, 19479), (143, 19539), (148, 19572), (150, 19578), (159, 19617), (165, 19659), (185, 19740), (187, 19743), (197, 19803), (216, 19899), (220, 19929), (234, 20013), (244, 20055), (255, 20106), (261, 20136), (286, 20262), (307, 20325), (319, 20397), (322, 20412), (326, 20436), (338, 20511), (341, 20526), (356, 20610), (374, 20715), (376, 20721), (379, 20739), (382, 20766), (383, 20775),

Gene: JuliaChild_29 Start: 21585, Stop: 23387, Start Num: 52
Candidate Starts for JuliaChild_29:
(Start: 52 @21585 has 230 MA's), (Start: 61 @21606 has 6 MA's), (Start: 71 @21648 has 1 MA's), (85, 21693), (122, 21909), (129, 21954), (132, 21963), (138, 22002), (144, 22053), (145, 22056), (187, 22251), (200, 22320), (234, 22521), (235, 22524), (239, 22545), (260, 22641), (261, 22644), (263, 22650), (277, 22719), (280, 22737), (282, 22746), (288, 22776), (314, 22872), (319, 22905), (322, 22920), (346, 23061), (356, 23118), (376, 23229),

Gene: Junimo_26 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Junimo_26:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: KADY_30 Start: 20463, Stop: 22259, Start Num: 50
Candidate Starts for KADY_30:
(Start: 50 @20463 has 603 MA's), (Start: 71 @20520 has 1 MA's), (76, 20535), (86, 20568), (88, 20589), (91, 20604), (107, 20691), (109, 20703), (110, 20706), (122, 20781), (125, 20796), (131, 20832), (165, 21039), (191, 21153), (200, 21192), (216, 21279), (234, 21393), (239, 21417), (244, 21435), (261, 21516), (277, 21591), (280, 21609), (286, 21642), (288, 21648), (299, 21687), (313, 21741), (314, 21744), (318, 21765), (327, 21822), (356, 21990), (374, 22095), (376, 22101), (396, 22236),

Gene: KBG_28 Start: 21996, Stop: 23798, Start Num: 52
Candidate Starts for KBG_28:
(Start: 52 @21996 has 230 MA's), (Start: 61 @22017 has 6 MA's), (Start: 71 @22059 has 1 MA's), (85, 22104), (122, 22320), (129, 22365), (132, 22374), (144, 22464), (145, 22467), (187, 22662), (200, 22731), (231, 22920), (234, 22932), (235, 22935), (239, 22956), (260, 23052), (261, 23055), (263, 23061), (277, 23130), (280, 23148), (282, 23157), (288, 23187), (314, 23283), (319, 23316), (322, 23331), (346, 23472), (356, 23529), (376, 23640), (400, 23793),

Gene: KFPoly_27 Start: 19827, Stop: 21605, Start Num: 50

Candidate Starts for KFPoly_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (389, 21549), (393, 21564), (396, 21582),

Gene: KSSJEB_27 Start: 20890, Stop: 22692, Start Num: 52
Candidate Starts for KSSJEB_27:
(Start: 52 @20890 has 230 MA's), (Start: 61 @20911 has 6 MA's), (Start: 71 @20953 has 1 MA's), (85, 20998), (122, 21214), (129, 21259), (132, 21268), (138, 21307), (144, 21358), (145, 21361), (187, 21556), (200, 21625), (234, 21826), (235, 21829), (239, 21850), (260, 21946), (261, 21949), (263, 21955), (277, 22024), (280, 22042), (282, 22051), (288, 22081), (314, 22177), (319, 22210), (322, 22225), (346, 22366), (356, 22423), (376, 22534),

Gene: Kachowdy_27 Start: 19960, Stop: 21759, Start Num: 50
Candidate Starts for Kachowdy_27:
(Start: 50 @19960 has 603 MA's), (Start: 71 @20020 has 1 MA's), (88, 20089), (107, 20191), (109, 20203), (110, 20206), (122, 20281), (125, 20296), (126, 20299), (132, 20335), (154, 20470), (165, 20539), (191, 20653), (216, 20779), (234, 20893), (239, 20917), (242, 20929), (244, 20935), (261, 21016), (277, 21091), (280, 21109), (282, 21118), (286, 21142), (288, 21148), (291, 21163), (307, 21205), (312, 21232), (313, 21241), (314, 21244), (318, 21265), (319, 21277), (356, 21490), (374, 21595), (376, 21601), (396, 21736),

Gene: Kalb97_30 Start: 20459, Stop: 22255, Start Num: 50
Candidate Starts for Kalb97_30:
(Start: 50 @20459 has 603 MA's), (Start: 71 @20516 has 1 MA's), (76, 20531), (88, 20585), (91, 20600), (107, 20687), (109, 20699), (110, 20702), (122, 20777), (125, 20792), (165, 21035), (200, 21188), (216, 21275), (230, 21368), (234, 21389), (239, 21413), (242, 21425), (244, 21431), (261, 21512), (277, 21587), (280, 21605), (282, 21614), (286, 21638), (288, 21644), (291, 21659), (299, 21683), (313, 21737), (314, 21740), (318, 21761), (374, 22091), (376, 22097), (396, 22232),

Gene: Kalnoky_30 Start: 20460, Stop: 22256, Start Num: 50
Candidate Starts for Kalnoky_30:
(Start: 50 @20460 has 603 MA's), (Start: 71 @20517 has 1 MA's), (76, 20532), (88, 20586), (91, 20601), (107, 20688), (109, 20700), (110, 20703), (122, 20778), (125, 20793), (165, 21036), (200, 21189), (216, 21276), (234, 21390), (239, 21414), (242, 21426), (244, 21432), (261, 21513), (277, 21588), (280, 21606), (282, 21615), (286, 21639), (288, 21645), (299, 21684), (313, 21738), (314, 21741), (318, 21762), (356, 21987), (374, 22092), (376, 22098), (396, 22233),

Gene: Kalpine_31 Start: 21962, Stop: 23758, Start Num: 41
Candidate Starts for Kalpine_31:
(Start: 41 @21962 has 10 MA's), (Start: 50 @21986 has 603 MA's), (109, 22220), (110, 22223), (121, 22295), (122, 22298), (132, 22352), (133, 22358), (138, 22391), (148, 22469), (165, 22556), (185, 22637), (187, 22640), (191, 22670), (234, 22910), (235, 22913), (244, 22952), (257, 23018), (261, 23033), (288, 23165), (309, 23213), (314, 23243), (319, 23276), (322, 23291), (323, 23297), (333, 23351), (341, 23405), (356, 23489), (367, 23555), (370, 23567), (374, 23594), (376, 23600),

Gene: Kamaru_20 Start: 16421, Stop: 18118, Start Num: 49
Candidate Starts for Kamaru_20:

(37, 16382), (Start: 49 @16421 has 37 MA's), (Start: 55 @16433 has 1 MA's), (67, 16472), (79, 16511), (86, 16532), (94, 16580), (97, 16589), (103, 16631), (109, 16667), (118, 16724), (125, 16772), (128, 16799), (152, 16940), (162, 16997), (165, 17015), (169, 17024), (171, 17030), (181, 17078), (188, 17108), (193, 17144), (195, 17150), (199, 17171), (200, 17174), (208, 17225), (221, 17252), (222, 17255), (226, 17282), (229, 17309), (246, 17381), (254, 17420), (268, 17474), (276, 17516), (293, 17591), (315, 17654), (320, 17681), (321, 17684), (323, 17699), (343, 17783), (345, 17792), (346, 17795), (348, 17801), (351, 17813), (352, 17816), (355, 17846), (356, 17852), (361, 17873), (362, 17876), (370, 17930), (376, 17960), (377, 17969), (384, 18020), (387, 18053), (390, 18065), (394, 18083),

Gene: Kamashten_34 Start: 30813, Stop: 32576, Start Num: 34
Candidate Starts for Kamashten_34:
(31, 30795), (Start: 34 @30813 has 86 MA's), (Start: 39 @30849 has 5 MA's), (86, 30987), (102, 31083), (105, 31092), (114, 31161), (122, 31212), (129, 31257), (133, 31272), (144, 31353), (154, 31398), (156, 31407), (162, 31446), (175, 31497), (176, 31500), (181, 31527), (185, 31542), (189, 31566), (194, 31596), (223, 31701), (244, 31818), (248, 31836), (252, 31851), (257, 31881), (260, 31893), (261, 31896), (267, 31923), (346, 32247), (347, 32250), (355, 32298), (361, 32325), (365, 32352), (374, 32406), (380, 32433), (398, 32562),

Gene: Kampy_27 Start: 19825, Stop: 21603, Start Num: 50
Candidate Starts for Kampy_27:
(Start: 41 @19801 has 10 MA's), (Start: 50 @19825 has 603 MA's), (Start: 71 @19882 has 1 MA's), (87, 19936), (88, 19951), (92, 19969), (107, 20053), (109, 20065), (110, 20068), (122, 20143), (125, 20158), (132, 20197), (148, 20314), (165, 20401), (185, 20482), (195, 20530), (200, 20554), (216, 20641), (224, 20686), (235, 20758), (239, 20779), (244, 20797), (261, 20878), (280, 20971), (282, 20980), (286, 21004), (288, 21010), (295, 21034), (314, 21088), (318, 21109), (326, 21160), (330, 21184), (339, 21238), (356, 21334), (374, 21439), (377, 21454), (393, 21562), (396, 21580),

Gene: Kanely_28 Start: 21700, Stop: 23502, Start Num: 52
Candidate Starts for Kanely_28:
(Start: 52 @21700 has 230 MA's), (Start: 61 @21721 has 6 MA's), (Start: 71 @21763 has 1 MA's), (85, 21808), (122, 22024), (129, 22069), (132, 22078), (138, 22117), (144, 22168), (145, 22171), (187, 22366), (200, 22435), (234, 22636), (235, 22639), (239, 22660), (260, 22756), (261, 22759), (263, 22765), (277, 22834), (280, 22852), (282, 22861), (288, 22891), (314, 22987), (319, 23020), (322, 23035), (346, 23176), (356, 23233), (376, 23344),

Gene: Katalie136_27 Start: 19826, Stop: 21625, Start Num: 50
Candidate Starts for Katalie136_27:
(Start: 41 @19802 has 10 MA's), (Start: 50 @19826 has 603 MA's), (Start: 71 @19886 has 1 MA's), (88, 19955), (103, 20033), (107, 20057), (109, 20069), (110, 20072), (117, 20108), (122, 20147), (132, 20201), (145, 20294), (148, 20318), (165, 20405), (191, 20519), (200, 20558), (216, 20645), (224, 20690), (234, 20759), (239, 20783), (242, 20795), (261, 20882), (277, 20957), (280, 20975), (282, 20984), (286, 21008), (288, 21014), (291, 21029), (304, 21062), (313, 21107), (314, 21110), (318, 21131), (356, 21356), (370, 21434), (374, 21461), (376, 21467), (396, 21602),

Gene: KatherineG_30 Start: 19215, Stop: 21002, Start Num: 50
Candidate Starts for KatherineG_30:
(32, 19149), (Start: 41 @19191 has 10 MA's), (Start: 50 @19215 has 603 MA's), (92, 19353), (102, 19410), (110, 19452), (117, 19488), (122, 19527), (134, 19596), (138, 19620), (145, 19674), (176, 19824), (187, 19869), (191, 19899), (199, 19935), (207, 19986), (215, 20022), (224, 20070), (232, 20130), (260, 20259), (277, 20337), (322, 20538), (323, 20544), (339, 20640), (368, 20805), (384, 20904),

Gene: Kazan_31 Start: 19982, Stop: 21754, Start Num: 50
Candidate Starts for Kazan_31:
(32, 19916), (Start: 41 @19958 has 10 MA's), (Start: 50 @19982 has 603 MA's), (103, 20180), (110, 20219), (121, 20291), (122, 20294), (126, 20312), (132, 20348), (133, 20354), (148, 20465), (150, 20471), (159, 20510), (165, 20552), (176, 20591), (185, 20633), (187, 20636), (197, 20696), (240, 20933), (244, 20948), (261, 21029), (288, 21161), (322, 21287), (331, 21338), (333, 21347), (338, 21386), (339, 21389), (341, 21401), (356, 21485), (374, 21590), (376, 21596), (396, 21731),

Gene: Keelan_51 Start: 27923, Stop: 29611, Start Num: 44
Candidate Starts for Keelan_51:
(Start: 44 @27923 has 6 MA's), (86, 28037), (117, 28223), (125, 28277), (148, 28433), (170, 28535), (181, 28583), (191, 28640), (231, 28817), (245, 28874), (247, 28883), (260, 28946), (280, 29042), (282, 29051), (306, 29108), (322, 29183), (325, 29198), (345, 29282), (361, 29363), (362, 29366), (364, 29381), (376, 29450), (395, 29579),

Gene: Keitabear_35 Start: 32178, Stop: 33941, Start Num: 34
Candidate Starts for Keitabear_35:
(31, 32160), (Start: 34 @32178 has 86 MA's), (Start: 39 @32214 has 5 MA's), (86, 32352), (102, 32448), (105, 32457), (114, 32526), (122, 32577), (129, 32622), (133, 32637), (144, 32718), (154, 32763), (156, 32772), (175, 32862), (181, 32892), (185, 32907), (189, 32931), (194, 32961), (223, 33066), (244, 33183), (248, 33201), (252, 33216), (260, 33258), (261, 33261), (267, 33288), (343, 33600), (346, 33612), (347, 33615), (355, 33663), (361, 33690), (365, 33717), (374, 33771), (390, 33888), (400, 33936),

Gene: KekoraPapaka_26 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for KekoraPapaka_26:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Kenmech_30 Start: 22406, Stop: 24208, Start Num: 52
Candidate Starts for Kenmech_30:
(Start: 52 @22406 has 230 MA's), (Start: 61 @22427 has 6 MA's), (Start: 71 @22469 has 1 MA's), (85, 22514), (122, 22730), (129, 22775), (132, 22784), (138, 22823), (144, 22874), (145, 22877), (187, 23072), (200, 23141), (234, 23342), (235, 23345), (239, 23366), (260, 23462), (261, 23465), (263, 23471), (277, 23540), (280, 23558), (282, 23567), (288, 23597), (314, 23693), (319, 23726), (322, 23741), (346, 23882), (356, 23939), (376, 24050),

Gene: Kenna_19 Start: 16428, Stop: 18125, Start Num: 49
Candidate Starts for Kenna_19:
(37, 16389), (Start: 49 @16428 has 37 MA's), (Start: 55 @16440 has 1 MA's), (67, 16479), (79, 16518), (86, 16539), (94, 16587), (97, 16596), (103, 16638), (109, 16674), (118, 16731), (125, 16779), (128, 16806), (152, 16947), (162, 17004), (165, 17022), (169, 17031), (171, 17037), (188, 17115), (193, 17151), (195, 17157), (199, 17178), (200, 17181), (208, 17232), (221, 17259), (222, 17262), (226, 17289), (229, 17316), (246, 17388), (254, 17427), (268, 17481), (276, 17523), (293, 17598), (315, 17661), (320, 17688), (321, 17691), (323, 17706), (343, 17790), (345, 17799), (346, 17802), (348, 17808), (351, 17820), (352, 17823), (355, 17853), (356, 17859), (361, 17880), (362, 17883), (370, 17937), (376, 17967), (377, 17976), (384, 18027), (387, 18060), (390, 18072), (394, 18090),

Gene: Kerberos_31 Start: 20049, Stop: 21839, Start Num: 50

Candidate Starts for Kerberos_31:
(32, 19983), (Start: 41 @20025 has 10 MA's), (Start: 50 @20049 has 603 MA's), (96, 20202), (109, 20283), (110, 20286), (121, 20358), (122, 20361), (125, 20376), (132, 20415), (133, 20421), (148, 20532), (154, 20550), (165, 20619), (185, 20700), (187, 20703), (216, 20859), (220, 20889), (261, 21096), (286, 21222), (314, 21324), (319, 21357), (322, 21372), (326, 21396), (338, 21471), (339, 21474), (341, 21486), (356, 21570), (370, 21648), (374, 21675), (376, 21681), (382, 21726), (383, 21735), (396, 21816),

Gene: Kewpiedoll_34 Start: 30220, Stop: 31983, Start Num: 34
Candidate Starts for Kewpiedoll_34:
(31, 30202), (Start: 34 @30220 has 86 MA's), (Start: 39 @30256 has 5 MA's), (86, 30394), (102, 30490), (105, 30499), (114, 30568), (122, 30619), (129, 30664), (133, 30679), (144, 30760), (154, 30805), (156, 30814), (175, 30904), (181, 30934), (185, 30949), (189, 30973), (194, 31003), (223, 31108), (244, 31225), (248, 31243), (252, 31258), (257, 31288), (260, 31300), (261, 31303), (267, 31330), (346, 31654), (347, 31657), (355, 31705), (361, 31732), (365, 31759), (374, 31813), (380, 31840), (398, 31969),

Gene: Keziacharles14_28 Start: 19842, Stop: 21632, Start Num: 50
Candidate Starts for Keziacharles14_28:
(Start: 48 @19839 has 8 MA's), (Start: 50 @19842 has 603 MA's), (97, 19998), (110, 20079), (121, 20151), (122, 20154), (125, 20169), (132, 20208), (133, 20214), (139, 20265), (143, 20292), (144, 20298), (148, 20325), (150, 20331), (161, 20379), (165, 20412), (185, 20493), (187, 20496), (197, 20556), (220, 20682), (230, 20745), (255, 20859), (261, 20889), (266, 20907), (304, 21069), (314, 21117), (319, 21150), (322, 21165), (326, 21189), (338, 21264), (341, 21279), (356, 21363), (371, 21444), (374, 21468), (382, 21519), (389, 21576),

Gene: KikiBouba_30 Start: 22424, Stop: 24226, Start Num: 52
Candidate Starts for KikiBouba_30:
(Start: 52 @22424 has 230 MA's), (Start: 61 @22445 has 6 MA's), (Start: 71 @22487 has 1 MA's), (85, 22532), (122, 22748), (129, 22793), (132, 22802), (138, 22841), (144, 22892), (145, 22895), (187, 23090), (200, 23159), (234, 23360), (235, 23363), (239, 23384), (260, 23480), (261, 23483), (263, 23489), (277, 23558), (280, 23576), (282, 23585), (288, 23615), (314, 23711), (319, 23744), (322, 23759), (327, 23789), (346, 23900), (356, 23957), (376, 24068), (400, 24221),

Gene: Killigrew_25 Start: 20612, Stop: 22414, Start Num: 52
Candidate Starts for Killigrew_25:
(Start: 52 @20612 has 230 MA's), (Start: 61 @20633 has 6 MA's), (Start: 71 @20675 has 1 MA's), (85, 20720), (122, 20936), (129, 20981), (132, 20990), (144, 21080), (145, 21083), (187, 21278), (200, 21347), (234, 21548), (235, 21551), (239, 21572), (260, 21668), (261, 21671), (263, 21677), (277, 21746), (280, 21764), (282, 21773), (288, 21803), (314, 21899), (319, 21932), (322, 21947), (346, 22088), (356, 22145), (376, 22256), (400, 22409),

Gene: Kimba_28 Start: 20807, Stop: 22606, Start Num: 50
Candidate Starts for Kimba_28:
(32, 20741), (Start: 41 @20783 has 10 MA's), (Start: 50 @20807 has 603 MA's), (68, 20849), (92, 20945), (96, 20960), (109, 21041), (110, 21044), (122, 21119), (125, 21134), (132, 21173), (133, 21179), (139, 21230), (148, 21290), (150, 21296), (165, 21377), (187, 21461), (209, 21587), (214, 21605), (219, 21632), (244, 21773), (257, 21839), (260, 21851), (261, 21854), (304, 22043), (311, 22070), (312, 22079), (315, 22100), (316, 22103), (319, 22124), (322, 22139), (326, 22163), (338, 22238), (341, 22253), (356, 22337), (374, 22442), (376, 22448), (383, 22502), (400, 22601),

Gene: KimmyK_33 Start: 26575, Stop: 28341, Start Num: 34
Candidate Starts for KimmyK_33:

(28, 26533), (Start: 34 @26575 has 86 MA's), (Start: 39 @26611 has 5 MA's), (Start: 53 @26644 has 7 MA's), (104, 26854), (105, 26857), (109, 26887), (119, 26953), (122, 26977), (123, 26986), (128, 27019), (156, 27172), (162, 27211), (175, 27262), (177, 27274), (181, 27292), (184, 27304), (186, 27316), (189, 27331), (194, 27361), (195, 27364), (199, 27385), (221, 27457), (227, 27505), (252, 27616), (258, 27649), (267, 27688), (268, 27691), (282, 27763), (300, 27829), (308, 27841), (346, 28012), (347, 28015), (355, 28063), (361, 28090), (365, 28117), (374, 28171), (390, 28288), (395, 28309), (400, 28336),

Gene: Kimona_24 Start: 17863, Stop: 19656, Start Num: 50
Candidate Starts for Kimona_24:
(Start: 50 @17863 has 603 MA's), (63, 17884), (88, 17986), (89, 17989), (92, 18004), (109, 18100), (110, 18103), (122, 18178), (125, 18193), (132, 18232), (144, 18322), (154, 18367), (165, 18436), (187, 18520), (191, 18550), (197, 18580), (199, 18586), (203, 18604), (216, 18676), (224, 18721), (234, 18790), (239, 18814), (242, 18826), (244, 18832), (261, 18913), (280, 19006), (282, 19015), (288, 19045), (291, 19060), (313, 19138), (314, 19141), (318, 19162), (344, 19324), (356, 19387), (373, 19489), (376, 19498), (387, 19591), (391, 19609), (400, 19651),

Gene: KingCyrus_30 Start: 20600, Stop: 22372, Start Num: 50
Candidate Starts for KingCyrus_30:
(Start: 41 @20576 has 10 MA's), (Start: 50 @20600 has 603 MA's), (86, 20699), (100, 20783), (109, 20834), (110, 20837), (121, 20909), (122, 20912), (132, 20966), (138, 21005), (143, 21050), (148, 21083), (165, 21170), (185, 21251), (187, 21254), (235, 21527), (257, 21632), (261, 21647), (286, 21773), (288, 21779), (309, 21827), (311, 21836), (314, 21857), (319, 21890), (322, 21905), (323, 21911), (333, 21965), (338, 22004), (341, 22019), (356, 22103), (376, 22214),

Gene: Kingmustik0402_27 Start: 19819, Stop: 21597, Start Num: 50
Candidate Starts for Kingmustik0402_27:
(Start: 41 @19795 has 10 MA's), (Start: 50 @19819 has 603 MA's), (Start: 71 @19876 has 1 MA's), (87, 19930), (88, 19945), (92, 19963), (107, 20047), (109, 20059), (110, 20062), (122, 20137), (125, 20152), (132, 20191), (148, 20308), (165, 20395), (185, 20476), (195, 20524), (200, 20548), (216, 20635), (224, 20680), (235, 20752), (239, 20773), (244, 20791), (261, 20872), (280, 20965), (282, 20974), (286, 20998), (288, 21004), (295, 21028), (314, 21082), (318, 21103), (326, 21154), (330, 21178), (339, 21232), (356, 21328), (374, 21433), (377, 21448), (393, 21556), (396, 21574),

Gene: Kinmap_28 Start: 19779, Stop: 21569, Start Num: 50
Candidate Starts for Kinmap_28:
(Start: 50 @19779 has 603 MA's), (109, 20013), (110, 20016), (121, 20088), (122, 20091), (132, 20145), (165, 20349), (185, 20430), (200, 20502), (216, 20589), (235, 20706), (242, 20739), (261, 20826), (312, 21042), (314, 21054), (322, 21102), (338, 21201), (356, 21300), (370, 21378), (376, 21411), (379, 21429), (383, 21465), (396, 21546),

Gene: Kipper29_31 Start: 19976, Stop: 21748, Start Num: 50
Candidate Starts for Kipper29_31:
(32, 19910), (Start: 41 @19952 has 10 MA's), (Start: 50 @19976 has 603 MA's), (103, 20174), (110, 20213), (121, 20285), (122, 20288), (126, 20306), (132, 20342), (133, 20348), (148, 20459), (150, 20465), (159, 20504), (165, 20546), (176, 20585), (185, 20627), (187, 20630), (197, 20690), (240, 20927), (244, 20942), (261, 21023), (288, 21155), (322, 21281), (331, 21332), (333, 21341), (338, 21380), (339, 21383), (341, 21395), (356, 21479), (374, 21584), (376, 21590), (396, 21725),

Gene: KittenMittens_26 Start: 17889, Stop: 19667, Start Num: 50
Candidate Starts for KittenMittens_26:
(Start: 41 @17865 has 10 MA's), (Start: 50 @17889 has 603 MA's), (Start: 71 @17946 has 1 MA's), (76, 17961), (88, 18015), (109, 18129), (110, 18132), (122, 18207), (127, 18246), (148, 18378), (165,

18465), (183, 18540), (191, 18579), (200, 18618), (216, 18705), (224, 18750), (234, 18819), (239, 18843), (242, 18855), (244, 18861), (280, 19035), (282, 19044), (286, 19068), (288, 19074), (291, 19089), (309, 19122), (318, 19173), (327, 19230), (328, 19236), (356, 19398), (374, 19503), (376, 19509), (377, 19518), (396, 19644),

Gene: Klodlith_28 Start: 19699, Stop: 21489, Start Num: 50
Candidate Starts for Klodlith_28:
(32, 19633), (Start: 41 @19675 has 10 MA's), (Start: 50 @19699 has 603 MA's), (109, 19933), (110, 19936), (121, 20008), (122, 20011), (126, 20029), (132, 20065), (133, 20071), (139, 20122), (143, 20149), (144, 20155), (148, 20182), (150, 20188), (165, 20269), (185, 20350), (187, 20353), (197, 20413), (230, 20602), (244, 20665), (255, 20716), (261, 20746), (286, 20872), (314, 20974), (315, 20983), (319, 21007), (322, 21022), (326, 21046), (338, 21121), (341, 21136), (356, 21220), (374, 21325), (376, 21331), (383, 21385), (389, 21433),

Gene: Koan_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Koan_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Koduck_29 Start: 19329, Stop: 21119, Start Num: 50
Candidate Starts for Koduck_29:
(32, 19263), (Start: 41 @19305 has 10 MA's), (Start: 50 @19329 has 603 MA's), (73, 19383), (96, 19482), (103, 19527), (109, 19563), (110, 19566), (121, 19638), (122, 19641), (132, 19695), (133, 19701), (143, 19779), (148, 19812), (150, 19818), (159, 19857), (165, 19899), (185, 19980), (187, 19983), (220, 20169), (234, 20253), (244, 20295), (255, 20346), (261, 20376), (286, 20502), (315, 20613), (316, 20616), (319, 20637), (322, 20652), (326, 20676), (338, 20751), (341, 20766), (356, 20850), (374, 20955), (376, 20961), (379, 20979), (382, 21006), (383, 21015),

Gene: Koko_31 Start: 20314, Stop: 22086, Start Num: 50
Candidate Starts for Koko_31:
(32, 20248), (Start: 41 @20290 has 10 MA's), (Start: 50 @20314 has 603 MA's), (110, 20551), (121, 20623), (122, 20626), (125, 20641), (132, 20680), (133, 20686), (148, 20797), (150, 20803), (159, 20842), (165, 20884), (176, 20923), (185, 20965), (187, 20968), (216, 21124), (240, 21265), (244, 21280), (288, 21493), (318, 21592), (322, 21619), (331, 21670), (333, 21679), (338, 21718), (341, 21733), (356, 21817), (374, 21922), (376, 21928), (396, 22063),

Gene: Koreni_26 Start: 19473, Stop: 21251, Start Num: 50
Candidate Starts for Koreni_26:
(Start: 41 @19449 has 10 MA's), (Start: 50 @19473 has 603 MA's), (Start: 71 @19530 has 1 MA's), (87, 19584), (88, 19599), (92, 19617), (107, 19701), (109, 19713), (110, 19716), (122, 19791), (125, 19806), (132, 19845), (148, 19962), (165, 20049), (185, 20130), (195, 20178), (200, 20202), (216, 20289), (224, 20334), (235, 20406), (239, 20427), (244, 20445), (261, 20526), (280, 20619), (282, 20628), (286, 20652), (288, 20658), (295, 20682), (314, 20736), (318, 20757), (326, 20808), (330, 20832), (339, 20886), (356, 20982), (374, 21087), (377, 21102), (393, 21210), (396, 21228),

Gene: Kratark_27 Start: 19822, Stop: 21600, Start Num: 50
Candidate Starts for Kratark_27:
(Start: 41 @19798 has 10 MA's), (Start: 50 @19822 has 603 MA's), (Start: 71 @19879 has 1 MA's), (87, 19933), (88, 19948), (92, 19966), (107, 20050), (109, 20062), (110, 20065), (122, 20140), (125,

20155), (132, 20194), (148, 20311), (165, 20398), (185, 20479), (195, 20527), (200, 20551), (216, 20638), (224, 20683), (235, 20755), (239, 20776), (244, 20794), (261, 20875), (280, 20968), (282, 20977), (286, 21001), (288, 21007), (295, 21031), (314, 21085), (318, 21106), (326, 21157), (330, 21181), (356, 21331), (374, 21436), (377, 21451), (393, 21559), (396, 21577),

Gene: Kremtemulon_27 Start: 19875, Stop: 21653, Start Num: 50
Candidate Starts for Kremtemulon_27:
(Start: 41 @19851 has 10 MA's), (Start: 50 @19875 has 603 MA's), (Start: 71 @19932 has 1 MA's), (87, 19986), (88, 20001), (92, 20019), (107, 20103), (109, 20115), (110, 20118), (122, 20193), (125, 20208), (132, 20247), (148, 20364), (165, 20451), (185, 20532), (195, 20580), (200, 20604), (216, 20691), (224, 20736), (235, 20808), (239, 20829), (244, 20847), (261, 20928), (280, 21021), (282, 21030), (286, 21054), (288, 21060), (295, 21084), (314, 21138), (318, 21159), (326, 21210), (330, 21234), (339, 21288), (356, 21384), (374, 21489), (377, 21504), (393, 21612), (396, 21630),

Gene: Krishelle_23 Start: 16620, Stop: 18245, Start Num: 64
Candidate Starts for Krishelle_23:
(Start: 60 @16605 has 3 MA's), (Start: 64 @16620 has 32 MA's), (75, 16662), (83, 16689), (90, 16725), (113, 16866), (122, 16911), (142, 17040), (148, 17082), (154, 17100), (156, 17109), (Start: 160 @17133 has 1 MA's), (162, 17151), (171, 17181), (174, 17196), (175, 17199), (183, 17238), (187, 17247), (203, 17331), (220, 17385), (224, 17400), (230, 17448), (235, 17472), (260, 17586), (277, 17664), (283, 17703), (286, 17715), (289, 17724), (309, 17745), (322, 17823), (354, 17970), (372, 18069), (374, 18084), (399, 18237),

Gene: Kristoff_28 Start: 19986, Stop: 21764, Start Num: 50
Candidate Starts for Kristoff_28:
(Start: 50 @19986 has 603 MA's), (Start: 71 @20043 has 1 MA's), (76, 20058), (86, 20091), (88, 20112), (107, 20214), (109, 20226), (110, 20229), (122, 20304), (125, 20319), (132, 20358), (148, 20475), (154, 20493), (165, 20562), (183, 20637), (191, 20676), (200, 20715), (216, 20802), (224, 20847), (230, 20895), (234, 20916), (239, 20940), (242, 20952), (244, 20958), (261, 21039), (280, 21132), (282, 21141), (286, 21165), (288, 21171), (291, 21186), (309, 21219), (318, 21270), (321, 21288), (346, 21438), (356, 21495), (362, 21519), (363, 21525), (374, 21600), (376, 21606), (377, 21615), (384, 21666), (396, 21741),

Gene: Kroos_35 Start: 30392, Stop: 32155, Start Num: 34
Candidate Starts for Kroos_35:
(Start: 34 @30392 has 86 MA's), (Start: 39 @30428 has 5 MA's), (83, 30557), (86, 30566), (89, 30590), (102, 30662), (105, 30671), (114, 30740), (122, 30791), (129, 30836), (133, 30851), (135, 30869), (144, 30932), (154, 30977), (156, 30986), (181, 31106), (185, 31121), (186, 31130), (189, 31145), (194, 31175), (244, 31397), (248, 31415), (252, 31430), (260, 31472), (261, 31475), (267, 31502), (294, 31622), (321, 31715), (346, 31826), (347, 31829), (355, 31877), (361, 31904), (365, 31931), (374, 31985),

Gene: Kugel_28 Start: 21273, Stop: 23075, Start Num: 52
Candidate Starts for Kugel_28:
(Start: 52 @21273 has 230 MA's), (Start: 61 @21294 has 6 MA's), (Start: 71 @21336 has 1 MA's), (85, 21381), (122, 21597), (129, 21642), (132, 21651), (138, 21690), (144, 21741), (145, 21744), (187, 21939), (200, 22008), (234, 22209), (235, 22212), (239, 22233), (260, 22329), (261, 22332), (263, 22338), (277, 22407), (280, 22425), (282, 22434), (288, 22464), (314, 22560), (319, 22593), (322, 22608), (346, 22749), (356, 22806), (376, 22917),

Gene: Kwobi_36 Start: 30378, Stop: 32141, Start Num: 34
Candidate Starts for Kwobi_36:

(Start: 34 @30378 has 86 MA's), (Start: 39 @30414 has 5 MA's), (83, 30543), (86, 30552), (89, 30576), (102, 30648), (105, 30657), (114, 30726), (122, 30777), (129, 30822), (133, 30837), (135, 30855), (144, 30918), (154, 30963), (156, 30972), (181, 31092), (185, 31107), (186, 31116), (189, 31131), (194, 31161), (244, 31383), (248, 31401), (252, 31416), (260, 31458), (261, 31461), (267, 31488), (294, 31608), (321, 31701), (346, 31812), (347, 31815), (355, 31863), (361, 31890), (365, 31917), (374, 31971),

Gene: KyMonks1A_29 Start: 21439, Stop: 23241, Start Num: 52
Candidate Starts for KyMonks1A_29:
(Start: 52 @21439 has 230 MA's), (Start: 61 @21460 has 6 MA's), (Start: 71 @21502 has 1 MA's), (85, 21547), (122, 21763), (129, 21808), (132, 21817), (138, 21856), (144, 21907), (145, 21910), (187, 22105), (200, 22174), (234, 22375), (235, 22378), (239, 22399), (260, 22495), (261, 22498), (263, 22504), (277, 22573), (280, 22591), (282, 22600), (288, 22630), (314, 22726), (319, 22759), (322, 22774), (346, 22915), (356, 22972), (376, 23083),

Gene: Kyee_27 Start: 19828, Stop: 21606, Start Num: 50
Candidate Starts for Kyee_27:
(Start: 41 @19804 has 10 MA's), (Start: 50 @19828 has 603 MA's), (Start: 71 @19885 has 1 MA's), (87, 19939), (88, 19954), (92, 19972), (107, 20056), (109, 20068), (110, 20071), (122, 20146), (125, 20161), (132, 20200), (148, 20317), (165, 20404), (185, 20485), (195, 20533), (200, 20557), (216, 20644), (224, 20689), (235, 20761), (239, 20782), (244, 20800), (261, 20881), (280, 20974), (282, 20983), (286, 21007), (288, 21013), (295, 21037), (314, 21091), (318, 21112), (326, 21163), (330, 21187), (356, 21337), (374, 21442), (377, 21457), (393, 21565), (396, 21583),

Gene: Kykar_25 Start: 20786, Stop: 22588, Start Num: 52
Candidate Starts for Kykar_25:
(Start: 52 @20786 has 230 MA's), (Start: 61 @20807 has 6 MA's), (Start: 71 @20849 has 1 MA's), (85, 20894), (122, 21110), (129, 21155), (132, 21164), (138, 21203), (144, 21254), (145, 21257), (187, 21452), (200, 21521), (234, 21722), (235, 21725), (239, 21746), (260, 21842), (261, 21845), (263, 21851), (277, 21920), (280, 21938), (282, 21947), (288, 21977), (314, 22073), (319, 22106), (322, 22121), (346, 22262), (356, 22319), (376, 22430), (400, 22583),

Gene: L5_28 Start: 19340, Stop: 21130, Start Num: 50
Candidate Starts for L5_28:
(32, 19274), (Start: 41 @19316 has 10 MA's), (Start: 50 @19340 has 603 MA's), (73, 19394), (96, 19493), (103, 19538), (109, 19574), (110, 19577), (121, 19649), (122, 19652), (132, 19706), (133, 19712), (143, 19790), (148, 19823), (150, 19829), (159, 19868), (165, 19910), (185, 19991), (187, 19994), (220, 20180), (234, 20264), (244, 20306), (255, 20357), (261, 20387), (286, 20513), (315, 20624), (316, 20627), (319, 20648), (322, 20663), (326, 20687), (338, 20762), (341, 20777), (356, 20861), (374, 20966), (376, 20972), (379, 20990), (382, 21017), (383, 21026),

Gene: LBerry_29 Start: 20379, Stop: 22175, Start Num: 50
Candidate Starts for LBerry_29:
(Start: 50 @20379 has 603 MA's), (Start: 71 @20436 has 1 MA's), (76, 20451), (86, 20484), (88, 20505), (91, 20520), (107, 20607), (109, 20619), (110, 20622), (122, 20697), (125, 20712), (131, 20748), (165, 20955), (191, 21069), (200, 21108), (216, 21195), (234, 21309), (239, 21333), (244, 21351), (261, 21432), (277, 21507), (280, 21525), (286, 21558), (288, 21564), (299, 21603), (313, 21657), (314, 21660), (318, 21681), (327, 21738), (356, 21906), (374, 22011), (376, 22017), (396, 22152),

Gene: LHTSCC_28 Start: 20138, Stop: 21919, Start Num: 50
Candidate Starts for LHTSCC_28:

(Start: 41 @20114 has 10 MA's), (Start: 50 @20138 has 603 MA's), (Start: 54 @20144 has 3 MA's), (Start: 71 @20198 has 1 MA's), (76, 20213), (88, 20267), (92, 20285), (107, 20369), (109, 20381), (110, 20384), (122, 20459), (125, 20474), (132, 20513), (148, 20630), (165, 20717), (185, 20798), (195, 20846), (200, 20870), (216, 20957), (224, 21002), (235, 21074), (239, 21095), (244, 21113), (261, 21194), (277, 21269), (280, 21287), (282, 21296), (286, 21320), (288, 21326), (295, 21350), (312, 21392), (314, 21404), (318, 21425), (326, 21476), (330, 21500), (339, 21554), (356, 21650), (374, 21755), (377, 21770), (393, 21878), (396, 21896),

Gene: LadyBird_28 Start: 20171, Stop: 21943, Start Num: 50
Candidate Starts for LadyBird_28:
(Start: 41 @20147 has 10 MA's), (Start: 50 @20171 has 603 MA's), (86, 20270), (109, 20405), (110, 20408), (121, 20480), (122, 20483), (132, 20537), (133, 20543), (138, 20576), (148, 20654), (165, 20741), (185, 20822), (187, 20825), (235, 21098), (257, 21203), (261, 21218), (286, 21344), (288, 21350), (309, 21398), (319, 21461), (322, 21476), (323, 21482), (328, 21512), (333, 21536), (338, 21575), (341, 21590), (356, 21674),

Gene: Lambert1_28 Start: 20455, Stop: 22254, Start Num: 50
Candidate Starts for Lambert1_28:
(Start: 50 @20455 has 603 MA's), (Start: 71 @20515 has 1 MA's), (88, 20584), (107, 20686), (109, 20698), (110, 20701), (122, 20776), (125, 20791), (132, 20830), (154, 20965), (165, 21034), (191, 21148), (216, 21274), (234, 21388), (239, 21412), (242, 21424), (244, 21430), (261, 21511), (277, 21586), (280, 21604), (282, 21613), (286, 21637), (288, 21643), (291, 21658), (304, 21691), (313, 21736), (314, 21739), (318, 21760), (339, 21889), (356, 21985), (374, 22090), (376, 22096), (396, 22231),

Gene: Lamina13_27 Start: 20710, Stop: 22512, Start Num: 52
Candidate Starts for Lamina13_27:
(Start: 52 @20710 has 230 MA's), (Start: 61 @20731 has 6 MA's), (Start: 71 @20773 has 1 MA's), (85, 20818), (122, 21034), (129, 21079), (132, 21088), (138, 21127), (144, 21178), (145, 21181), (162, 21274), (187, 21376), (200, 21445), (231, 21634), (234, 21646), (235, 21649), (239, 21670), (260, 21766), (261, 21769), (263, 21775), (277, 21844), (280, 21862), (282, 21871), (288, 21901), (314, 21997), (319, 22030), (322, 22045), (346, 22186), (356, 22243), (376, 22354),

Gene: Landor_29 Start: 21788, Stop: 23560, Start Num: 50
Candidate Starts for Landor_29:
(Start: 41 @21764 has 10 MA's), (Start: 50 @21788 has 603 MA's), (91, 21923), (96, 21941), (109, 22022), (110, 22025), (121, 22097), (122, 22100), (139, 22211), (143, 22238), (148, 22271), (159, 22316), (165, 22358), (187, 22442), (216, 22598), (221, 22631), (257, 22820), (261, 22835), (286, 22961), (288, 22967), (319, 23078), (322, 23093), (323, 23099), (333, 23153), (338, 23192), (341, 23207), (356, 23291), (374, 23396), (376, 23402), (379, 23420), (382, 23447),

Gene: LappelDuVide_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for LappelDuVide_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Larenn_29 Start: 20468, Stop: 22240, Start Num: 50
Candidate Starts for Larenn_29:

(Start: 41 @20444 has 10 MA's), (Start: 50 @20468 has 603 MA's), (91, 20603), (96, 20621), (109, 20702), (110, 20705), (113, 20735), (121, 20777), (122, 20780), (132, 20834), (133, 20840), (141, 20903), (143, 20918), (148, 20951), (157, 20984), (165, 21038), (185, 21119), (187, 21122), (191, 21152), (235, 21395), (257, 21500), (261, 21515), (288, 21647), (319, 21758), (322, 21773), (323, 21779), (333, 21833), (338, 21872), (341, 21887), (348, 21920), (376, 22082), (383, 22136),

Gene: LarryKay_29 Start: 20465, Stop: 22261, Start Num: 50
Candidate Starts for LarryKay_29:
(Start: 50 @20465 has 603 MA's), (Start: 71 @20522 has 1 MA's), (76, 20537), (86, 20570), (88, 20591), (91, 20606), (107, 20693), (109, 20705), (110, 20708), (122, 20783), (125, 20798), (131, 20834), (165, 21041), (191, 21155), (200, 21194), (216, 21281), (234, 21395), (239, 21419), (244, 21437), (261, 21518), (277, 21593), (280, 21611), (286, 21644), (288, 21650), (299, 21689), (313, 21743), (314, 21746), (318, 21767), (327, 21824), (356, 21992), (374, 22097), (376, 22103), (396, 22238),

Gene: LastResort_30 Start: 19096, Stop: 20883, Start Num: 50
Candidate Starts for LastResort_30:
(32, 19030), (Start: 41 @19072 has 10 MA's), (Start: 50 @19096 has 603 MA's), (92, 19234), (102, 19291), (110, 19333), (117, 19369), (122, 19408), (134, 19477), (138, 19501), (145, 19555), (176, 19705), (187, 19750), (191, 19780), (199, 19816), (207, 19867), (215, 19903), (224, 19951), (232, 20011), (260, 20140), (277, 20218), (322, 20419), (323, 20425), (339, 20521), (368, 20686), (384, 20785),

Gene: Lederberg_17 Start: 16305, Stop: 18002, Start Num: 39
Candidate Starts for Lederberg_17:
(Start: 39 @16305 has 5 MA's), (Start: 45 @16326 has 6 MA's), (75, 16410), (83, 16437), (85, 16443), (108, 16575), (118, 16626), (122, 16659), (123, 16668), (144, 16803), (150, 16836), (155, 16854), (163, 16908), (176, 16953), (189, 17010), (190, 17022), (198, 17061), (217, 17112), (219, 17121), (222, 17142), (231, 17208), (253, 17298), (275, 17406), (284, 17460), (286, 17466), (290, 17484), (324, 17580), (330, 17601), (340, 17646), (368, 17805), (372, 17820), (375, 17835), (377, 17847), (399, 17991),

Gene: Lemur_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Lemur_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Lennon_35 Start: 31965, Stop: 33728, Start Num: 34
Candidate Starts for Lennon_35:
(31, 31947), (Start: 34 @31965 has 86 MA's), (Start: 39 @32001 has 5 MA's), (86, 32139), (102, 32235), (105, 32244), (114, 32313), (122, 32364), (129, 32409), (133, 32424), (144, 32505), (154, 32550), (156, 32559), (175, 32649), (181, 32679), (185, 32694), (189, 32718), (194, 32748), (223, 32853), (244, 32970), (248, 32988), (252, 33003), (257, 33033), (260, 33045), (261, 33048), (267, 33075), (346, 33399), (347, 33402), (355, 33450), (361, 33477), (365, 33504), (374, 33558), (380, 33585), (400, 33723),

Gene: LeoAvram_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for LeoAvram_27:

(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (215, 20637), (216, 20640), (224, 20685), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Leogania_30 Start: 22330, Stop: 24102, Start Num: 50
Candidate Starts for Leogania_30:
(Start: 41 @22306 has 10 MA's), (Start: 50 @22330 has 603 MA's), (91, 22465), (96, 22483), (109, 22564), (110, 22567), (121, 22639), (122, 22642), (132, 22696), (148, 22813), (157, 22846), (165, 22900), (180, 22960), (185, 22981), (187, 22984), (220, 23170), (235, 23257), (244, 23296), (261, 23377), (286, 23503), (288, 23509), (295, 23533), (309, 23557), (319, 23620), (322, 23635), (323, 23641), (333, 23695), (338, 23734), (341, 23749), (371, 23914), (376, 23944),

Gene: Leroy_20 Start: 16435, Stop: 18132, Start Num: 49
Candidate Starts for Leroy_20:
(37, 16396), (Start: 49 @16435 has 37 MA's), (Start: 55 @16447 has 1 MA's), (57, 16450), (67, 16486), (79, 16525), (86, 16546), (93, 16588), (94, 16594), (95, 16597), (99, 16609), (103, 16645), (109, 16681), (118, 16738), (125, 16786), (128, 16813), (144, 16915), (152, 16954), (162, 17011), (165, 17029), (169, 17038), (171, 17044), (181, 17092), (188, 17122), (193, 17158), (195, 17164), (199, 17185), (200, 17188), (208, 17239), (221, 17266), (222, 17269), (226, 17296), (229, 17323), (246, 17395), (254, 17434), (268, 17488), (282, 17560), (293, 17605), (320, 17695), (323, 17713), (343, 17797), (345, 17806), (346, 17809), (348, 17815), (352, 17830), (355, 17860), (356, 17866), (361, 17887), (362, 17890), (370, 17944), (376, 17974), (377, 17983), (384, 18034), (387, 18067), (390, 18079), (394, 18097),

Gene: Lesedi_26 Start: 20868, Stop: 22670, Start Num: 52
Candidate Starts for Lesedi_26:
(Start: 52 @20868 has 230 MA's), (Start: 61 @20889 has 6 MA's), (Start: 71 @20931 has 1 MA's), (85, 20976), (122, 21192), (129, 21237), (132, 21246), (138, 21285), (144, 21336), (145, 21339), (187, 21534), (200, 21603), (234, 21804), (235, 21807), (239, 21828), (260, 21924), (261, 21927), (263, 21933), (277, 22002), (280, 22020), (282, 22029), (288, 22059), (314, 22155), (319, 22188), (322, 22203), (346, 22344), (356, 22401), (376, 22512),

Gene: Lev2_24 Start: 19477, Stop: 21276, Start Num: 50
Candidate Starts for Lev2_24:
(Start: 50 @19477 has 603 MA's), (87, 19582), (92, 19615), (110, 19714), (122, 19789), (125, 19804), (131, 19840), (141, 19912), (143, 19927), (148, 19960), (150, 19966), (197, 20191), (199, 20197), (216, 20287), (232, 20392), (234, 20401), (244, 20443), (249, 20461), (260, 20521), (261, 20524), (277, 20599), (280, 20617), (313, 20758), (319, 20794), (356, 21007), (373, 21109), (376, 21118), (392, 21232), (396, 21253), (398, 21262),

Gene: Levia_27 Start: 21857, Stop: 23659, Start Num: 52
Candidate Starts for Levia_27:
(Start: 52 @21857 has 230 MA's), (Start: 61 @21878 has 6 MA's), (Start: 71 @21920 has 1 MA's), (85, 21965), (122, 22181), (129, 22226), (132, 22235), (138, 22274), (144, 22325), (145, 22328), (187, 22523), (200, 22592), (234, 22793), (235, 22796), (239, 22817), (260, 22913), (261, 22916), (263, 22922), (277, 22991), (280, 23009), (282, 23018), (288, 23048), (314, 23144), (319, 23177), (322, 23192), (346, 23333), (356, 23390), (376, 23501),

Gene: Leviathan_30 Start: 20689, Stop: 22461, Start Num: 50
Candidate Starts for Leviathan_30:

(Start: 41 @20665 has 10 MA's), (Start: 50 @20689 has 603 MA's), (76, 20755), (86, 20788), (100, 20872), (109, 20923), (110, 20926), (121, 20998), (122, 21001), (132, 21055), (138, 21094), (148, 21172), (165, 21259), (185, 21340), (187, 21343), (220, 21529), (235, 21616), (257, 21721), (261, 21736), (286, 21862), (288, 21868), (309, 21916), (322, 21994), (323, 22000), (333, 22054), (338, 22093), (341, 22108), (356, 22192), (376, 22303),

Gene: Licorice_29 Start: 22097, Stop: 23899, Start Num: 52
Candidate Starts for Licorice_29:
(Start: 52 @22097 has 230 MA's), (Start: 61 @22118 has 6 MA's), (Start: 71 @22160 has 1 MA's), (85, 22205), (122, 22421), (129, 22466), (132, 22475), (138, 22514), (144, 22565), (145, 22568), (187, 22763), (200, 22832), (234, 23033), (235, 23036), (239, 23057), (260, 23153), (261, 23156), (263, 23162), (277, 23231), (280, 23249), (282, 23258), (288, 23288), (314, 23384), (319, 23417), (322, 23432), (346, 23573), (356, 23630), (376, 23741), (400, 23894),

Gene: LilBib_28 Start: 22310, Stop: 24112, Start Num: 52
Candidate Starts for LilBib_28:
(Start: 52 @22310 has 230 MA's), (Start: 61 @22331 has 6 MA's), (Start: 71 @22373 has 1 MA's), (85, 22418), (122, 22634), (129, 22679), (132, 22688), (138, 22727), (144, 22778), (145, 22781), (187, 22976), (200, 23045), (234, 23246), (235, 23249), (239, 23270), (260, 23366), (261, 23369), (263, 23375), (277, 23444), (280, 23462), (282, 23471), (288, 23501), (314, 23597), (319, 23630), (322, 23645), (327, 23675), (346, 23786), (356, 23843), (376, 23954),

Gene: LilHam_32 Start: 28981, Stop: 30744, Start Num: 34
Candidate Starts for LilHam_32:
(Start: 34 @28981 has 86 MA's), (Start: 39 @29017 has 5 MA's), (83, 29146), (86, 29155), (102, 29251), (105, 29260), (114, 29329), (122, 29380), (123, 29389), (129, 29425), (133, 29440), (135, 29458), (144, 29521), (154, 29566), (156, 29575), (179, 29686), (181, 29695), (185, 29710), (189, 29734), (194, 29764), (244, 29986), (248, 30004), (252, 30019), (260, 30061), (267, 30091), (294, 30211), (321, 30304), (346, 30415), (347, 30418), (355, 30466), (361, 30493), (365, 30520), (374, 30574),

Gene: LilSpotty_18 Start: 14614, Stop: 16329, Start Num: 39
Candidate Starts for LilSpotty_18:
(37, 14602), (Start: 39 @14614 has 5 MA's), (111, 14896), (118, 14944), (138, 15070), (149, 15151), (168, 15241), (171, 15250), (187, 15325), (191, 15355), (192, 15358), (194, 15367), (220, 15460), (225, 15490), (244, 15586), (245, 15589), (258, 15652), (262, 15667), (272, 15712), (280, 15757), (282, 15766), (310, 15838), (323, 15904), (346, 16000), (347, 16003), (356, 16057), (361, 16078), (362, 16081), (376, 16165), (381, 16189), (386, 16252), (395, 16297), (396, 16306),

Gene: LilTurb_30 Start: 20692, Stop: 22464, Start Num: 50
Candidate Starts for LilTurb_30:
(Start: 41 @20668 has 10 MA's), (Start: 50 @20692 has 603 MA's), (86, 20791), (100, 20875), (109, 20926), (110, 20929), (121, 21001), (122, 21004), (132, 21058), (138, 21097), (148, 21175), (165, 21262), (185, 21343), (187, 21346), (220, 21532), (235, 21619), (257, 21724), (261, 21739), (286, 21865), (288, 21871), (309, 21919), (322, 21997), (323, 22003), (333, 22057), (338, 22096), (341, 22111), (356, 22195), (376, 22306),

Gene: Lilbunny_31 Start: 19971, Stop: 21743, Start Num: 50
Candidate Starts for Lilbunny_31:
(32, 19905), (Start: 41 @19947 has 10 MA's), (Start: 50 @19971 has 603 MA's), (110, 20208), (121, 20280), (122, 20283), (125, 20298), (132, 20337), (133, 20343), (148, 20454), (150, 20460), (159, 20499), (165, 20541), (176, 20580), (185, 20622), (187, 20625), (216, 20781), (240, 20922), (244, 20937), (288, 21150), (318, 21249), (322, 21276), (331, 21327), (333, 21336), (338, 21375), (341,

21390), (356, 21474), (374, 21579), (376, 21585), (396, 21720),

Gene: Lilith_29 Start: 20372, Stop: 22168, Start Num: 50
Candidate Starts for Lilith_29:
(Start: 50 @20372 has 603 MA's), (Start: 71 @20429 has 1 MA's), (76, 20444), (86, 20477), (88, 20498), (91, 20513), (107, 20600), (109, 20612), (110, 20615), (122, 20690), (125, 20705), (131, 20741), (165, 20948), (191, 21062), (200, 21101), (216, 21188), (234, 21302), (239, 21326), (244, 21344), (261, 21425), (277, 21500), (280, 21518), (286, 21551), (288, 21557), (299, 21596), (313, 21650), (314, 21653), (318, 21674), (327, 21731), (356, 21899), (374, 22004), (376, 22010), (396, 22145),

Gene: Lilleskat_30 Start: 21749, Stop: 23539, Start Num: 50
Candidate Starts for Lilleskat_30:
(Start: 48 @21746 has 8 MA's), (Start: 50 @21749 has 603 MA's), (109, 21983), (110, 21986), (121, 22058), (122, 22061), (125, 22076), (132, 22115), (133, 22121), (148, 22232), (165, 22319), (185, 22400), (187, 22403), (220, 22589), (230, 22652), (235, 22676), (237, 22682), (244, 22715), (261, 22796), (286, 22922), (298, 22964), (314, 23024), (319, 23057), (322, 23072), (338, 23171), (339, 23174), (341, 23186), (356, 23270), (367, 23336), (374, 23375), (376, 23381), (382, 23426), (389, 23483), (390, 23486),

Gene: Lillie_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Lillie_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: LionsBait_29 Start: 21960, Stop: 23732, Start Num: 50
Candidate Starts for LionsBait_29:
(Start: 41 @21936 has 10 MA's), (Start: 50 @21960 has 603 MA's), (86, 22059), (100, 22143), (109, 22194), (110, 22197), (121, 22269), (122, 22272), (132, 22326), (133, 22332), (138, 22365), (148, 22443), (165, 22530), (185, 22611), (187, 22614), (194, 22656), (220, 22800), (235, 22887), (244, 22926), (261, 23007), (286, 23133), (288, 23139), (309, 23187), (319, 23250), (322, 23265), (323, 23271), (328, 23301), (333, 23325), (338, 23364), (341, 23379), (356, 23463),

Gene: LitninMcQueen_20 Start: 16422, Stop: 18119, Start Num: 49
Candidate Starts for LitninMcQueen_20:
(37, 16383), (Start: 49 @16422 has 37 MA's), (Start: 55 @16434 has 1 MA's), (67, 16473), (79, 16512), (86, 16533), (94, 16581), (97, 16590), (103, 16632), (109, 16668), (118, 16725), (125, 16773), (128, 16800), (152, 16941), (162, 16998), (165, 17016), (169, 17025), (171, 17031), (188, 17109), (193, 17145), (195, 17151), (199, 17172), (200, 17175), (208, 17226), (221, 17253), (222, 17256), (226, 17283), (229, 17310), (246, 17382), (254, 17421), (268, 17475), (276, 17517), (293, 17592), (315, 17655), (320, 17682), (321, 17685), (323, 17700), (343, 17784), (345, 17793), (346, 17796), (348, 17802), (351, 17814), (352, 17817), (355, 17847), (356, 17853), (361, 17874), (362, 17877), (370, 17931), (376, 17961), (377, 17970), (384, 18021), (387, 18054), (390, 18066), (394, 18084),

Gene: LittleB_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for LittleB_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282,

20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: LittleCherry_24 Start: 19659, Stop: 21455, Start Num: 50
Candidate Starts for LittleCherry_24:
(Start: 50 @19659 has 603 MA's), (87, 19764), (92, 19797), (110, 19896), (122, 19971), (125, 19986), (131, 20022), (141, 20094), (143, 20109), (150, 20148), (157, 20175), (161, 20196), (167, 20235), (191, 20343), (197, 20373), (199, 20379), (224, 20514), (231, 20571), (232, 20574), (234, 20583), (244, 20625), (249, 20643), (260, 20703), (261, 20706), (280, 20799), (282, 20808), (286, 20832), (313, 20940), (319, 20976), (356, 21186), (373, 21288), (376, 21297), (392, 21411), (396, 21432), (398, 21441),

Gene: LittleGuy_27 Start: 19770, Stop: 21548, Start Num: 50
Candidate Starts for LittleGuy_27:
(Start: 41 @19746 has 10 MA's), (Start: 50 @19770 has 603 MA's), (Start: 71 @19827 has 1 MA's), (87, 19881), (88, 19896), (92, 19914), (107, 19998), (109, 20010), (110, 20013), (122, 20088), (125, 20103), (132, 20142), (148, 20259), (165, 20346), (185, 20427), (195, 20475), (200, 20499), (216, 20586), (224, 20631), (235, 20703), (239, 20724), (244, 20742), (261, 20823), (280, 20916), (282, 20925), (286, 20949), (288, 20955), (295, 20979), (314, 21033), (318, 21054), (326, 21105), (330, 21129), (339, 21183), (356, 21279), (374, 21384), (377, 21399), (393, 21507), (396, 21525),

Gene: LochMonster_27 Start: 19802, Stop: 21580, Start Num: 50
Candidate Starts for LochMonster_27:
(Start: 41 @19778 has 10 MA's), (Start: 50 @19802 has 603 MA's), (Start: 71 @19859 has 1 MA's), (87, 19913), (88, 19928), (92, 19946), (107, 20030), (109, 20042), (110, 20045), (122, 20120), (125, 20135), (132, 20174), (148, 20291), (165, 20378), (185, 20459), (195, 20507), (200, 20531), (216, 20618), (224, 20663), (235, 20735), (239, 20756), (244, 20774), (280, 20948), (282, 20957), (286, 20981), (288, 20987), (295, 21011), (314, 21065), (318, 21086), (326, 21137), (330, 21161), (339, 21215), (356, 21311), (374, 21416), (377, 21431), (393, 21539), (396, 21557),

Gene: Lockley_27 Start: 21053, Stop: 22855, Start Num: 52
Candidate Starts for Lockley_27:
(Start: 52 @21053 has 230 MA's), (Start: 61 @21074 has 6 MA's), (Start: 71 @21116 has 1 MA's), (85, 21161), (122, 21377), (129, 21422), (132, 21431), (144, 21521), (145, 21524), (187, 21719), (200, 21788), (210, 21848), (231, 21977), (234, 21989), (235, 21992), (239, 22013), (260, 22109), (261, 22112), (263, 22118), (277, 22187), (280, 22205), (282, 22214), (288, 22244), (314, 22340), (319, 22373), (322, 22388), (346, 22529), (356, 22586), (376, 22697),

Gene: LogiBear_30 Start: 20416, Stop: 22203, Start Num: 50
Candidate Starts for LogiBear_30:
(Start: 50 @20416 has 603 MA's), (78, 20491), (105, 20620), (109, 20650), (110, 20653), (113, 20683), (122, 20728), (132, 20782), (134, 20797), (138, 20821), (150, 20905), (152, 20911), (157, 20932), (161, 20953), (187, 21070), (196, 21118), (199, 21136), (216, 21226), (221, 21259), (235, 21343), (244, 21382), (260, 21460), (278, 21541), (280, 21556), (299, 21634), (314, 21691), (321, 21730), (322, 21739), (334, 21802), (367, 22000), (370, 22012),

Gene: Lokk_31 Start: 21813, Stop: 23609, Start Num: 41
Candidate Starts for Lokk_31:
(Start: 41 @21813 has 10 MA's), (Start: 50 @21837 has 603 MA's), (100, 22020), (109, 22071), (110, 22074), (121, 22146), (122, 22149), (132, 22203), (138, 22242), (148, 22320), (165, 22407), (185, 22488), (187, 22491), (194, 22533), (220, 22677), (235, 22764), (244, 22803), (261, 22884), (288, 23016), (319, 23127), (322, 23142), (323, 23148), (333, 23202), (338, 23241), (341, 23256), (348, 23289), (356, 23340), (370, 23418), (374, 23445), (376, 23451), (383, 23505),

Gene: LoneWolf_29 Start: 21342, Stop: 23132, Start Num: 50
Candidate Starts for LoneWolf_29:
(Start: 50 @21342 has 603 MA's), (109, 21576), (110, 21579), (121, 21651), (122, 21654), (125, 21669), (132, 21708), (133, 21714), (138, 21747), (139, 21765), (148, 21825), (157, 21858), (165, 21912), (185, 21993), (187, 21996), (209, 22122), (220, 22182), (230, 22245), (235, 22269), (261, 22389), (286, 22515), (290, 22533), (298, 22557), (314, 22617), (319, 22650), (322, 22665), (338, 22764), (339, 22767), (341, 22779), (356, 22863), (367, 22929), (374, 22968), (376, 22974), (382, 23019), (389, 23076), (390, 23079),

Gene: Looper_31 Start: 19093, Stop: 20880, Start Num: 50
Candidate Starts for Looper_31:
(32, 19027), (Start: 41 @19069 has 10 MA's), (Start: 50 @19093 has 603 MA's), (92, 19231), (102, 19288), (110, 19330), (117, 19366), (122, 19405), (134, 19474), (138, 19498), (145, 19552), (176, 19702), (187, 19747), (191, 19777), (199, 19813), (207, 19864), (215, 19900), (224, 19948), (232, 20008), (260, 20137), (277, 20215), (322, 20416), (323, 20422), (339, 20518), (368, 20683), (384, 20782),

Gene: Lopton_28 Start: 22455, Stop: 24257, Start Num: 52
Candidate Starts for Lopton_28:
(Start: 52 @22455 has 230 MA's), (Start: 61 @22476 has 6 MA's), (Start: 71 @22518 has 1 MA's), (85, 22563), (122, 22779), (129, 22824), (132, 22833), (138, 22872), (144, 22923), (145, 22926), (187, 23121), (200, 23190), (234, 23391), (235, 23394), (239, 23415), (260, 23511), (261, 23514), (263, 23520), (277, 23589), (280, 23607), (282, 23616), (288, 23646), (314, 23742), (319, 23775), (322, 23790), (346, 23931), (356, 23988), (376, 24099),

Gene: Lorenzo_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Lorenzo_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Loser_31 Start: 21942, Stop: 23714, Start Num: 50
Candidate Starts for Loser_31:
(Start: 41 @21918 has 10 MA's), (Start: 50 @21942 has 603 MA's), (100, 22125), (109, 22176), (110, 22179), (121, 22251), (122, 22254), (132, 22308), (133, 22314), (138, 22347), (148, 22425), (150, 22431), (154, 22443), (165, 22512), (183, 22587), (185, 22593), (187, 22596), (194, 22638), (234, 22866), (235, 22869), (244, 22908), (257, 22974), (261, 22989), (288, 23121), (309, 23169), (318, 23220), (319, 23232), (322, 23247), (323, 23253), (333, 23307), (341, 23361), (356, 23445), (367, 23511), (374, 23550), (376, 23556),

Gene: Louie6_29 Start: 20466, Stop: 22262, Start Num: 50
Candidate Starts for Louie6_29:
(Start: 50 @20466 has 603 MA's), (Start: 71 @20523 has 1 MA's), (76, 20538), (86, 20571), (88, 20592), (91, 20607), (107, 20694), (109, 20706), (110, 20709), (122, 20784), (125, 20799), (131, 20835), (165, 21042), (191, 21156), (200, 21195), (216, 21282), (234, 21396), (239, 21420), (244, 21438), (261, 21519), (277, 21594), (280, 21612), (286, 21645), (288, 21651), (299, 21690), (313, 21744), (314, 21747), (318, 21768), (327, 21825), (356, 21993), (374, 22098), (376, 22104), (396, 22239),

Gene: Love_38 Start: 31747, Stop: 33510, Start Num: 34
Candidate Starts for Love_38:
(31, 31729), (Start: 34 @31747 has 86 MA's), (Start: 39 @31783 has 5 MA's), (86, 31921), (102, 32017), (105, 32026), (114, 32095), (122, 32146), (129, 32191), (133, 32206), (144, 32287), (154, 32332), (156, 32341), (175, 32431), (181, 32461), (185, 32476), (189, 32500), (194, 32530), (223, 32635), (244, 32752), (248, 32770), (252, 32785), (257, 32815), (260, 32827), (261, 32830), (267, 32857), (346, 33181), (347, 33184), (355, 33232), (361, 33259), (365, 33286), (374, 33340), (379, 33364), (380, 33367), (390, 33457), (400, 33505),

Gene: Lowa_29 Start: 20371, Stop: 22167, Start Num: 50
Candidate Starts for Lowa_29:
(Start: 50 @20371 has 603 MA's), (Start: 71 @20428 has 1 MA's), (76, 20443), (86, 20476), (88, 20497), (91, 20512), (107, 20599), (109, 20611), (110, 20614), (122, 20689), (125, 20704), (131, 20740), (165, 20947), (191, 21061), (200, 21100), (216, 21187), (234, 21301), (239, 21325), (244, 21343), (261, 21424), (277, 21499), (280, 21517), (286, 21550), (288, 21556), (299, 21595), (313, 21649), (314, 21652), (318, 21673), (327, 21730), (356, 21898), (374, 22003), (376, 22009), (396, 22144),

Gene: Luchador_30 Start: 20622, Stop: 22421, Start Num: 50
Candidate Starts for Luchador_30:
(Start: 48 @20619 has 8 MA's), (Start: 50 @20622 has 603 MA's), (91, 20757), (105, 20826), (110, 20859), (121, 20931), (122, 20934), (126, 20952), (133, 20994), (148, 21105), (159, 21150), (161, 21159), (165, 21192), (183, 21267), (185, 21273), (187, 21276), (197, 21336), (217, 21438), (230, 21525), (235, 21549), (244, 21588), (261, 21669), (307, 21867), (322, 21954), (323, 21960), (338, 22053), (374, 22257), (376, 22263),

Gene: Lucivia_28 Start: 20804, Stop: 22603, Start Num: 50
Candidate Starts for Lucivia_28:
(32, 20738), (Start: 41 @20780 has 10 MA's), (Start: 50 @20804 has 603 MA's), (68, 20846), (92, 20942), (96, 20957), (109, 21038), (110, 21041), (122, 21116), (125, 21131), (132, 21170), (133, 21176), (139, 21227), (148, 21287), (150, 21293), (165, 21374), (187, 21458), (209, 21584), (214, 21602), (219, 21629), (244, 21770), (257, 21836), (260, 21848), (261, 21851), (304, 22040), (311, 22067), (312, 22076), (315, 22097), (316, 22100), (319, 22121), (322, 22136), (326, 22160), (338, 22235), (341, 22250), (356, 22334), (374, 22439), (376, 22445), (383, 22499), (400, 22598),

Gene: Lucyedi_29 Start: 20875, Stop: 22665, Start Num: 50
Candidate Starts for Lucyedi_29:
(32, 20809), (Start: 41 @20851 has 10 MA's), (Start: 50 @20875 has 603 MA's), (96, 21028), (109, 21109), (110, 21112), (121, 21184), (122, 21187), (126, 21205), (127, 21226), (132, 21241), (133, 21247), (148, 21358), (157, 21391), (165, 21445), (185, 21526), (187, 21529), (220, 21715), (230, 21778), (235, 21802), (244, 21841), (261, 21922), (286, 22048), (307, 22111), (322, 22198), (338, 22297), (348, 22345), (356, 22396), (374, 22501), (376, 22507), (383, 22561),

Gene: LugYA_31 Start: 20379, Stop: 22175, Start Num: 50
Candidate Starts for LugYA_31:
(Start: 50 @20379 has 603 MA's), (Start: 71 @20436 has 1 MA's), (76, 20451), (86, 20484), (88, 20505), (91, 20520), (107, 20607), (109, 20619), (110, 20622), (122, 20697), (125, 20712), (131, 20748), (165, 20955), (191, 21069), (200, 21108), (216, 21195), (234, 21309), (239, 21333), (244, 21351), (261, 21432), (277, 21507), (280, 21525), (286, 21558), (288, 21564), (299, 21603), (313, 21657), (314, 21660), (318, 21681), (327, 21738), (356, 21906), (374, 22011), (376, 22017), (396, 22152),

Gene: LunarLander_27 Start: 20985, Stop: 22787, Start Num: 52

Candidate Starts for LunarLander_27:
(Start: 52 @20985 has 230 MA's), (Start: 61 @21006 has 6 MA's), (Start: 71 @21048 has 1 MA's), (85, 21093), (122, 21309), (129, 21354), (132, 21363), (138, 21402), (144, 21453), (145, 21456), (187, 21651), (200, 21720), (234, 21921), (235, 21924), (239, 21945), (260, 22041), (261, 22044), (263, 22050), (277, 22119), (280, 22137), (282, 22146), (288, 22176), (314, 22272), (319, 22305), (322, 22320), (346, 22461), (356, 22518), (376, 22629),

Gene: Lunsford_28 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Lunsford_28:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Lutum_20 Start: 16428, Stop: 18125, Start Num: 49
Candidate Starts for Lutum_20:
(37, 16389), (Start: 49 @16428 has 37 MA's), (Start: 55 @16440 has 1 MA's), (67, 16479), (79, 16518), (86, 16539), (94, 16587), (97, 16596), (103, 16638), (109, 16674), (118, 16731), (125, 16779), (128, 16806), (152, 16947), (162, 17004), (165, 17022), (169, 17031), (171, 17037), (188, 17115), (193, 17151), (195, 17157), (199, 17178), (200, 17181), (208, 17232), (221, 17259), (222, 17262), (226, 17289), (229, 17316), (246, 17388), (254, 17427), (268, 17481), (276, 17523), (293, 17598), (315, 17661), (320, 17688), (321, 17691), (323, 17706), (343, 17790), (345, 17799), (346, 17802), (348, 17808), (351, 17820), (352, 17823), (355, 17853), (356, 17859), (361, 17880), (362, 17883), (370, 17937), (376, 17967), (377, 17976), (384, 18027), (387, 18060), (390, 18072), (394, 18090),

Gene: MA5_27 Start: 19523, Stop: 21322, Start Num: 50
Candidate Starts for MA5_27:
(Start: 50 @19523 has 603 MA's), (Start: 71 @19583 has 1 MA's), (88, 19652), (92, 19670), (107, 19754), (109, 19766), (110, 19769), (122, 19844), (125, 19859), (126, 19862), (132, 19898), (154, 20033), (165, 20102), (191, 20216), (216, 20342), (234, 20456), (235, 20459), (239, 20480), (244, 20498), (261, 20579), (277, 20654), (280, 20672), (282, 20681), (286, 20705), (288, 20711), (291, 20726), (304, 20759), (313, 20804), (314, 20807), (318, 20828), (319, 20840), (356, 21053), (362, 21077), (374, 21158), (376, 21164), (396, 21299),

Gene: MK4_27 Start: 19826, Stop: 21625, Start Num: 50
Candidate Starts for MK4_27:
(Start: 50 @19826 has 603 MA's), (Start: 71 @19886 has 1 MA's), (88, 19955), (107, 20057), (109, 20069), (110, 20072), (122, 20147), (125, 20162), (126, 20165), (132, 20201), (154, 20336), (165, 20405), (191, 20519), (216, 20645), (234, 20759), (235, 20762), (239, 20783), (244, 20801), (261, 20882), (277, 20957), (280, 20975), (282, 20984), (286, 21008), (288, 21014), (291, 21029), (299, 21053), (313, 21107), (314, 21110), (318, 21131), (319, 21143), (356, 21356), (362, 21380), (374, 21461), (376, 21467), (396, 21602),

Gene: MPlant7149_26 Start: 20687, Stop: 22489, Start Num: 52
Candidate Starts for MPlant7149_26:
(Start: 52 @20687 has 230 MA's), (Start: 61 @20708 has 6 MA's), (Start: 71 @20750 has 1 MA's), (85, 20795), (122, 21011), (129, 21056), (132, 21065), (138, 21104), (144, 21155), (145, 21158), (187, 21353), (200, 21422), (234, 21623), (235, 21626), (239, 21647), (260, 21743), (261, 21746), (263, 21752), (277, 21821), (280, 21839), (282, 21848), (288, 21878), (314, 21974), (319, 22007), (322, 22022), (346, 22163), (356, 22220), (376, 22331),

Gene: MaCh_28 Start: 20746, Stop: 22545, Start Num: 50
Candidate Starts for MaCh_28:
(32, 20680), (Start: 41 @20722 has 10 MA's), (Start: 50 @20746 has 603 MA's), (68, 20788), (92, 20884), (96, 20899), (109, 20980), (110, 20983), (121, 21055), (122, 21058), (125, 21073), (132, 21112), (133, 21118), (148, 21229), (150, 21235), (165, 21316), (187, 21400), (209, 21526), (214, 21544), (219, 21571), (244, 21712), (257, 21778), (260, 21790), (261, 21793), (285, 21916), (304, 21982), (311, 22009), (315, 22039), (316, 22042), (319, 22063), (322, 22078), (326, 22102), (338, 22177), (341, 22192), (356, 22276), (374, 22381), (376, 22387), (383, 22441), (400, 22540),

Gene: MaVan_20 Start: 16710, Stop: 18404, Start Num: 49
Candidate Starts for MaVan_20:
(17, 16386), (Start: 49 @16710 has 37 MA's), (115, 16995), (116, 16998), (122, 17043), (125, 17058), (138, 17136), (143, 17181), (162, 17283), (171, 17316), (172, 17328), (174, 17331), (186, 17388), (191, 17421), (195, 17436), (206, 17502), (222, 17544), (224, 17553), (229, 17598), (242, 17661), (260, 17742), (265, 17760), (267, 17769), (269, 17778), (280, 17835), (282, 17844), (322, 17976), (332, 18003), (336, 18024), (345, 18075), (346, 18078), (364, 18174), (367, 18201), (369, 18210), (370, 18213), (376, 18243), (379, 18261), (385, 18306), (399, 18396),

Gene: Mabel_28 Start: 20807, Stop: 22606, Start Num: 50
Candidate Starts for Mabel_28:
(32, 20741), (Start: 41 @20783 has 10 MA's), (Start: 50 @20807 has 603 MA's), (68, 20849), (92, 20945), (96, 20960), (109, 21041), (110, 21044), (122, 21119), (125, 21134), (132, 21173), (133, 21179), (148, 21290), (150, 21296), (165, 21377), (187, 21461), (209, 21587), (214, 21605), (219, 21632), (244, 21773), (257, 21839), (260, 21851), (261, 21854), (285, 21977), (304, 22043), (311, 22070), (312, 22079), (315, 22100), (316, 22103), (319, 22124), (322, 22139), (326, 22163), (338, 22238), (341, 22253), (356, 22337), (374, 22442), (376, 22448), (383, 22502), (400, 22601),

Gene: MadMarie_29 Start: 20381, Stop: 22177, Start Num: 50
Candidate Starts for MadMarie_29:
(Start: 50 @20381 has 603 MA's), (Start: 71 @20438 has 1 MA's), (76, 20453), (88, 20507), (91, 20522), (107, 20609), (109, 20621), (110, 20624), (122, 20699), (125, 20714), (131, 20750), (165, 20957), (200, 21110), (216, 21197), (234, 21311), (239, 21335), (244, 21353), (261, 21434), (277, 21509), (280, 21527), (286, 21560), (288, 21566), (299, 21605), (313, 21659), (314, 21662), (318, 21683), (327, 21740), (356, 21908), (374, 22013), (376, 22019), (396, 22154),

Gene: MagicMan_19 Start: 16962, Stop: 18692, Start Num: 45
Candidate Starts for MagicMan_19:
(26, 16845), (37, 16929), (Start: 39 @16941 has 5 MA's), (Start: 45 @16962 has 6 MA's), (97, 17133), (107, 17199), (112, 17232), (115, 17253), (144, 17445), (159, 17517), (165, 17559), (175, 17595), (181, 17625), (186, 17649), (193, 17691), (199, 17718), (218, 17775), (219, 17781), (231, 17868), (316, 18228), (320, 18252), (323, 18270), (346, 18366), (377, 18540), (378, 18543), (381, 18555), (388, 18630), (394, 18657),

Gene: Magnar_27 Start: 20858, Stop: 22639, Start Num: 61
Candidate Starts for Magnar_27:
(Start: 52 @20837 has 230 MA's), (Start: 61 @20858 has 6 MA's), (Start: 71 @20900 has 1 MA's), (85, 20945), (122, 21161), (129, 21206), (132, 21215), (138, 21254), (144, 21305), (145, 21308), (187, 21503), (200, 21572), (234, 21773), (235, 21776), (239, 21797), (260, 21893), (261, 21896), (263, 21902), (277, 21971), (280, 21989), (282, 21998), (288, 22028), (314, 22124), (319, 22157), (322, 22172), (346, 22313), (356, 22370), (376, 22481), (400, 22634),

Gene: Magnito_26 Start: 20589, Stop: 22391, Start Num: 52
Candidate Starts for Magnito_26:

(Start: 52 @20589 has 230 MA's), (Start: 61 @20610 has 6 MA's), (Start: 71 @20652 has 1 MA's), (85, 20697), (122, 20913), (129, 20958), (132, 20967), (138, 21006), (144, 21057), (145, 21060), (187, 21255), (200, 21324), (234, 21525), (235, 21528), (239, 21549), (260, 21645), (261, 21648), (263, 21654), (280, 21741), (282, 21750), (288, 21780), (314, 21876), (319, 21909), (322, 21924), (346, 22065), (356, 22122), (376, 22233),

Gene: Mainiac_29 Start: 20372, Stop: 22168, Start Num: 50
Candidate Starts for Mainiac_29:
(Start: 50 @20372 has 603 MA's), (Start: 71 @20429 has 1 MA's), (76, 20444), (88, 20498), (91, 20513), (107, 20600), (109, 20612), (110, 20615), (122, 20690), (125, 20705), (131, 20741), (165, 20948), (200, 21101), (216, 21188), (234, 21302), (239, 21326), (244, 21344), (261, 21425), (277, 21500), (280, 21518), (286, 21551), (288, 21557), (299, 21596), (313, 21650), (314, 21653), (318, 21674), (327, 21731), (356, 21899), (374, 22004), (376, 22010), (396, 22145),

Gene: MajorMajor_27 Start: 19074, Stop: 20864, Start Num: 50
Candidate Starts for MajorMajor_27:
(32, 19008), (Start: 41 @19050 has 10 MA's), (Start: 50 @19074 has 603 MA's), (92, 19212), (96, 19227), (109, 19308), (110, 19311), (121, 19383), (122, 19386), (132, 19440), (133, 19446), (135, 19464), (143, 19524), (148, 19557), (150, 19563), (159, 19602), (165, 19644), (185, 19725), (187, 19728), (197, 19788), (220, 19914), (234, 19998), (244, 20040), (255, 20091), (261, 20121), (286, 20247), (307, 20310), (319, 20382), (322, 20397), (326, 20421), (338, 20496), (341, 20511), (356, 20595), (374, 20700), (376, 20706), (379, 20724), (382, 20751), (383, 20760),

Gene: Makemake_27 Start: 22305, Stop: 24107, Start Num: 52
Candidate Starts for Makemake_27:
(Start: 52 @22305 has 230 MA's), (Start: 61 @22326 has 6 MA's), (Start: 71 @22368 has 1 MA's), (85, 22413), (122, 22629), (129, 22674), (132, 22683), (138, 22722), (144, 22773), (145, 22776), (187, 22971), (200, 23040), (234, 23241), (235, 23244), (239, 23265), (260, 23361), (261, 23364), (263, 23370), (277, 23439), (280, 23457), (282, 23466), (288, 23496), (314, 23592), (319, 23625), (322, 23640), (346, 23781), (356, 23838), (376, 23949),

Gene: Malec_29 Start: 20473, Stop: 22245, Start Num: 50
Candidate Starts for Malec_29:
(Start: 41 @20449 has 10 MA's), (Start: 50 @20473 has 603 MA's), (91, 20608), (96, 20626), (109, 20707), (110, 20710), (113, 20740), (121, 20782), (122, 20785), (132, 20839), (133, 20845), (141, 20908), (143, 20923), (148, 20956), (157, 20989), (165, 21043), (185, 21124), (187, 21127), (191, 21157), (235, 21400), (257, 21505), (261, 21520), (288, 21652), (319, 21763), (322, 21778), (323, 21784), (333, 21838), (338, 21877), (341, 21892), (348, 21925), (376, 22087), (383, 22141),

Gene: Malinsilva_31 Start: 20371, Stop: 22167, Start Num: 50
Candidate Starts for Malinsilva_31:
(Start: 50 @20371 has 603 MA's), (Start: 71 @20428 has 1 MA's), (76, 20443), (86, 20476), (88, 20497), (91, 20512), (107, 20599), (109, 20611), (110, 20614), (122, 20689), (125, 20704), (131, 20740), (165, 20947), (191, 21061), (200, 21100), (216, 21187), (234, 21301), (239, 21325), (244, 21343), (261, 21424), (277, 21499), (280, 21517), (286, 21550), (288, 21556), (299, 21595), (313, 21649), (314, 21652), (318, 21673), (327, 21730), (356, 21898), (374, 22003), (376, 22009), (396, 22144),

Gene: Malisha_21 Start: 18200, Stop: 19897, Start Num: 49
Candidate Starts for Malisha_21:
(37, 18161), (Start: 49 @18200 has 37 MA's), (Start: 55 @18212 has 1 MA's), (57, 18215), (79, 18290), (86, 18311), (90, 18338), (93, 18353), (94, 18359), (95, 18362), (99, 18374), (103, 18410), (107, 18434), (109, 18446), (118, 18503), (120, 18524), (125, 18551), (128, 18578), (135, 18614), (152,

18719), (162, 18776), (165, 18794), (169, 18803), (171, 18809), (181, 18857), (188, 18887), (193, 18923), (195, 18929), (199, 18950), (200, 18953), (221, 19031), (222, 19034), (226, 19061), (229, 19088), (246, 19160), (254, 19199), (268, 19253), (282, 19325), (293, 19370), (315, 19433), (320, 19460), (321, 19463), (323, 19478), (343, 19562), (345, 19571), (346, 19574), (348, 19580), (352, 19595), (355, 19625), (356, 19631), (361, 19652), (362, 19655), (370, 19709), (376, 19739), (377, 19748), (384, 19799), (387, 19832), (390, 19844), (394, 19862),

Gene: Maminiaina_29 Start: 21290, Stop: 23080, Start Num: 50
Candidate Starts for Maminiaina_29:
(Start: 41 @21266 has 10 MA's), (Start: 50 @21290 has 603 MA's), (109, 21524), (110, 21527), (121, 21599), (122, 21602), (125, 21617), (132, 21656), (133, 21662), (143, 21740), (148, 21773), (165, 21860), (185, 21941), (187, 21944), (209, 22070), (230, 22193), (232, 22205), (235, 22217), (237, 22223), (244, 22256), (261, 22337), (286, 22463), (304, 22517), (305, 22523), (314, 22565), (315, 22574), (319, 22598), (322, 22613), (326, 22637), (333, 22673), (338, 22712), (341, 22727), (356, 22811), (374, 22916), (376, 22922), (382, 22967), (389, 23024),

Gene: Manatee_28 Start: 20835, Stop: 22637, Start Num: 52
Candidate Starts for Manatee_28:
(Start: 52 @20835 has 230 MA's), (Start: 61 @20856 has 6 MA's), (Start: 71 @20898 has 1 MA's), (85, 20943), (122, 21159), (129, 21204), (132, 21213), (138, 21252), (144, 21303), (145, 21306), (187, 21501), (200, 21570), (234, 21771), (235, 21774), (239, 21795), (260, 21891), (261, 21894), (263, 21900), (277, 21969), (280, 21987), (282, 21996), (288, 22026), (314, 22122), (319, 22155), (322, 22170), (346, 22311), (356, 22368), (376, 22479), (400, 22632),

Gene: Manu_30 Start: 20460, Stop: 22256, Start Num: 50
Candidate Starts for Manu_30:
(Start: 50 @20460 has 603 MA's), (Start: 71 @20517 has 1 MA's), (76, 20532), (88, 20586), (91, 20601), (107, 20688), (109, 20700), (110, 20703), (122, 20778), (125, 20793), (165, 21036), (200, 21189), (216, 21276), (230, 21369), (234, 21390), (239, 21414), (242, 21426), (244, 21432), (261, 21513), (277, 21588), (280, 21606), (282, 21615), (286, 21639), (288, 21645), (291, 21660), (299, 21684), (313, 21738), (314, 21741), (318, 21762), (374, 22092), (376, 22098), (396, 22233),

Gene: MarQuardt_29 Start: 20380, Stop: 22176, Start Num: 50
Candidate Starts for MarQuardt_29:
(Start: 50 @20380 has 603 MA's), (Start: 71 @20437 has 1 MA's), (76, 20452), (86, 20485), (88, 20506), (91, 20521), (107, 20608), (109, 20620), (110, 20623), (122, 20698), (125, 20713), (131, 20749), (165, 20956), (191, 21070), (200, 21109), (216, 21196), (234, 21310), (239, 21334), (244, 21352), (261, 21433), (277, 21508), (280, 21526), (286, 21559), (288, 21565), (299, 21604), (313, 21658), (314, 21661), (318, 21682), (327, 21739), (356, 21907), (374, 22012), (376, 22018), (396, 22153),

Gene: Marcell_27 Start: 21325, Stop: 23127, Start Num: 52
Candidate Starts for Marcell_27:
(Start: 52 @21325 has 230 MA's), (Start: 61 @21346 has 6 MA's), (Start: 71 @21388 has 1 MA's), (85, 21433), (122, 21649), (129, 21694), (132, 21703), (138, 21742), (144, 21793), (145, 21796), (187, 21991), (200, 22060), (234, 22261), (235, 22264), (239, 22285), (260, 22381), (261, 22384), (263, 22390), (277, 22459), (280, 22477), (282, 22486), (288, 22516), (314, 22612), (319, 22645), (322, 22660), (346, 22801), (356, 22858), (376, 22969), (400, 23122),

Gene: Marchesa_27 Start: 19958, Stop: 21757, Start Num: 50
Candidate Starts for Marchesa_27:
(Start: 50 @19958 has 603 MA's), (Start: 71 @20018 has 1 MA's), (88, 20087), (107, 20189), (109, 20201), (110, 20204), (122, 20279), (125, 20294), (126, 20297), (132, 20333), (154, 20468), (165,

20537), (191, 20651), (216, 20777), (234, 20891), (239, 20915), (242, 20927), (244, 20933), (261, 21014), (277, 21089), (280, 21107), (282, 21116), (286, 21140), (288, 21146), (291, 21161), (307, 21203), (312, 21230), (313, 21239), (314, 21242), (318, 21263), (319, 21275), (356, 21488), (374, 21593), (376, 21599), (396, 21734),

Gene: Marchy_26 Start: 20630, Stop: 22432, Start Num: 52
Candidate Starts for Marchy_26:
(Start: 52 @20630 has 230 MA's), (Start: 61 @20651 has 6 MA's), (Start: 71 @20693 has 1 MA's), (85, 20738), (122, 20954), (129, 20999), (132, 21008), (138, 21047), (144, 21098), (145, 21101), (187, 21296), (200, 21365), (234, 21566), (235, 21569), (239, 21590), (260, 21686), (261, 21689), (263, 21695), (277, 21764), (280, 21782), (282, 21791), (288, 21821), (314, 21917), (319, 21950), (322, 21965), (346, 22106), (356, 22163), (376, 22274),

Gene: Marco3_27 Start: 21225, Stop: 23027, Start Num: 52
Candidate Starts for Marco3_27:
(Start: 52 @21225 has 230 MA's), (Start: 61 @21246 has 6 MA's), (Start: 71 @21288 has 1 MA's), (85, 21333), (122, 21549), (129, 21594), (132, 21603), (138, 21642), (144, 21693), (145, 21696), (187, 21891), (200, 21960), (234, 22161), (235, 22164), (239, 22185), (260, 22281), (261, 22284), (263, 22290), (277, 22359), (280, 22377), (282, 22386), (288, 22416), (314, 22512), (319, 22545), (322, 22560), (346, 22701), (356, 22758), (376, 22869),

Gene: Margaret_21 Start: 15469, Stop: 17157, Start Num: 49
Candidate Starts for Margaret_21:
(37, 15439), (Start: 43 @15466 has 2 MA's), (Start: 49 @15469 has 37 MA's), (79, 15553), (104, 15676), (109, 15709), (116, 15754), (139, 15910), (143, 15937), (147, 15967), (162, 16039), (171, 16069), (172, 16081), (179, 16108), (191, 16174), (206, 16255), (222, 16297), (224, 16306), (226, 16324), (233, 16369), (253, 16453), (259, 16489), (260, 16492), (261, 16495), (263, 16501), (265, 16510), (269, 16528), (280, 16585), (320, 16714), (322, 16726), (325, 16741), (332, 16753), (345, 16825), (346, 16828), (347, 16831), (351, 16846), (364, 16927), (376, 16996), (377, 17005), (396, 17134), (399, 17149),

Gene: Marge_28 Start: 21725, Stop: 23527, Start Num: 52
Candidate Starts for Marge_28:
(Start: 52 @21725 has 230 MA's), (Start: 61 @21746 has 6 MA's), (Start: 71 @21788 has 1 MA's), (85, 21833), (122, 22049), (129, 22094), (132, 22103), (138, 22142), (144, 22193), (145, 22196), (162, 22289), (187, 22391), (200, 22460), (234, 22661), (235, 22664), (239, 22685), (260, 22781), (261, 22784), (263, 22790), (277, 22859), (280, 22877), (282, 22886), (288, 22916), (314, 23012), (319, 23045), (322, 23060), (346, 23201), (356, 23258), (376, 23369), (400, 23522),

Gene: Margo_28 Start: 20481, Stop: 22280, Start Num: 50
Candidate Starts for Margo_28:
(Start: 50 @20481 has 603 MA's), (Start: 71 @20541 has 1 MA's), (88, 20610), (107, 20712), (109, 20724), (110, 20727), (122, 20802), (125, 20817), (132, 20856), (154, 20991), (165, 21060), (191, 21174), (216, 21300), (234, 21414), (239, 21438), (242, 21450), (244, 21456), (261, 21537), (277, 21612), (280, 21630), (282, 21639), (286, 21663), (288, 21669), (291, 21684), (304, 21717), (313, 21762), (314, 21765), (318, 21786), (339, 21915), (356, 22011), (374, 22116), (376, 22122), (396, 22257),

Gene: Marie_29 Start: 20378, Stop: 22174, Start Num: 50
Candidate Starts for Marie_29:
(Start: 50 @20378 has 603 MA's), (Start: 71 @20435 has 1 MA's), (76, 20450), (86, 20483), (88, 20504), (91, 20519), (107, 20606), (109, 20618), (110, 20621), (122, 20696), (125, 20711), (131, 20747), (165, 20954), (191, 21068), (200, 21107), (216, 21194), (234, 21308), (239, 21332), (244,

21350), (261, 21431), (277, 21506), (280, 21524), (286, 21557), (288, 21563), (299, 21602), (313, 21656), (314, 21659), (318, 21680), (327, 21737), (356, 21905), (374, 22010), (376, 22016), (396, 22151),

Gene: Marius_30 Start: 20460, Stop: 22256, Start Num: 50
Candidate Starts for Marius_30:
(Start: 50 @20460 has 603 MA's), (Start: 71 @20517 has 1 MA's), (76, 20532), (88, 20586), (91, 20601), (107, 20688), (109, 20700), (110, 20703), (122, 20778), (125, 20793), (165, 21036), (200, 21189), (216, 21276), (234, 21390), (239, 21414), (242, 21426), (244, 21432), (261, 21513), (277, 21588), (280, 21606), (282, 21615), (286, 21639), (288, 21645), (299, 21684), (313, 21738), (314, 21741), (318, 21762), (374, 22092), (376, 22098), (396, 22233),

Gene: Maroc7_26 Start: 20829, Stop: 22631, Start Num: 52
Candidate Starts for Maroc7_26:
(Start: 52 @20829 has 230 MA's), (Start: 61 @20850 has 6 MA's), (Start: 71 @20892 has 1 MA's), (85, 20937), (122, 21153), (129, 21198), (132, 21207), (138, 21246), (144, 21297), (145, 21300), (187, 21495), (200, 21564), (234, 21765), (235, 21768), (239, 21789), (260, 21885), (261, 21888), (263, 21894), (277, 21963), (280, 21981), (282, 21990), (288, 22020), (314, 22116), (319, 22149), (322, 22164), (346, 22305), (356, 22362), (376, 22473),

Gene: Marsha_27 Start: 21951, Stop: 23753, Start Num: 52
Candidate Starts for Marsha_27:
(Start: 52 @21951 has 230 MA's), (Start: 61 @21972 has 6 MA's), (Start: 71 @22014 has 1 MA's), (85, 22059), (122, 22275), (129, 22320), (132, 22329), (138, 22368), (144, 22419), (145, 22422), (162, 22515), (187, 22617), (200, 22686), (234, 22887), (235, 22890), (239, 22911), (260, 23007), (261, 23010), (263, 23016), (277, 23085), (280, 23103), (282, 23112), (288, 23142), (314, 23238), (319, 23271), (322, 23286), (346, 23427), (356, 23484), (376, 23595),

Gene: MaryBeth_27 Start: 21259, Stop: 23061, Start Num: 52
Candidate Starts for MaryBeth_27:
(Start: 52 @21259 has 230 MA's), (Start: 61 @21280 has 6 MA's), (Start: 71 @21322 has 1 MA's), (85, 21367), (122, 21583), (129, 21628), (132, 21637), (144, 21727), (145, 21730), (162, 21823), (187, 21925), (200, 21994), (231, 22183), (234, 22195), (235, 22198), (239, 22219), (260, 22315), (261, 22318), (263, 22324), (277, 22393), (280, 22411), (282, 22420), (288, 22450), (314, 22546), (319, 22579), (322, 22594), (346, 22735), (356, 22792), (376, 22903),

Gene: MarysWell_23 Start: 19695, Stop: 21503, Start Num: 43
Candidate Starts for MarysWell_23:
(Start: 43 @19695 has 2 MA's), (Start: 50 @19707 has 603 MA's), (87, 19812), (92, 19845), (110, 19944), (122, 20019), (125, 20034), (131, 20070), (141, 20142), (143, 20157), (150, 20196), (157, 20223), (167, 20283), (191, 20391), (197, 20421), (199, 20427), (224, 20562), (231, 20619), (232, 20622), (234, 20631), (244, 20673), (249, 20691), (260, 20751), (261, 20754), (280, 20847), (282, 20856), (286, 20880), (313, 20988), (319, 21024), (356, 21234), (373, 21336), (376, 21345), (392, 21459), (396, 21480), (398, 21489),

Gene: Maverick_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Maverick_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Maxo_27 Start: 19825, Stop: 21603, Start Num: 50
Candidate Starts for Maxo_27:
(Start: 41 @19801 has 10 MA's), (Start: 50 @19825 has 603 MA's), (Start: 71 @19882 has 1 MA's), (87, 19936), (88, 19951), (92, 19969), (107, 20053), (109, 20065), (110, 20068), (122, 20143), (125, 20158), (132, 20197), (148, 20314), (165, 20401), (185, 20482), (195, 20530), (200, 20554), (216, 20641), (224, 20686), (235, 20758), (239, 20779), (244, 20797), (261, 20878), (280, 20971), (282, 20980), (286, 21004), (288, 21010), (295, 21034), (314, 21088), (318, 21109), (326, 21160), (330, 21184), (339, 21238), (356, 21334), (374, 21439), (377, 21454), (393, 21562), (396, 21580),

Gene: Mayonnaise_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Mayonnaise_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (139, 20256), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Mazhar510_27 Start: 19828, Stop: 21606, Start Num: 50
Candidate Starts for Mazhar510_27:
(Start: 41 @19804 has 10 MA's), (Start: 50 @19828 has 603 MA's), (Start: 71 @19885 has 1 MA's), (87, 19939), (88, 19954), (92, 19972), (107, 20056), (109, 20068), (110, 20071), (122, 20146), (125, 20161), (132, 20200), (148, 20317), (165, 20404), (185, 20485), (195, 20533), (200, 20557), (216, 20644), (224, 20689), (235, 20761), (239, 20782), (244, 20800), (261, 20881), (280, 20974), (282, 20983), (286, 21007), (288, 21013), (295, 21037), (314, 21091), (318, 21112), (326, 21163), (330, 21187), (339, 21241), (356, 21337), (374, 21442), (377, 21457), (393, 21565), (396, 21583),

Gene: McCrothy_35 Start: 31555, Stop: 33318, Start Num: 34
Candidate Starts for McCrothy_35:
(31, 31537), (Start: 34 @31555 has 86 MA's), (Start: 39 @31591 has 5 MA's), (86, 31729), (102, 31825), (105, 31834), (114, 31903), (122, 31954), (129, 31999), (133, 32014), (144, 32095), (154, 32140), (156, 32149), (175, 32239), (181, 32269), (185, 32284), (189, 32308), (194, 32338), (223, 32443), (244, 32560), (248, 32578), (252, 32593), (257, 32623), (260, 32635), (261, 32638), (267, 32665), (346, 32989), (347, 32992), (355, 33040), (361, 33067), (365, 33094), (374, 33148), (379, 33172), (380, 33175), (390, 33265), (400, 33313),

Gene: McFly_31 Start: 19976, Stop: 21748, Start Num: 50
Candidate Starts for McFly_31:
(32, 19910), (Start: 41 @19952 has 10 MA's), (Start: 50 @19976 has 603 MA's), (103, 20174), (110, 20213), (121, 20285), (122, 20288), (126, 20306), (132, 20342), (133, 20348), (148, 20459), (150, 20465), (159, 20504), (165, 20546), (176, 20585), (185, 20627), (187, 20630), (197, 20690), (240, 20927), (244, 20942), (261, 21023), (288, 21155), (322, 21281), (331, 21332), (333, 21341), (338, 21380), (339, 21383), (341, 21395), (356, 21479), (374, 21584), (376, 21590), (396, 21725),

Gene: McGuire_28 Start: 21127, Stop: 22929, Start Num: 52
Candidate Starts for McGuire_28:
(Start: 52 @21127 has 230 MA's), (Start: 61 @21148 has 6 MA's), (Start: 71 @21190 has 1 MA's), (85, 21235), (122, 21451), (129, 21496), (132, 21505), (144, 21595), (145, 21598), (162, 21691), (187, 21793), (200, 21862), (234, 22063), (235, 22066), (239, 22087), (260, 22183), (261, 22186), (263, 22192), (277, 22261), (280, 22279), (282, 22288), (288, 22318), (314, 22414), (319, 22447), (322, 22462), (346, 22603), (356, 22660), (376, 22771), (400, 22924),

Gene: McKinley_37 Start: 31773, Stop: 33536, Start Num: 34
Candidate Starts for McKinley_37:
(31, 31755), (Start: 34 @31773 has 86 MA's), (Start: 39 @31809 has 5 MA's), (86, 31947), (102, 32043), (105, 32052), (114, 32121), (122, 32172), (129, 32217), (133, 32232), (144, 32313), (154, 32358), (156, 32367), (175, 32457), (181, 32487), (185, 32502), (189, 32526), (194, 32556), (223, 32661), (244, 32778), (248, 32796), (252, 32811), (257, 32841), (260, 32853), (261, 32856), (267, 32883), (346, 33207), (347, 33210), (355, 33258), (361, 33285), (365, 33312), (374, 33366), (380, 33393), (400, 33531),

Gene: McSinger_28 Start: 21519, Stop: 23321, Start Num: 52
Candidate Starts for McSinger_28:
(Start: 52 @21519 has 230 MA's), (Start: 61 @21540 has 6 MA's), (Start: 71 @21582 has 1 MA's), (85, 21627), (122, 21843), (129, 21888), (132, 21897), (138, 21936), (144, 21987), (145, 21990), (187, 22185), (200, 22254), (234, 22455), (235, 22458), (239, 22479), (260, 22575), (261, 22578), (263, 22584), (277, 22653), (280, 22671), (282, 22680), (288, 22710), (314, 22806), (319, 22839), (322, 22854), (346, 22995), (356, 23052), (376, 23163), (400, 23316),

Gene: Medusa_27 Start: 19828, Stop: 21606, Start Num: 50
Candidate Starts for Medusa_27:
(Start: 41 @19804 has 10 MA's), (Start: 50 @19828 has 603 MA's), (Start: 71 @19885 has 1 MA's), (87, 19939), (88, 19954), (92, 19972), (107, 20056), (109, 20068), (110, 20071), (122, 20146), (125, 20161), (132, 20200), (148, 20317), (165, 20404), (185, 20485), (195, 20533), (200, 20557), (216, 20644), (224, 20689), (235, 20761), (239, 20782), (244, 20800), (261, 20881), (280, 20974), (282, 20983), (286, 21007), (288, 21013), (295, 21037), (314, 21091), (318, 21112), (326, 21163), (330, 21187), (339, 21241), (356, 21337), (374, 21442), (377, 21457), (393, 21565), (396, 21583),

Gene: MeeZee_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for MeeZee_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: MegTheThird_28 Start: 19928, Stop: 21481, Start Num: 110
Candidate Starts for MegTheThird_28:
(32, 19625), (Start: 41 @19667 has 10 MA's), (Start: 50 @19691 has 603 MA's), (96, 19844), (109, 19925), (110, 19928), (121, 20000), (122, 20003), (132, 20057), (133, 20063), (139, 20114), (143, 20141), (144, 20147), (148, 20174), (150, 20180), (159, 20219), (161, 20228), (165, 20261), (185, 20342), (187, 20345), (197, 20405), (217, 20507), (219, 20516), (220, 20531), (230, 20594), (244, 20657), (261, 20738), (286, 20864), (299, 20909), (313, 20963), (314, 20966), (322, 21014), (326, 21038), (338, 21113), (341, 21128), (356, 21212), (374, 21317), (376, 21323), (382, 21368), (397, 21464),

Gene: Melvin_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Melvin_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330,

21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: MetalQZJ_27 Start: 21259, Stop: 23061, Start Num: 52
Candidate Starts for MetalQZJ_27:
(Start: 52 @21259 has 230 MA's), (Start: 61 @21280 has 6 MA's), (Start: 71 @21322 has 1 MA's), (85, 21367), (122, 21583), (129, 21628), (132, 21637), (144, 21727), (145, 21730), (162, 21823), (187, 21925), (200, 21994), (231, 22183), (234, 22195), (235, 22198), (239, 22219), (260, 22315), (261, 22318), (263, 22324), (277, 22393), (280, 22411), (282, 22420), (288, 22450), (314, 22546), (319, 22579), (322, 22594), (346, 22735), (356, 22792), (376, 22903),

Gene: Methuselah_28 Start: 20462, Stop: 22258, Start Num: 50
Candidate Starts for Methuselah_28:
(Start: 50 @20462 has 603 MA's), (Start: 71 @20519 has 1 MA's), (76, 20534), (86, 20567), (88, 20588), (91, 20603), (107, 20690), (109, 20702), (110, 20705), (122, 20780), (125, 20795), (131, 20831), (165, 21038), (191, 21152), (200, 21191), (216, 21278), (234, 21392), (239, 21416), (244, 21434), (261, 21515), (277, 21590), (280, 21608), (286, 21641), (288, 21647), (299, 21686), (313, 21740), (314, 21743), (318, 21764), (327, 21821), (356, 21989), (374, 22094), (376, 22100), (396, 22235),

Gene: Micasa_24 Start: 19633, Stop: 21429, Start Num: 50
Candidate Starts for Micasa_24:
(Start: 50 @19633 has 603 MA's), (87, 19738), (92, 19771), (110, 19870), (122, 19945), (125, 19960), (131, 19996), (141, 20068), (143, 20083), (150, 20122), (197, 20347), (199, 20353), (224, 20488), (231, 20545), (232, 20548), (234, 20557), (244, 20599), (249, 20617), (260, 20677), (261, 20680), (280, 20773), (282, 20782), (286, 20806), (313, 20914), (319, 20950), (356, 21160), (373, 21262), (376, 21271), (396, 21406), (398, 21415),

Gene: Michley_27 Start: 21004, Stop: 22806, Start Num: 52
Candidate Starts for Michley_27:
(Start: 52 @21004 has 230 MA's), (Start: 61 @21025 has 6 MA's), (Start: 71 @21067 has 1 MA's), (85, 21112), (122, 21328), (129, 21373), (132, 21382), (138, 21421), (144, 21472), (145, 21475), (187, 21670), (200, 21739), (234, 21940), (235, 21943), (239, 21964), (260, 22060), (261, 22063), (263, 22069), (277, 22138), (280, 22156), (282, 22165), (288, 22195), (314, 22291), (319, 22324), (322, 22339), (346, 22480), (356, 22537), (376, 22648),

Gene: Microwolf_29 Start: 20380, Stop: 22176, Start Num: 50
Candidate Starts for Microwolf_29:
(Start: 50 @20380 has 603 MA's), (Start: 71 @20437 has 1 MA's), (76, 20452), (86, 20485), (88, 20506), (91, 20521), (107, 20608), (109, 20620), (110, 20623), (122, 20698), (125, 20713), (131, 20749), (165, 20956), (191, 21070), (200, 21109), (216, 21196), (234, 21310), (239, 21334), (244, 21352), (261, 21433), (277, 21508), (280, 21526), (286, 21559), (288, 21565), (299, 21604), (313, 21658), (314, 21661), (318, 21682), (327, 21739), (356, 21907), (374, 22012), (376, 22018), (396, 22153),

Gene: MiculUcigas_28 Start: 20213, Stop: 21985, Start Num: 50
Candidate Starts for MiculUcigas_28:
(Start: 41 @20189 has 10 MA's), (Start: 50 @20213 has 603 MA's), (91, 20348), (109, 20447), (110, 20450), (121, 20522), (122, 20525), (132, 20579), (133, 20585), (141, 20648), (148, 20696), (157, 20729), (165, 20783), (185, 20864), (187, 20867), (191, 20897), (220, 21053), (235, 21140), (261, 21260), (285, 21383), (286, 21386), (288, 21392), (309, 21440), (319, 21503), (322, 21518), (323, 21524), (333, 21578), (338, 21617), (341, 21632), (348, 21665), (374, 21821), (376, 21827), (383, 21881),

Gene: MicyPS_17 Start: 17411, Stop: 19057, Start Num: 62
Candidate Starts for MicyPS_17:
(Start: 62 @17411 has 2 MA's), (110, 17636), (118, 17678), (150, 17888), (165, 17969), (173, 17999), (189, 18065), (198, 18116), (205, 18152), (261, 18395), (267, 18422), (276, 18467), (287, 18524), (321, 18620), (348, 18737), (390, 19001), (395, 19022), (400, 19049),

Gene: Midas2_24 Start: 19707, Stop: 21503, Start Num: 50
Candidate Starts for Midas2_24:
(Start: 43 @19695 has 2 MA's), (Start: 50 @19707 has 603 MA's), (87, 19812), (92, 19845), (110, 19944), (122, 20019), (125, 20034), (131, 20070), (141, 20142), (143, 20157), (150, 20196), (197, 20421), (199, 20427), (224, 20562), (231, 20619), (232, 20622), (234, 20631), (244, 20673), (249, 20691), (260, 20751), (261, 20754), (280, 20847), (282, 20856), (286, 20880), (313, 20988), (319, 21024), (356, 21234), (373, 21336), (376, 21345), (396, 21480), (398, 21489),

Gene: Miko_31 Start: 21807, Stop: 23579, Start Num: 50
Candidate Starts for Miko_31:
(Start: 41 @21783 has 10 MA's), (Start: 50 @21807 has 603 MA's), (100, 21990), (109, 22041), (110, 22044), (121, 22116), (122, 22119), (132, 22173), (148, 22290), (165, 22377), (180, 22437), (185, 22458), (187, 22461), (194, 22503), (220, 22647), (235, 22734), (244, 22773), (261, 22854), (288, 22986), (319, 23097), (322, 23112), (323, 23118), (333, 23172), (338, 23211), (341, 23226), (348, 23259), (356, 23310), (370, 23388), (374, 23415), (376, 23421), (383, 23475),

Gene: Milcery_24 Start: 19663, Stop: 21459, Start Num: 50
Candidate Starts for Milcery_24:
(Start: 50 @19663 has 603 MA's), (87, 19768), (92, 19801), (110, 19900), (122, 19975), (125, 19990), (131, 20026), (141, 20098), (143, 20113), (150, 20152), (157, 20179), (161, 20200), (167, 20239), (197, 20377), (199, 20383), (224, 20518), (231, 20575), (232, 20578), (234, 20587), (244, 20629), (249, 20647), (260, 20707), (261, 20710), (280, 20803), (282, 20812), (286, 20836), (313, 20944), (319, 20980), (356, 21190), (373, 21292), (376, 21301), (392, 21415), (396, 21436), (398, 21445),

Gene: MilleFeuille_26 Start: 20942, Stop: 22744, Start Num: 52
Candidate Starts for MilleFeuille_26:
(Start: 52 @20942 has 230 MA's), (Start: 61 @20963 has 6 MA's), (Start: 71 @21005 has 1 MA's), (85, 21050), (122, 21266), (129, 21311), (132, 21320), (138, 21359), (144, 21410), (145, 21413), (187, 21608), (200, 21677), (234, 21878), (235, 21881), (239, 21902), (260, 21998), (261, 22001), (263, 22007), (277, 22076), (280, 22094), (282, 22103), (288, 22133), (314, 22229), (319, 22262), (322, 22277), (346, 22418), (356, 22475), (376, 22586),

Gene: Millski_26 Start: 19830, Stop: 21608, Start Num: 50
Candidate Starts for Millski_26:
(Start: 41 @19806 has 10 MA's), (Start: 50 @19830 has 603 MA's), (Start: 71 @19887 has 1 MA's), (87, 19941), (88, 19956), (92, 19974), (107, 20058), (109, 20070), (110, 20073), (122, 20148), (125, 20163), (132, 20202), (148, 20319), (165, 20406), (185, 20487), (195, 20535), (200, 20559), (216, 20646), (224, 20691), (235, 20763), (239, 20784), (244, 20802), (261, 20883), (280, 20976), (282, 20985), (286, 21009), (288, 21015), (295, 21039), (314, 21093), (318, 21114), (326, 21165), (330, 21189), (339, 21243), (356, 21339), (374, 21444), (377, 21459), (393, 21567), (396, 21585),

Gene: MinecraftSteve_31 Start: 19215, Stop: 21002, Start Num: 50
Candidate Starts for MinecraftSteve_31:
(32, 19149), (Start: 41 @19191 has 10 MA's), (Start: 50 @19215 has 603 MA's), (92, 19353), (102, 19410), (110, 19452), (117, 19488), (122, 19527), (134, 19596), (138, 19620), (145, 19674), (176, 19824), (187, 19869), (191, 19899), (199, 19935), (207, 19986), (215, 20022), (224, 20070), (232, 20130), (260, 20259), (277, 20337), (322, 20538), (323, 20544), (339, 20640), (368, 20805), (384,

20904),

Gene: Minispark_26 Start: 19606, Stop: 21396, Start Num: 50
Candidate Starts for Minispark_26:
(32, 19540), (42, 19591), (Start: 50 @19606 has 603 MA's), (85, 19702), (86, 19705), (104, 19807), (109, 19840), (110, 19843), (121, 19915), (122, 19918), (132, 19972), (133, 19978), (144, 20062), (148, 20089), (150, 20095), (152, 20101), (165, 20176), (185, 20257), (187, 20260), (197, 20320), (220, 20446), (230, 20509), (235, 20533), (242, 20566), (244, 20572), (261, 20653), (299, 20824), (314, 20881), (319, 20914), (322, 20929), (326, 20953), (333, 20989), (338, 21028), (341, 21043), (356, 21127), (367, 21193), (374, 21232), (376, 21238), (382, 21283),

Gene: Miramae_27 Start: 19775, Stop: 21568, Start Num: 54
Candidate Starts for Miramae_27:
(24, 19619), (29, 19664), (Start: 41 @19745 has 10 MA's), (Start: 50 @19769 has 603 MA's), (Start: 54 @19775 has 3 MA's), (Start: 71 @19829 has 1 MA's), (88, 19898), (103, 19976), (107, 20000), (109, 20012), (110, 20015), (122, 20090), (125, 20105), (132, 20144), (145, 20237), (148, 20261), (165, 20348), (191, 20462), (216, 20588), (224, 20633), (234, 20702), (239, 20726), (242, 20738), (261, 20825), (277, 20900), (280, 20918), (286, 20951), (288, 20957), (291, 20972), (313, 21050), (314, 21053), (318, 21074), (356, 21299), (374, 21404), (376, 21410), (396, 21545), (400, 21563),

Gene: Misomonster_31 Start: 20462, Stop: 22258, Start Num: 50
Candidate Starts for Misomonster_31:
(Start: 50 @20462 has 603 MA's), (Start: 71 @20519 has 1 MA's), (76, 20534), (86, 20567), (88, 20588), (91, 20603), (107, 20690), (109, 20702), (110, 20705), (122, 20780), (125, 20795), (131, 20831), (165, 21038), (191, 21152), (200, 21191), (216, 21278), (234, 21392), (239, 21416), (244, 21434), (261, 21515), (277, 21590), (280, 21608), (286, 21641), (288, 21647), (299, 21686), (313, 21740), (314, 21743), (318, 21764), (327, 21821), (356, 21989), (374, 22094), (376, 22100), (396, 22235),

Gene: MissWhite_28 Start: 19278, Stop: 21071, Start Num: 50
Candidate Starts for MissWhite_28:
(32, 19212), (Start: 41 @19254 has 10 MA's), (Start: 50 @19278 has 603 MA's), (86, 19377), (92, 19416), (109, 19512), (110, 19515), (121, 19587), (122, 19590), (125, 19605), (132, 19644), (133, 19650), (148, 19761), (150, 19767), (165, 19848), (179, 19905), (185, 19929), (187, 19932), (209, 20058), (217, 20094), (234, 20202), (244, 20244), (257, 20310), (261, 20325), (308, 20523), (314, 20556), (315, 20565), (319, 20589), (322, 20604), (326, 20628), (338, 20703), (341, 20718), (374, 20907), (376, 20913), (382, 20958),

Gene: Mkhuseli_28 Start: 21152, Stop: 22954, Start Num: 52
Candidate Starts for Mkhuseli_28:
(Start: 52 @21152 has 230 MA's), (Start: 61 @21173 has 6 MA's), (Start: 71 @21215 has 1 MA's), (85, 21260), (122, 21476), (129, 21521), (132, 21530), (138, 21569), (144, 21620), (145, 21623), (157, 21680), (187, 21818), (200, 21887), (234, 22088), (235, 22091), (239, 22112), (260, 22208), (261, 22211), (263, 22217), (277, 22286), (280, 22304), (282, 22313), (288, 22343), (314, 22439), (319, 22472), (322, 22487), (327, 22517), (346, 22628), (356, 22685), (376, 22796),

Gene: ModicumRichard_19 Start: 16548, Stop: 18212, Start Num: 56
Candidate Starts for ModicumRichard_19:
(Start: 48 @16533 has 8 MA's), (Start: 56 @16548 has 7 MA's), (58, 16554), (65, 16584), (68, 16593), (118, 16827), (122, 16860), (130, 16908), (141, 16983), (147, 17028), (165, 17118), (171, 17133), (182, 17187), (185, 17196), (191, 17229), (198, 17262), (200, 17268), (253, 17502), (255, 17514), (260, 17541), (267, 17574), (275, 17613), (277, 17622), (291, 17694), (310, 17709), (314, 17733), (322, 17781), (342, 17868), (348, 17889), (360, 17955), (370, 18021), (379, 18069), (390, 18159),

(400, 18207),

Gene: Molly_28 Start: 20868, Stop: 22670, Start Num: 52
Candidate Starts for Molly_28:
(Start: 52 @20868 has 230 MA's), (Start: 61 @20889 has 6 MA's), (Start: 71 @20931 has 1 MA's), (85, 20976), (122, 21192), (129, 21237), (132, 21246), (138, 21285), (144, 21336), (145, 21339), (187, 21534), (200, 21603), (234, 21804), (235, 21807), (239, 21828), (260, 21924), (261, 21927), (263, 21933), (277, 22002), (280, 22020), (282, 22029), (288, 22059), (314, 22155), (319, 22188), (322, 22203), (346, 22344), (356, 22401), (376, 22512),

Gene: Monet_29 Start: 22353, Stop: 24155, Start Num: 52
Candidate Starts for Monet_29:
(Start: 52 @22353 has 230 MA's), (Start: 61 @22374 has 6 MA's), (Start: 71 @22416 has 1 MA's), (85, 22461), (122, 22677), (129, 22722), (132, 22731), (138, 22770), (144, 22821), (145, 22824), (162, 22917), (187, 23019), (200, 23088), (234, 23289), (235, 23292), (239, 23313), (260, 23409), (261, 23412), (263, 23418), (277, 23487), (280, 23505), (282, 23514), (288, 23544), (314, 23640), (319, 23673), (322, 23688), (346, 23829), (356, 23886), (376, 23997),

Gene: MoneyMay_29 Start: 20378, Stop: 22174, Start Num: 50
Candidate Starts for MoneyMay_29:
(Start: 50 @20378 has 603 MA's), (Start: 71 @20435 has 1 MA's), (76, 20450), (86, 20483), (88, 20504), (91, 20519), (107, 20606), (109, 20618), (110, 20621), (122, 20696), (125, 20711), (131, 20747), (165, 20954), (191, 21068), (200, 21107), (216, 21194), (234, 21308), (239, 21332), (244, 21350), (261, 21431), (277, 21506), (280, 21524), (286, 21557), (288, 21563), (299, 21602), (313, 21656), (314, 21659), (318, 21680), (327, 21737), (356, 21905), (374, 22010), (376, 22016), (396, 22151),

Gene: Montavir_28 Start: 20379, Stop: 22175, Start Num: 50
Candidate Starts for Montavir_28:
(Start: 50 @20379 has 603 MA's), (Start: 71 @20436 has 1 MA's), (76, 20451), (86, 20484), (88, 20505), (91, 20520), (107, 20607), (109, 20619), (110, 20622), (122, 20697), (125, 20712), (131, 20748), (165, 20955), (191, 21069), (200, 21108), (216, 21195), (234, 21309), (239, 21333), (244, 21351), (261, 21432), (277, 21507), (280, 21525), (286, 21558), (288, 21564), (299, 21603), (313, 21657), (314, 21660), (318, 21681), (327, 21738), (356, 21906), (374, 22011), (376, 22017), (396, 22152),

Gene: Moonflower_19 Start: 17249, Stop: 18943, Start Num: 51
Candidate Starts for Moonflower_19:
(37, 17207), (Start: 39 @17219 has 5 MA's), (Start: 51 @17249 has 6 MA's), (86, 17351), (94, 17402), (105, 17459), (112, 17510), (123, 17588), (125, 17594), (175, 17867), (188, 17927), (193, 17963), (202, 18005), (218, 18047), (226, 18101), (280, 18362), (300, 18437), (315, 18479), (323, 18524), (346, 18620), (347, 18623), (351, 18638), (378, 18797), (379, 18803), (390, 18890), (399, 18935),

Gene: MoontowerMania_34 Start: 30587, Stop: 32350, Start Num: 34
Candidate Starts for MoontowerMania_34:
(31, 30569), (Start: 34 @30587 has 86 MA's), (Start: 39 @30623 has 5 MA's), (86, 30761), (102, 30857), (105, 30866), (114, 30935), (122, 30986), (129, 31031), (133, 31046), (144, 31127), (154, 31172), (156, 31181), (175, 31271), (181, 31301), (185, 31316), (189, 31340), (194, 31370), (223, 31475), (244, 31592), (248, 31610), (252, 31625), (257, 31655), (260, 31667), (261, 31670), (267, 31697), (346, 32021), (347, 32024), (355, 32072), (361, 32099), (365, 32126), (374, 32180), (380, 32207), (398, 32336),

Gene: Moose_26 Start: 21094, Stop: 22896, Start Num: 52

Candidate Starts for Moose_26:
(Start: 52 @21094 has 230 MA's), (Start: 61 @21115 has 6 MA's), (Start: 71 @21157 has 1 MA's), (85, 21202), (122, 21418), (129, 21463), (132, 21472), (138, 21511), (144, 21562), (145, 21565), (187, 21760), (200, 21829), (234, 22030), (235, 22033), (239, 22054), (260, 22150), (261, 22153), (263, 22159), (277, 22228), (280, 22246), (282, 22255), (288, 22285), (314, 22381), (319, 22414), (322, 22429), (327, 22459), (346, 22570), (356, 22627), (376, 22738),

Gene: Morgana_19 Start: 16541, Stop: 18205, Start Num: 56
Candidate Starts for Morgana_19:
(25, 16391), (40, 16502), (Start: 48 @16526 has 8 MA's), (Start: 56 @16541 has 7 MA's), (58, 16547), (65, 16577), (68, 16586), (118, 16820), (122, 16853), (130, 16901), (141, 16976), (144, 16997), (147, 17021), (150, 17030), (157, 17057), (171, 17126), (182, 17180), (185, 17189), (191, 17222), (198, 17255), (200, 17261), (255, 17507), (260, 17534), (267, 17567), (275, 17606), (277, 17615), (291, 17687), (310, 17702), (314, 17726), (322, 17774), (342, 17861), (348, 17882), (360, 17948), (370, 18014), (379, 18062), (390, 18152),

Gene: Morpher26_27 Start: 19826, Stop: 21625, Start Num: 50
Candidate Starts for Morpher26_27:
(Start: 41 @19802 has 10 MA's), (Start: 50 @19826 has 603 MA's), (Start: 71 @19886 has 1 MA's), (88, 19955), (103, 20033), (107, 20057), (109, 20069), (110, 20072), (117, 20108), (122, 20147), (132, 20201), (145, 20294), (148, 20318), (165, 20405), (191, 20519), (200, 20558), (216, 20645), (224, 20690), (234, 20759), (239, 20783), (242, 20795), (261, 20882), (277, 20957), (280, 20975), (282, 20984), (286, 21008), (288, 21014), (291, 21029), (304, 21062), (313, 21107), (314, 21110), (318, 21131), (356, 21356), (370, 21434), (374, 21461), (376, 21467), (396, 21602),

Gene: Morrow_27 Start: 19830, Stop: 21608, Start Num: 50
Candidate Starts for Morrow_27:
(Start: 41 @19806 has 10 MA's), (Start: 50 @19830 has 603 MA's), (Start: 71 @19887 has 1 MA's), (87, 19941), (88, 19956), (92, 19974), (107, 20058), (109, 20070), (110, 20073), (122, 20148), (125, 20163), (132, 20202), (148, 20319), (165, 20406), (185, 20487), (195, 20535), (200, 20559), (216, 20646), (224, 20691), (235, 20763), (239, 20784), (244, 20802), (261, 20883), (280, 20976), (282, 20985), (286, 21009), (288, 21015), (295, 21039), (314, 21093), (318, 21114), (326, 21165), (330, 21189), (339, 21243), (356, 21339), (374, 21444), (377, 21459), (393, 21567), (396, 21585),

Gene: MrGordo_27 Start: 20817, Stop: 22619, Start Num: 52
Candidate Starts for MrGordo_27:
(Start: 52 @20817 has 230 MA's), (Start: 61 @20838 has 6 MA's), (Start: 71 @20880 has 1 MA's), (85, 20925), (122, 21141), (129, 21186), (132, 21195), (138, 21234), (144, 21285), (145, 21288), (187, 21483), (200, 21552), (234, 21753), (235, 21756), (239, 21777), (260, 21873), (261, 21876), (263, 21882), (280, 21969), (288, 22008), (314, 22104), (319, 22137), (322, 22152), (346, 22293), (356, 22350), (376, 22461),

Gene: Mryolo_26 Start: 20854, Stop: 22656, Start Num: 52
Candidate Starts for Mryolo_26:
(Start: 52 @20854 has 230 MA's), (Start: 61 @20875 has 6 MA's), (Start: 71 @20917 has 1 MA's), (85, 20962), (122, 21178), (129, 21223), (132, 21232), (138, 21271), (144, 21322), (145, 21325), (187, 21520), (200, 21589), (234, 21790), (235, 21793), (239, 21814), (260, 21910), (261, 21913), (263, 21919), (277, 21988), (280, 22006), (282, 22015), (288, 22045), (314, 22141), (319, 22174), (322, 22189), (346, 22330), (356, 22387), (376, 22498),

Gene: MuchMore_31 Start: 20371, Stop: 22167, Start Num: 50
Candidate Starts for MuchMore_31:

(Start: 50 @20371 has 603 MA's), (Start: 71 @20428 has 1 MA's), (76, 20443), (86, 20476), (88, 20497), (91, 20512), (107, 20599), (109, 20611), (110, 20614), (122, 20689), (125, 20704), (131, 20740), (165, 20947), (191, 21061), (200, 21100), (216, 21187), (234, 21301), (239, 21325), (244, 21343), (261, 21424), (277, 21499), (280, 21517), (286, 21550), (288, 21556), (299, 21595), (313, 21649), (314, 21652), (318, 21673), (327, 21730), (356, 21898), (374, 22003), (376, 22009), (396, 22144),

Gene: Mulciber_28 Start: 20749, Stop: 22548, Start Num: 50
Candidate Starts for Mulciber_28:
(32, 20683), (Start: 41 @20725 has 10 MA's), (Start: 50 @20749 has 603 MA's), (68, 20791), (92, 20887), (96, 20902), (109, 20983), (110, 20986), (122, 21061), (125, 21076), (132, 21115), (133, 21121), (139, 21172), (148, 21232), (150, 21238), (165, 21319), (187, 21403), (209, 21529), (214, 21547), (219, 21574), (244, 21715), (257, 21781), (260, 21793), (261, 21796), (304, 21985), (311, 22012), (312, 22021), (315, 22042), (316, 22045), (319, 22066), (322, 22081), (326, 22105), (338, 22180), (341, 22195), (356, 22279), (374, 22384), (376, 22390), (383, 22444), (400, 22543),

Gene: Mule_27 Start: 21163, Stop: 22965, Start Num: 52
Candidate Starts for Mule_27:
(Start: 52 @21163 has 230 MA's), (Start: 61 @21184 has 6 MA's), (Start: 71 @21226 has 1 MA's), (85, 21271), (122, 21487), (129, 21532), (132, 21541), (138, 21580), (144, 21631), (145, 21634), (187, 21829), (200, 21898), (234, 22099), (235, 22102), (239, 22123), (260, 22219), (261, 22222), (263, 22228), (277, 22297), (280, 22315), (282, 22324), (288, 22354), (314, 22450), (319, 22483), (322, 22498), (346, 22639), (356, 22696), (376, 22807),

Gene: Munch_28 Start: 20755, Stop: 22554, Start Num: 50
Candidate Starts for Munch_28:
(32, 20689), (Start: 41 @20731 has 10 MA's), (Start: 50 @20755 has 603 MA's), (68, 20797), (92, 20893), (96, 20908), (109, 20989), (110, 20992), (122, 21067), (125, 21082), (132, 21121), (133, 21127), (139, 21178), (148, 21238), (150, 21244), (165, 21325), (187, 21409), (209, 21535), (214, 21553), (219, 21580), (244, 21721), (257, 21787), (260, 21799), (261, 21802), (304, 21991), (311, 22018), (312, 22027), (315, 22048), (316, 22051), (319, 22072), (322, 22087), (326, 22111), (338, 22186), (341, 22201), (356, 22285), (374, 22390), (376, 22396), (383, 22450), (400, 22549),

Gene: Mundrea_27 Start: 19791, Stop: 21590, Start Num: 50
Candidate Starts for Mundrea_27:
(Start: 41 @19767 has 10 MA's), (Start: 50 @19791 has 603 MA's), (Start: 54 @19797 has 3 MA's), (Start: 71 @19851 has 1 MA's), (88, 19920), (103, 19998), (107, 20022), (110, 20037), (122, 20112), (125, 20127), (132, 20166), (145, 20259), (148, 20283), (165, 20370), (191, 20484), (200, 20523), (216, 20610), (224, 20655), (234, 20724), (239, 20748), (242, 20760), (261, 20847), (277, 20922), (280, 20940), (282, 20949), (286, 20973), (288, 20979), (291, 20994), (304, 21027), (313, 21072), (314, 21075), (318, 21096), (356, 21321), (374, 21426), (376, 21432), (389, 21534), (396, 21567),

Gene: Museum_29 Start: 21173, Stop: 22975, Start Num: 52
Candidate Starts for Museum_29:
(Start: 52 @21173 has 230 MA's), (Start: 61 @21194 has 6 MA's), (Start: 71 @21236 has 1 MA's), (85, 21281), (122, 21497), (129, 21542), (132, 21551), (138, 21590), (144, 21641), (145, 21644), (162, 21737), (187, 21839), (200, 21908), (234, 22109), (235, 22112), (239, 22133), (260, 22229), (261, 22232), (263, 22238), (277, 22307), (280, 22325), (282, 22334), (288, 22364), (314, 22460), (319, 22493), (322, 22508), (346, 22649), (356, 22706), (376, 22817),

Gene: Mutzi_33 Start: 26290, Stop: 28056, Start Num: 34
Candidate Starts for Mutzi_33:

(28, 26248), (31, 26278), (Start: 34 @26290 has 86 MA's), (Start: 39 @26326 has 5 MA's), (Start: 53 @26359 has 7 MA's), (104, 26569), (105, 26572), (109, 26602), (119, 26668), (122, 26692), (123, 26701), (128, 26734), (146, 26839), (156, 26887), (159, 26905), (162, 26926), (175, 26977), (177, 26989), (181, 27007), (184, 27019), (186, 27031), (189, 27046), (194, 27076), (195, 27079), (199, 27100), (221, 27172), (227, 27220), (238, 27268), (239, 27280), (252, 27331), (258, 27364), (268, 27406), (282, 27478), (300, 27544), (308, 27556), (337, 27676), (346, 27727), (347, 27730), (355, 27778), (361, 27805), (362, 27808), (365, 27832), (374, 27886), (390, 28003), (395, 28024), (400, 28051),

Gene: MyraDee_25 Start: 18055, Stop: 19854, Start Num: 52
Candidate Starts for MyraDee_25:
(Start: 41 @18028 has 10 MA's), (Start: 52 @18055 has 230 MA's), (77, 18136), (87, 18172), (92, 18205), (109, 18301), (110, 18304), (117, 18340), (122, 18379), (125, 18394), (144, 18523), (148, 18550), (157, 18583), (165, 18637), (191, 18751), (195, 18766), (211, 18853), (212, 18856), (224, 18919), (234, 18988), (244, 19030), (261, 19111), (277, 19186), (280, 19204), (286, 19237), (288, 19243), (291, 19258), (299, 19282), (314, 19339), (315, 19348), (319, 19372), (322, 19387), (346, 19528), (374, 19690), (376, 19696), (377, 19705), (398, 19840),

Gene: Myxus_30 Start: 21746, Stop: 23539, Start Num: 48
Candidate Starts for Myxus_30:
(Start: 48 @21746 has 8 MA's), (Start: 50 @21749 has 603 MA's), (109, 21983), (110, 21986), (121, 22058), (122, 22061), (125, 22076), (132, 22115), (133, 22121), (148, 22232), (165, 22319), (185, 22400), (187, 22403), (220, 22589), (230, 22652), (235, 22676), (237, 22682), (244, 22715), (261, 22796), (286, 22922), (298, 22964), (299, 22967), (314, 23024), (319, 23057), (322, 23072), (338, 23171), (339, 23174), (341, 23186), (356, 23270), (367, 23336), (374, 23375), (376, 23381), (382, 23426), (389, 23483), (390, 23486),

Gene: NEHalo_27 Start: 20911, Stop: 22713, Start Num: 52
Candidate Starts for NEHalo_27:
(Start: 52 @20911 has 230 MA's), (Start: 61 @20932 has 6 MA's), (Start: 71 @20974 has 1 MA's), (85, 21019), (122, 21235), (129, 21280), (132, 21289), (144, 21379), (145, 21382), (162, 21475), (187, 21577), (200, 21646), (234, 21847), (235, 21850), (239, 21871), (260, 21967), (261, 21970), (263, 21976), (277, 22045), (280, 22063), (282, 22072), (288, 22102), (314, 22198), (319, 22231), (322, 22246), (346, 22387), (356, 22444), (376, 22555),

Gene: NaLuna_19 Start: 16647, Stop: 18377, Start Num: 47
Candidate Starts for NaLuna_19:
(26, 16527), (37, 16611), (Start: 47 @16647 has 5 MA's), (87, 16767), (101, 16851), (107, 16884), (112, 16917), (125, 17001), (159, 17202), (165, 17244), (175, 17280), (181, 17310), (186, 17334), (193, 17376), (199, 17403), (200, 17406), (218, 17460), (219, 17466), (231, 17553), (316, 17913), (320, 17937), (323, 17955), (346, 18051), (351, 18069), (378, 18228), (388, 18315), (394, 18342),

Gene: NaSiaTalie_28 Start: 20211, Stop: 21983, Start Num: 50
Candidate Starts for NaSiaTalie_28:
(Start: 41 @20187 has 10 MA's), (Start: 50 @20211 has 603 MA's), (91, 20346), (96, 20364), (109, 20445), (110, 20448), (121, 20520), (122, 20523), (132, 20577), (133, 20583), (141, 20646), (148, 20694), (157, 20727), (165, 20781), (185, 20862), (187, 20865), (191, 20895), (220, 21051), (235, 21138), (261, 21258), (285, 21381), (286, 21384), (288, 21390), (309, 21438), (319, 21501), (322, 21516), (323, 21522), (333, 21576), (338, 21615), (341, 21630), (348, 21663), (355, 21708), (374, 21819), (376, 21825), (383, 21879),

Gene: Naca_24 Start: 19512, Stop: 21311, Start Num: 50
Candidate Starts for Naca_24:

(Start: 50 @19512 has 603 MA's), (110, 19749), (122, 19824), (125, 19839), (131, 19875), (141, 19947), (143, 19962), (148, 19995), (150, 20001), (191, 20196), (197, 20226), (199, 20232), (216, 20322), (224, 20367), (234, 20436), (244, 20478), (249, 20496), (260, 20556), (261, 20559), (280, 20652), (313, 20793), (319, 20829), (373, 21144), (376, 21153), (396, 21288),

Gene: Naiad_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Naiad_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Naira_28 Start: 22770, Stop: 24572, Start Num: 52
Candidate Starts for Naira_28:
(Start: 52 @22770 has 230 MA's), (Start: 61 @22791 has 6 MA's), (Start: 71 @22833 has 1 MA's), (85, 22878), (122, 23094), (129, 23139), (132, 23148), (138, 23187), (144, 23238), (145, 23241), (187, 23436), (200, 23505), (210, 23565), (234, 23706), (235, 23709), (239, 23730), (260, 23826), (261, 23829), (263, 23835), (277, 23904), (280, 23922), (282, 23931), (288, 23961), (314, 24057), (319, 24090), (322, 24105), (346, 24246), (356, 24303), (376, 24414),

Gene: Naji_31 Start: 20049, Stop: 21839, Start Num: 50
Candidate Starts for Naji_31:
(32, 19983), (Start: 41 @20025 has 10 MA's), (Start: 50 @20049 has 603 MA's), (109, 20283), (110, 20286), (121, 20358), (122, 20361), (125, 20376), (132, 20415), (133, 20421), (148, 20532), (154, 20550), (165, 20619), (185, 20700), (187, 20703), (216, 20859), (220, 20889), (261, 21096), (286, 21222), (301, 21273), (314, 21324), (319, 21357), (322, 21372), (326, 21396), (338, 21471), (339, 21474), (341, 21486), (356, 21570), (370, 21648), (374, 21675), (376, 21681), (382, 21726), (383, 21735), (396, 21816),

Gene: Nancinator_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Nancinator_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Natosaleda_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Natosaleda_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: NearlyHeadless_24 Start: 18670, Stop: 20460, Start Num: 50
Candidate Starts for NearlyHeadless_24:
(Start: 41 @18646 has 10 MA's), (Start: 50 @18670 has 603 MA's), (84, 18763), (92, 18808), (110, 18907), (117, 18943), (122, 18982), (125, 18997), (131, 19033), (148, 19153), (150, 19159), (176, 19279), (203, 19408), (216, 19480), (234, 19594), (280, 19810), (286, 19843), (314, 19945), (319, 19978), (322, 19993), (327, 20023), (373, 20293), (376, 20302), (377, 20311), (394, 20425),

Gene: Nebs_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Nebs_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Nebulosus_30 Start: 19093, Stop: 20880, Start Num: 50
Candidate Starts for Nebulosus_30:
(32, 19027), (Start: 41 @19069 has 10 MA's), (Start: 50 @19093 has 603 MA's), (92, 19231), (102, 19288), (110, 19330), (117, 19366), (122, 19405), (134, 19474), (138, 19498), (145, 19552), (176, 19702), (187, 19747), (191, 19777), (199, 19813), (207, 19864), (215, 19900), (224, 19948), (232, 20008), (260, 20137), (277, 20215), (322, 20416), (323, 20422), (339, 20518), (368, 20683), (384, 20782),

Gene: Nedarya_29 Start: 19739, Stop: 21496, Start Num: 50
Candidate Starts for Nedarya_29:
(32, 19673), (Start: 41 @19715 has 10 MA's), (Start: 43 @19727 has 2 MA's), (Start: 50 @19739 has 603 MA's), (77, 19808), (102, 19934), (110, 19976), (117, 20012), (122, 20051), (125, 20066), (134, 20120), (138, 20144), (140, 20165), (154, 20240), (187, 20393), (191, 20423), (195, 20438), (199, 20459), (224, 20564), (232, 20624), (260, 20753), (321, 21023), (334, 21095), (356, 21227), (367, 21293), (368, 21299), (370, 21305), (374, 21332), (389, 21440),

Gene: Neeharika16_31 Start: 19969, Stop: 21741, Start Num: 50
Candidate Starts for Neeharika16_31:
(32, 19903), (Start: 41 @19945 has 10 MA's), (Start: 50 @19969 has 603 MA's), (103, 20167), (110, 20206), (121, 20278), (122, 20281), (126, 20299), (132, 20335), (133, 20341), (148, 20452), (150, 20458), (159, 20497), (165, 20539), (176, 20578), (185, 20620), (187, 20623), (197, 20683), (240, 20920), (244, 20935), (261, 21016), (288, 21148), (322, 21274), (331, 21325), (333, 21334), (338, 21373), (339, 21376), (341, 21388), (356, 21472), (374, 21577), (376, 21583), (396, 21718),

Gene: Nemo27_27 Start: 19826, Stop: 21604, Start Num: 50
Candidate Starts for Nemo27_27:
(Start: 41 @19802 has 10 MA's), (Start: 50 @19826 has 603 MA's), (Start: 71 @19883 has 1 MA's), (87, 19937), (88, 19952), (92, 19970), (107, 20054), (109, 20066), (110, 20069), (122, 20144), (125, 20159), (132, 20198), (148, 20315), (165, 20402), (185, 20483), (195, 20531), (200, 20555), (216, 20642), (224, 20687), (235, 20759), (239, 20780), (244, 20798), (261, 20879), (280, 20972), (282, 20981), (286, 21005), (288, 21011), (295, 21035), (314, 21089), (318, 21110), (326, 21161), (330, 21185), (339, 21239), (356, 21335), (374, 21440), (377, 21455), (393, 21563), (396, 21581),

Gene: Nerujay_28 Start: 21579, Stop: 23381, Start Num: 52
Candidate Starts for Nerujay_28:
(Start: 52 @21579 has 230 MA's), (Start: 61 @21600 has 6 MA's), (Start: 71 @21642 has 1 MA's), (85, 21687), (122, 21903), (129, 21948), (132, 21957), (138, 21996), (144, 22047), (145, 22050), (187, 22245), (200, 22314), (234, 22515), (235, 22518), (239, 22539), (260, 22635), (261, 22638), (263, 22644), (277, 22713), (280, 22731), (282, 22740), (288, 22770), (314, 22866), (319, 22899), (322, 22914), (346, 23055), (356, 23112), (376, 23223),

Gene: Newrala_31 Start: 19969, Stop: 21741, Start Num: 50
Candidate Starts for Newrala_31:

(32, 19903), (Start: 41 @19945 has 10 MA's), (Start: 50 @19969 has 603 MA's), (103, 20167), (110, 20206), (121, 20278), (122, 20281), (126, 20299), (132, 20335), (133, 20341), (148, 20452), (150, 20458), (159, 20497), (165, 20539), (176, 20578), (185, 20620), (187, 20623), (197, 20683), (240, 20920), (244, 20935), (261, 21016), (288, 21148), (322, 21274), (331, 21325), (333, 21334), (338, 21373), (339, 21376), (341, 21388), (356, 21472), (374, 21577), (376, 21583), (396, 21718),

Gene: Nhonho_27 Start: 21330, Stop: 23132, Start Num: 52
Candidate Starts for Nhonho_27:
(Start: 52 @21330 has 230 MA's), (Start: 61 @21351 has 6 MA's), (Start: 71 @21393 has 1 MA's), (85, 21438), (122, 21654), (129, 21699), (132, 21708), (138, 21747), (144, 21798), (145, 21801), (162, 21894), (187, 21996), (200, 22065), (234, 22266), (235, 22269), (239, 22290), (260, 22386), (261, 22389), (263, 22395), (277, 22464), (280, 22482), (282, 22491), (288, 22521), (314, 22617), (319, 22650), (322, 22665), (346, 22806), (356, 22863), (376, 22974), (400, 23127),

Gene: Nibbles_20 Start: 16710, Stop: 18404, Start Num: 49
Candidate Starts for Nibbles_20:
(17, 16386), (Start: 49 @16710 has 37 MA's), (115, 16995), (116, 16998), (122, 17043), (125, 17058), (138, 17136), (143, 17181), (162, 17283), (171, 17316), (172, 17328), (174, 17331), (186, 17388), (191, 17421), (195, 17436), (206, 17502), (222, 17544), (224, 17553), (229, 17598), (242, 17661), (260, 17742), (265, 17760), (267, 17769), (269, 17778), (280, 17835), (282, 17844), (322, 17976), (332, 18003), (336, 18024), (345, 18075), (346, 18078), (364, 18174), (367, 18201), (369, 18210), (370, 18213), (376, 18243), (379, 18261), (385, 18306), (399, 18396),

Gene: NicoleTera_32 Start: 22012, Stop: 23784, Start Num: 50
Candidate Starts for NicoleTera_32:
(Start: 41 @21988 has 10 MA's), (Start: 50 @22012 has 603 MA's), (100, 22195), (109, 22246), (110, 22249), (121, 22321), (122, 22324), (132, 22378), (133, 22384), (138, 22417), (148, 22495), (165, 22582), (185, 22663), (187, 22666), (235, 22939), (244, 22978), (260, 23056), (261, 23059), (288, 23191), (309, 23239), (314, 23269), (319, 23302), (322, 23317), (325, 23332), (328, 23353), (333, 23377), (338, 23416), (341, 23431), (348, 23464), (356, 23515), (374, 23620), (376, 23626), (383, 23680),

Gene: Niza_29 Start: 22150, Stop: 23952, Start Num: 52
Candidate Starts for Niza_29:
(Start: 52 @22150 has 230 MA's), (Start: 61 @22171 has 6 MA's), (Start: 71 @22213 has 1 MA's), (85, 22258), (122, 22474), (129, 22519), (132, 22528), (138, 22567), (144, 22618), (145, 22621), (187, 22816), (200, 22885), (210, 22945), (234, 23086), (235, 23089), (239, 23110), (260, 23206), (261, 23209), (263, 23215), (277, 23284), (280, 23302), (282, 23311), (288, 23341), (314, 23437), (319, 23470), (322, 23485), (346, 23626), (356, 23683), (376, 23794),

Gene: Nodigi_20 Start: 15752, Stop: 17443, Start Num: 43
Candidate Starts for Nodigi_20:
(5, 15278), (13, 15389), (37, 15725), (Start: 43 @15752 has 2 MA's), (Start: 49 @15755 has 37 MA's), (79, 15839), (91, 15896), (109, 15995), (117, 16046), (143, 16223), (147, 16253), (155, 16280), (159, 16301), (161, 16310), (162, 16325), (171, 16355), (172, 16367), (175, 16373), (176, 16376), (178, 16391), (191, 16460), (206, 16541), (222, 16583), (224, 16592), (226, 16610), (233, 16655), (253, 16739), (259, 16775), (260, 16778), (261, 16781), (265, 16796), (269, 16814), (280, 16871), (286, 16904), (320, 17000), (322, 17012), (323, 17018), (325, 17027), (332, 17039), (345, 17111), (346, 17114), (347, 17117), (351, 17132), (369, 17249), (376, 17282), (377, 17291), (396, 17420), (399, 17435),

Gene: Noella_28 Start: 20456, Stop: 22255, Start Num: 50
Candidate Starts for Noella_28:

(Start: 50 @20456 has 603 MA's), (Start: 71 @20516 has 1 MA's), (88, 20585), (107, 20687), (109, 20699), (110, 20702), (122, 20777), (125, 20792), (132, 20831), (154, 20966), (165, 21035), (191, 21149), (216, 21275), (234, 21389), (239, 21413), (242, 21425), (244, 21431), (261, 21512), (277, 21587), (280, 21605), (282, 21614), (286, 21638), (288, 21644), (291, 21659), (304, 21692), (313, 21737), (314, 21740), (318, 21761), (339, 21890), (356, 21986), (374, 22091), (376, 22097), (396, 22232),

Gene: Noelle_27 Start: 19888, Stop: 21681, Start Num: 54
Candidate Starts for Noelle_27:
(Start: 41 @19858 has 10 MA's), (Start: 50 @19882 has 603 MA's), (Start: 54 @19888 has 3 MA's), (Start: 71 @19942 has 1 MA's), (88, 20011), (91, 20026), (103, 20089), (107, 20113), (109, 20125), (110, 20128), (122, 20203), (125, 20218), (145, 20350), (148, 20374), (165, 20461), (191, 20575), (200, 20614), (216, 20701), (224, 20746), (234, 20815), (239, 20839), (244, 20857), (261, 20938), (277, 21013), (280, 21031), (286, 21064), (288, 21070), (291, 21085), (299, 21109), (313, 21163), (314, 21166), (318, 21187), (356, 21412), (374, 21517), (376, 21523), (396, 21658),

Gene: Norbert_27 Start: 20455, Stop: 22254, Start Num: 50
Candidate Starts for Norbert_27:
(Start: 50 @20455 has 603 MA's), (Start: 71 @20515 has 1 MA's), (88, 20584), (107, 20686), (109, 20698), (110, 20701), (122, 20776), (125, 20791), (132, 20830), (154, 20965), (165, 21034), (191, 21148), (216, 21274), (234, 21388), (239, 21412), (242, 21424), (244, 21430), (261, 21511), (277, 21586), (280, 21604), (282, 21613), (286, 21637), (288, 21643), (291, 21658), (304, 21691), (313, 21736), (314, 21739), (318, 21760), (339, 21889), (356, 21985), (374, 22090), (376, 22096), (396, 22231),

Gene: Nordenberg_29 Start: 29943, Stop: 31706, Start Num: 34
Candidate Starts for Nordenberg_29:
(31, 29925), (Start: 34 @29943 has 86 MA's), (Start: 39 @29979 has 5 MA's), (86, 30117), (102, 30213), (105, 30222), (114, 30291), (122, 30342), (129, 30387), (133, 30402), (144, 30483), (154, 30528), (156, 30537), (175, 30627), (181, 30657), (185, 30672), (189, 30696), (194, 30726), (223, 30831), (244, 30948), (248, 30966), (252, 30981), (257, 31011), (260, 31023), (261, 31026), (267, 31053), (346, 31377), (347, 31380), (355, 31428), (361, 31455), (365, 31482), (374, 31536), (379, 31560), (380, 31563), (390, 31653), (400, 31701),

Gene: NorthStar_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for NorthStar_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Northrop_27 Start: 19823, Stop: 21601, Start Num: 50
Candidate Starts for Northrop_27:
(Start: 41 @19799 has 10 MA's), (Start: 50 @19823 has 603 MA's), (Start: 71 @19880 has 1 MA's), (87, 19934), (88, 19949), (92, 19967), (107, 20051), (109, 20063), (110, 20066), (122, 20141), (125, 20156), (132, 20195), (148, 20312), (165, 20399), (185, 20480), (195, 20528), (200, 20552), (216, 20639), (224, 20684), (235, 20756), (239, 20777), (244, 20795), (261, 20876), (280, 20969), (282, 20978), (286, 21002), (288, 21008), (295, 21032), (314, 21086), (318, 21107), (326, 21158), (330, 21182), (339, 21236), (356, 21332), (374, 21437), (377, 21452), (393, 21560), (396, 21578),

Gene: Norz_29 Start: 21986, Stop: 23788, Start Num: 52

Candidate Starts for Norz_29:
(Start: 52 @21986 has 230 MA's), (Start: 61 @22007 has 6 MA's), (Start: 71 @22049 has 1 MA's), (85, 22094), (122, 22310), (129, 22355), (132, 22364), (138, 22403), (144, 22454), (145, 22457), (187, 22652), (200, 22721), (234, 22922), (235, 22925), (239, 22946), (260, 23042), (261, 23045), (263, 23051), (277, 23120), (280, 23138), (282, 23147), (288, 23177), (314, 23273), (319, 23306), (322, 23321), (346, 23462), (356, 23519), (376, 23630),

Gene: NotAPhaseMom_27 Start: 19831, Stop: 21609, Start Num: 50
Candidate Starts for NotAPhaseMom_27:
(Start: 41 @19807 has 10 MA's), (Start: 50 @19831 has 603 MA's), (Start: 71 @19888 has 1 MA's), (87, 19942), (88, 19957), (92, 19975), (107, 20059), (109, 20071), (110, 20074), (122, 20149), (125, 20164), (132, 20203), (148, 20320), (165, 20407), (185, 20488), (195, 20536), (200, 20560), (216, 20647), (224, 20692), (235, 20764), (239, 20785), (244, 20803), (261, 20884), (280, 20977), (282, 20986), (286, 21010), (288, 21016), (295, 21040), (314, 21094), (318, 21115), (326, 21166), (330, 21190), (339, 21244), (356, 21340), (374, 21445), (377, 21460), (393, 21568), (396, 21586),

Gene: NothingSpecial_30 Start: 22209, Stop: 23981, Start Num: 50
Candidate Starts for NothingSpecial_30:
(32, 22143), (Start: 41 @22185 has 10 MA's), (Start: 50 @22209 has 603 MA's), (91, 22344), (96, 22362), (109, 22443), (110, 22446), (121, 22518), (122, 22521), (132, 22575), (133, 22581), (148, 22692), (161, 22746), (165, 22779), (185, 22860), (187, 22863), (213, 23004), (216, 23019), (219, 23034), (235, 23136), (261, 23256), (288, 23388), (295, 23412), (318, 23487), (319, 23499), (322, 23514), (323, 23520), (338, 23613), (341, 23628), (356, 23712), (374, 23817), (376, 23823), (383, 23877),

Gene: Noxious_30 Start: 22615, Stop: 24417, Start Num: 52
Candidate Starts for Noxious_30:
(Start: 52 @22615 has 230 MA's), (Start: 61 @22636 has 6 MA's), (Start: 71 @22678 has 1 MA's), (85, 22723), (122, 22939), (129, 22984), (132, 22993), (138, 23032), (144, 23083), (145, 23086), (187, 23281), (200, 23350), (234, 23551), (235, 23554), (239, 23575), (260, 23671), (261, 23674), (263, 23680), (277, 23749), (280, 23767), (282, 23776), (288, 23806), (314, 23902), (319, 23935), (322, 23950), (327, 23980), (346, 24091), (356, 24148), (376, 24259), (400, 24412),

Gene: Nubi_31 Start: 25863, Stop: 27629, Start Num: 34
Candidate Starts for Nubi_31:
(28, 25821), (Start: 34 @25863 has 86 MA's), (Start: 39 @25899 has 5 MA's), (Start: 53 @25932 has 7 MA's), (104, 26142), (105, 26145), (109, 26175), (119, 26241), (122, 26265), (123, 26274), (128, 26307), (156, 26460), (162, 26499), (175, 26550), (177, 26562), (181, 26580), (184, 26592), (186, 26604), (189, 26619), (194, 26649), (195, 26652), (199, 26673), (221, 26745), (227, 26793), (252, 26904), (258, 26937), (267, 26976), (268, 26979), (282, 27051), (300, 27117), (308, 27129), (346, 27300), (347, 27303), (355, 27351), (361, 27378), (365, 27405), (366, 27411), (374, 27459), (390, 27576), (395, 27597), (400, 27624),

Gene: Nyxis_27 Start: 19770, Stop: 21548, Start Num: 50
Candidate Starts for Nyxis_27:
(Start: 41 @19746 has 10 MA's), (Start: 50 @19770 has 603 MA's), (Start: 71 @19827 has 1 MA's), (87, 19881), (88, 19896), (92, 19914), (107, 19998), (109, 20010), (110, 20013), (122, 20088), (125, 20103), (132, 20142), (148, 20259), (165, 20346), (185, 20427), (195, 20475), (200, 20499), (216, 20586), (224, 20631), (235, 20703), (239, 20724), (244, 20742), (261, 20823), (280, 20916), (282, 20925), (286, 20949), (288, 20955), (295, 20979), (314, 21033), (318, 21054), (326, 21105), (330, 21129), (356, 21279), (374, 21384), (377, 21399), (393, 21507), (396, 21525),

Gene: OKCentral2016_27 Start: 19492, Stop: 21270, Start Num: 50

Candidate Starts for OKCentral2016_27:
(Start: 41 @19468 has 10 MA's), (Start: 50 @19492 has 603 MA's), (Start: 71 @19549 has 1 MA's), (76, 19564), (88, 19618), (107, 19720), (109, 19732), (110, 19735), (122, 19810), (125, 19825), (132, 19864), (148, 19981), (154, 19999), (165, 20068), (183, 20143), (191, 20182), (200, 20221), (216, 20308), (220, 20338), (224, 20353), (230, 20401), (239, 20446), (242, 20458), (244, 20464), (260, 20542), (261, 20545), (280, 20638), (282, 20647), (286, 20671), (288, 20677), (291, 20692), (309, 20725), (318, 20776), (321, 20794), (327, 20833), (328, 20839), (346, 20944), (356, 21001), (362, 21025), (363, 21031), (374, 21106), (376, 21112), (377, 21121), (396, 21247),

Gene: OKaNui_28 Start: 19880, Stop: 21658, Start Num: 50
Candidate Starts for OKaNui_28:
(Start: 41 @19856 has 10 MA's), (Start: 50 @19880 has 603 MA's), (Start: 71 @19937 has 1 MA's), (87, 19991), (88, 20006), (92, 20024), (107, 20108), (109, 20120), (110, 20123), (122, 20198), (125, 20213), (132, 20252), (148, 20369), (165, 20456), (185, 20537), (195, 20585), (200, 20609), (216, 20696), (224, 20741), (235, 20813), (239, 20834), (244, 20852), (261, 20933), (280, 21026), (282, 21035), (286, 21059), (288, 21065), (295, 21089), (314, 21143), (318, 21164), (326, 21215), (330, 21239), (339, 21293), (356, 21389), (374, 21494), (377, 21509), (393, 21617), (396, 21635),

Gene: ObLaDi_19 Start: 16527, Stop: 18191, Start Num: 56
Candidate Starts for ObLaDi_19:
(Start: 48 @16512 has 8 MA's), (Start: 56 @16527 has 7 MA's), (58, 16533), (65, 16563), (68, 16572), (118, 16806), (122, 16839), (130, 16887), (141, 16962), (147, 17007), (165, 17097), (171, 17112), (182, 17166), (185, 17175), (191, 17208), (198, 17241), (200, 17247), (253, 17481), (255, 17493), (260, 17520), (267, 17553), (275, 17592), (277, 17601), (291, 17673), (310, 17688), (314, 17712), (322, 17760), (342, 17847), (348, 17868), (360, 17934), (370, 18000), (379, 18048), (390, 18138), (400, 18186),

Gene: Obama12_28 Start: 20140, Stop: 21921, Start Num: 50
Candidate Starts for Obama12_28:
(Start: 41 @20116 has 10 MA's), (Start: 50 @20140 has 603 MA's), (Start: 54 @20146 has 3 MA's), (Start: 71 @20200 has 1 MA's), (76, 20215), (88, 20269), (92, 20287), (107, 20371), (109, 20383), (110, 20386), (122, 20461), (125, 20476), (132, 20515), (148, 20632), (165, 20719), (185, 20800), (195, 20848), (200, 20872), (216, 20959), (224, 21004), (235, 21076), (239, 21097), (244, 21115), (261, 21196), (277, 21271), (280, 21289), (282, 21298), (286, 21322), (288, 21328), (295, 21352), (312, 21394), (314, 21406), (318, 21427), (326, 21478), (330, 21502), (339, 21556), (356, 21652), (374, 21757), (377, 21772), (393, 21880), (396, 21898),

Gene: Odin_27 Start: 18961, Stop: 20751, Start Num: 50
Candidate Starts for Odin_27:
(32, 18895), (Start: 41 @18937 has 10 MA's), (Start: 50 @18961 has 603 MA's), (96, 19114), (109, 19195), (110, 19198), (121, 19270), (122, 19273), (125, 19288), (132, 19327), (133, 19333), (148, 19444), (150, 19450), (157, 19477), (165, 19531), (185, 19612), (216, 19771), (220, 19801), (244, 19927), (255, 19978), (261, 20008), (286, 20134), (302, 20188), (311, 20215), (312, 20224), (314, 20236), (319, 20269), (322, 20284), (326, 20308), (338, 20383), (339, 20386), (341, 20398), (356, 20482), (374, 20587), (382, 20638), (383, 20647), (396, 20728),

Gene: Ohfah_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Ohfah_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330,

21183), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Ohno789_27 Start: 20972, Stop: 22774, Start Num: 52
Candidate Starts for Ohno789_27:
(Start: 52 @20972 has 230 MA's), (Start: 61 @20993 has 6 MA's), (Start: 71 @21035 has 1 MA's), (85, 21080), (122, 21296), (129, 21341), (132, 21350), (138, 21389), (144, 21440), (145, 21443), (187, 21638), (200, 21707), (234, 21908), (235, 21911), (239, 21932), (260, 22028), (261, 22031), (263, 22037), (277, 22106), (280, 22124), (282, 22133), (288, 22163), (314, 22259), (319, 22292), (322, 22307), (346, 22448), (356, 22505), (376, 22616),

Gene: OlanP_29 Start: 20640, Stop: 22436, Start Num: 50
Candidate Starts for OlanP_29:
(Start: 50 @20640 has 603 MA's), (Start: 71 @20697 has 1 MA's), (76, 20712), (88, 20766), (91, 20781), (107, 20868), (109, 20880), (110, 20883), (122, 20958), (125, 20973), (165, 21216), (200, 21369), (216, 21456), (234, 21570), (239, 21594), (244, 21612), (261, 21693), (277, 21768), (280, 21786), (282, 21795), (286, 21819), (288, 21825), (291, 21840), (299, 21864), (313, 21918), (314, 21921), (318, 21942), (376, 22278), (396, 22413),

Gene: Ollie_29 Start: 20249, Stop: 22045, Start Num: 50
Candidate Starts for Ollie_29:
(Start: 50 @20249 has 603 MA's), (Start: 71 @20306 has 1 MA's), (76, 20321), (86, 20354), (88, 20375), (91, 20390), (107, 20477), (109, 20489), (110, 20492), (122, 20567), (125, 20582), (131, 20618), (165, 20825), (191, 20939), (200, 20978), (216, 21065), (234, 21179), (239, 21203), (244, 21221), (261, 21302), (277, 21377), (280, 21395), (286, 21428), (288, 21434), (299, 21473), (313, 21527), (314, 21530), (318, 21551), (327, 21608), (356, 21776), (374, 21881), (376, 21887), (396, 22022),

Gene: Onglai_29 Start: 20083, Stop: 21873, Start Num: 50
Candidate Starts for Onglai_29:
(Start: 48 @20080 has 8 MA's), (Start: 50 @20083 has 603 MA's), (109, 20317), (110, 20320), (121, 20392), (122, 20395), (125, 20410), (132, 20449), (133, 20455), (148, 20566), (165, 20653), (185, 20734), (187, 20737), (220, 20923), (230, 20986), (235, 21010), (237, 21016), (244, 21049), (261, 21130), (286, 21256), (298, 21298), (314, 21358), (319, 21391), (322, 21406), (338, 21505), (339, 21508), (341, 21520), (356, 21604), (367, 21670), (374, 21709), (376, 21715), (382, 21760), (389, 21817), (390, 21820),

Gene: Oofda_30 Start: 19067, Stop: 20854, Start Num: 50
Candidate Starts for Oofda_30:
(32, 19001), (Start: 41 @19043 has 10 MA's), (Start: 50 @19067 has 603 MA's), (92, 19205), (102, 19262), (110, 19304), (117, 19340), (122, 19379), (134, 19448), (138, 19472), (145, 19526), (176, 19676), (187, 19721), (191, 19751), (199, 19787), (207, 19838), (215, 19874), (224, 19922), (232, 19982), (260, 20111), (277, 20189), (322, 20390), (323, 20396), (339, 20492), (368, 20657), (384, 20756),

Gene: Oogway_26 Start: 21094, Stop: 22896, Start Num: 52
Candidate Starts for Oogway_26:
(Start: 52 @21094 has 230 MA's), (Start: 61 @21115 has 6 MA's), (Start: 71 @21157 has 1 MA's), (85, 21202), (122, 21418), (129, 21463), (132, 21472), (138, 21511), (144, 21562), (145, 21565), (187, 21760), (200, 21829), (234, 22030), (235, 22033), (239, 22054), (260, 22150), (261, 22153), (263, 22159), (277, 22228), (280, 22246), (282, 22255), (288, 22285), (314, 22381), (319, 22414), (322, 22429), (346, 22570), (356, 22627), (376, 22738), (400, 22891),

Gene: Opie_19 Start: 16985, Stop: 18715, Start Num: 45

Candidate Starts for Opie_19:
(26, 16868), (37, 16952), (Start: 39 @16964 has 5 MA's), (Start: 45 @16985 has 6 MA's), (112, 17255), (125, 17339), (144, 17468), (159, 17540), (165, 17582), (175, 17618), (181, 17648), (186, 17672), (193, 17714), (199, 17741), (218, 17798), (219, 17804), (231, 17891), (316, 18251), (320, 18275), (323, 18293), (346, 18389), (370, 18524), (377, 18563), (378, 18566), (388, 18653), (394, 18680),

Gene: Orange_28 Start: 20755, Stop: 22554, Start Num: 50
Candidate Starts for Orange_28:
(32, 20689), (Start: 41 @20731 has 10 MA's), (Start: 50 @20755 has 603 MA's), (68, 20797), (92, 20893), (96, 20908), (109, 20989), (110, 20992), (122, 21067), (125, 21082), (132, 21121), (133, 21127), (139, 21178), (148, 21238), (150, 21244), (165, 21325), (187, 21409), (209, 21535), (214, 21553), (219, 21580), (244, 21721), (257, 21787), (260, 21799), (261, 21802), (304, 21991), (311, 22018), (312, 22027), (315, 22048), (316, 22051), (319, 22072), (322, 22087), (326, 22111), (338, 22186), (341, 22201), (356, 22285), (374, 22390), (376, 22396), (383, 22450), (400, 22549),

Gene: Orla_20 Start: 15759, Stop: 17447, Start Num: 49
Candidate Starts for Orla_20:
(37, 15729), (Start: 43 @15756 has 2 MA's), (Start: 49 @15759 has 37 MA's), (91, 15900), (109, 15999), (117, 16050), (120, 16077), (143, 16227), (147, 16257), (155, 16284), (159, 16305), (161, 16314), (162, 16329), (171, 16359), (172, 16371), (175, 16377), (176, 16380), (178, 16395), (191, 16464), (195, 16479), (206, 16545), (222, 16587), (224, 16596), (226, 16614), (233, 16659), (253, 16743), (259, 16779), (260, 16782), (261, 16785), (265, 16800), (269, 16818), (280, 16875), (286, 16908), (320, 17004), (322, 17016), (323, 17022), (325, 17031), (332, 17043), (345, 17115), (346, 17118), (347, 17121), (351, 17136), (367, 17244), (369, 17253), (376, 17286), (377, 17295), (396, 17424), (399, 17439),

Gene: P28Green_29 Start: 20380, Stop: 22176, Start Num: 50
Candidate Starts for P28Green_29:
(Start: 50 @20380 has 603 MA's), (Start: 71 @20437 has 1 MA's), (76, 20452), (88, 20506), (91, 20521), (107, 20608), (109, 20620), (110, 20623), (122, 20698), (125, 20713), (131, 20749), (165, 20956), (200, 21109), (216, 21196), (234, 21310), (239, 21334), (244, 21352), (261, 21433), (277, 21508), (280, 21526), (286, 21559), (288, 21565), (299, 21604), (313, 21658), (314, 21661), (318, 21682), (327, 21739), (356, 21907), (374, 22012), (376, 22018), (396, 22153),

Gene: PGHhamlin_31 Start: 20371, Stop: 22167, Start Num: 50
Candidate Starts for PGHhamlin_31:
(Start: 50 @20371 has 603 MA's), (Start: 71 @20428 has 1 MA's), (76, 20443), (86, 20476), (88, 20497), (91, 20512), (107, 20599), (109, 20611), (110, 20614), (122, 20689), (125, 20704), (131, 20740), (165, 20947), (191, 21061), (200, 21100), (216, 21187), (234, 21301), (239, 21325), (244, 21343), (261, 21424), (277, 21499), (280, 21517), (286, 21550), (288, 21556), (299, 21595), (313, 21649), (314, 21652), (318, 21673), (327, 21730), (356, 21898), (374, 22003), (376, 22009), (396, 22144),

Gene: PP_37 Start: 25826, Stop: 27616, Start Num: 50
Candidate Starts for PP_37:
(4, 25235), (6, 25340), (7, 25346), (12, 25436), (15, 25478), (19, 25508), (24, 25676), (32, 25760), (Start: 41 @25802 has 10 MA's), (Start: 50 @25826 has 603 MA's), (Start: 61 @25835 has 6 MA's), (86, 25925), (91, 25961), (96, 25979), (109, 26060), (110, 26063), (122, 26138), (132, 26192), (150, 26315), (157, 26342), (165, 26396), (183, 26471), (185, 26477), (187, 26480), (209, 26606), (235, 26753), (244, 26792), (286, 26999), (291, 27020), (299, 27044), (312, 27089), (313, 27098), (314, 27101), (319, 27134), (322, 27149), (326, 27173), (328, 27185), (338, 27248), (339, 27251), (356, 27347), (361, 27368), (370, 27425), (374, 27452), (376, 27458), (379, 27476), (382, 27503), (383, 27512), (396, 27593),

Gene: PSonyx_17 Start: 17526, Stop: 19172, Start Num: 62
Candidate Starts for PSonyx_17:
(Start: 62 @17526 has 2 MA's), (110, 17751), (118, 17793), (150, 18003), (152, 18009), (173, 18114), (189, 18180), (198, 18231), (221, 18306), (261, 18510), (267, 18537), (276, 18582), (287, 18639), (348, 18852), (390, 19116), (395, 19137), (400, 19164),

Gene: PSullivan_29 Start: 21585, Stop: 23387, Start Num: 52
Candidate Starts for PSullivan_29:
(Start: 52 @21585 has 230 MA's), (Start: 61 @21606 has 6 MA's), (Start: 71 @21648 has 1 MA's), (85, 21693), (122, 21909), (129, 21954), (132, 21963), (138, 22002), (144, 22053), (145, 22056), (187, 22251), (200, 22320), (234, 22521), (235, 22524), (239, 22545), (260, 22641), (261, 22644), (263, 22650), (277, 22719), (280, 22737), (282, 22746), (288, 22776), (314, 22872), (319, 22905), (322, 22920), (346, 23061), (356, 23118), (376, 23229),

Gene: PacerPaul_27 Start: 21373, Stop: 23175, Start Num: 52
Candidate Starts for PacerPaul_27:
(Start: 52 @21373 has 230 MA's), (Start: 61 @21394 has 6 MA's), (Start: 71 @21436 has 1 MA's), (85, 21481), (122, 21697), (129, 21742), (132, 21751), (144, 21841), (145, 21844), (187, 22039), (200, 22108), (231, 22297), (234, 22309), (235, 22312), (239, 22333), (260, 22429), (261, 22432), (263, 22438), (277, 22507), (280, 22525), (282, 22534), (288, 22564), (314, 22660), (319, 22693), (322, 22708), (346, 22849), (356, 22906), (376, 23017), (400, 23170),

Gene: PackMan_30 Start: 21746, Stop: 23539, Start Num: 48
Candidate Starts for PackMan_30:
(Start: 48 @21746 has 8 MA's), (Start: 50 @21749 has 603 MA's), (109, 21983), (110, 21986), (121, 22058), (122, 22061), (125, 22076), (132, 22115), (133, 22121), (148, 22232), (165, 22319), (185, 22400), (187, 22403), (220, 22589), (230, 22652), (235, 22676), (237, 22682), (244, 22715), (261, 22796), (286, 22922), (298, 22964), (299, 22967), (314, 23024), (319, 23057), (322, 23072), (338, 23171), (339, 23174), (341, 23186), (356, 23270), (367, 23336), (374, 23375), (376, 23381), (382, 23426), (389, 23483), (390, 23486),

Gene: PainterBoy_29 Start: 20875, Stop: 22665, Start Num: 50
Candidate Starts for PainterBoy_29:
(Start: 41 @20851 has 10 MA's), (Start: 50 @20875 has 603 MA's), (96, 21028), (109, 21109), (110, 21112), (121, 21184), (122, 21187), (126, 21205), (127, 21226), (132, 21241), (133, 21247), (139, 21298), (148, 21358), (157, 21391), (165, 21445), (185, 21526), (187, 21529), (220, 21715), (235, 21802), (244, 21841), (261, 21922), (286, 22048), (307, 22111), (313, 22147), (322, 22198), (338, 22297), (348, 22345), (356, 22396), (374, 22501), (376, 22507), (383, 22561),

Gene: Palestino_26 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Palestino_26:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Panamaxus_27 Start: 20455, Stop: 22254, Start Num: 50
Candidate Starts for Panamaxus_27:
(Start: 50 @20455 has 603 MA's), (Start: 71 @20515 has 1 MA's), (88, 20584), (107, 20686), (109, 20698), (110, 20701), (122, 20776), (125, 20791), (132, 20830), (154, 20965), (165, 21034), (191,

21148), (216, 21274), (234, 21388), (239, 21412), (242, 21424), (244, 21430), (261, 21511), (277, 21586), (280, 21604), (282, 21613), (286, 21637), (288, 21643), (291, 21658), (304, 21691), (313, 21736), (314, 21739), (318, 21760), (339, 21889), (356, 21985), (374, 22090), (376, 22096), (396, 22231),

Gene: Papez_29 Start: 22831, Stop: 24612, Start Num: 61
Candidate Starts for Papez_29:
(Start: 52 @22810 has 230 MA's), (Start: 61 @22831 has 6 MA's), (Start: 71 @22873 has 1 MA's), (85, 22918), (122, 23134), (129, 23179), (132, 23188), (138, 23227), (144, 23278), (145, 23281), (187, 23476), (200, 23545), (234, 23746), (235, 23749), (239, 23770), (260, 23866), (261, 23869), (263, 23875), (277, 23944), (280, 23962), (282, 23971), (288, 24001), (314, 24097), (319, 24130), (322, 24145), (346, 24286), (356, 24343), (376, 24454),

Gene: Paphu_26 Start: 20886, Stop: 22688, Start Num: 52
Candidate Starts for Paphu_26:
(Start: 50 @20883 has 603 MA's), (Start: 52 @20886 has 230 MA's), (Start: 61 @20907 has 6 MA's), (Start: 71 @20949 has 1 MA's), (85, 20994), (122, 21210), (129, 21255), (132, 21264), (138, 21303), (144, 21354), (145, 21357), (187, 21552), (200, 21621), (234, 21822), (235, 21825), (239, 21846), (260, 21942), (261, 21945), (263, 21951), (277, 22020), (280, 22038), (282, 22047), (288, 22077), (314, 22173), (319, 22206), (322, 22221), (346, 22362), (356, 22419), (376, 22530), (400, 22683),

Gene: Paraselene_26 Start: 21257, Stop: 23059, Start Num: 52
Candidate Starts for Paraselene_26:
(Start: 52 @21257 has 230 MA's), (Start: 61 @21278 has 6 MA's), (Start: 71 @21320 has 1 MA's), (85, 21365), (122, 21581), (129, 21626), (132, 21635), (138, 21674), (144, 21725), (145, 21728), (187, 21923), (200, 21992), (234, 22193), (235, 22196), (239, 22217), (260, 22313), (261, 22316), (263, 22322), (277, 22391), (280, 22409), (282, 22418), (288, 22448), (314, 22544), (319, 22577), (322, 22592), (346, 22733), (356, 22790), (376, 22901),

Gene: Pari_28 Start: 20846, Stop: 22648, Start Num: 52
Candidate Starts for Pari_28:
(Start: 52 @20846 has 230 MA's), (Start: 61 @20867 has 6 MA's), (Start: 71 @20909 has 1 MA's), (85, 20954), (122, 21170), (129, 21215), (132, 21224), (144, 21314), (145, 21317), (162, 21410), (187, 21512), (200, 21581), (231, 21770), (234, 21782), (235, 21785), (239, 21806), (260, 21902), (261, 21905), (263, 21911), (277, 21980), (280, 21998), (282, 22007), (288, 22037), (314, 22133), (319, 22166), (322, 22181), (346, 22322), (356, 22379), (376, 22490), (400, 22643),

Gene: Paries_37 Start: 31409, Stop: 33172, Start Num: 34
Candidate Starts for Paries_37:
(31, 31391), (Start: 34 @31409 has 86 MA's), (Start: 39 @31445 has 5 MA's), (86, 31583), (102, 31679), (105, 31688), (114, 31757), (122, 31808), (129, 31853), (133, 31868), (144, 31949), (154, 31994), (156, 32003), (175, 32093), (181, 32123), (185, 32138), (189, 32162), (194, 32192), (223, 32297), (244, 32414), (248, 32432), (252, 32447), (257, 32477), (260, 32489), (261, 32492), (267, 32519), (345, 32840), (346, 32843), (347, 32846), (355, 32894), (361, 32921), (365, 32948), (374, 33002), (379, 33026), (380, 33029), (390, 33119), (400, 33167),

Gene: Parliament_26 Start: 21181, Stop: 22983, Start Num: 52
Candidate Starts for Parliament_26:
(Start: 52 @21181 has 230 MA's), (Start: 61 @21202 has 6 MA's), (Start: 71 @21244 has 1 MA's), (85, 21289), (122, 21505), (129, 21550), (132, 21559), (144, 21649), (145, 21652), (148, 21676), (162, 21745), (187, 21847), (200, 21916), (231, 22105), (234, 22117), (235, 22120), (239, 22141), (260, 22237), (261, 22240), (263, 22246), (277, 22315), (280, 22333), (282, 22342), (288, 22372), (314, 22468), (319, 22501), (322, 22516), (346, 22657), (356, 22714), (376, 22825),

Gene: Partridge_23 Start: 16382, Stop: 18007, Start Num: 64
Candidate Starts for Partridge_23:
(Start: 60 @16367 has 3 MA's), (Start: 64 @16382 has 32 MA's), (83, 16451), (90, 16487), (122, 16673), (142, 16802), (148, 16844), (154, 16862), (156, 16871), (Start: 160 @16895 has 1 MA's), (162, 16913), (171, 16943), (174, 16958), (175, 16961), (183, 17000), (187, 17009), (203, 17093), (230, 17210), (235, 17234), (260, 17348), (277, 17426), (283, 17465), (286, 17477), (289, 17486), (309, 17507), (322, 17585), (354, 17732), (372, 17831), (374, 17846), (399, 17999),

Gene: PascalRango_26 Start: 20874, Stop: 22676, Start Num: 52
Candidate Starts for PascalRango_26:
(Start: 52 @20874 has 230 MA's), (Start: 61 @20895 has 6 MA's), (Start: 71 @20937 has 1 MA's), (85, 20982), (122, 21198), (129, 21243), (132, 21252), (138, 21291), (144, 21342), (145, 21345), (162, 21438), (187, 21540), (200, 21609), (234, 21810), (235, 21813), (239, 21834), (260, 21930), (261, 21933), (263, 21939), (277, 22008), (280, 22026), (282, 22035), (288, 22065), (314, 22161), (319, 22194), (322, 22209), (346, 22350), (356, 22407), (376, 22518),

Gene: PatriciaStar_18 Start: 16850, Stop: 18544, Start Num: 51
Candidate Starts for PatriciaStar_18:
(37, 16808), (Start: 39 @16820 has 5 MA's), (Start: 51 @16850 has 6 MA's), (86, 16952), (94, 17003), (105, 17060), (112, 17111), (123, 17189), (125, 17195), (147, 17345), (175, 17468), (176, 17471), (188, 17528), (193, 17564), (202, 17606), (218, 17648), (226, 17702), (238, 17765), (280, 17963), (300, 18038), (315, 18080), (323, 18125), (346, 18221), (347, 18224), (378, 18398), (379, 18404), (390, 18491), (399, 18536),

Gene: PattyP_29 Start: 21382, Stop: 23184, Start Num: 52
Candidate Starts for PattyP_29:
(Start: 52 @21382 has 230 MA's), (Start: 61 @21403 has 6 MA's), (Start: 71 @21445 has 1 MA's), (85, 21490), (122, 21706), (129, 21751), (132, 21760), (138, 21799), (144, 21850), (145, 21853), (187, 22048), (200, 22117), (234, 22318), (235, 22321), (239, 22342), (260, 22438), (261, 22441), (263, 22447), (277, 22516), (280, 22534), (282, 22543), (288, 22573), (314, 22669), (319, 22702), (322, 22717), (346, 22858), (356, 22915), (376, 23026),

Gene: Pawn_29 Start: 20460, Stop: 22256, Start Num: 50
Candidate Starts for Pawn_29:
(Start: 50 @20460 has 603 MA's), (Start: 71 @20517 has 1 MA's), (76, 20532), (88, 20586), (91, 20601), (107, 20688), (109, 20700), (110, 20703), (122, 20778), (125, 20793), (165, 21036), (200, 21189), (216, 21276), (230, 21369), (234, 21390), (239, 21414), (242, 21426), (244, 21432), (261, 21513), (277, 21588), (280, 21606), (282, 21615), (286, 21639), (288, 21645), (291, 21660), (299, 21684), (313, 21738), (314, 21741), (318, 21762), (374, 22092), (376, 22098), (396, 22233),

Gene: Payneful_27 Start: 20630, Stop: 22432, Start Num: 52
Candidate Starts for Payneful_27:
(Start: 52 @20630 has 230 MA's), (Start: 61 @20651 has 6 MA's), (Start: 71 @20693 has 1 MA's), (85, 20738), (122, 20954), (129, 20999), (132, 21008), (138, 21047), (144, 21098), (145, 21101), (187, 21296), (200, 21365), (234, 21566), (235, 21569), (239, 21590), (260, 21686), (261, 21689), (263, 21695), (277, 21764), (280, 21782), (282, 21791), (288, 21821), (314, 21917), (319, 21950), (322, 21965), (346, 22106), (356, 22163), (376, 22274),

Gene: PeaceMeal1_26 Start: 17890, Stop: 19668, Start Num: 50
Candidate Starts for PeaceMeal1_26:
(Start: 41 @17866 has 10 MA's), (Start: 50 @17890 has 603 MA's), (Start: 71 @17947 has 1 MA's), (76, 17962), (88, 18016), (109, 18130), (110, 18133), (122, 18208), (127, 18247), (148, 18379), (165,

18466), (183, 18541), (191, 18580), (200, 18619), (216, 18706), (224, 18751), (234, 18820), (239, 18844), (242, 18856), (244, 18862), (280, 19036), (282, 19045), (286, 19069), (288, 19075), (291, 19090), (309, 19123), (318, 19174), (327, 19231), (328, 19237), (356, 19399), (374, 19504), (376, 19510), (377, 19519), (396, 19645),

Gene: Peaches_27 Start: 19826, Stop: 21604, Start Num: 50
Candidate Starts for Peaches_27:
(Start: 41 @19802 has 10 MA's), (Start: 50 @19826 has 603 MA's), (Start: 71 @19883 has 1 MA's), (87, 19937), (88, 19952), (92, 19970), (107, 20054), (109, 20066), (110, 20069), (122, 20144), (125, 20159), (132, 20198), (148, 20315), (165, 20402), (185, 20483), (195, 20531), (200, 20555), (216, 20642), (224, 20687), (235, 20759), (239, 20780), (244, 20798), (261, 20879), (280, 20972), (282, 20981), (286, 21005), (288, 21011), (295, 21035), (314, 21089), (318, 21110), (326, 21161), (330, 21185), (339, 21239), (356, 21335), (374, 21440), (377, 21455), (393, 21563), (396, 21581),

Gene: Pelly_28 Start: 21801, Stop: 23603, Start Num: 52
Candidate Starts for Pelly_28:
(Start: 52 @21801 has 230 MA's), (Start: 61 @21822 has 6 MA's), (Start: 71 @21864 has 1 MA's), (85, 21909), (122, 22125), (129, 22170), (132, 22179), (138, 22218), (144, 22269), (145, 22272), (187, 22467), (200, 22536), (234, 22737), (235, 22740), (239, 22761), (260, 22857), (261, 22860), (263, 22866), (277, 22935), (280, 22953), (282, 22962), (288, 22992), (314, 23088), (319, 23121), (322, 23136), (327, 23166), (346, 23277), (356, 23334), (376, 23445),

Gene: Pembroke_29 Start: 20380, Stop: 22176, Start Num: 50
Candidate Starts for Pembroke_29:
(Start: 50 @20380 has 603 MA's), (Start: 71 @20437 has 1 MA's), (76, 20452), (86, 20485), (88, 20506), (91, 20521), (107, 20608), (109, 20620), (110, 20623), (122, 20698), (125, 20713), (131, 20749), (165, 20956), (191, 21070), (200, 21109), (216, 21196), (234, 21310), (239, 21334), (244, 21352), (261, 21433), (277, 21508), (280, 21526), (286, 21559), (288, 21565), (299, 21604), (313, 21658), (314, 21661), (318, 21682), (327, 21739), (356, 21907), (374, 22012), (376, 22018), (396, 22153),

Gene: Penny1_29 Start: 20379, Stop: 22175, Start Num: 50
Candidate Starts for Penny1_29:
(Start: 50 @20379 has 603 MA's), (Start: 71 @20436 has 1 MA's), (76, 20451), (86, 20484), (88, 20505), (91, 20520), (107, 20607), (109, 20619), (110, 20622), (122, 20697), (125, 20712), (131, 20748), (165, 20955), (191, 21069), (200, 21108), (216, 21195), (234, 21309), (239, 21333), (244, 21351), (261, 21432), (277, 21507), (280, 21525), (286, 21558), (288, 21564), (299, 21603), (313, 21657), (314, 21660), (318, 21681), (327, 21738), (356, 21906), (374, 22011), (376, 22017), (396, 22152),

Gene: Pepe_28 Start: 21983, Stop: 23785, Start Num: 52
Candidate Starts for Pepe_28:
(Start: 52 @21983 has 230 MA's), (Start: 61 @22004 has 6 MA's), (Start: 71 @22046 has 1 MA's), (85, 22091), (122, 22307), (129, 22352), (132, 22361), (138, 22400), (144, 22451), (145, 22454), (187, 22649), (200, 22718), (234, 22919), (235, 22922), (239, 22943), (260, 23039), (261, 23042), (263, 23048), (277, 23117), (280, 23135), (282, 23144), (288, 23174), (314, 23270), (319, 23303), (322, 23318), (346, 23459), (356, 23516), (376, 23627),

Gene: Periwinkle_22 Start: 16893, Stop: 18590, Start Num: 49
Candidate Starts for Periwinkle_22:
(37, 16854), (Start: 49 @16893 has 37 MA's), (Start: 55 @16905 has 1 MA's), (79, 16983), (86, 17004), (94, 17052), (97, 17061), (103, 17103), (109, 17139), (118, 17196), (120, 17217), (125, 17244), (128, 17271), (148, 17400), (162, 17469), (165, 17487), (169, 17496), (171, 17502), (181, 17550), (188,

17580), (193, 17616), (195, 17622), (199, 17643), (200, 17646), (208, 17697), (222, 17727), (226, 17754), (229, 17781), (246, 17853), (254, 17892), (268, 17946), (276, 17988), (293, 18063), (315, 18126), (320, 18153), (321, 18156), (323, 18171), (343, 18255), (345, 18264), (346, 18267), (348, 18273), (351, 18285), (352, 18288), (355, 18318), (356, 18324), (361, 18345), (362, 18348), (370, 18402), (376, 18432), (377, 18441), (384, 18492), (387, 18525), (390, 18537), (394, 18555),

Gene: Perplexer_27 Start: 19823, Stop: 21622, Start Num: 50
Candidate Starts for Perplexer_27:
(Start: 41 @19799 has 10 MA's), (Start: 50 @19823 has 603 MA's), (Start: 54 @19829 has 3 MA's), (Start: 71 @19883 has 1 MA's), (88, 19952), (103, 20030), (107, 20054), (110, 20069), (117, 20105), (122, 20144), (125, 20159), (145, 20291), (148, 20315), (165, 20402), (191, 20516), (200, 20555), (216, 20642), (224, 20687), (234, 20756), (239, 20780), (242, 20792), (261, 20879), (277, 20954), (280, 20972), (282, 20981), (286, 21005), (288, 21011), (291, 21026), (304, 21059), (313, 21104), (314, 21107), (318, 21128), (356, 21353), (370, 21431), (374, 21458), (376, 21464), (396, 21599),

Gene: Perseus_28 Start: 21723, Stop: 23525, Start Num: 52
Candidate Starts for Perseus_28:
(Start: 52 @21723 has 230 MA's), (Start: 61 @21744 has 6 MA's), (Start: 71 @21786 has 1 MA's), (85, 21831), (122, 22047), (129, 22092), (132, 22101), (138, 22140), (144, 22191), (145, 22194), (159, 22263), (187, 22389), (200, 22458), (234, 22659), (235, 22662), (239, 22683), (260, 22779), (261, 22782), (263, 22788), (277, 22857), (280, 22875), (282, 22884), (288, 22914), (314, 23010), (319, 23043), (322, 23058), (346, 23199), (356, 23256), (376, 23367), (400, 23520),

Gene: PeterPeter_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for PeterPeter_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (139, 20256), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Petersenfast_28 Start: 20752, Stop: 22551, Start Num: 50
Candidate Starts for Petersenfast_28:
(32, 20686), (Start: 41 @20728 has 10 MA's), (Start: 50 @20752 has 603 MA's), (68, 20794), (92, 20890), (96, 20905), (109, 20986), (110, 20989), (122, 21064), (125, 21079), (132, 21118), (133, 21124), (139, 21175), (148, 21235), (150, 21241), (165, 21322), (187, 21406), (209, 21532), (214, 21550), (219, 21577), (244, 21718), (257, 21784), (260, 21796), (261, 21799), (304, 21988), (311, 22015), (312, 22024), (315, 22045), (316, 22048), (319, 22069), (322, 22084), (326, 22108), (338, 22183), (341, 22198), (356, 22282), (374, 22387), (376, 22393), (383, 22447), (400, 22546),

Gene: Peterson_30 Start: 23011, Stop: 24813, Start Num: 52
Candidate Starts for Peterson_30:
(Start: 52 @23011 has 230 MA's), (Start: 61 @23032 has 6 MA's), (Start: 71 @23074 has 1 MA's), (85, 23119), (122, 23335), (129, 23380), (132, 23389), (138, 23428), (144, 23479), (145, 23482), (148, 23506), (187, 23677), (200, 23746), (231, 23935), (234, 23947), (235, 23950), (239, 23971), (260, 24067), (261, 24070), (263, 24076), (277, 24145), (280, 24163), (282, 24172), (288, 24202), (314, 24298), (319, 24331), (322, 24346), (346, 24487), (356, 24544), (376, 24655), (400, 24808),

Gene: PetiteSangsue_27 Start: 19826, Stop: 21625, Start Num: 50
Candidate Starts for PetiteSangsue_27:

(Start: 41 @19802 has 10 MA's), (Start: 50 @19826 has 603 MA's), (Start: 54 @19832 has 3 MA's), (Start: 71 @19886 has 1 MA's), (88, 19955), (107, 20057), (110, 20072), (117, 20108), (122, 20147), (125, 20162), (132, 20201), (145, 20294), (148, 20318), (165, 20405), (191, 20519), (200, 20558), (216, 20645), (224, 20690), (234, 20759), (239, 20783), (242, 20795), (261, 20882), (277, 20957), (280, 20975), (282, 20984), (286, 21008), (288, 21014), (291, 21029), (304, 21062), (313, 21107), (314, 21110), (318, 21131), (356, 21356), (370, 21434), (374, 21461), (376, 21467), (396, 21602),

Gene: Petp2012_29 Start: 22053, Stop: 23855, Start Num: 52
Candidate Starts for Petp2012_29:
(Start: 52 @22053 has 230 MA's), (Start: 61 @22074 has 6 MA's), (Start: 71 @22116 has 1 MA's), (85, 22161), (122, 22377), (129, 22422), (132, 22431), (138, 22470), (144, 22521), (145, 22524), (187, 22719), (200, 22788), (234, 22989), (235, 22992), (239, 23013), (260, 23109), (261, 23112), (263, 23118), (277, 23187), (280, 23205), (282, 23214), (288, 23244), (314, 23340), (319, 23373), (322, 23388), (346, 23529), (356, 23586), (376, 23697),

Gene: Petruchio_28 Start: 21511, Stop: 23313, Start Num: 52
Candidate Starts for Petruchio_28:
(Start: 52 @21511 has 230 MA's), (Start: 61 @21532 has 6 MA's), (Start: 71 @21574 has 1 MA's), (85, 21619), (122, 21835), (129, 21880), (132, 21889), (138, 21928), (144, 21979), (145, 21982), (187, 22177), (200, 22246), (234, 22447), (235, 22450), (239, 22471), (260, 22567), (261, 22570), (277, 22645), (280, 22663), (282, 22672), (288, 22702), (314, 22798), (319, 22831), (322, 22846), (327, 22876), (346, 22987), (356, 23044), (376, 23155),

Gene: PetterN_25 Start: 18946, Stop: 20745, Start Num: 50
Candidate Starts for PetterN_25:
(Start: 50 @18946 has 603 MA's), (110, 19183), (122, 19258), (125, 19273), (131, 19309), (141, 19381), (143, 19396), (148, 19429), (150, 19435), (191, 19630), (197, 19660), (199, 19666), (216, 19756), (224, 19801), (234, 19870), (244, 19912), (249, 19930), (260, 19990), (261, 19993), (280, 20086), (313, 20227), (319, 20263), (321, 20269), (373, 20578), (376, 20587), (396, 20722),

Gene: Ph8s_29 Start: 18919, Stop: 20709, Start Num: 50
Candidate Starts for Ph8s_29:
(32, 18853), (Start: 41 @18895 has 10 MA's), (Start: 50 @18919 has 603 MA's), (69, 18964), (74, 18979), (96, 19072), (109, 19153), (110, 19156), (121, 19228), (122, 19231), (125, 19246), (132, 19285), (133, 19291), (148, 19402), (150, 19408), (157, 19435), (165, 19489), (185, 19570), (216, 19729), (220, 19759), (237, 19852), (244, 19885), (255, 19936), (261, 19966), (286, 20092), (311, 20173), (312, 20182), (319, 20227), (322, 20242), (326, 20266), (338, 20341), (339, 20344), (341, 20356), (356, 20440), (374, 20545), (383, 20605), (396, 20686),

Gene: Phabuloso_20 Start: 16422, Stop: 18119, Start Num: 49
Candidate Starts for Phabuloso_20:
(37, 16383), (Start: 49 @16422 has 37 MA's), (Start: 55 @16434 has 1 MA's), (67, 16473), (79, 16512), (86, 16533), (94, 16581), (97, 16590), (103, 16632), (109, 16668), (118, 16725), (125, 16773), (128, 16800), (152, 16941), (162, 16998), (165, 17016), (169, 17025), (171, 17031), (188, 17109), (193, 17145), (195, 17151), (199, 17172), (200, 17175), (208, 17226), (221, 17253), (222, 17256), (226, 17283), (229, 17310), (246, 17382), (254, 17421), (268, 17475), (276, 17517), (293, 17592), (315, 17655), (320, 17682), (321, 17685), (323, 17700), (343, 17784), (345, 17793), (346, 17796), (348, 17802), (351, 17814), (352, 17817), (355, 17847), (356, 17853), (361, 17874), (362, 17877), (370, 17931), (376, 17961), (377, 17970), (384, 18021), (387, 18054), (390, 18066), (394, 18084),

Gene: Phacado_27 Start: 19826, Stop: 21604, Start Num: 50
Candidate Starts for Phacado_27:

(Start: 41 @19802 has 10 MA's), (Start: 50 @19826 has 603 MA's), (Start: 71 @19883 has 1 MA's), (87, 19937), (88, 19952), (92, 19970), (107, 20054), (109, 20066), (110, 20069), (122, 20144), (125, 20159), (132, 20198), (148, 20315), (165, 20402), (185, 20483), (195, 20531), (200, 20555), (216, 20642), (224, 20687), (235, 20759), (239, 20780), (244, 20798), (261, 20879), (280, 20972), (282, 20981), (286, 21005), (288, 21011), (295, 21035), (314, 21089), (318, 21110), (326, 21161), (330, 21185), (339, 21239), (356, 21335), (374, 21440), (377, 21455), (393, 21563), (396, 21581),

Gene: Phaded_31 Start: 22135, Stop: 23907, Start Num: 50
Candidate Starts for Phaded_31:
(Start: 41 @22111 has 10 MA's), (Start: 50 @22135 has 603 MA's), (91, 22270), (96, 22288), (109, 22369), (110, 22372), (121, 22444), (122, 22447), (139, 22558), (143, 22585), (148, 22618), (159, 22663), (165, 22705), (187, 22789), (216, 22945), (221, 22978), (257, 23167), (261, 23182), (286, 23308), (288, 23314), (319, 23425), (322, 23440), (323, 23446), (326, 23464), (333, 23500), (338, 23539), (341, 23554), (356, 23638), (374, 23743), (376, 23749), (379, 23767), (382, 23794),

Gene: Phaeder_30 Start: 21746, Stop: 23539, Start Num: 48
Candidate Starts for Phaeder_30:
(Start: 48 @21746 has 8 MA's), (Start: 50 @21749 has 603 MA's), (109, 21983), (110, 21986), (121, 22058), (122, 22061), (125, 22076), (132, 22115), (133, 22121), (148, 22232), (165, 22319), (185, 22400), (187, 22403), (220, 22589), (230, 22652), (235, 22676), (237, 22682), (244, 22715), (261, 22796), (286, 22922), (298, 22964), (299, 22967), (314, 23024), (319, 23057), (322, 23072), (338, 23171), (339, 23174), (341, 23186), (356, 23270), (367, 23336), (374, 23375), (376, 23381), (382, 23426), (389, 23483), (390, 23486),

Gene: PhailMary_22 Start: 16671, Stop: 18296, Start Num: 64
Candidate Starts for PhailMary_22:
(Start: 60 @16656 has 3 MA's), (Start: 64 @16671 has 32 MA's), (83, 16740), (90, 16776), (122, 16962), (142, 17091), (148, 17133), (154, 17151), (156, 17160), (Start: 160 @17184 has 1 MA's), (162, 17202), (171, 17232), (174, 17247), (175, 17250), (183, 17289), (187, 17298), (203, 17382), (220, 17436), (224, 17451), (230, 17499), (235, 17523), (260, 17637), (277, 17715), (283, 17754), (286, 17766), (289, 17775), (309, 17796), (322, 17874), (354, 18021), (372, 18120), (374, 18135), (399, 18288),

Gene: Phantastic_27 Start: 19872, Stop: 21668, Start Num: 50
Candidate Starts for Phantastic_27:
(Start: 50 @19872 has 603 MA's), (Start: 71 @19929 has 1 MA's), (88, 19998), (107, 20100), (109, 20112), (110, 20115), (122, 20190), (132, 20244), (154, 20379), (165, 20448), (191, 20562), (216, 20688), (234, 20802), (239, 20826), (244, 20844), (261, 20925), (277, 21000), (280, 21018), (282, 21027), (288, 21057), (291, 21072), (299, 21096), (304, 21105), (313, 21150), (314, 21153), (318, 21174), (319, 21186), (356, 21399), (362, 21423), (374, 21504), (376, 21510), (396, 21645),

Gene: Pharaoh_28 Start: 21256, Stop: 23046, Start Num: 50
Candidate Starts for Pharaoh_28:
(Start: 41 @21232 has 10 MA's), (Start: 50 @21256 has 603 MA's), (96, 21409), (97, 21412), (109, 21490), (110, 21493), (113, 21523), (121, 21565), (122, 21568), (125, 21583), (132, 21622), (133, 21628), (139, 21679), (148, 21739), (157, 21772), (165, 21826), (185, 21907), (187, 21910), (214, 22054), (220, 22096), (244, 22222), (261, 22303), (286, 22429), (298, 22471), (314, 22531), (319, 22564), (322, 22579), (323, 22585), (333, 22639), (338, 22678), (341, 22693), (356, 22777), (376, 22888), (382, 22933), (396, 23023),

Gene: Phelipe_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Phelipe_27:

(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: PherrisBueller_28 Start: 20966, Stop: 22768, Start Num: 52
Candidate Starts for PherrisBueller_28:
(Start: 52 @20966 has 230 MA's), (Start: 61 @20987 has 6 MA's), (Start: 71 @21029 has 1 MA's), (85, 21074), (122, 21290), (129, 21335), (132, 21344), (138, 21383), (144, 21434), (145, 21437), (187, 21632), (200, 21701), (234, 21902), (235, 21905), (239, 21926), (260, 22022), (261, 22025), (263, 22031), (277, 22100), (280, 22118), (282, 22127), (288, 22157), (314, 22253), (319, 22286), (322, 22301), (346, 22442), (356, 22499), (376, 22610), (400, 22763),

Gene: Phighter1804_27 Start: 19805, Stop: 21583, Start Num: 50
Candidate Starts for Phighter1804_27:
(Start: 41 @19781 has 10 MA's), (Start: 50 @19805 has 603 MA's), (Start: 71 @19862 has 1 MA's), (87, 19916), (88, 19931), (92, 19949), (107, 20033), (109, 20045), (110, 20048), (122, 20123), (125, 20138), (132, 20177), (148, 20294), (165, 20381), (185, 20462), (195, 20510), (200, 20534), (216, 20621), (224, 20666), (235, 20738), (239, 20759), (244, 20777), (280, 20951), (282, 20960), (286, 20984), (288, 20990), (295, 21014), (314, 21068), (318, 21089), (326, 21140), (330, 21164), (339, 21218), (356, 21314), (374, 21419), (377, 21434), (393, 21542), (396, 21560),

Gene: Phillis_24 Start: 18628, Stop: 20418, Start Num: 50
Candidate Starts for Phillis_24:
(Start: 41 @18604 has 10 MA's), (Start: 50 @18628 has 603 MA's), (84, 18721), (92, 18766), (110, 18865), (117, 18901), (122, 18940), (125, 18955), (131, 18991), (148, 19111), (150, 19117), (176, 19237), (203, 19366), (216, 19438), (234, 19552), (280, 19768), (285, 19798), (286, 19801), (314, 19903), (319, 19936), (322, 19951), (327, 19981), (373, 20251), (376, 20260), (377, 20269), (394, 20383),

Gene: PhineBark_26 Start: 21857, Stop: 23659, Start Num: 52
Candidate Starts for PhineBark_26:
(Start: 52 @21857 has 230 MA's), (Start: 61 @21878 has 6 MA's), (Start: 71 @21920 has 1 MA's), (85, 21965), (122, 22181), (129, 22226), (132, 22235), (138, 22274), (144, 22325), (145, 22328), (187, 22523), (200, 22592), (234, 22793), (235, 22796), (239, 22817), (260, 22913), (261, 22916), (263, 22922), (277, 22991), (280, 23009), (282, 23018), (288, 23048), (314, 23144), (319, 23177), (322, 23192), (346, 23333), (356, 23390), (376, 23501),

Gene: PhishRPhriends_28 Start: 19644, Stop: 21440, Start Num: 50
Candidate Starts for PhishRPhriends_28:
(Start: 50 @19644 has 603 MA's), (Start: 71 @19701 has 1 MA's), (76, 19716), (88, 19770), (91, 19785), (107, 19872), (109, 19884), (110, 19887), (122, 19962), (125, 19977), (165, 20220), (200, 20373), (216, 20460), (230, 20553), (234, 20574), (239, 20598), (242, 20610), (244, 20616), (261, 20697), (277, 20772), (280, 20790), (282, 20799), (286, 20823), (288, 20829), (291, 20844), (299, 20868), (313, 20922), (314, 20925), (318, 20946), (374, 21276), (376, 21282), (396, 21417),

Gene: Phistory_21 Start: 17200, Stop: 18897, Start Num: 49
Candidate Starts for Phistory_21:
(37, 17161), (Start: 49 @17200 has 37 MA's), (Start: 55 @17212 has 1 MA's), (57, 17215), (67, 17251), (79, 17290), (86, 17311), (93, 17353), (94, 17359), (95, 17362), (99, 17374), (103, 17410), (109, 17446), (118, 17503), (125, 17551), (128, 17578), (144, 17680), (152, 17719), (162, 17776), (165,

17794), (169, 17803), (171, 17809), (181, 17857), (188, 17887), (193, 17923), (195, 17929), (199, 17950), (200, 17953), (208, 18004), (221, 18031), (222, 18034), (226, 18061), (229, 18088), (246, 18160), (254, 18199), (268, 18253), (282, 18325), (293, 18370), (320, 18460), (323, 18478), (343, 18562), (345, 18571), (346, 18574), (348, 18580), (352, 18595), (355, 18625), (356, 18631), (361, 18652), (362, 18655), (370, 18709), (376, 18739), (377, 18748), (384, 18799), (387, 18832), (390, 18844), (394, 18862),

Gene: Phlei_23 Start: 21753, Stop: 23534, Start Num: 50
Candidate Starts for Phlei_23:
(Start: 50 @21753 has 603 MA's), (86, 21852), (87, 21858), (92, 21891), (103, 21951), (109, 21987), (110, 21990), (122, 22065), (154, 22254), (165, 22323), (185, 22404), (187, 22407), (197, 22467), (203, 22491), (220, 22587), (235, 22674), (244, 22713), (260, 22788), (308, 22986), (313, 23016), (314, 23019), (322, 23067), (335, 23139), (338, 23166), (356, 23265), (367, 23331), (370, 23343), (374, 23370), (376, 23376), (390, 23481),

Gene: Phlippers_26 Start: 22182, Stop: 23984, Start Num: 52
Candidate Starts for Phlippers_26:
(Start: 52 @22182 has 230 MA's), (Start: 61 @22203 has 6 MA's), (Start: 71 @22245 has 1 MA's), (85, 22290), (122, 22506), (129, 22551), (132, 22560), (144, 22650), (145, 22653), (162, 22746), (187, 22848), (200, 22917), (231, 23106), (234, 23118), (235, 23121), (239, 23142), (260, 23238), (261, 23241), (263, 23247), (277, 23316), (280, 23334), (282, 23343), (288, 23373), (314, 23469), (319, 23502), (322, 23517), (327, 23547), (346, 23658), (356, 23715), (376, 23826),

Gene: Phlop_31 Start: 25945, Stop: 27711, Start Num: 34
Candidate Starts for Phlop_31:
(28, 25903), (Start: 34 @25945 has 86 MA's), (Start: 39 @25981 has 5 MA's), (Start: 53 @26014 has 7 MA's), (104, 26224), (105, 26227), (109, 26257), (119, 26323), (122, 26347), (123, 26356), (128, 26389), (156, 26542), (162, 26581), (175, 26632), (177, 26644), (181, 26662), (184, 26674), (186, 26686), (189, 26701), (194, 26731), (195, 26734), (199, 26755), (221, 26827), (227, 26875), (252, 26986), (258, 27019), (267, 27058), (268, 27061), (282, 27133), (300, 27199), (308, 27211), (346, 27382), (347, 27385), (355, 27433), (361, 27460), (365, 27487), (374, 27541), (390, 27658), (395, 27679), (400, 27706),

Gene: Phlorence_24 Start: 19764, Stop: 21563, Start Num: 50
Candidate Starts for Phlorence_24:
(Start: 50 @19764 has 603 MA's), (87, 19869), (92, 19902), (110, 20001), (122, 20076), (125, 20091), (131, 20127), (141, 20199), (143, 20214), (148, 20247), (150, 20253), (197, 20478), (199, 20484), (216, 20574), (232, 20679), (234, 20688), (244, 20730), (249, 20748), (260, 20808), (261, 20811), (277, 20886), (280, 20904), (313, 21045), (319, 21081), (356, 21294), (373, 21396), (376, 21405), (392, 21519), (396, 21540), (398, 21549),

Gene: Phoebe_29 Start: 20377, Stop: 22173, Start Num: 50
Candidate Starts for Phoebe_29:
(Start: 50 @20377 has 603 MA's), (Start: 71 @20434 has 1 MA's), (76, 20449), (86, 20482), (88, 20503), (91, 20518), (107, 20605), (109, 20617), (110, 20620), (122, 20695), (125, 20710), (131, 20746), (165, 20953), (191, 21067), (200, 21106), (216, 21193), (234, 21307), (239, 21331), (244, 21349), (261, 21430), (277, 21505), (280, 21523), (286, 21556), (288, 21562), (299, 21601), (313, 21655), (314, 21658), (318, 21679), (327, 21736), (356, 21904), (374, 22009), (376, 22015), (396, 22150),

Gene: Phonnegut_30 Start: 21782, Stop: 23572, Start Num: 50
Candidate Starts for Phonnegut_30:

(Start: 48 @21779 has 8 MA's), (Start: 50 @21782 has 603 MA's), (109, 22016), (110, 22019), (121, 22091), (122, 22094), (125, 22109), (132, 22148), (133, 22154), (148, 22265), (165, 22352), (185, 22433), (187, 22436), (220, 22622), (230, 22685), (235, 22709), (237, 22715), (244, 22748), (261, 22829), (286, 22955), (298, 22997), (314, 23057), (319, 23090), (322, 23105), (338, 23204), (339, 23207), (341, 23219), (356, 23303), (367, 23369), (374, 23408), (376, 23414), (382, 23459), (389, 23516), (390, 23519),

Gene: Phontbonne_27 Start: 19771, Stop: 21549, Start Num: 50
Candidate Starts for Phontbonne_27:
(Start: 41 @19747 has 10 MA's), (Start: 50 @19771 has 603 MA's), (Start: 71 @19828 has 1 MA's), (87, 19882), (88, 19897), (92, 19915), (107, 19999), (109, 20011), (110, 20014), (122, 20089), (125, 20104), (132, 20143), (148, 20260), (165, 20347), (185, 20428), (195, 20476), (200, 20500), (216, 20587), (224, 20632), (235, 20704), (239, 20725), (244, 20743), (261, 20824), (280, 20917), (282, 20926), (286, 20950), (288, 20956), (295, 20980), (314, 21034), (318, 21055), (326, 21106), (330, 21130), (356, 21280), (374, 21385), (377, 21400), (393, 21508), (396, 21526),

Gene: Phoxy_29 Start: 20463, Stop: 22259, Start Num: 50
Candidate Starts for Phoxy_29:
(Start: 50 @20463 has 603 MA's), (Start: 71 @20520 has 1 MA's), (76, 20535), (86, 20568), (88, 20589), (91, 20604), (107, 20691), (109, 20703), (110, 20706), (122, 20781), (125, 20796), (131, 20832), (165, 21039), (191, 21153), (200, 21192), (216, 21279), (234, 21393), (239, 21417), (244, 21435), (261, 21516), (277, 21591), (280, 21609), (286, 21642), (288, 21648), (299, 21687), (313, 21741), (314, 21744), (318, 21765), (327, 21822), (356, 21990), (374, 22095), (376, 22101), (396, 22236),

Gene: Phrankenstein_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Phrankenstein_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Phranny_30 Start: 20452, Stop: 22248, Start Num: 50
Candidate Starts for Phranny_30:
(Start: 50 @20452 has 603 MA's), (Start: 71 @20509 has 1 MA's), (76, 20524), (88, 20578), (91, 20593), (107, 20680), (109, 20692), (110, 20695), (122, 20770), (125, 20785), (165, 21028), (200, 21181), (216, 21268), (230, 21361), (234, 21382), (239, 21406), (242, 21418), (244, 21424), (261, 21505), (277, 21580), (280, 21598), (282, 21607), (286, 21631), (288, 21637), (299, 21676), (313, 21730), (314, 21733), (318, 21754), (356, 21979), (374, 22084), (376, 22090), (396, 22225),

Gene: PhrostyMug_27 Start: 21160, Stop: 22962, Start Num: 52
Candidate Starts for PhrostyMug_27:
(Start: 52 @21160 has 230 MA's), (Start: 61 @21181 has 6 MA's), (Start: 71 @21223 has 1 MA's), (85, 21268), (122, 21484), (129, 21529), (132, 21538), (138, 21577), (144, 21628), (145, 21631), (187, 21826), (200, 21895), (234, 22096), (235, 22099), (239, 22120), (260, 22216), (261, 22219), (263, 22225), (277, 22294), (280, 22312), (282, 22321), (288, 22351), (314, 22447), (319, 22480), (322, 22495), (346, 22636), (356, 22693), (376, 22804),

Gene: PickleBack_24 Start: 19478, Stop: 21277, Start Num: 50
Candidate Starts for PickleBack_24:
(Start: 50 @19478 has 603 MA's), (87, 19583), (92, 19616), (110, 19715), (122, 19790), (125, 19805), (131, 19841), (141, 19913), (143, 19928), (148, 19961), (150, 19967), (169, 20060), (191, 20162),

(197, 20192), (199, 20198), (216, 20288), (220, 20318), (231, 20390), (234, 20402), (235, 20405), (244, 20444), (249, 20462), (260, 20522), (261, 20525), (273, 20576), (280, 20618), (313, 20759), (321, 20801), (376, 21119), (396, 21254),

Gene: PinkCoffee_33 Start: 26584, Stop: 28350, Start Num: 34
Candidate Starts for PinkCoffee_33:
(28, 26542), (Start: 34 @26584 has 86 MA's), (Start: 39 @26620 has 5 MA's), (Start: 53 @26653 has 7 MA's), (104, 26863), (105, 26866), (109, 26896), (119, 26962), (122, 26986), (123, 26995), (128, 27028), (156, 27181), (162, 27220), (175, 27271), (177, 27283), (181, 27301), (184, 27313), (186, 27325), (189, 27340), (194, 27370), (195, 27373), (199, 27394), (221, 27466), (227, 27514), (252, 27625), (258, 27658), (268, 27700), (282, 27772), (300, 27838), (308, 27850), (346, 28021), (347, 28024), (355, 28072), (361, 28099), (365, 28126), (374, 28180), (390, 28297), (395, 28318), (400, 28345),

Gene: PinkPlastic_26 Start: 20900, Stop: 22702, Start Num: 52
Candidate Starts for PinkPlastic_26:
(Start: 52 @20900 has 230 MA's), (Start: 61 @20921 has 6 MA's), (Start: 71 @20963 has 1 MA's), (85, 21008), (122, 21224), (129, 21269), (132, 21278), (144, 21368), (145, 21371), (162, 21464), (187, 21566), (200, 21635), (234, 21836), (235, 21839), (239, 21860), (260, 21956), (261, 21959), (263, 21965), (277, 22034), (280, 22052), (282, 22061), (288, 22091), (314, 22187), (319, 22220), (322, 22235), (346, 22376), (356, 22433), (376, 22544),

Gene: Pinto_30 Start: 21713, Stop: 23515, Start Num: 52
Candidate Starts for Pinto_30:
(Start: 52 @21713 has 230 MA's), (Start: 61 @21734 has 6 MA's), (Start: 71 @21776 has 1 MA's), (85, 21821), (122, 22037), (129, 22082), (132, 22091), (144, 22181), (145, 22184), (187, 22379), (200, 22448), (234, 22649), (235, 22652), (239, 22673), (260, 22769), (261, 22772), (263, 22778), (277, 22847), (280, 22865), (282, 22874), (288, 22904), (314, 23000), (319, 23033), (322, 23048), (346, 23189), (356, 23246), (376, 23357),

Gene: Pioneer_30 Start: 21782, Stop: 23572, Start Num: 50
Candidate Starts for Pioneer_30:
(Start: 48 @21779 has 8 MA's), (Start: 50 @21782 has 603 MA's), (109, 22016), (110, 22019), (121, 22091), (122, 22094), (125, 22109), (132, 22148), (133, 22154), (148, 22265), (165, 22352), (185, 22433), (187, 22436), (220, 22622), (230, 22685), (235, 22709), (237, 22715), (244, 22748), (261, 22829), (286, 22955), (298, 22997), (314, 23057), (319, 23090), (322, 23105), (338, 23204), (339, 23207), (341, 23219), (356, 23303), (367, 23369), (374, 23408), (376, 23414), (382, 23459), (389, 23516), (390, 23519),

Gene: Pipcraft_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Pipcraft_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Pippin_29 Start: 21464, Stop: 23266, Start Num: 52
Candidate Starts for Pippin_29:
(Start: 52 @21464 has 230 MA's), (Start: 61 @21485 has 6 MA's), (Start: 71 @21527 has 1 MA's), (85, 21572), (122, 21788), (129, 21833), (132, 21842), (138, 21881), (144, 21932), (145, 21935), (187, 22130), (200, 22199), (234, 22400), (235, 22403), (239, 22424), (260, 22520), (261, 22523), (263,

22529), (277, 22598), (280, 22616), (282, 22625), (288, 22655), (314, 22751), (319, 22784), (322, 22799), (346, 22940), (356, 22997), (376, 23108),

Gene: Piro94_29 Start: 20672, Stop: 22444, Start Num: 50
Candidate Starts for Piro94_29:
(Start: 41 @20648 has 10 MA's), (Start: 50 @20672 has 603 MA's), (91, 20807), (96, 20825), (109, 20906), (110, 20909), (121, 20981), (122, 20984), (132, 21038), (133, 21044), (141, 21107), (148, 21155), (157, 21188), (165, 21242), (185, 21323), (187, 21326), (191, 21356), (220, 21512), (235, 21599), (261, 21719), (285, 21842), (286, 21845), (288, 21851), (309, 21899), (319, 21962), (322, 21977), (323, 21983), (333, 22037), (338, 22076), (341, 22091), (348, 22124), (355, 22169), (374, 22280), (376, 22286), (383, 22340),

Gene: Pistachio_28 Start: 19451, Stop: 21247, Start Num: 50
Candidate Starts for Pistachio_28:
(Start: 50 @19451 has 603 MA's), (Start: 71 @19508 has 1 MA's), (88, 19577), (107, 19679), (109, 19691), (110, 19694), (122, 19769), (125, 19784), (132, 19823), (154, 19958), (165, 20027), (191, 20141), (216, 20267), (234, 20381), (239, 20405), (244, 20423), (261, 20504), (277, 20579), (280, 20597), (282, 20606), (286, 20630), (288, 20636), (291, 20651), (304, 20684), (313, 20729), (314, 20732), (318, 20753), (319, 20765), (321, 20771), (330, 20828), (356, 20978), (362, 21002), (374, 21083), (376, 21089), (396, 21224),

Gene: Pita2_29 Start: 21585, Stop: 23387, Start Num: 52
Candidate Starts for Pita2_29:
(Start: 52 @21585 has 230 MA's), (Start: 61 @21606 has 6 MA's), (Start: 71 @21648 has 1 MA's), (85, 21693), (122, 21909), (129, 21954), (132, 21963), (138, 22002), (144, 22053), (145, 22056), (187, 22251), (200, 22320), (234, 22521), (235, 22524), (239, 22545), (260, 22641), (261, 22644), (263, 22650), (277, 22719), (280, 22737), (282, 22746), (288, 22776), (314, 22872), (319, 22905), (322, 22920), (346, 23061), (356, 23118), (376, 23229),

Gene: Pmask_31 Start: 19970, Stop: 21742, Start Num: 50
Candidate Starts for Pmask_31:
(32, 19904), (Start: 41 @19946 has 10 MA's), (Start: 50 @19970 has 603 MA's), (103, 20168), (110, 20207), (121, 20279), (122, 20282), (126, 20300), (132, 20336), (133, 20342), (148, 20453), (150, 20459), (159, 20498), (165, 20540), (176, 20579), (185, 20621), (187, 20624), (197, 20684), (240, 20921), (244, 20936), (261, 21017), (288, 21149), (322, 21275), (331, 21326), (333, 21335), (338, 21374), (339, 21377), (341, 21389), (356, 21473), (374, 21578), (376, 21584), (396, 21719),

Gene: Pocahontas_28 Start: 20452, Stop: 22251, Start Num: 50
Candidate Starts for Pocahontas_28:
(Start: 50 @20452 has 603 MA's), (Start: 71 @20512 has 1 MA's), (88, 20581), (107, 20683), (109, 20695), (110, 20698), (122, 20773), (125, 20788), (132, 20827), (154, 20962), (165, 21031), (191, 21145), (216, 21271), (234, 21385), (239, 21409), (242, 21421), (244, 21427), (261, 21508), (277, 21583), (280, 21601), (282, 21610), (286, 21634), (288, 21640), (291, 21655), (304, 21688), (313, 21733), (314, 21736), (318, 21757), (339, 21886), (356, 21982), (374, 22087), (376, 22093), (396, 22228),

Gene: Polymorphads_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Polymorphads_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330,

21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Polyphemus_31 Start: 19968, Stop: 21740, Start Num: 50
Candidate Starts for Polyphemus_31:
(32, 19902), (Start: 41 @19944 has 10 MA's), (Start: 50 @19968 has 603 MA's), (103, 20166), (110, 20205), (121, 20277), (122, 20280), (126, 20298), (132, 20334), (133, 20340), (148, 20451), (150, 20457), (159, 20496), (165, 20538), (176, 20577), (185, 20619), (187, 20622), (197, 20682), (240, 20919), (244, 20934), (261, 21015), (288, 21147), (322, 21273), (331, 21324), (333, 21333), (338, 21372), (339, 21375), (341, 21387), (356, 21471), (374, 21576), (376, 21582), (396, 21717),

Gene: Pomar16_31 Start: 20090, Stop: 21880, Start Num: 50
Candidate Starts for Pomar16_31:
(32, 20024), (Start: 41 @20066 has 10 MA's), (Start: 50 @20090 has 603 MA's), (96, 20243), (109, 20324), (110, 20327), (121, 20399), (122, 20402), (125, 20417), (132, 20456), (133, 20462), (148, 20573), (154, 20591), (165, 20660), (185, 20741), (187, 20744), (216, 20900), (220, 20930), (261, 21137), (286, 21263), (314, 21365), (319, 21398), (322, 21413), (326, 21437), (338, 21512), (339, 21515), (341, 21527), (356, 21611), (370, 21689), (374, 21716), (376, 21722), (382, 21767), (383, 21776), (396, 21857),

Gene: Poompha_26 Start: 17888, Stop: 19666, Start Num: 50
Candidate Starts for Poompha_26:
(Start: 41 @17864 has 10 MA's), (Start: 50 @17888 has 603 MA's), (Start: 71 @17945 has 1 MA's), (76, 17960), (88, 18014), (109, 18128), (110, 18131), (122, 18206), (127, 18245), (148, 18377), (165, 18464), (183, 18539), (191, 18578), (200, 18617), (216, 18704), (224, 18749), (234, 18818), (239, 18842), (242, 18854), (244, 18860), (255, 18911), (280, 19034), (282, 19043), (286, 19067), (288, 19073), (291, 19088), (309, 19121), (318, 19172), (327, 19229), (328, 19235), (356, 19397), (374, 19502), (376, 19508), (377, 19517), (396, 19643),

Gene: Popcicle_28 Start: 20452, Stop: 22251, Start Num: 50
Candidate Starts for Popcicle_28:
(Start: 50 @20452 has 603 MA's), (Start: 71 @20512 has 1 MA's), (88, 20581), (107, 20683), (109, 20695), (110, 20698), (122, 20773), (125, 20788), (132, 20827), (154, 20962), (165, 21031), (191, 21145), (216, 21271), (234, 21385), (239, 21409), (242, 21421), (244, 21427), (261, 21508), (277, 21583), (280, 21601), (282, 21610), (286, 21634), (288, 21640), (291, 21655), (304, 21688), (313, 21733), (314, 21736), (318, 21757), (339, 21886), (356, 21982), (374, 22087), (376, 22093), (396, 22228),

Gene: Portcullis_31 Start: 25894, Stop: 27660, Start Num: 34
Candidate Starts for Portcullis_31:
(28, 25852), (Start: 34 @25894 has 86 MA's), (Start: 39 @25930 has 5 MA's), (Start: 53 @25963 has 7 MA's), (104, 26173), (105, 26176), (109, 26206), (119, 26272), (122, 26296), (123, 26305), (128, 26338), (156, 26491), (162, 26530), (175, 26581), (177, 26593), (181, 26611), (184, 26623), (186, 26635), (189, 26650), (194, 26680), (195, 26683), (199, 26704), (221, 26776), (227, 26824), (252, 26935), (258, 26968), (267, 27007), (268, 27010), (282, 27082), (300, 27148), (308, 27160), (346, 27331), (347, 27334), (355, 27382), (361, 27409), (365, 27436), (366, 27442), (374, 27490), (390, 27607), (395, 27628), (400, 27655),

Gene: PotatoSplit_30 Start: 20379, Stop: 22175, Start Num: 50
Candidate Starts for PotatoSplit_30:
(Start: 50 @20379 has 603 MA's), (Start: 71 @20436 has 1 MA's), (76, 20451), (86, 20484), (88, 20505), (91, 20520), (107, 20607), (109, 20619), (110, 20622), (122, 20697), (125, 20712), (131, 20748), (165, 20955), (191, 21069), (200, 21108), (216, 21195), (234, 21309), (239, 21333), (244, 21351), (261, 21432), (277, 21507), (280, 21525), (286, 21558), (288, 21564), (299, 21603), (313,

21657), (314, 21660), (318, 21681), (327, 21738), (356, 21906), (374, 22011), (376, 22017), (396, 22152),

Gene: Poushou_19 Start: 17425, Stop: 19089, Start Num: 52
Candidate Starts for Poushou_19:
(Start: 52 @17425 has 230 MA's), (Start: 64 @17458 has 32 MA's), (118, 17716), (129, 17794), (147, 17917), (150, 17926), (151, 17929), (154, 17938), (156, 17947), (187, 18088), (189, 18100), (199, 18154), (229, 18289), (238, 18322), (241, 18340), (244, 18352), (249, 18367), (260, 18427), (266, 18448), (267, 18457), (280, 18523), (286, 18556), (309, 18586), (310, 18592), (311, 18595), (322, 18664), (345, 18763), (348, 18772), (375, 18928), (377, 18940),

Gene: Power_28 Start: 20118, Stop: 21890, Start Num: 50
Candidate Starts for Power_28:
(32, 20052), (Start: 41 @20094 has 10 MA's), (Start: 50 @20118 has 603 MA's), (86, 20217), (100, 20301), (109, 20352), (110, 20355), (121, 20427), (122, 20430), (132, 20484), (138, 20523), (143, 20568), (148, 20601), (165, 20688), (185, 20769), (187, 20772), (235, 21045), (261, 21165), (286, 21291), (309, 21345), (319, 21408), (322, 21423), (323, 21429), (333, 21483), (338, 21522), (341, 21537), (356, 21621), (376, 21732), (396, 21867),

Gene: PowerRanger_28 Start: 22638, Stop: 24419, Start Num: 61
Candidate Starts for PowerRanger_28:
(Start: 52 @22617 has 230 MA's), (Start: 61 @22638 has 6 MA's), (Start: 71 @22680 has 1 MA's), (85, 22725), (122, 22941), (129, 22986), (132, 22995), (138, 23034), (144, 23085), (145, 23088), (187, 23283), (200, 23352), (234, 23553), (235, 23556), (239, 23577), (260, 23673), (261, 23676), (263, 23682), (277, 23751), (280, 23769), (282, 23778), (288, 23808), (314, 23904), (319, 23937), (322, 23952), (346, 24093), (356, 24150), (376, 24261),

Gene: Priamo_31 Start: 20019, Stop: 21791, Start Num: 50
Candidate Starts for Priamo_31:
(32, 19953), (Start: 41 @19995 has 10 MA's), (Start: 50 @20019 has 603 MA's), (92, 20157), (103, 20217), (109, 20253), (110, 20256), (121, 20328), (122, 20331), (132, 20385), (133, 20391), (139, 20442), (148, 20502), (150, 20508), (159, 20547), (165, 20589), (176, 20628), (185, 20670), (187, 20673), (197, 20733), (240, 20970), (244, 20985), (261, 21066), (279, 21153), (288, 21198), (322, 21324), (333, 21384), (338, 21423), (339, 21426), (341, 21438), (356, 21522), (374, 21627), (376, 21633), (396, 21768),

Gene: Prinashe11_24 Start: 19626, Stop: 21422, Start Num: 50
Candidate Starts for Prinashe11_24:
(Start: 50 @19626 has 603 MA's), (87, 19731), (92, 19764), (110, 19863), (122, 19938), (125, 19953), (131, 19989), (141, 20061), (143, 20076), (150, 20115), (157, 20142), (161, 20163), (167, 20202), (197, 20340), (199, 20346), (224, 20481), (231, 20538), (232, 20541), (234, 20550), (244, 20592), (249, 20610), (260, 20670), (261, 20673), (280, 20766), (282, 20775), (286, 20799), (313, 20907), (319, 20943), (356, 21153), (373, 21255), (376, 21264), (392, 21378), (396, 21399), (398, 21408),

Gene: Priya_30 Start: 21780, Stop: 23570, Start Num: 50
Candidate Starts for Priya_30:
(Start: 48 @21777 has 8 MA's), (Start: 50 @21780 has 603 MA's), (109, 22014), (110, 22017), (121, 22089), (122, 22092), (125, 22107), (132, 22146), (133, 22152), (148, 22263), (165, 22350), (185, 22431), (187, 22434), (197, 22494), (220, 22620), (230, 22683), (235, 22707), (237, 22713), (244, 22746), (261, 22827), (286, 22953), (298, 22995), (299, 22998), (314, 23055), (319, 23088), (322, 23103), (338, 23202), (339, 23205), (341, 23217), (356, 23301), (367, 23367), (374, 23406), (376, 23412), (382, 23457), (389, 23514), (390, 23517),

Gene: ProMouse_28 Start: 21605, Stop: 23407, Start Num: 52
Candidate Starts for ProMouse_28:
(Start: 52 @21605 has 230 MA's), (Start: 61 @21626 has 6 MA's), (Start: 71 @21668 has 1 MA's), (85, 21713), (122, 21929), (129, 21974), (144, 22073), (145, 22076), (162, 22169), (187, 22271), (200, 22340), (231, 22529), (234, 22541), (235, 22544), (239, 22565), (260, 22661), (261, 22664), (263, 22670), (277, 22739), (280, 22757), (282, 22766), (288, 22796), (314, 22892), (319, 22925), (322, 22940), (346, 23081), (356, 23138), (376, 23249), (400, 23402),

Gene: Prudy_31 Start: 21974, Stop: 23746, Start Num: 50
Candidate Starts for Prudy_31:
(Start: 41 @21950 has 10 MA's), (Start: 50 @21974 has 603 MA's), (100, 22157), (109, 22208), (110, 22211), (121, 22283), (122, 22286), (132, 22340), (138, 22379), (148, 22457), (165, 22544), (185, 22625), (187, 22628), (220, 22814), (234, 22898), (235, 22901), (244, 22940), (257, 23006), (261, 23021), (286, 23147), (309, 23201), (318, 23252), (319, 23264), (322, 23279), (323, 23285), (333, 23339), (341, 23393), (356, 23477), (367, 23543), (374, 23582), (376, 23588),

Gene: Pukovnik_30 Start: 21690, Stop: 23462, Start Num: 50
Candidate Starts for Pukovnik_30:
(Start: 41 @21666 has 10 MA's), (Start: 50 @21690 has 603 MA's), (91, 21825), (96, 21843), (109, 21924), (110, 21927), (121, 21999), (122, 22002), (133, 22062), (148, 22173), (165, 22260), (185, 22341), (187, 22344), (209, 22470), (216, 22500), (257, 22722), (261, 22737), (286, 22863), (288, 22869), (309, 22917), (319, 22980), (322, 22995), (323, 23001), (326, 23019), (333, 23055), (338, 23094), (341, 23109), (356, 23193), (370, 23271), (374, 23298), (376, 23304), (382, 23349),

Gene: PullumCavea_31 Start: 25945, Stop: 27711, Start Num: 34
Candidate Starts for PullumCavea_31:
(28, 25903), (Start: 34 @25945 has 86 MA's), (Start: 39 @25981 has 5 MA's), (Start: 53 @26014 has 7 MA's), (104, 26224), (105, 26227), (109, 26257), (119, 26323), (122, 26347), (123, 26356), (128, 26389), (156, 26542), (162, 26581), (175, 26632), (177, 26644), (181, 26662), (184, 26674), (186, 26686), (189, 26701), (194, 26731), (195, 26734), (199, 26755), (221, 26827), (227, 26875), (252, 26986), (258, 27019), (267, 27058), (268, 27061), (282, 27133), (300, 27199), (308, 27211), (346, 27382), (347, 27385), (355, 27433), (361, 27460), (365, 27487), (374, 27541), (390, 27658), (395, 27679), (400, 27706),

Gene: Pumbaa_27 Start: 19802, Stop: 21580, Start Num: 50
Candidate Starts for Pumbaa_27:
(Start: 41 @19778 has 10 MA's), (Start: 50 @19802 has 603 MA's), (66, 19844), (Start: 71 @19859 has 1 MA's), (87, 19913), (88, 19928), (92, 19946), (107, 20030), (109, 20042), (110, 20045), (122, 20120), (125, 20135), (132, 20174), (148, 20291), (165, 20378), (185, 20459), (195, 20507), (200, 20531), (216, 20618), (224, 20663), (235, 20735), (239, 20756), (244, 20774), (261, 20855), (280, 20948), (282, 20957), (286, 20981), (288, 20987), (295, 21011), (314, 21065), (318, 21086), (326, 21137), (330, 21161), (339, 21215), (356, 21311), (374, 21416), (377, 21431), (393, 21539), (396, 21557),

Gene: Puppet_27 Start: 21164, Stop: 22966, Start Num: 52
Candidate Starts for Puppet_27:
(Start: 52 @21164 has 230 MA's), (Start: 61 @21185 has 6 MA's), (Start: 71 @21227 has 1 MA's), (85, 21272), (122, 21488), (129, 21533), (132, 21542), (138, 21581), (144, 21632), (145, 21635), (187, 21830), (200, 21899), (234, 22100), (235, 22103), (239, 22124), (260, 22220), (261, 22223), (263, 22229), (277, 22298), (280, 22316), (282, 22325), (288, 22355), (314, 22451), (319, 22484), (322, 22499), (346, 22640), (356, 22697), (376, 22808),

Gene: Puppy_28 Start: 19523, Stop: 21319, Start Num: 50

Candidate Starts for Puppy_28:
(Start: 50 @19523 has 603 MA's), (Start: 71 @19580 has 1 MA's), (88, 19649), (107, 19751), (109, 19763), (110, 19766), (122, 19841), (125, 19856), (132, 19895), (154, 20030), (165, 20099), (191, 20213), (216, 20339), (239, 20477), (244, 20495), (261, 20576), (277, 20651), (280, 20669), (282, 20678), (286, 20702), (288, 20708), (291, 20723), (304, 20756), (313, 20801), (314, 20804), (318, 20825), (319, 20837), (330, 20900), (356, 21050), (374, 21155), (376, 21161), (396, 21296),

Gene: PurpleHaze_29 Start: 20459, Stop: 22255, Start Num: 50
Candidate Starts for PurpleHaze_29:
(Start: 50 @20459 has 603 MA's), (Start: 71 @20516 has 1 MA's), (76, 20531), (88, 20585), (91, 20600), (107, 20687), (109, 20699), (110, 20702), (122, 20777), (125, 20792), (165, 21035), (200, 21188), (216, 21275), (230, 21368), (234, 21389), (239, 21413), (242, 21425), (244, 21431), (261, 21512), (277, 21587), (280, 21605), (282, 21614), (286, 21638), (288, 21644), (291, 21659), (299, 21683), (313, 21737), (314, 21740), (318, 21761), (374, 22091), (376, 22097), (396, 22232),

Gene: QTRlifeCrisis_27 Start: 21720, Stop: 23522, Start Num: 52
Candidate Starts for QTRlifeCrisis_27:
(Start: 52 @21720 has 230 MA's), (Start: 61 @21741 has 6 MA's), (Start: 71 @21783 has 1 MA's), (85, 21828), (122, 22044), (129, 22089), (132, 22098), (138, 22137), (144, 22188), (145, 22191), (187, 22386), (200, 22455), (234, 22656), (235, 22659), (239, 22680), (260, 22776), (261, 22779), (263, 22785), (277, 22854), (280, 22872), (282, 22881), (288, 22911), (314, 23007), (319, 23040), (322, 23055), (346, 23196), (356, 23253), (376, 23364),

Gene: Qobbit_30 Start: 21776, Stop: 23569, Start Num: 48
Candidate Starts for Qobbit_30:
(Start: 48 @21776 has 8 MA's), (Start: 50 @21779 has 603 MA's), (109, 22013), (110, 22016), (121, 22088), (122, 22091), (125, 22106), (132, 22145), (133, 22151), (148, 22262), (165, 22349), (185, 22430), (187, 22433), (220, 22619), (230, 22682), (235, 22706), (237, 22712), (244, 22745), (261, 22826), (286, 22952), (298, 22994), (314, 23054), (319, 23087), (322, 23102), (338, 23201), (339, 23204), (341, 23216), (356, 23300), (367, 23366), (374, 23405), (376, 23411), (382, 23456), (389, 23513), (390, 23516),

Gene: QueenB2_28 Start: 20236, Stop: 22008, Start Num: 50
Candidate Starts for QueenB2_28:
(32, 20170), (Start: 41 @20212 has 10 MA's), (Start: 50 @20236 has 603 MA's), (109, 20470), (110, 20473), (121, 20545), (122, 20548), (132, 20602), (138, 20641), (143, 20686), (148, 20719), (165, 20806), (185, 20887), (187, 20890), (235, 21163), (261, 21283), (286, 21409), (309, 21463), (311, 21472), (314, 21493), (319, 21526), (322, 21541), (323, 21547), (333, 21601), (338, 21640), (341, 21655), (356, 21739), (376, 21850),

Gene: QueenBeesly_28 Start: 20118, Stop: 21890, Start Num: 50
Candidate Starts for QueenBeesly_28:
(32, 20052), (Start: 41 @20094 has 10 MA's), (Start: 50 @20118 has 603 MA's), (86, 20217), (100, 20301), (109, 20352), (110, 20355), (121, 20427), (122, 20430), (132, 20484), (138, 20523), (143, 20568), (148, 20601), (165, 20688), (185, 20769), (187, 20772), (235, 21045), (261, 21165), (286, 21291), (309, 21345), (319, 21408), (322, 21423), (323, 21429), (333, 21483), (338, 21522), (341, 21537), (343, 21552), (356, 21621), (376, 21732), (396, 21867),

Gene: QuinnKiro_27 Start: 20455, Stop: 22254, Start Num: 50
Candidate Starts for QuinnKiro_27:
(Start: 50 @20455 has 603 MA's), (Start: 71 @20515 has 1 MA's), (88, 20584), (107, 20686), (109, 20698), (110, 20701), (122, 20776), (125, 20791), (132, 20830), (154, 20965), (165, 21034), (191, 21148), (216, 21274), (234, 21388), (239, 21412), (242, 21424), (244, 21430), (261, 21511), (277,

21586), (280, 21604), (282, 21613), (286, 21637), (288, 21643), (291, 21658), (304, 21691), (313, 21736), (314, 21739), (318, 21760), (339, 21889), (356, 21985), (374, 22090), (376, 22096), (396, 22231),

Gene: Quokka_26 Start: 19074, Stop: 20864, Start Num: 50
Candidate Starts for Quokka_26:
(32, 19008), (Start: 41 @19050 has 10 MA's), (Start: 50 @19074 has 603 MA's), (92, 19212), (96, 19227), (109, 19308), (110, 19311), (121, 19383), (122, 19386), (132, 19440), (133, 19446), (135, 19464), (143, 19524), (148, 19557), (150, 19563), (159, 19602), (165, 19644), (185, 19725), (187, 19728), (197, 19788), (220, 19914), (234, 19998), (244, 20040), (255, 20091), (261, 20121), (286, 20247), (307, 20310), (319, 20382), (322, 20397), (326, 20421), (338, 20496), (341, 20511), (356, 20595), (374, 20700), (376, 20706), (379, 20724), (382, 20751), (383, 20760),

Gene: REQ3_50 Start: 32274, Stop: 33917, Start Num: 56
Candidate Starts for REQ3_50:
(Start: 48 @32259 has 8 MA's), (Start: 56 @32274 has 7 MA's), (Start: 60 @32283 has 3 MA's), (102, 32466), (105, 32475), (113, 32538), (118, 32550), (122, 32583), (130, 32625), (132, 32631), (139, 32691), (143, 32718), (144, 32724), (154, 32769), (161, 32805), (164, 32835), (171, 32853), (182, 32904), (189, 32928), (197, 32976), (221, 33054), (250, 33195), (254, 33222), (258, 33243), (260, 33252), (280, 33348), (281, 33354), (288, 33387), (308, 33408), (335, 33522), (348, 33597), (392, 33873), (395, 33885), (398, 33903), (399, 33909),

Gene: RER2_16 Start: 13221, Stop: 14846, Start Num: 64
Candidate Starts for RER2_16:
(Start: 60 @13206 has 3 MA's), (Start: 64 @13221 has 32 MA's), (83, 13290), (90, 13326), (103, 13398), (122, 13512), (142, 13641), (148, 13683), (154, 13701), (156, 13710), (Start: 160 @13734 has 1 MA's), (162, 13752), (169, 13776), (171, 13782), (174, 13797), (175, 13800), (187, 13848), (230, 14049), (235, 14073), (260, 14187), (277, 14265), (283, 14304), (286, 14316), (309, 14346), (322, 14424), (354, 14571), (372, 14670), (374, 14685), (399, 14838),

Gene: RGL3_16 Start: 13452, Stop: 15005, Start Num: 83
Candidate Starts for RGL3_16:
(46, 13356), (Start: 60 @13368 has 3 MA's), (Start: 64 @13383 has 32 MA's), (83, 13452), (90, 13488), (98, 13521), (103, 13560), (113, 13629), (122, 13674), (125, 13689), (142, 13803), (143, 13812), (157, 13878), (Start: 160 @13896 has 1 MA's), (162, 13914), (171, 13944), (174, 13959), (175, 13962), (183, 14001), (187, 14010), (191, 14040), (224, 14160), (235, 14232), (244, 14271), (255, 14319), (260, 14346), (283, 14463), (286, 14475), (309, 14505), (322, 14583), (354, 14730), (366, 14796), (372, 14829), (374, 14844), (399, 14997),

Gene: Rachaly_31 Start: 21834, Stop: 23606, Start Num: 50
Candidate Starts for Rachaly_31:
(Start: 41 @21810 has 10 MA's), (Start: 50 @21834 has 603 MA's), (100, 22017), (109, 22068), (110, 22071), (121, 22143), (122, 22146), (132, 22200), (138, 22239), (148, 22317), (165, 22404), (185, 22485), (187, 22488), (194, 22530), (220, 22674), (230, 22737), (235, 22761), (244, 22800), (261, 22881), (288, 23013), (319, 23124), (322, 23139), (323, 23145), (328, 23175), (333, 23199), (338, 23238), (341, 23253), (348, 23286), (356, 23337), (370, 23415), (374, 23442), (376, 23448), (383, 23502),

Gene: Rahalelujah_27 Start: 19606, Stop: 21396, Start Num: 50
Candidate Starts for Rahalelujah_27:
(32, 19540), (42, 19591), (Start: 50 @19606 has 603 MA's), (85, 19702), (86, 19705), (104, 19807), (109, 19840), (110, 19843), (121, 19915), (122, 19918), (132, 19972), (133, 19978), (144, 20062), (148, 20089), (150, 20095), (152, 20101), (165, 20176), (185, 20257), (187, 20260), (197, 20320),

(220, 20446), (230, 20509), (235, 20533), (242, 20566), (244, 20572), (261, 20653), (299, 20824), (314, 20881), (319, 20914), (322, 20929), (326, 20953), (333, 20989), (338, 21028), (341, 21043), (356, 21127), (367, 21193), (374, 21232), (376, 21238), (382, 21283),

Gene: Raid_27 Start: 21169, Stop: 22971, Start Num: 52
Candidate Starts for Raid_27:
(Start: 52 @21169 has 230 MA's), (Start: 61 @21190 has 6 MA's), (Start: 71 @21232 has 1 MA's), (85, 21277), (122, 21493), (129, 21538), (132, 21547), (138, 21586), (144, 21637), (145, 21640), (187, 21835), (200, 21904), (234, 22105), (235, 22108), (239, 22129), (260, 22225), (261, 22228), (263, 22234), (277, 22303), (280, 22321), (282, 22330), (288, 22360), (314, 22456), (319, 22489), (322, 22504), (346, 22645), (356, 22702), (376, 22813),

Gene: Rajelicia_27 Start: 20881, Stop: 22683, Start Num: 52
Candidate Starts for Rajelicia_27:
(Start: 52 @20881 has 230 MA's), (Start: 61 @20902 has 6 MA's), (Start: 71 @20944 has 1 MA's), (85, 20989), (122, 21205), (129, 21250), (132, 21259), (144, 21349), (145, 21352), (162, 21445), (187, 21547), (200, 21616), (231, 21805), (234, 21817), (235, 21820), (239, 21841), (260, 21937), (261, 21940), (263, 21946), (277, 22015), (280, 22033), (282, 22042), (288, 22072), (314, 22168), (319, 22201), (322, 22216), (346, 22357), (356, 22414), (376, 22525),

Gene: RanchParmCat_21 Start: 15469, Stop: 17157, Start Num: 49
Candidate Starts for RanchParmCat_21:
(17, 15154), (37, 15439), (Start: 43 @15466 has 2 MA's), (Start: 49 @15469 has 37 MA's), (79, 15553), (104, 15676), (109, 15709), (116, 15754), (139, 15910), (143, 15937), (147, 15967), (162, 16039), (171, 16069), (172, 16081), (179, 16108), (191, 16174), (206, 16255), (222, 16297), (224, 16306), (226, 16324), (233, 16369), (253, 16453), (259, 16489), (260, 16492), (261, 16495), (263, 16501), (265, 16510), (269, 16528), (280, 16585), (320, 16714), (322, 16726), (325, 16741), (332, 16753), (345, 16825), (346, 16828), (347, 16831), (351, 16846), (364, 16927), (376, 16996), (377, 17005), (396, 17134), (399, 17149),

Gene: Rasputin_23 Start: 16317, Stop: 17942, Start Num: 64
Candidate Starts for Rasputin_23:
(Start: 60 @16302 has 3 MA's), (Start: 64 @16317 has 32 MA's), (83, 16386), (90, 16422), (122, 16608), (142, 16737), (148, 16779), (156, 16806), (Start: 160 @16830 has 1 MA's), (162, 16848), (171, 16878), (174, 16893), (187, 16944), (203, 17028), (230, 17145), (235, 17169), (260, 17283), (271, 17331), (277, 17361), (283, 17400), (286, 17412), (309, 17442), (322, 17520), (354, 17667), (359, 17691), (365, 17727), (372, 17766), (399, 17934),

Gene: Ravana_30 Start: 19057, Stop: 20844, Start Num: 50
Candidate Starts for Ravana_30:
(32, 18991), (Start: 41 @19033 has 10 MA's), (Start: 50 @19057 has 603 MA's), (92, 19195), (102, 19252), (110, 19294), (117, 19330), (122, 19369), (134, 19438), (138, 19462), (145, 19516), (176, 19666), (187, 19711), (191, 19741), (199, 19777), (207, 19828), (215, 19864), (224, 19912), (232, 19972), (260, 20101), (277, 20179), (322, 20380), (323, 20386), (339, 20482), (368, 20647), (384, 20746),

Gene: RayTheFireFly_19 Start: 17529, Stop: 19223, Start Num: 51
Candidate Starts for RayTheFireFly_19:
(Start: 39 @17499 has 5 MA's), (Start: 51 @17529 has 6 MA's), (86, 17631), (94, 17682), (105, 17739), (112, 17790), (123, 17868), (125, 17874), (147, 18024), (175, 18147), (188, 18207), (193, 18243), (202, 18285), (218, 18327), (221, 18351), (226, 18381), (280, 18642), (300, 18717), (315, 18759), (323, 18804), (346, 18900), (347, 18903), (351, 18918), (378, 19077), (379, 19083), (390, 19170), (399, 19215),

Gene: ReMo_30 Start: 19093, Stop: 20880, Start Num: 50
Candidate Starts for ReMo_30:
(32, 19027), (Start: 41 @19069 has 10 MA's), (Start: 50 @19093 has 603 MA's), (92, 19231), (102, 19288), (110, 19330), (117, 19366), (122, 19405), (134, 19474), (138, 19498), (145, 19552), (176, 19702), (187, 19747), (191, 19777), (199, 19813), (207, 19864), (215, 19900), (224, 19948), (232, 20008), (260, 20137), (277, 20215), (322, 20416), (323, 20422), (339, 20518), (368, 20683), (384, 20782),

Gene: Reba_30 Start: 20125, Stop: 21921, Start Num: 50
Candidate Starts for Reba_30:
(Start: 50 @20125 has 603 MA's), (Start: 71 @20182 has 1 MA's), (76, 20197), (88, 20251), (91, 20266), (107, 20353), (109, 20365), (110, 20368), (122, 20443), (125, 20458), (165, 20701), (200, 20854), (216, 20941), (230, 21034), (234, 21055), (239, 21079), (242, 21091), (244, 21097), (261, 21178), (277, 21253), (280, 21271), (282, 21280), (286, 21304), (288, 21310), (299, 21349), (313, 21403), (314, 21406), (318, 21427), (356, 21652), (374, 21757), (376, 21763), (396, 21898),

Gene: Rebeuca_28 Start: 19987, Stop: 21765, Start Num: 50
Candidate Starts for Rebeuca_28:
(Start: 50 @19987 has 603 MA's), (Start: 71 @20044 has 1 MA's), (76, 20059), (86, 20092), (88, 20113), (107, 20215), (109, 20227), (110, 20230), (122, 20305), (125, 20320), (132, 20359), (148, 20476), (152, 20488), (154, 20494), (165, 20563), (178, 20617), (183, 20638), (191, 20677), (200, 20716), (216, 20803), (224, 20848), (230, 20896), (234, 20917), (239, 20941), (242, 20953), (244, 20959), (261, 21040), (280, 21133), (282, 21142), (286, 21166), (288, 21172), (291, 21187), (309, 21220), (318, 21271), (321, 21289), (346, 21439), (356, 21496), (362, 21520), (363, 21526), (374, 21601), (376, 21607), (377, 21616), (384, 21667), (396, 21742),

Gene: RedRock_31 Start: 22100, Stop: 23872, Start Num: 50
Candidate Starts for RedRock_31:
(Start: 41 @22076 has 10 MA's), (Start: 50 @22100 has 603 MA's), (100, 22283), (110, 22337), (121, 22409), (122, 22412), (132, 22466), (133, 22472), (138, 22505), (148, 22583), (150, 22589), (154, 22601), (165, 22670), (183, 22745), (185, 22751), (187, 22754), (194, 22796), (221, 22943), (234, 23024), (235, 23027), (244, 23066), (257, 23132), (261, 23147), (288, 23279), (309, 23327), (318, 23378), (319, 23390), (322, 23405), (323, 23411), (333, 23465), (341, 23519), (356, 23603), (367, 23669), (374, 23708), (376, 23714),

Gene: Refuge_31 Start: 23112, Stop: 24884, Start Num: 50
Candidate Starts for Refuge_31:
(32, 23046), (Start: 41 @23088 has 10 MA's), (42, 23097), (Start: 50 @23112 has 603 MA's), (96, 23265), (109, 23346), (110, 23349), (121, 23421), (122, 23424), (132, 23478), (133, 23484), (148, 23595), (165, 23682), (185, 23763), (187, 23766), (244, 24078), (261, 24159), (265, 24174), (315, 24378), (319, 24402), (322, 24417), (323, 24423), (326, 24441), (327, 24447), (338, 24516), (341, 24531), (348, 24564), (356, 24615), (396, 24861),

Gene: Relief_27 Start: 19825, Stop: 21603, Start Num: 50
Candidate Starts for Relief_27:
(Start: 41 @19801 has 10 MA's), (Start: 50 @19825 has 603 MA's), (Start: 71 @19882 has 1 MA's), (87, 19936), (88, 19951), (92, 19969), (107, 20053), (109, 20065), (110, 20068), (122, 20143), (125, 20158), (132, 20197), (148, 20314), (165, 20401), (185, 20482), (195, 20530), (200, 20554), (216, 20641), (224, 20686), (235, 20758), (239, 20779), (244, 20797), (261, 20878), (280, 20971), (282, 20980), (286, 21004), (288, 21010), (295, 21034), (314, 21088), (318, 21109), (326, 21160), (330, 21184), (339, 21238), (356, 21334), (374, 21439), (377, 21454), (393, 21562), (396, 21580),

Gene: Remus_30 Start: 19057, Stop: 20844, Start Num: 50
Candidate Starts for Remus_30:
(32, 18991), (Start: 41 @19033 has 10 MA's), (Start: 50 @19057 has 603 MA's), (92, 19195), (102, 19252), (110, 19294), (117, 19330), (122, 19369), (134, 19438), (138, 19462), (145, 19516), (176, 19666), (187, 19711), (191, 19741), (199, 19777), (207, 19828), (215, 19864), (224, 19912), (232, 19972), (260, 20101), (277, 20179), (322, 20380), (323, 20386), (339, 20482), (368, 20647), (384, 20746),

Gene: ResDef_28 Start: 20455, Stop: 22254, Start Num: 50
Candidate Starts for ResDef_28:
(Start: 50 @20455 has 603 MA's), (Start: 71 @20515 has 1 MA's), (88, 20584), (107, 20686), (109, 20698), (110, 20701), (122, 20776), (125, 20791), (132, 20830), (154, 20965), (165, 21034), (191, 21148), (216, 21274), (234, 21388), (239, 21412), (242, 21424), (244, 21430), (261, 21511), (277, 21586), (280, 21604), (282, 21613), (286, 21637), (288, 21643), (291, 21658), (304, 21691), (313, 21736), (314, 21739), (318, 21760), (339, 21889), (356, 21985), (374, 22090), (376, 22096), (396, 22231),

Gene: Retro23_28 Start: 20266, Stop: 22038, Start Num: 50
Candidate Starts for Retro23_28:
(Start: 41 @20242 has 10 MA's), (Start: 50 @20266 has 603 MA's), (109, 20500), (110, 20503), (121, 20575), (122, 20578), (132, 20632), (138, 20671), (143, 20716), (148, 20749), (165, 20836), (185, 20917), (187, 20920), (235, 21193), (261, 21313), (286, 21439), (309, 21493), (319, 21556), (322, 21571), (323, 21577), (333, 21631), (338, 21670), (341, 21685), (356, 21769), (376, 21880), (396, 22015),

Gene: RexFury_23 Start: 16380, Stop: 18005, Start Num: 64
Candidate Starts for RexFury_23:
(Start: 60 @16365 has 3 MA's), (Start: 64 @16380 has 32 MA's), (83, 16449), (90, 16485), (103, 16557), (122, 16671), (142, 16800), (148, 16842), (154, 16860), (156, 16869), (Start: 160 @16893 has 1 MA's), (162, 16911), (169, 16935), (171, 16941), (174, 16956), (175, 16959), (187, 17007), (230, 17208), (235, 17232), (260, 17346), (277, 17424), (283, 17463), (286, 17475), (309, 17505), (322, 17583), (354, 17730), (372, 17829), (374, 17844), (399, 17997),

Gene: Rhodalysa_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Rhodalysa_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: RhynO_28 Start: 19944, Stop: 21722, Start Num: 50
Candidate Starts for RhynO_28:
(Start: 50 @19944 has 603 MA's), (Start: 71 @20001 has 1 MA's), (76, 20016), (86, 20049), (88, 20070), (107, 20172), (109, 20184), (110, 20187), (122, 20262), (125, 20277), (132, 20316), (148, 20433), (154, 20451), (165, 20520), (178, 20574), (183, 20595), (191, 20634), (200, 20673), (216, 20760), (224, 20805), (230, 20853), (234, 20874), (239, 20898), (242, 20910), (244, 20916), (261, 20997), (280, 21090), (282, 21099), (286, 21123), (288, 21129), (291, 21144), (309, 21177), (318, 21228), (321, 21246), (328, 21291), (346, 21396), (356, 21453), (362, 21477), (363, 21483), (374, 21558), (376, 21564), (377, 21573), (384, 21624), (396, 21699),

Gene: Rhynn_27 Start: 21169, Stop: 22971, Start Num: 52
Candidate Starts for Rhynn_27:

(Start: 52 @21169 has 230 MA's), (Start: 61 @21190 has 6 MA's), (Start: 71 @21232 has 1 MA's), (85, 21277), (122, 21493), (129, 21538), (132, 21547), (138, 21586), (144, 21637), (145, 21640), (187, 21835), (200, 21904), (234, 22105), (235, 22108), (239, 22129), (260, 22225), (261, 22228), (263, 22234), (277, 22303), (280, 22321), (282, 22330), (288, 22360), (314, 22456), (319, 22489), (322, 22504), (346, 22645), (356, 22702), (376, 22813),

Gene: Ribeye_35 Start: 30796, Stop: 32559, Start Num: 34
Candidate Starts for Ribeye_35:
(Start: 34 @30796 has 86 MA's), (Start: 39 @30832 has 5 MA's), (83, 30961), (86, 30970), (102, 31066), (105, 31075), (114, 31144), (122, 31195), (129, 31240), (133, 31255), (135, 31273), (144, 31336), (154, 31381), (156, 31390), (181, 31510), (185, 31525), (189, 31549), (194, 31579), (244, 31801), (248, 31819), (252, 31834), (260, 31876), (267, 31906), (294, 32026), (321, 32119), (346, 32230), (347, 32233), (355, 32281), (361, 32308), (365, 32335), (374, 32389),

Gene: RidgeCB_27 Start: 20944, Stop: 22746, Start Num: 52
Candidate Starts for RidgeCB_27:
(Start: 52 @20944 has 230 MA's), (Start: 61 @20965 has 6 MA's), (Start: 71 @21007 has 1 MA's), (85, 21052), (122, 21268), (129, 21313), (132, 21322), (138, 21361), (144, 21412), (145, 21415), (187, 21610), (200, 21679), (234, 21880), (235, 21883), (239, 21904), (260, 22000), (261, 22003), (263, 22009), (277, 22078), (280, 22096), (282, 22105), (288, 22135), (314, 22231), (319, 22264), (322, 22279), (346, 22420), (356, 22477), (376, 22588), (400, 22741),

Gene: Rifter_31 Start: 19962, Stop: 21734, Start Num: 50
Candidate Starts for Rifter_31:
(32, 19896), (Start: 41 @19938 has 10 MA's), (Start: 50 @19962 has 603 MA's), (110, 20199), (121, 20271), (122, 20274), (125, 20289), (132, 20328), (133, 20334), (148, 20445), (150, 20451), (159, 20490), (165, 20532), (176, 20571), (185, 20613), (187, 20616), (216, 20772), (240, 20913), (244, 20928), (288, 21141), (318, 21240), (322, 21267), (331, 21318), (333, 21327), (338, 21366), (341, 21381), (374, 21570), (376, 21576), (396, 21711),

Gene: Ringer_27 Start: 21821, Stop: 23623, Start Num: 52
Candidate Starts for Ringer_27:
(Start: 52 @21821 has 230 MA's), (Start: 61 @21842 has 6 MA's), (Start: 71 @21884 has 1 MA's), (85, 21929), (122, 22145), (129, 22190), (132, 22199), (138, 22238), (144, 22289), (145, 22292), (187, 22487), (200, 22556), (234, 22757), (235, 22760), (239, 22781), (260, 22877), (261, 22880), (263, 22886), (277, 22955), (280, 22973), (282, 22982), (288, 23012), (314, 23108), (319, 23141), (322, 23156), (346, 23297), (356, 23354), (376, 23465), (400, 23618),

Gene: RiverRaider_35 Start: 29083, Stop: 30846, Start Num: 34
Candidate Starts for RiverRaider_35:
(31, 29065), (Start: 34 @29083 has 86 MA's), (Start: 39 @29119 has 5 MA's), (83, 29248), (86, 29257), (102, 29353), (105, 29362), (114, 29431), (116, 29437), (122, 29482), (123, 29491), (129, 29527), (144, 29623), (154, 29668), (156, 29677), (181, 29797), (185, 29812), (186, 29821), (189, 29836), (194, 29866), (229, 30022), (248, 30106), (252, 30121), (257, 30151), (258, 30154), (261, 30166), (316, 30379), (321, 30406), (346, 30517), (347, 30520), (361, 30595), (365, 30622), (374, 30676), (396, 30823),

Gene: Roary_24 Start: 18619, Stop: 20409, Start Num: 50
Candidate Starts for Roary_24:
(Start: 41 @18595 has 10 MA's), (Start: 50 @18619 has 603 MA's), (84, 18712), (92, 18757), (110, 18856), (117, 18892), (122, 18931), (125, 18946), (131, 18982), (148, 19102), (150, 19108), (176, 19228), (203, 19357), (216, 19429), (234, 19543), (280, 19759), (286, 19792), (314, 19894), (319, 19927), (322, 19942), (327, 19972), (373, 20242), (376, 20251), (377, 20260), (394, 20374),

Gene: RockieBear_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for RockieBear_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Rocksand_27 Start: 19823, Stop: 21601, Start Num: 50
Candidate Starts for Rocksand_27:
(Start: 41 @19799 has 10 MA's), (Start: 50 @19823 has 603 MA's), (Start: 71 @19880 has 1 MA's), (87, 19934), (88, 19949), (92, 19967), (107, 20051), (109, 20063), (110, 20066), (122, 20141), (125, 20156), (132, 20195), (148, 20312), (165, 20399), (185, 20480), (195, 20528), (200, 20552), (216, 20639), (224, 20684), (235, 20756), (239, 20777), (244, 20795), (261, 20876), (280, 20969), (282, 20978), (286, 21002), (288, 21008), (295, 21032), (314, 21086), (318, 21107), (326, 21158), (330, 21182), (339, 21236), (356, 21332), (374, 21437), (377, 21452), (393, 21560), (396, 21578),

Gene: Rockstar_27 Start: 19834, Stop: 21633, Start Num: 50
Candidate Starts for Rockstar_27:
(Start: 50 @19834 has 603 MA's), (Start: 71 @19894 has 1 MA's), (88, 19963), (107, 20065), (109, 20077), (110, 20080), (122, 20155), (125, 20170), (126, 20173), (132, 20209), (154, 20344), (165, 20413), (191, 20527), (216, 20653), (234, 20767), (235, 20770), (239, 20791), (244, 20809), (261, 20890), (277, 20965), (280, 20983), (282, 20992), (288, 21022), (291, 21037), (299, 21061), (304, 21070), (313, 21115), (314, 21118), (318, 21139), (319, 21151), (356, 21364), (362, 21388), (374, 21469), (376, 21475), (396, 21610),

Gene: Rofo_35 Start: 30807, Stop: 32570, Start Num: 34
Candidate Starts for Rofo_35:
(31, 30789), (Start: 34 @30807 has 86 MA's), (Start: 39 @30843 has 5 MA's), (86, 30981), (102, 31077), (105, 31086), (114, 31155), (122, 31206), (129, 31251), (133, 31266), (144, 31347), (154, 31392), (156, 31401), (175, 31491), (181, 31521), (185, 31536), (189, 31560), (194, 31590), (223, 31695), (244, 31812), (248, 31830), (252, 31845), (257, 31875), (260, 31887), (261, 31890), (267, 31917), (346, 32241), (347, 32244), (355, 32292), (361, 32319), (365, 32346), (374, 32400), (379, 32424), (380, 32427), (390, 32517), (400, 32565),

Gene: RogerDodger_34 Start: 26723, Stop: 28489, Start Num: 34
Candidate Starts for RogerDodger_34:
(28, 26681), (Start: 34 @26723 has 86 MA's), (Start: 39 @26759 has 5 MA's), (Start: 53 @26792 has 7 MA's), (94, 26948), (104, 27002), (105, 27005), (109, 27035), (119, 27101), (122, 27125), (128, 27167), (156, 27320), (162, 27359), (175, 27410), (177, 27422), (181, 27440), (184, 27452), (186, 27464), (189, 27479), (194, 27509), (195, 27512), (199, 27533), (221, 27605), (227, 27653), (252, 27764), (258, 27797), (267, 27836), (268, 27839), (282, 27911), (300, 27977), (308, 27989), (346, 28160), (347, 28163), (355, 28211), (361, 28238), (365, 28265), (374, 28319), (390, 28436), (395, 28457), (400, 28484),

Gene: Rohr_28 Start: 21366, Stop: 23168, Start Num: 52
Candidate Starts for Rohr_28:
(Start: 52 @21366 has 230 MA's), (Start: 61 @21387 has 6 MA's), (Start: 71 @21429 has 1 MA's), (85, 21474), (122, 21690), (129, 21735), (132, 21744), (138, 21783), (144, 21834), (145, 21837), (187, 22032), (200, 22101), (234, 22302), (235, 22305), (239, 22326), (260, 22422), (261, 22425), (263, 22431), (277, 22500), (280, 22518), (282, 22527), (288, 22557), (314, 22653), (319, 22686), (322,

22701), (346, 22842), (356, 22899), (376, 23010),

Gene: Roimos_27 Start: 19876, Stop: 21675, Start Num: 50
Candidate Starts for Roimos_27:
(Start: 50 @19876 has 603 MA's), (Start: 71 @19936 has 1 MA's), (88, 20005), (107, 20107), (109, 20119), (110, 20122), (122, 20197), (125, 20212), (126, 20215), (132, 20251), (154, 20386), (165, 20455), (191, 20569), (216, 20695), (234, 20809), (239, 20833), (242, 20845), (244, 20851), (261, 20932), (277, 21007), (280, 21025), (282, 21034), (286, 21058), (288, 21064), (291, 21079), (307, 21121), (312, 21148), (313, 21157), (314, 21160), (318, 21181), (319, 21193), (356, 21406), (374, 21511), (376, 21517), (396, 21652),

Gene: Roksolana_31 Start: 19990, Stop: 21762, Start Num: 50
Candidate Starts for Roksolana_31:
(32, 19924), (Start: 41 @19966 has 10 MA's), (Start: 50 @19990 has 603 MA's), (110, 20227), (121, 20299), (122, 20302), (125, 20317), (132, 20356), (133, 20362), (148, 20473), (150, 20479), (159, 20518), (165, 20560), (176, 20599), (185, 20641), (187, 20644), (216, 20800), (240, 20941), (244, 20956), (288, 21169), (318, 21268), (322, 21295), (331, 21346), (333, 21355), (338, 21394), (341, 21409), (356, 21493), (374, 21598), (376, 21604), (396, 21739),

Gene: Romney_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Romney_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Ronaldo_56 Start: 28894, Stop: 30579, Start Num: 44
Candidate Starts for Ronaldo_56:
(20, 28702), (21, 28711), (22, 28717), (30, 28819), (35, 28849), (Start: 44 @28894 has 6 MA's), (90, 29035), (117, 29194), (125, 29248), (148, 29404), (170, 29503), (181, 29551), (191, 29608), (195, 29623), (220, 29713), (247, 29851), (260, 29914), (280, 30010), (292, 30061), (294, 30064), (306, 30076), (322, 30151), (325, 30166), (345, 30250), (361, 30331), (381, 30442), (395, 30547), (398, 30565),

Gene: Roosevelt_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Roosevelt_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Rosa24_26 Start: 19799, Stop: 21580, Start Num: 50
Candidate Starts for Rosa24_26:
(Start: 41 @19775 has 10 MA's), (Start: 50 @19799 has 603 MA's), (Start: 54 @19805 has 3 MA's), (Start: 71 @19859 has 1 MA's), (76, 19874), (88, 19928), (92, 19946), (107, 20030), (109, 20042), (110, 20045), (122, 20120), (125, 20135), (132, 20174), (148, 20291), (165, 20378), (185, 20459), (195, 20507), (200, 20531), (216, 20618), (224, 20663), (235, 20735), (239, 20756), (244, 20774), (261, 20855), (280, 20948), (282, 20957), (286, 20981), (288, 20987), (295, 21011), (314, 21065), (318, 21086), (326, 21137), (330, 21161), (356, 21311), (374, 21416), (377, 21431), (393, 21539),

(396, 21557),

Gene: Rosalind_30 Start: 19215, Stop: 21002, Start Num: 50
Candidate Starts for Rosalind_30:
(32, 19149), (Start: 41 @19191 has 10 MA's), (Start: 50 @19215 has 603 MA's), (92, 19353), (102, 19410), (110, 19452), (117, 19488), (122, 19527), (134, 19596), (138, 19620), (145, 19674), (176, 19824), (187, 19869), (191, 19899), (199, 19935), (207, 19986), (215, 20022), (224, 20070), (232, 20130), (260, 20259), (277, 20337), (322, 20538), (323, 20544), (339, 20640), (368, 20805), (384, 20904),

Gene: Rowdy_31 Start: 19855, Stop: 21633, Start Num: 50
Candidate Starts for Rowdy_31:
(Start: 50 @19855 has 603 MA's), (Start: 71 @19912 has 1 MA's), (76, 19927), (86, 19960), (88, 19981), (107, 20083), (109, 20095), (110, 20098), (122, 20173), (125, 20188), (132, 20227), (148, 20344), (154, 20362), (165, 20431), (178, 20485), (183, 20506), (191, 20545), (200, 20584), (216, 20671), (224, 20716), (230, 20764), (234, 20785), (239, 20809), (242, 20821), (244, 20827), (261, 20908), (280, 21001), (282, 21010), (286, 21034), (288, 21040), (291, 21055), (309, 21088), (318, 21139), (321, 21157), (328, 21202), (356, 21364), (362, 21388), (363, 21394), (374, 21469), (376, 21475), (377, 21484), (384, 21535), (396, 21610),

Gene: Rubeus_28 Start: 21204, Stop: 23006, Start Num: 52
Candidate Starts for Rubeus_28:
(Start: 52 @21204 has 230 MA's), (Start: 61 @21225 has 6 MA's), (Start: 71 @21267 has 1 MA's), (85, 21312), (122, 21528), (129, 21573), (132, 21582), (144, 21672), (145, 21675), (187, 21870), (200, 21939), (234, 22140), (235, 22143), (239, 22164), (260, 22260), (261, 22263), (263, 22269), (277, 22338), (280, 22356), (282, 22365), (288, 22395), (314, 22491), (319, 22524), (322, 22539), (346, 22680), (356, 22737), (376, 22848), (400, 23001),

Gene: Rufus_28 Start: 21506, Stop: 23308, Start Num: 52
Candidate Starts for Rufus_28:
(Start: 52 @21506 has 230 MA's), (Start: 61 @21527 has 6 MA's), (Start: 71 @21569 has 1 MA's), (85, 21614), (122, 21830), (129, 21875), (132, 21884), (144, 21974), (145, 21977), (162, 22070), (187, 22172), (200, 22241), (231, 22430), (234, 22442), (235, 22445), (239, 22466), (260, 22562), (261, 22565), (263, 22571), (277, 22640), (280, 22658), (282, 22667), (288, 22697), (314, 22793), (319, 22826), (322, 22841), (346, 22982), (356, 23039), (376, 23150),

Gene: Ruin_27 Start: 19823, Stop: 21601, Start Num: 50
Candidate Starts for Ruin_27:
(Start: 41 @19799 has 10 MA's), (Start: 50 @19823 has 603 MA's), (Start: 71 @19880 has 1 MA's), (87, 19934), (88, 19949), (92, 19967), (107, 20051), (109, 20063), (110, 20066), (122, 20141), (125, 20156), (132, 20195), (148, 20312), (165, 20399), (185, 20480), (195, 20528), (200, 20552), (216, 20639), (224, 20684), (235, 20756), (239, 20777), (244, 20795), (261, 20876), (280, 20969), (282, 20978), (286, 21002), (288, 21008), (295, 21032), (314, 21086), (318, 21107), (326, 21158), (330, 21182), (339, 21236), (356, 21332), (374, 21437), (377, 21452), (393, 21560), (396, 21578),

Gene: Rummer_29 Start: 20463, Stop: 22259, Start Num: 50
Candidate Starts for Rummer_29:
(Start: 50 @20463 has 603 MA's), (Start: 71 @20520 has 1 MA's), (76, 20535), (86, 20568), (88, 20589), (91, 20604), (107, 20691), (109, 20703), (110, 20706), (122, 20781), (125, 20796), (131, 20832), (165, 21039), (191, 21153), (200, 21192), (216, 21279), (234, 21393), (239, 21417), (244, 21435), (261, 21516), (277, 21591), (280, 21609), (286, 21642), (288, 21648), (299, 21687), (313, 21741), (314, 21744), (318, 21765), (327, 21822), (356, 21990), (374, 22095), (376, 22101), (396, 22236),

Gene: Ruotula_26 Start: 21710, Stop: 23512, Start Num: 52
Candidate Starts for Ruotula_26:
(Start: 52 @21710 has 230 MA's), (Start: 61 @21731 has 6 MA's), (Start: 71 @21773 has 1 MA's), (85, 21818), (122, 22034), (129, 22079), (132, 22088), (138, 22127), (144, 22178), (145, 22181), (187, 22376), (200, 22445), (234, 22646), (235, 22649), (239, 22670), (260, 22766), (261, 22769), (263, 22775), (277, 22844), (280, 22862), (282, 22871), (288, 22901), (314, 22997), (319, 23030), (322, 23045), (346, 23186), (356, 23243), (376, 23354),

Gene: Rutherferd_29 Start: 21775, Stop: 23577, Start Num: 52
Candidate Starts for Rutherferd_29:
(Start: 52 @21775 has 230 MA's), (Start: 61 @21796 has 6 MA's), (Start: 71 @21838 has 1 MA's), (85, 21883), (122, 22099), (129, 22144), (132, 22153), (144, 22243), (145, 22246), (162, 22339), (187, 22441), (200, 22510), (234, 22711), (235, 22714), (239, 22735), (260, 22831), (261, 22834), (263, 22840), (280, 22927), (282, 22936), (288, 22966), (314, 23062), (319, 23095), (322, 23110), (346, 23251), (356, 23308), (376, 23419),

Gene: RyeScarlet_30 Start: 21753, Stop: 23543, Start Num: 50
Candidate Starts for RyeScarlet_30:
(Start: 48 @21750 has 8 MA's), (Start: 50 @21753 has 603 MA's), (109, 21987), (110, 21990), (121, 22062), (122, 22065), (125, 22080), (132, 22119), (133, 22125), (148, 22236), (165, 22323), (185, 22404), (187, 22407), (220, 22593), (230, 22656), (235, 22680), (237, 22686), (244, 22719), (261, 22800), (286, 22926), (298, 22968), (314, 23028), (319, 23061), (322, 23076), (338, 23175), (339, 23178), (341, 23190), (356, 23274), (367, 23340), (374, 23379), (376, 23385), (382, 23430), (389, 23487), (390, 23490),

Gene: STLscum_28 Start: 21913, Stop: 23715, Start Num: 52
Candidate Starts for STLscum_28:
(Start: 52 @21913 has 230 MA's), (Start: 61 @21934 has 6 MA's), (Start: 71 @21976 has 1 MA's), (85, 22021), (122, 22237), (129, 22282), (132, 22291), (144, 22381), (145, 22384), (162, 22477), (187, 22579), (200, 22648), (231, 22837), (234, 22849), (235, 22852), (239, 22873), (260, 22969), (261, 22972), (263, 22978), (277, 23047), (280, 23065), (282, 23074), (288, 23104), (314, 23200), (319, 23233), (322, 23248), (346, 23389), (356, 23446), (376, 23557),

Gene: Sabertooth_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Sabertooth_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Sabia_29 Start: 20372, Stop: 22168, Start Num: 50
Candidate Starts for Sabia_29:
(Start: 50 @20372 has 603 MA's), (Start: 71 @20429 has 1 MA's), (76, 20444), (88, 20498), (91, 20513), (107, 20600), (109, 20612), (110, 20615), (122, 20690), (125, 20705), (131, 20741), (165, 20948), (200, 21101), (216, 21188), (234, 21302), (239, 21326), (244, 21344), (261, 21425), (277, 21500), (280, 21518), (286, 21551), (288, 21557), (299, 21596), (313, 21650), (314, 21653), (318, 21674), (327, 21731), (356, 21899), (374, 22004), (376, 22010), (396, 22145),

Gene: Sabinator_29 Start: 20377, Stop: 22173, Start Num: 50
Candidate Starts for Sabinator_29:

(Start: 50 @20377 has 603 MA's), (Start: 71 @20434 has 1 MA's), (76, 20449), (86, 20482), (88, 20503), (91, 20518), (107, 20605), (109, 20617), (110, 20620), (122, 20695), (125, 20710), (131, 20746), (165, 20953), (191, 21067), (200, 21106), (216, 21193), (234, 21307), (239, 21331), (244, 21349), (261, 21430), (277, 21505), (280, 21523), (286, 21556), (288, 21562), (299, 21601), (313, 21655), (314, 21658), (318, 21679), (327, 21736), (356, 21904), (374, 22009), (376, 22015), (396, 22150),

Gene: Sachima_30 Start: 21749, Stop: 23539, Start Num: 50
Candidate Starts for Sachima_30:
(Start: 48 @21746 has 8 MA's), (Start: 50 @21749 has 603 MA's), (109, 21983), (110, 21986), (121, 22058), (122, 22061), (125, 22076), (132, 22115), (133, 22121), (148, 22232), (165, 22319), (185, 22400), (187, 22403), (220, 22589), (230, 22652), (235, 22676), (237, 22682), (244, 22715), (261, 22796), (286, 22922), (298, 22964), (314, 23024), (319, 23057), (322, 23072), (338, 23171), (339, 23174), (341, 23186), (356, 23270), (367, 23336), (374, 23375), (376, 23381), (382, 23426), (389, 23483), (390, 23486),

Gene: Sagefire_28 Start: 21946, Stop: 23748, Start Num: 52
Candidate Starts for Sagefire_28:
(Start: 52 @21946 has 230 MA's), (Start: 61 @21967 has 6 MA's), (Start: 71 @22009 has 1 MA's), (85, 22054), (122, 22270), (129, 22315), (132, 22324), (138, 22363), (144, 22414), (145, 22417), (187, 22612), (200, 22681), (234, 22882), (235, 22885), (239, 22906), (260, 23002), (261, 23005), (263, 23011), (277, 23080), (280, 23098), (282, 23107), (288, 23137), (314, 23233), (319, 23266), (322, 23281), (346, 23422), (356, 23479), (376, 23590),

Gene: Saintus_24 Start: 18634, Stop: 20424, Start Num: 50
Candidate Starts for Saintus_24:
(Start: 41 @18610 has 10 MA's), (Start: 50 @18634 has 603 MA's), (84, 18727), (92, 18772), (110, 18871), (117, 18907), (122, 18946), (125, 18961), (131, 18997), (148, 19117), (150, 19123), (176, 19243), (203, 19372), (216, 19444), (234, 19558), (280, 19774), (286, 19807), (314, 19909), (319, 19942), (322, 19957), (327, 19987), (373, 20257), (376, 20266), (377, 20275), (394, 20389),

Gene: Salvador_31 Start: 25859, Stop: 27625, Start Num: 34
Candidate Starts for Salvador_31:
(28, 25817), (Start: 34 @25859 has 86 MA's), (Start: 39 @25895 has 5 MA's), (Start: 53 @25928 has 7 MA's), (94, 26084), (104, 26138), (105, 26141), (109, 26171), (119, 26237), (122, 26261), (123, 26270), (128, 26303), (156, 26456), (162, 26495), (175, 26546), (177, 26558), (181, 26576), (184, 26588), (186, 26600), (189, 26615), (194, 26645), (195, 26648), (199, 26669), (221, 26741), (227, 26789), (252, 26900), (258, 26933), (267, 26972), (268, 26975), (282, 27047), (300, 27113), (308, 27125), (346, 27296), (347, 27299), (355, 27347), (361, 27374), (365, 27401), (374, 27455), (390, 27572), (395, 27593), (400, 27620),

Gene: Salz_28 Start: 20746, Stop: 22545, Start Num: 50
Candidate Starts for Salz_28:
(32, 20680), (Start: 41 @20722 has 10 MA's), (Start: 50 @20746 has 603 MA's), (68, 20788), (92, 20884), (96, 20899), (109, 20980), (110, 20983), (122, 21058), (125, 21073), (132, 21112), (133, 21118), (139, 21169), (148, 21229), (150, 21235), (165, 21316), (187, 21400), (209, 21526), (214, 21544), (219, 21571), (244, 21712), (257, 21778), (260, 21790), (261, 21793), (304, 21982), (311, 22009), (312, 22018), (315, 22039), (316, 22042), (319, 22063), (322, 22078), (326, 22102), (338, 22177), (341, 22192), (356, 22276), (374, 22381), (376, 22387), (383, 22441), (400, 22540),

Gene: SamW_17 Start: 16284, Stop: 17981, Start Num: 39
Candidate Starts for SamW_17:

(Start: 39 @16284 has 5 MA's), (Start: 45 @16305 has 6 MA's), (75, 16389), (83, 16416), (85, 16422), (108, 16554), (118, 16605), (122, 16638), (123, 16647), (144, 16782), (150, 16815), (155, 16833), (163, 16887), (176, 16932), (189, 16989), (190, 17001), (198, 17040), (217, 17091), (219, 17100), (222, 17121), (231, 17187), (253, 17277), (275, 17385), (284, 17439), (286, 17445), (290, 17463), (324, 17559), (330, 17580), (340, 17625), (368, 17784), (372, 17799), (375, 17814), (377, 17826), (399, 17970),

Gene: Sandaddy_26 Start: 21059, Stop: 22861, Start Num: 52
Candidate Starts for Sandaddy_26:
(Start: 52 @21059 has 230 MA's), (Start: 61 @21080 has 6 MA's), (Start: 71 @21122 has 1 MA's), (122, 21383), (129, 21428), (132, 21437), (138, 21476), (144, 21527), (145, 21530), (187, 21725), (200, 21794), (234, 21995), (235, 21998), (239, 22019), (260, 22115), (261, 22118), (263, 22124), (277, 22193), (280, 22211), (282, 22220), (288, 22250), (314, 22346), (319, 22379), (322, 22394), (346, 22535), (356, 22592), (376, 22703),

Gene: Sanjuju_33 Start: 30976, Stop: 32739, Start Num: 34
Candidate Starts for Sanjuju_33:
(31, 30958), (Start: 34 @30976 has 86 MA's), (Start: 39 @31012 has 5 MA's), (86, 31150), (102, 31246), (105, 31255), (114, 31324), (122, 31375), (129, 31420), (133, 31435), (144, 31516), (154, 31561), (156, 31570), (175, 31660), (181, 31690), (185, 31705), (189, 31729), (194, 31759), (223, 31864), (244, 31981), (248, 31999), (252, 32014), (257, 32044), (260, 32056), (261, 32059), (267, 32086), (346, 32410), (347, 32413), (355, 32461), (361, 32488), (365, 32515), (374, 32569), (380, 32596), (398, 32725),

Gene: Sanya_27 Start: 21743, Stop: 23545, Start Num: 52
Candidate Starts for Sanya_27:
(Start: 52 @21743 has 230 MA's), (Start: 61 @21764 has 6 MA's), (Start: 71 @21806 has 1 MA's), (85, 21851), (122, 22067), (129, 22112), (132, 22121), (144, 22211), (145, 22214), (162, 22307), (187, 22409), (200, 22478), (234, 22679), (235, 22682), (239, 22703), (260, 22799), (261, 22802), (263, 22808), (277, 22877), (280, 22895), (282, 22904), (288, 22934), (314, 23030), (319, 23063), (322, 23078), (346, 23219), (356, 23276), (376, 23387),

Gene: SarFire_27 Start: 21221, Stop: 23023, Start Num: 52
Candidate Starts for SarFire_27:
(Start: 52 @21221 has 230 MA's), (Start: 61 @21242 has 6 MA's), (Start: 71 @21284 has 1 MA's), (85, 21329), (122, 21545), (129, 21590), (132, 21599), (144, 21689), (145, 21692), (162, 21785), (187, 21887), (200, 21956), (231, 22145), (234, 22157), (235, 22160), (239, 22181), (260, 22277), (261, 22280), (263, 22286), (277, 22355), (280, 22373), (282, 22382), (288, 22412), (314, 22508), (319, 22541), (322, 22556), (346, 22697), (356, 22754), (376, 22865), (400, 23018),

Gene: Saronaya_34 Start: 29639, Stop: 31402, Start Num: 34
Candidate Starts for Saronaya_34:
(Start: 34 @29639 has 86 MA's), (Start: 39 @29675 has 5 MA's), (83, 29804), (86, 29813), (102, 29909), (105, 29918), (114, 29987), (122, 30038), (123, 30047), (129, 30083), (133, 30098), (135, 30116), (144, 30179), (154, 30224), (156, 30233), (179, 30344), (181, 30353), (185, 30368), (189, 30392), (194, 30422), (244, 30644), (248, 30662), (252, 30677), (260, 30719), (267, 30749), (294, 30869), (321, 30962), (346, 31073), (347, 31076), (355, 31124), (361, 31151), (365, 31178), (374, 31232),

Gene: Saskia_28 Start: 20749, Stop: 22548, Start Num: 50
Candidate Starts for Saskia_28:
(32, 20683), (Start: 41 @20725 has 10 MA's), (Start: 50 @20749 has 603 MA's), (68, 20791), (92, 20887), (96, 20902), (109, 20983), (110, 20986), (122, 21061), (125, 21076), (132, 21115), (133,

21121), (148, 21232), (150, 21238), (165, 21319), (187, 21403), (209, 21529), (214, 21547), (219, 21574), (244, 21715), (257, 21781), (260, 21793), (261, 21796), (285, 21919), (304, 21985), (311, 22012), (315, 22042), (316, 22045), (319, 22066), (322, 22081), (326, 22105), (338, 22180), (341, 22195), (356, 22279), (374, 22384), (376, 22390), (383, 22444), (400, 22543),

Gene: SaturnRing_27 Start: 19904, Stop: 21700, Start Num: 50
Candidate Starts for SaturnRing_27:
(Start: 50 @19904 has 603 MA's), (Start: 71 @19961 has 1 MA's), (88, 20030), (107, 20132), (109, 20144), (110, 20147), (122, 20222), (125, 20237), (132, 20276), (154, 20411), (165, 20480), (191, 20594), (216, 20720), (234, 20834), (239, 20858), (244, 20876), (261, 20957), (277, 21032), (280, 21050), (282, 21059), (286, 21083), (288, 21089), (291, 21104), (304, 21137), (313, 21182), (314, 21185), (318, 21206), (319, 21218), (321, 21224), (330, 21281), (356, 21431), (362, 21455), (374, 21536), (376, 21542), (396, 21677),

Gene: Savbucketdawg_31 Start: 25640, Stop: 27406, Start Num: 34
Candidate Starts for Savbucketdawg_31:
(28, 25598), (Start: 34 @25640 has 86 MA's), (Start: 39 @25676 has 5 MA's), (Start: 53 @25709 has 7 MA's), (104, 25919), (105, 25922), (109, 25952), (119, 26018), (122, 26042), (123, 26051), (128, 26084), (156, 26237), (162, 26276), (175, 26327), (177, 26339), (181, 26357), (184, 26369), (186, 26381), (189, 26396), (194, 26426), (195, 26429), (199, 26450), (221, 26522), (227, 26570), (252, 26681), (258, 26714), (267, 26753), (268, 26756), (282, 26828), (300, 26894), (308, 26906), (346, 27077), (350, 27089), (351, 27095), (355, 27128), (361, 27155), (365, 27182), (374, 27236), (390, 27353), (395, 27374), (400, 27401),

Gene: Scamp_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Scamp_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Scherzo_30 Start: 21782, Stop: 23572, Start Num: 50
Candidate Starts for Scherzo_30:
(Start: 48 @21779 has 8 MA's), (Start: 50 @21782 has 603 MA's), (109, 22016), (110, 22019), (121, 22091), (122, 22094), (125, 22109), (132, 22148), (133, 22154), (148, 22265), (165, 22352), (185, 22433), (187, 22436), (220, 22622), (230, 22685), (235, 22709), (237, 22715), (244, 22748), (261, 22829), (286, 22955), (298, 22997), (314, 23057), (319, 23090), (322, 23105), (338, 23204), (339, 23207), (341, 23219), (356, 23303), (367, 23369), (374, 23408), (376, 23414), (382, 23459), (389, 23516), (390, 23519),

Gene: Schnabeltier_19 Start: 16963, Stop: 18693, Start Num: 45
Candidate Starts for Schnabeltier_19:
(26, 16846), (37, 16930), (Start: 39 @16942 has 5 MA's), (Start: 45 @16963 has 6 MA's), (97, 17134), (107, 17200), (112, 17233), (115, 17254), (144, 17446), (159, 17518), (165, 17560), (175, 17596), (181, 17626), (186, 17650), (193, 17692), (199, 17719), (218, 17776), (219, 17782), (231, 17869), (316, 18229), (320, 18253), (323, 18271), (346, 18367), (377, 18541), (378, 18544), (381, 18556), (388, 18631), (394, 18658),

Gene: SchottB_33 Start: 30654, Stop: 32417, Start Num: 34
Candidate Starts for SchottB_33:

(Start: 34 @30654 has 86 MA's), (Start: 39 @30690 has 5 MA's), (83, 30819), (86, 30828), (102, 30924), (105, 30933), (114, 31002), (122, 31053), (123, 31062), (129, 31098), (133, 31113), (135, 31131), (144, 31194), (154, 31239), (156, 31248), (179, 31359), (181, 31368), (185, 31383), (189, 31407), (194, 31437), (244, 31659), (248, 31677), (252, 31692), (260, 31734), (261, 31737), (267, 31764), (294, 31884), (346, 32088), (347, 32091), (355, 32139), (361, 32166), (365, 32193), (374, 32247),

Gene: Scorpia_25 Start: 18949, Stop: 20748, Start Num: 50
Candidate Starts for Scorpia_25:
(Start: 50 @18949 has 603 MA's), (110, 19186), (122, 19261), (125, 19276), (131, 19312), (141, 19384), (143, 19399), (148, 19432), (150, 19438), (191, 19633), (197, 19663), (199, 19669), (216, 19759), (224, 19804), (234, 19873), (244, 19915), (249, 19933), (260, 19993), (261, 19996), (280, 20089), (313, 20230), (319, 20266), (373, 20581), (376, 20590), (396, 20725),

Gene: Scout_27 Start: 19207, Stop: 21006, Start Num: 50
Candidate Starts for Scout_27:
(Start: 50 @19207 has 603 MA's), (Start: 71 @19267 has 1 MA's), (88, 19336), (107, 19438), (109, 19450), (110, 19453), (122, 19528), (125, 19543), (126, 19546), (132, 19582), (154, 19717), (165, 19786), (191, 19900), (216, 20026), (234, 20140), (239, 20164), (242, 20176), (244, 20182), (261, 20263), (277, 20338), (280, 20356), (282, 20365), (286, 20389), (288, 20395), (291, 20410), (307, 20452), (312, 20479), (313, 20488), (314, 20491), (318, 20512), (319, 20524), (356, 20737), (374, 20842), (376, 20848), (396, 20983),

Gene: Scowl_28 Start: 21803, Stop: 23605, Start Num: 52
Candidate Starts for Scowl_28:
(Start: 52 @21803 has 230 MA's), (Start: 61 @21824 has 6 MA's), (Start: 71 @21866 has 1 MA's), (85, 21911), (122, 22127), (129, 22172), (132, 22181), (138, 22220), (144, 22271), (145, 22274), (162, 22367), (187, 22469), (200, 22538), (234, 22739), (235, 22742), (239, 22763), (260, 22859), (261, 22862), (263, 22868), (277, 22937), (280, 22955), (282, 22964), (288, 22994), (314, 23090), (319, 23123), (322, 23138), (346, 23279), (356, 23336), (376, 23447),

Gene: Seabiscuit_29 Start: 21127, Stop: 22929, Start Num: 52
Candidate Starts for Seabiscuit_29:
(Start: 52 @21127 has 230 MA's), (Start: 61 @21148 has 6 MA's), (Start: 71 @21190 has 1 MA's), (85, 21235), (122, 21451), (129, 21496), (132, 21505), (138, 21544), (144, 21595), (145, 21598), (187, 21793), (200, 21862), (234, 22063), (235, 22066), (239, 22087), (260, 22183), (261, 22186), (263, 22192), (277, 22261), (280, 22279), (282, 22288), (288, 22318), (314, 22414), (319, 22447), (322, 22462), (346, 22603), (356, 22660), (376, 22771),

Gene: Seanderson_28 Start: 21601, Stop: 23403, Start Num: 52
Candidate Starts for Seanderson_28:
(Start: 52 @21601 has 230 MA's), (Start: 61 @21622 has 6 MA's), (Start: 71 @21664 has 1 MA's), (85, 21709), (122, 21925), (129, 21970), (132, 21979), (138, 22018), (144, 22069), (145, 22072), (187, 22267), (200, 22336), (234, 22537), (235, 22540), (239, 22561), (260, 22657), (261, 22660), (263, 22666), (277, 22735), (280, 22753), (282, 22762), (288, 22792), (314, 22888), (319, 22921), (322, 22936), (327, 22966), (346, 23077), (356, 23134), (376, 23245),

Gene: Sedona_35 Start: 31913, Stop: 33676, Start Num: 34
Candidate Starts for Sedona_35:
(31, 31895), (Start: 34 @31913 has 86 MA's), (Start: 39 @31949 has 5 MA's), (86, 32087), (102, 32183), (105, 32192), (114, 32261), (122, 32312), (129, 32357), (133, 32372), (144, 32453), (154, 32498), (156, 32507), (175, 32597), (181, 32627), (185, 32642), (189, 32666), (194, 32696), (223, 32801), (244, 32918), (248, 32936), (252, 32951), (257, 32981), (260, 32993), (261, 32996), (267,

33023), (345, 33344), (346, 33347), (347, 33350), (355, 33398), (361, 33425), (365, 33452), (374, 33506), (379, 33530), (380, 33533), (390, 33623), (400, 33671),

Gene: SemperFi_30 Start: 20535, Stop: 22307, Start Num: 50
Candidate Starts for SemperFi_30:
(32, 20469), (Start: 41 @20511 has 10 MA's), (Start: 50 @20535 has 603 MA's), (86, 20634), (100, 20718), (109, 20769), (110, 20772), (121, 20844), (122, 20847), (132, 20901), (138, 20940), (143, 20985), (148, 21018), (165, 21105), (185, 21186), (187, 21189), (235, 21462), (286, 21708), (309, 21762), (319, 21825), (322, 21840), (323, 21846), (333, 21900), (338, 21939), (341, 21954), (356, 22038), (371, 22119), (376, 22149), (396, 22284),

Gene: Sendy_32 Start: 26023, Stop: 27831, Start Num: 28
Candidate Starts for Sendy_32:
(28, 26023), (Start: 34 @26065 has 86 MA's), (Start: 39 @26101 has 5 MA's), (Start: 53 @26134 has 7 MA's), (104, 26344), (105, 26347), (109, 26377), (119, 26443), (122, 26467), (123, 26476), (128, 26509), (156, 26662), (162, 26701), (175, 26752), (177, 26764), (181, 26782), (184, 26794), (186, 26806), (189, 26821), (194, 26851), (195, 26854), (199, 26875), (221, 26947), (227, 26995), (252, 27106), (258, 27139), (267, 27178), (268, 27181), (282, 27253), (300, 27319), (308, 27331), (346, 27502), (347, 27505), (355, 27553), (361, 27580), (365, 27607), (366, 27613), (374, 27661), (390, 27778), (395, 27799), (400, 27826),

Gene: SenorClean_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for SenorClean_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Serenity_27 Start: 19141, Stop: 20931, Start Num: 50
Candidate Starts for Serenity_27:
(Start: 41 @19117 has 10 MA's), (Start: 50 @19141 has 603 MA's), (96, 19294), (109, 19375), (110, 19378), (121, 19450), (122, 19453), (132, 19507), (133, 19513), (135, 19531), (143, 19591), (148, 19624), (150, 19630), (159, 19669), (165, 19711), (185, 19792), (187, 19795), (197, 19855), (220, 19981), (234, 20065), (244, 20107), (255, 20158), (261, 20188), (286, 20314), (307, 20377), (319, 20449), (322, 20464), (326, 20488), (338, 20563), (341, 20578), (356, 20662), (374, 20767), (376, 20773), (379, 20791), (382, 20818), (383, 20827),

Gene: Severus_26 Start: 17888, Stop: 19666, Start Num: 50
Candidate Starts for Severus_26:
(Start: 41 @17864 has 10 MA's), (Start: 50 @17888 has 603 MA's), (Start: 71 @17945 has 1 MA's), (76, 17960), (88, 18014), (109, 18128), (110, 18131), (122, 18206), (127, 18245), (148, 18377), (165, 18464), (183, 18539), (191, 18578), (200, 18617), (216, 18704), (224, 18749), (234, 18818), (239, 18842), (242, 18854), (244, 18860), (280, 19034), (282, 19043), (286, 19067), (288, 19073), (291, 19088), (309, 19121), (318, 19172), (327, 19229), (328, 19235), (356, 19397), (374, 19502), (376, 19508), (377, 19517), (396, 19643),

Gene: Shaka_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Shaka_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (139, 20256), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200,

20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Sham4_28 Start: 20752, Stop: 22551, Start Num: 50
Candidate Starts for Sham4_28:
(32, 20686), (Start: 41 @20728 has 10 MA's), (Start: 50 @20752 has 603 MA's), (68, 20794), (92, 20890), (96, 20905), (109, 20986), (110, 20989), (122, 21064), (125, 21079), (132, 21118), (133, 21124), (139, 21175), (148, 21235), (150, 21241), (165, 21322), (187, 21406), (209, 21532), (214, 21550), (219, 21577), (244, 21718), (257, 21784), (260, 21796), (261, 21799), (304, 21988), (311, 22015), (312, 22024), (315, 22045), (316, 22048), (319, 22069), (322, 22084), (326, 22108), (338, 22183), (341, 22198), (356, 22282), (374, 22387), (376, 22393), (383, 22447), (400, 22546),

Gene: Shapes_31 Start: 19855, Stop: 21633, Start Num: 50
Candidate Starts for Shapes_31:
(Start: 50 @19855 has 603 MA's), (Start: 71 @19912 has 1 MA's), (76, 19927), (86, 19960), (88, 19981), (107, 20083), (109, 20095), (110, 20098), (122, 20173), (125, 20188), (132, 20227), (148, 20344), (154, 20362), (165, 20431), (178, 20485), (183, 20506), (191, 20545), (200, 20584), (216, 20671), (224, 20716), (230, 20764), (234, 20785), (239, 20809), (242, 20821), (244, 20827), (261, 20908), (280, 21001), (282, 21010), (286, 21034), (288, 21040), (291, 21055), (309, 21088), (318, 21139), (321, 21157), (328, 21202), (356, 21364), (362, 21388), (363, 21394), (374, 21469), (376, 21475), (377, 21484), (384, 21535), (396, 21610),

Gene: SharkTale_31 Start: 26615, Stop: 28423, Start Num: 28
Candidate Starts for SharkTale_31:
(28, 26615), (31, 26645), (Start: 34 @26657 has 86 MA's), (Start: 39 @26693 has 5 MA's), (Start: 47 @26717 has 5 MA's), (Start: 53 @26726 has 7 MA's), (94, 26882), (104, 26936), (105, 26939), (109, 26969), (122, 27059), (123, 27068), (128, 27101), (156, 27254), (162, 27293), (175, 27344), (177, 27356), (181, 27374), (184, 27386), (186, 27398), (189, 27413), (194, 27443), (195, 27446), (199, 27467), (227, 27587), (252, 27698), (258, 27731), (268, 27773), (282, 27845), (300, 27911), (346, 28094), (347, 28097), (355, 28145), (361, 28172), (365, 28199), (374, 28253), (390, 28370), (395, 28391), (400, 28418),

Gene: ShawBrad_20 Start: 16436, Stop: 18133, Start Num: 49
Candidate Starts for ShawBrad_20:
(37, 16397), (Start: 49 @16436 has 37 MA's), (Start: 55 @16448 has 1 MA's), (79, 16526), (86, 16547), (94, 16595), (97, 16604), (103, 16646), (109, 16682), (118, 16739), (125, 16787), (128, 16814), (162, 17012), (165, 17030), (169, 17039), (171, 17045), (181, 17093), (188, 17123), (193, 17159), (199, 17186), (200, 17189), (208, 17240), (222, 17270), (226, 17297), (229, 17324), (246, 17396), (254, 17435), (268, 17489), (276, 17531), (293, 17606), (315, 17669), (320, 17696), (321, 17699), (323, 17714), (343, 17798), (345, 17807), (346, 17810), (348, 17816), (351, 17828), (352, 17831), (355, 17861), (356, 17867), (361, 17888), (362, 17891), (370, 17945), (376, 17975), (377, 17984), (384, 18035), (387, 18068), (390, 18080), (394, 18098),

Gene: ShayRa_31 Start: 19215, Stop: 21002, Start Num: 50
Candidate Starts for ShayRa_31:
(32, 19149), (Start: 41 @19191 has 10 MA's), (Start: 50 @19215 has 603 MA's), (92, 19353), (102, 19410), (110, 19452), (117, 19488), (122, 19527), (134, 19596), (138, 19620), (145, 19674), (176, 19824), (187, 19869), (191, 19899), (199, 19935), (207, 19986), (215, 20022), (224, 20070), (232, 20130), (260, 20259), (277, 20337), (322, 20538), (323, 20544), (339, 20640), (368, 20805), (384, 20904),

Gene: SheaKeira_28 Start: 19728, Stop: 21518, Start Num: 50

Candidate Starts for SheaKeira_28:
(32, 19662), (Start: 41 @19704 has 10 MA's), (Start: 50 @19728 has 603 MA's), (109, 19962), (110, 19965), (121, 20037), (122, 20040), (125, 20055), (126, 20058), (132, 20094), (133, 20100), (144, 20184), (148, 20211), (150, 20217), (165, 20298), (183, 20373), (185, 20379), (187, 20382), (197, 20442), (200, 20451), (230, 20631), (244, 20694), (255, 20745), (261, 20775), (266, 20793), (286, 20901), (314, 21003), (315, 21012), (322, 21051), (326, 21075), (338, 21150), (341, 21165), (356, 21249), (374, 21354), (376, 21360), (389, 21462),

Gene: Sheen_29 Start: 22979, Stop: 24781, Start Num: 50
Candidate Starts for Sheen_29:
(Start: 43 @22967 has 2 MA's), (Start: 50 @22979 has 603 MA's), (Start: 71 @23027 has 1 MA's), (77, 23045), (109, 23210), (110, 23213), (122, 23288), (125, 23303), (132, 23342), (150, 23465), (152, 23471), (159, 23504), (165, 23546), (197, 23690), (221, 23816), (234, 23897), (244, 23939), (254, 23987), (260, 24035), (261, 24038), (277, 24113), (280, 24131), (282, 24140), (286, 24164), (288, 24170), (313, 24263), (314, 24266), (319, 24299), (322, 24314), (346, 24455), (371, 24593), (374, 24617), (376, 24623), (390, 24728),

Gene: SheldonCooper_28 Start: 20139, Stop: 21920, Start Num: 50
Candidate Starts for SheldonCooper_28:
(Start: 41 @20115 has 10 MA's), (Start: 50 @20139 has 603 MA's), (Start: 54 @20145 has 3 MA's), (Start: 71 @20199 has 1 MA's), (76, 20214), (88, 20268), (92, 20286), (107, 20370), (109, 20382), (110, 20385), (122, 20460), (125, 20475), (132, 20514), (148, 20631), (165, 20718), (185, 20799), (195, 20847), (200, 20871), (216, 20958), (224, 21003), (235, 21075), (239, 21096), (244, 21114), (261, 21195), (277, 21270), (280, 21288), (282, 21297), (286, 21321), (288, 21327), (295, 21351), (312, 21393), (314, 21405), (318, 21426), (326, 21477), (330, 21501), (339, 21555), (356, 21651), (374, 21756), (377, 21771), (393, 21879), (396, 21897),

Gene: Shep_27 Start: 18922, Stop: 20721, Start Num: 50
Candidate Starts for Shep_27:
(Start: 50 @18922 has 603 MA's), (Start: 71 @18982 has 1 MA's), (88, 19051), (107, 19153), (109, 19165), (110, 19168), (122, 19243), (125, 19258), (126, 19261), (132, 19297), (154, 19432), (165, 19501), (191, 19615), (216, 19741), (234, 19855), (239, 19879), (242, 19891), (244, 19897), (261, 19978), (277, 20053), (280, 20071), (282, 20080), (286, 20104), (288, 20110), (291, 20125), (307, 20167), (312, 20194), (313, 20203), (314, 20206), (318, 20227), (319, 20239), (356, 20452), (374, 20557), (376, 20563), (396, 20698),

Gene: Shinji_31 Start: 25793, Stop: 27601, Start Num: 28
Candidate Starts for Shinji_31:
(28, 25793), (Start: 34 @25835 has 86 MA's), (Start: 39 @25871 has 5 MA's), (Start: 53 @25904 has 7 MA's), (104, 26114), (105, 26117), (109, 26147), (119, 26213), (122, 26237), (123, 26246), (128, 26279), (156, 26432), (162, 26471), (175, 26522), (177, 26534), (181, 26552), (184, 26564), (186, 26576), (189, 26591), (194, 26621), (195, 26624), (199, 26645), (221, 26717), (227, 26765), (252, 26876), (258, 26909), (267, 26948), (268, 26951), (282, 27023), (300, 27089), (308, 27101), (346, 27272), (347, 27275), (355, 27323), (361, 27350), (365, 27377), (366, 27383), (374, 27431), (390, 27548), (395, 27569), (400, 27596),

Gene: Shivanishola_36 Start: 30875, Stop: 32638, Start Num: 34
Candidate Starts for Shivanishola_36:
(31, 30857), (Start: 34 @30875 has 86 MA's), (Start: 39 @30911 has 5 MA's), (86, 31049), (102, 31145), (105, 31154), (114, 31223), (122, 31274), (129, 31319), (133, 31334), (144, 31415), (154, 31460), (156, 31469), (175, 31559), (181, 31589), (185, 31604), (189, 31628), (194, 31658), (223, 31763), (244, 31880), (248, 31898), (252, 31913), (257, 31943), (260, 31955), (261, 31958), (267, 31985), (346, 32309), (347, 32312), (355, 32360), (361, 32387), (365, 32414), (374, 32468), (380,

32495), (398, 32624),

Gene: ShortQueendom_27 Start: 21041, Stop: 22843, Start Num: 52
Candidate Starts for ShortQueendom_27:
(Start: 52 @21041 has 230 MA's), (Start: 61 @21062 has 6 MA's), (Start: 71 @21104 has 1 MA's), (85, 21149), (122, 21365), (129, 21410), (132, 21419), (138, 21458), (144, 21509), (145, 21512), (187, 21707), (200, 21776), (234, 21977), (235, 21980), (239, 22001), (260, 22097), (261, 22100), (263, 22106), (277, 22175), (280, 22193), (282, 22202), (288, 22232), (314, 22328), (319, 22361), (322, 22376), (346, 22517), (356, 22574), (376, 22685),

Gene: Shuman_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Shuman_23:
(Start: 60 @16334 has 3 MA's), (Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (171, 16910), (174, 16925), (175, 16928), (183, 16967), (187, 16976), (203, 17060), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (289, 17453), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Shygu2_27 Start: 19817, Stop: 21616, Start Num: 50
Candidate Starts for Shygu2_27:
(Start: 41 @19793 has 10 MA's), (Start: 50 @19817 has 603 MA's), (Start: 54 @19823 has 3 MA's), (Start: 71 @19877 has 1 MA's), (88, 19946), (103, 20024), (107, 20048), (109, 20060), (110, 20063), (117, 20099), (122, 20138), (125, 20153), (132, 20192), (145, 20285), (148, 20309), (165, 20396), (200, 20549), (216, 20636), (224, 20681), (234, 20750), (239, 20774), (242, 20786), (261, 20873), (277, 20948), (280, 20966), (282, 20975), (286, 20999), (288, 21005), (291, 21020), (304, 21053), (313, 21098), (314, 21101), (318, 21122), (356, 21347), (370, 21425), (374, 21452), (376, 21458), (396, 21593),

Gene: Sibs6_29 Start: 21686, Stop: 23488, Start Num: 52
Candidate Starts for Sibs6_29:
(Start: 52 @21686 has 230 MA's), (Start: 61 @21707 has 6 MA's), (Start: 71 @21749 has 1 MA's), (85, 21794), (122, 22010), (129, 22055), (132, 22064), (138, 22103), (144, 22154), (145, 22157), (187, 22352), (200, 22421), (234, 22622), (235, 22625), (239, 22646), (260, 22742), (261, 22745), (263, 22751), (277, 22820), (280, 22838), (282, 22847), (288, 22877), (314, 22973), (319, 23006), (322, 23021), (346, 23162), (356, 23219), (376, 23330),

Gene: SilverChicken_19 Start: 13744, Stop: 15408, Start Num: 53
Candidate Starts for SilverChicken_19:
(Start: 53 @13744 has 7 MA's), (78, 13825), (87, 13855), (90, 13876), (92, 13888), (105, 13954), (111, 13993), (112, 14005), (116, 14029), (124, 14086), (125, 14089), (127, 14113), (129, 14119), (130, 14122), (138, 14167), (139, 14185), (145, 14221), (166, 14332), (176, 14368), (181, 14395), (184, 14407), (185, 14410), (191, 14452), (194, 14464), (199, 14488), (219, 14542), (234, 14641), (256, 14734), (261, 14761), (264, 14773), (278, 14824), (280, 14839), (294, 14893), (310, 14920), (346, 15082), (347, 15085), (348, 15088), (367, 15205), (376, 15247), (386, 15331), (395, 15376), (398, 15394),

Gene: Sitar_35 Start: 31965, Stop: 33728, Start Num: 34
Candidate Starts for Sitar_35:
(31, 31947), (Start: 34 @31965 has 86 MA's), (Start: 39 @32001 has 5 MA's), (86, 32139), (102, 32235), (105, 32244), (114, 32313), (122, 32364), (129, 32409), (133, 32424), (144, 32505), (154, 32550), (156, 32559), (175, 32649), (181, 32679), (185, 32694), (189, 32718), (194, 32748), (223, 32853), (244, 32970), (248, 32988), (252, 33003), (257, 33033), (260, 33045), (261, 33048), (267, 33075), (346, 33399), (347, 33402), (355, 33450), (361, 33477), (365, 33504), (374, 33558), (380,

33585), (400, 33723),

Gene: Sixsevenium_32 Start: 25768, Stop: 27534, Start Num: 34
Candidate Starts for Sixsevenium_32:
(28, 25726), (31, 25756), (Start: 34 @25768 has 86 MA's), (Start: 39 @25804 has 5 MA's), (Start: 47 @25828 has 5 MA's), (Start: 53 @25837 has 7 MA's), (94, 25993), (95, 25996), (104, 26047), (105, 26050), (109, 26080), (114, 26119), (122, 26170), (123, 26179), (128, 26212), (156, 26365), (162, 26404), (175, 26455), (177, 26467), (181, 26485), (184, 26497), (186, 26509), (189, 26524), (194, 26554), (195, 26557), (199, 26578), (227, 26698), (252, 26809), (258, 26842), (268, 26884), (282, 26956), (300, 27022), (346, 27205), (347, 27208), (355, 27256), (361, 27283), (365, 27310), (374, 27364), (390, 27481), (395, 27502), (400, 27529),

Gene: Skadoosh_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Skadoosh_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: SkiPole_29 Start: 21425, Stop: 23227, Start Num: 52
Candidate Starts for SkiPole_29:
(Start: 52 @21425 has 230 MA's), (Start: 61 @21446 has 6 MA's), (Start: 71 @21488 has 1 MA's), (85, 21533), (122, 21749), (129, 21794), (132, 21803), (144, 21893), (145, 21896), (162, 21989), (187, 22091), (200, 22160), (231, 22349), (234, 22361), (235, 22364), (239, 22385), (260, 22481), (261, 22484), (263, 22490), (277, 22559), (280, 22577), (282, 22586), (288, 22616), (314, 22712), (319, 22745), (322, 22760), (346, 22901), (356, 22958), (376, 23069), (400, 23222),

Gene: Skipitt_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for Skipitt_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Sknot_28 Start: 20214, Stop: 21986, Start Num: 50
Candidate Starts for Sknot_28:
(Start: 41 @20190 has 10 MA's), (Start: 50 @20214 has 603 MA's), (91, 20349), (96, 20367), (109, 20448), (110, 20451), (121, 20523), (122, 20526), (125, 20541), (132, 20580), (133, 20586), (141, 20649), (148, 20697), (157, 20730), (165, 20784), (185, 20865), (187, 20868), (191, 20898), (220, 21054), (235, 21141), (261, 21261), (285, 21384), (286, 21387), (288, 21393), (309, 21441), (319, 21504), (322, 21519), (323, 21525), (333, 21579), (338, 21618), (341, 21633), (348, 21666), (374, 21822), (376, 21828), (383, 21882),

Gene: Slagathor_28 Start: 21029, Stop: 22831, Start Num: 52
Candidate Starts for Slagathor_28:
(Start: 52 @21029 has 230 MA's), (Start: 61 @21050 has 6 MA's), (Start: 71 @21092 has 1 MA's), (85, 21137), (122, 21353), (129, 21398), (132, 21407), (138, 21446), (144, 21497), (145, 21500), (187, 21695), (200, 21764), (210, 21824), (213, 21836), (234, 21965), (235, 21968), (239, 21989), (260, 22085), (261, 22088), (263, 22094), (277, 22163), (280, 22181), (282, 22190), (288, 22220), (314,

22316), (319, 22349), (322, 22364), (346, 22505), (356, 22562), (376, 22673),

Gene: Smairt_28 Start: 21861, Stop: 23663, Start Num: 52
Candidate Starts for Smairt_28:
(Start: 52 @21861 has 230 MA's), (Start: 61 @21882 has 6 MA's), (Start: 71 @21924 has 1 MA's), (85, 21969), (122, 22185), (129, 22230), (132, 22239), (144, 22329), (145, 22332), (187, 22527), (200, 22596), (231, 22785), (234, 22797), (235, 22800), (239, 22821), (260, 22917), (261, 22920), (263, 22926), (277, 22995), (280, 23013), (282, 23022), (288, 23052), (314, 23148), (319, 23181), (322, 23196), (346, 23337), (356, 23394), (376, 23505), (400, 23658),

Gene: Smeadley_24 Start: 18652, Stop: 20442, Start Num: 50
Candidate Starts for Smeadley_24:
(Start: 41 @18628 has 10 MA's), (Start: 50 @18652 has 603 MA's), (84, 18745), (92, 18790), (110, 18889), (117, 18925), (122, 18964), (125, 18979), (131, 19015), (148, 19135), (150, 19141), (176, 19261), (203, 19390), (216, 19462), (234, 19576), (280, 19792), (286, 19825), (314, 19927), (319, 19960), (322, 19975), (327, 20005), (373, 20275), (376, 20284), (377, 20293), (394, 20407),

Gene: Smeagan_30 Start: 20692, Stop: 22464, Start Num: 50
Candidate Starts for Smeagan_30:
(32, 20626), (Start: 41 @20668 has 10 MA's), (Start: 50 @20692 has 603 MA's), (86, 20791), (100, 20875), (107, 20914), (109, 20926), (110, 20929), (121, 21001), (122, 21004), (132, 21058), (138, 21097), (148, 21175), (165, 21262), (185, 21343), (187, 21346), (220, 21532), (235, 21619), (257, 21724), (261, 21739), (286, 21865), (288, 21871), (309, 21919), (322, 21997), (323, 22003), (333, 22057), (338, 22096), (341, 22111), (356, 22195), (371, 22276), (376, 22306),

Gene: Smeagol_29 Start: 22440, Stop: 24242, Start Num: 52
Candidate Starts for Smeagol_29:
(Start: 52 @22440 has 230 MA's), (Start: 61 @22461 has 6 MA's), (Start: 71 @22503 has 1 MA's), (85, 22548), (122, 22764), (129, 22809), (132, 22818), (138, 22857), (145, 22911), (187, 23106), (200, 23175), (234, 23376), (235, 23379), (239, 23400), (260, 23496), (261, 23499), (263, 23505), (277, 23574), (280, 23592), (282, 23601), (288, 23631), (314, 23727), (319, 23760), (322, 23775), (346, 23916), (356, 23973), (376, 24084), (400, 24237),

Gene: SmellyB_31 Start: 19976, Stop: 21748, Start Num: 50
Candidate Starts for SmellyB_31:
(32, 19910), (Start: 41 @19952 has 10 MA's), (Start: 50 @19976 has 603 MA's), (92, 20114), (103, 20174), (110, 20213), (121, 20285), (122, 20288), (126, 20306), (132, 20342), (133, 20348), (148, 20459), (150, 20465), (165, 20546), (176, 20585), (185, 20627), (187, 20630), (197, 20690), (240, 20927), (244, 20942), (261, 21023), (288, 21155), (322, 21281), (331, 21332), (333, 21341), (338, 21380), (339, 21383), (341, 21395), (356, 21479), (374, 21584), (376, 21590), (396, 21725),

Gene: SmokingBunny_31 Start: 25850, Stop: 27616, Start Num: 34
Candidate Starts for SmokingBunny_31:
(28, 25808), (Start: 34 @25850 has 86 MA's), (Start: 39 @25886 has 5 MA's), (Start: 53 @25919 has 7 MA's), (104, 26129), (105, 26132), (109, 26162), (119, 26228), (122, 26252), (123, 26261), (128, 26294), (156, 26447), (162, 26486), (175, 26537), (177, 26549), (181, 26567), (184, 26579), (186, 26591), (189, 26606), (194, 26636), (195, 26639), (199, 26660), (221, 26732), (227, 26780), (252, 26891), (258, 26924), (267, 26963), (268, 26966), (282, 27038), (300, 27104), (308, 27116), (346, 27287), (347, 27290), (355, 27338), (361, 27365), (365, 27392), (366, 27398), (374, 27446), (390, 27563), (395, 27584), (400, 27611),

Gene: SnapTap_28 Start: 20118, Stop: 21890, Start Num: 50
Candidate Starts for SnapTap_28:

(32, 20052), (Start: 41 @20094 has 10 MA's), (Start: 50 @20118 has 603 MA's), (100, 20301), (109, 20352), (110, 20355), (121, 20427), (122, 20430), (132, 20484), (138, 20523), (143, 20568), (148, 20601), (165, 20688), (185, 20769), (187, 20772), (235, 21045), (261, 21165), (309, 21345), (319, 21408), (322, 21423), (323, 21429), (333, 21483), (338, 21522), (341, 21537), (356, 21621), (376, 21732), (396, 21867),

Gene: Snape_28 Start: 20752, Stop: 22551, Start Num: 50
Candidate Starts for Snape_28:
(32, 20686), (Start: 41 @20728 has 10 MA's), (Start: 50 @20752 has 603 MA's), (68, 20794), (92, 20890), (96, 20905), (109, 20986), (110, 20989), (122, 21064), (125, 21079), (132, 21118), (133, 21124), (139, 21175), (148, 21235), (150, 21241), (165, 21322), (187, 21406), (209, 21532), (214, 21550), (219, 21577), (244, 21718), (257, 21784), (260, 21796), (261, 21799), (304, 21988), (311, 22015), (312, 22024), (315, 22045), (316, 22048), (319, 22069), (322, 22084), (326, 22108), (338, 22183), (341, 22198), (356, 22282), (374, 22387), (376, 22393), (383, 22447), (400, 22546),

Gene: Snazzy_26 Start: 21047, Stop: 22849, Start Num: 52
Candidate Starts for Snazzy_26:
(Start: 52 @21047 has 230 MA's), (Start: 61 @21068 has 6 MA's), (Start: 71 @21110 has 1 MA's), (85, 21155), (122, 21371), (129, 21416), (132, 21425), (138, 21464), (144, 21515), (145, 21518), (187, 21713), (200, 21782), (234, 21983), (235, 21986), (239, 22007), (260, 22103), (261, 22106), (263, 22112), (277, 22181), (280, 22199), (282, 22208), (288, 22238), (314, 22334), (319, 22367), (322, 22382), (346, 22523), (356, 22580), (376, 22691), (400, 22844),

Gene: Snickers_29 Start: 20353, Stop: 22149, Start Num: 50
Candidate Starts for Snickers_29:
(Start: 50 @20353 has 603 MA's), (Start: 71 @20410 has 1 MA's), (76, 20425), (88, 20479), (91, 20494), (107, 20581), (109, 20593), (110, 20596), (122, 20671), (125, 20686), (131, 20722), (165, 20929), (200, 21082), (216, 21169), (234, 21283), (239, 21307), (244, 21325), (261, 21406), (277, 21481), (280, 21499), (286, 21532), (288, 21538), (299, 21577), (313, 21631), (314, 21634), (318, 21655), (327, 21712), (356, 21880), (374, 21985), (376, 21991), (396, 22126), (400, 22144),

Gene: SoYo_29 Start: 20290, Stop: 22086, Start Num: 50
Candidate Starts for SoYo_29:
(Start: 50 @20290 has 603 MA's), (Start: 71 @20347 has 1 MA's), (76, 20362), (86, 20395), (88, 20416), (91, 20431), (107, 20518), (109, 20530), (110, 20533), (122, 20608), (125, 20623), (131, 20659), (165, 20866), (191, 20980), (200, 21019), (216, 21106), (234, 21220), (239, 21244), (244, 21262), (261, 21343), (277, 21418), (280, 21436), (286, 21469), (288, 21475), (299, 21514), (313, 21568), (314, 21571), (318, 21592), (327, 21649), (356, 21817), (374, 21922), (376, 21928), (396, 22063),

Gene: SoilDragon_29 Start: 20067, Stop: 21863, Start Num: 50
Candidate Starts for SoilDragon_29:
(Start: 50 @20067 has 603 MA's), (Start: 71 @20124 has 1 MA's), (76, 20139), (86, 20172), (88, 20193), (91, 20208), (107, 20295), (109, 20307), (110, 20310), (122, 20385), (125, 20400), (131, 20436), (165, 20643), (200, 20796), (216, 20883), (234, 20997), (239, 21021), (244, 21039), (261, 21120), (277, 21195), (280, 21213), (286, 21246), (288, 21252), (299, 21291), (313, 21345), (314, 21348), (318, 21369), (327, 21426), (356, 21594), (374, 21699), (376, 21705), (396, 21840),

Gene: Solon_27 Start: 21712, Stop: 23514, Start Num: 52
Candidate Starts for Solon_27:
(Start: 52 @21712 has 230 MA's), (Start: 61 @21733 has 6 MA's), (Start: 71 @21775 has 1 MA's), (85, 21820), (122, 22036), (129, 22081), (132, 22090), (138, 22129), (144, 22180), (145, 22183), (162, 22276), (187, 22378), (200, 22447), (234, 22648), (235, 22651), (239, 22672), (260, 22768), (261,

22771), (263, 22777), (277, 22846), (280, 22864), (282, 22873), (288, 22903), (314, 22999), (319, 23032), (322, 23047), (346, 23188), (356, 23245), (376, 23356),

Gene: SororFago_28 Start: 19411, Stop: 21210, Start Num: 50
Candidate Starts for SororFago_28:
(Start: 48 @19408 has 8 MA's), (Start: 50 @19411 has 603 MA's), (91, 19546), (105, 19615), (110, 19648), (113, 19678), (121, 19720), (122, 19723), (133, 19783), (148, 19894), (159, 19939), (165, 19981), (183, 20056), (185, 20062), (187, 20065), (197, 20125), (217, 20227), (230, 20314), (235, 20338), (261, 20458), (307, 20656), (322, 20743), (323, 20749), (338, 20842), (374, 21046), (376, 21052),

Gene: Sorpresa_27 Start: 21059, Stop: 22861, Start Num: 52
Candidate Starts for Sorpresa_27:
(Start: 52 @21059 has 230 MA's), (Start: 61 @21080 has 6 MA's), (Start: 71 @21122 has 1 MA's), (122, 21383), (129, 21428), (132, 21437), (138, 21476), (144, 21527), (145, 21530), (187, 21725), (200, 21794), (234, 21995), (235, 21998), (239, 22019), (260, 22115), (261, 22118), (263, 22124), (277, 22193), (280, 22211), (282, 22220), (288, 22250), (314, 22346), (319, 22379), (322, 22394), (346, 22535), (356, 22592), (376, 22703),

Gene: Soshari_31 Start: 20462, Stop: 22258, Start Num: 50
Candidate Starts for Soshari_31:
(Start: 50 @20462 has 603 MA's), (Start: 71 @20519 has 1 MA's), (76, 20534), (86, 20567), (88, 20588), (91, 20603), (107, 20690), (109, 20702), (110, 20705), (122, 20780), (125, 20795), (131, 20831), (165, 21038), (191, 21152), (200, 21191), (216, 21278), (234, 21392), (239, 21416), (244, 21434), (261, 21515), (277, 21590), (280, 21608), (286, 21641), (288, 21647), (299, 21686), (313, 21740), (314, 21743), (318, 21764), (327, 21821), (356, 21989), (374, 22094), (376, 22100), (396, 22235),

Gene: Soul22_19 Start: 13742, Stop: 15406, Start Num: 53
Candidate Starts for Soul22_19:
(Start: 53 @13742 has 7 MA's), (78, 13823), (87, 13853), (90, 13874), (92, 13886), (105, 13952), (111, 13991), (112, 14003), (116, 14027), (124, 14084), (125, 14087), (127, 14111), (129, 14117), (130, 14120), (138, 14165), (139, 14183), (145, 14219), (166, 14330), (176, 14366), (181, 14393), (184, 14405), (185, 14408), (191, 14450), (194, 14462), (199, 14486), (219, 14540), (234, 14639), (256, 14732), (261, 14759), (264, 14771), (276, 14816), (280, 14837), (282, 14846), (310, 14918), (346, 15080), (347, 15083), (348, 15086), (367, 15203), (376, 15245), (386, 15329), (395, 15374), (398, 15392),

Gene: Soups_30 Start: 19215, Stop: 21002, Start Num: 50
Candidate Starts for Soups_30:
(32, 19149), (Start: 41 @19191 has 10 MA's), (Start: 50 @19215 has 603 MA's), (92, 19353), (102, 19410), (110, 19452), (117, 19488), (122, 19527), (134, 19596), (138, 19620), (145, 19674), (176, 19824), (187, 19869), (191, 19899), (199, 19935), (207, 19986), (215, 20022), (224, 20070), (232, 20130), (260, 20259), (277, 20337), (322, 20538), (323, 20544), (339, 20640), (368, 20805), (384, 20904),

Gene: Sparxx_27 Start: 19825, Stop: 21603, Start Num: 50
Candidate Starts for Sparxx_27:
(Start: 41 @19801 has 10 MA's), (Start: 50 @19825 has 603 MA's), (Start: 71 @19882 has 1 MA's), (87, 19936), (88, 19951), (92, 19969), (107, 20053), (109, 20065), (110, 20068), (122, 20143), (125, 20158), (132, 20197), (148, 20314), (165, 20401), (185, 20482), (195, 20530), (200, 20554), (216, 20641), (224, 20686), (235, 20758), (239, 20779), (244, 20797), (261, 20878), (280, 20971), (282, 20980), (286, 21004), (288, 21010), (295, 21034), (314, 21088), (318, 21109), (326, 21160), (330,

21184), (339, 21238), (356, 21334), (374, 21439), (377, 21454), (393, 21562), (396, 21580),

Gene: Spike509_29 Start: 20463, Stop: 22259, Start Num: 50
Candidate Starts for Spike509_29:
(Start: 50 @20463 has 603 MA's), (Start: 71 @20520 has 1 MA's), (76, 20535), (86, 20568), (88, 20589), (91, 20604), (107, 20691), (109, 20703), (110, 20706), (122, 20781), (125, 20796), (131, 20832), (165, 21039), (191, 21153), (200, 21192), (216, 21279), (234, 21393), (239, 21417), (244, 21435), (261, 21516), (277, 21591), (280, 21609), (286, 21642), (288, 21648), (299, 21687), (313, 21741), (314, 21744), (318, 21765), (327, 21822), (356, 21990), (374, 22095), (376, 22101), (396, 22236),

Gene: SpikeBT_29 Start: 22017, Stop: 23819, Start Num: 52
Candidate Starts for SpikeBT_29:
(Start: 52 @22017 has 230 MA's), (Start: 61 @22038 has 6 MA's), (Start: 71 @22080 has 1 MA's), (85, 22125), (122, 22341), (129, 22386), (132, 22395), (144, 22485), (145, 22488), (187, 22683), (200, 22752), (234, 22953), (235, 22956), (239, 22977), (260, 23073), (261, 23076), (263, 23082), (277, 23151), (280, 23169), (282, 23178), (288, 23208), (314, 23304), (319, 23337), (322, 23352), (346, 23493), (356, 23550), (376, 23661),

Gene: Spino_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Spino_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Spooky_20 Start: 16409, Stop: 18106, Start Num: 49
Candidate Starts for Spooky_20:
(37, 16370), (Start: 49 @16409 has 37 MA's), (Start: 55 @16421 has 1 MA's), (57, 16424), (Start: 71 @16472 has 1 MA's), (79, 16499), (86, 16520), (90, 16547), (93, 16562), (94, 16568), (95, 16571), (99, 16583), (103, 16619), (109, 16655), (118, 16712), (120, 16733), (125, 16760), (128, 16787), (162, 16985), (165, 17003), (169, 17012), (171, 17018), (181, 17066), (188, 17096), (193, 17132), (195, 17138), (199, 17159), (200, 17162), (221, 17240), (222, 17243), (226, 17270), (229, 17297), (246, 17369), (254, 17408), (268, 17462), (282, 17534), (293, 17579), (315, 17642), (320, 17669), (321, 17672), (323, 17687), (343, 17771), (345, 17780), (346, 17783), (348, 17789), (352, 17804), (355, 17834), (356, 17840), (361, 17861), (362, 17864), (370, 17918), (376, 17948), (377, 17957), (384, 18008), (387, 18041), (390, 18053), (394, 18071),

Gene: Spouty_30 Start: 21779, Stop: 23569, Start Num: 50
Candidate Starts for Spouty_30:
(Start: 48 @21776 has 8 MA's), (Start: 50 @21779 has 603 MA's), (109, 22013), (110, 22016), (121, 22088), (122, 22091), (125, 22106), (132, 22145), (133, 22151), (148, 22262), (165, 22349), (185, 22430), (187, 22433), (197, 22493), (220, 22619), (230, 22682), (235, 22706), (237, 22712), (244, 22745), (261, 22826), (286, 22952), (298, 22994), (299, 22997), (314, 23054), (319, 23087), (322, 23102), (338, 23201), (339, 23204), (341, 23216), (356, 23300), (367, 23366), (374, 23405), (376, 23411), (382, 23456), (389, 23513), (390, 23516),

Gene: Squee_28 Start: 21966, Stop: 23768, Start Num: 52
Candidate Starts for Squee_28:
(Start: 52 @21966 has 230 MA's), (Start: 61 @21987 has 6 MA's), (Start: 71 @22029 has 1 MA's), (85, 22074), (122, 22290), (129, 22335), (132, 22344), (138, 22383), (144, 22434), (145, 22437), (187,

22632), (200, 22701), (210, 22761), (234, 22902), (235, 22905), (239, 22926), (260, 23022), (261, 23025), (263, 23031), (277, 23100), (280, 23118), (282, 23127), (288, 23157), (314, 23253), (319, 23286), (322, 23301), (346, 23442), (356, 23499), (376, 23610),

Gene: Squiddly_22 Start: 17821, Stop: 19518, Start Num: 49
Candidate Starts for Squiddly_22:
(37, 17782), (Start: 49 @17821 has 37 MA's), (Start: 55 @17833 has 1 MA's), (57, 17836), (79, 17911), (86, 17932), (90, 17959), (93, 17974), (94, 17980), (95, 17983), (99, 17995), (103, 18031), (107, 18055), (109, 18067), (118, 18124), (120, 18145), (125, 18172), (128, 18199), (135, 18235), (152, 18340), (162, 18397), (165, 18415), (169, 18424), (171, 18430), (181, 18478), (188, 18508), (193, 18544), (195, 18550), (199, 18571), (200, 18574), (221, 18652), (222, 18655), (226, 18682), (229, 18709), (246, 18781), (254, 18820), (268, 18874), (275, 18910), (282, 18946), (293, 18991), (315, 19054), (316, 19057), (320, 19081), (321, 19084), (323, 19099), (343, 19183), (345, 19192), (346, 19195), (348, 19201), (352, 19216), (355, 19246), (356, 19252), (361, 19273), (362, 19276), (370, 19330), (376, 19360), (377, 19369), (384, 19420), (387, 19453), (390, 19465), (394, 19483),

Gene: StCroix_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for StCroix_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Stagni_29 Start: 20381, Stop: 22177, Start Num: 50
Candidate Starts for Stagni_29:
(Start: 50 @20381 has 603 MA's), (Start: 71 @20438 has 1 MA's), (76, 20453), (88, 20507), (91, 20522), (107, 20609), (109, 20621), (110, 20624), (122, 20699), (125, 20714), (131, 20750), (165, 20957), (200, 21110), (216, 21197), (234, 21311), (239, 21335), (244, 21353), (261, 21434), (277, 21509), (280, 21527), (286, 21560), (288, 21566), (299, 21605), (313, 21659), (314, 21662), (318, 21683), (327, 21740), (356, 21908), (374, 22013), (376, 22019), (396, 22154),

Gene: StarStuff_31 Start: 20049, Stop: 21839, Start Num: 50
Candidate Starts for StarStuff_31:
(32, 19983), (Start: 41 @20025 has 10 MA's), (Start: 50 @20049 has 603 MA's), (96, 20202), (109, 20283), (110, 20286), (121, 20358), (122, 20361), (125, 20376), (132, 20415), (133, 20421), (148, 20532), (154, 20550), (165, 20619), (185, 20700), (187, 20703), (216, 20859), (220, 20889), (261, 21096), (286, 21222), (314, 21324), (319, 21357), (322, 21372), (326, 21396), (338, 21471), (339, 21474), (341, 21486), (356, 21570), (370, 21648), (374, 21675), (376, 21681), (382, 21726), (383, 21735), (396, 21816),

Gene: Stasia_28 Start: 20265, Stop: 22046, Start Num: 50
Candidate Starts for Stasia_28:
(Start: 41 @20241 has 10 MA's), (Start: 50 @20265 has 603 MA's), (Start: 71 @20325 has 1 MA's), (88, 20394), (91, 20409), (107, 20496), (109, 20508), (110, 20511), (113, 20541), (122, 20586), (125, 20601), (132, 20640), (148, 20757), (165, 20844), (185, 20925), (191, 20958), (195, 20973), (200, 20997), (216, 21084), (221, 21117), (235, 21201), (239, 21222), (244, 21240), (261, 21321), (280, 21414), (282, 21423), (286, 21447), (288, 21453), (291, 21468), (309, 21501), (314, 21531), (318, 21552), (326, 21603), (339, 21681), (343, 21708), (356, 21777), (362, 21801), (374, 21882), (377, 21897), (391, 21999), (396, 22023),

Gene: SteMason_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for SteMason_27:

(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Steamy_29 Start: 21239, Stop: 23029, Start Num: 50
Candidate Starts for Steamy_29:
(32, 21173), (Start: 41 @21215 has 10 MA's), (Start: 50 @21239 has 603 MA's), (109, 21473), (110, 21476), (113, 21506), (121, 21548), (122, 21551), (126, 21569), (132, 21605), (133, 21611), (148, 21722), (157, 21755), (165, 21809), (185, 21890), (187, 21893), (207, 22010), (220, 22079), (242, 22199), (244, 22205), (261, 22286), (282, 22388), (286, 22412), (298, 22454), (314, 22514), (319, 22547), (322, 22562), (323, 22568), (327, 22592), (333, 22622), (338, 22661), (339, 22664), (341, 22676), (356, 22760), (382, 22916), (396, 23006),

Gene: StepMih_29 Start: 20429, Stop: 22168, Start Num: 71
Candidate Starts for StepMih_29:
(Start: 50 @20372 has 603 MA's), (Start: 71 @20429 has 1 MA's), (76, 20444), (88, 20498), (91, 20513), (107, 20600), (109, 20612), (110, 20615), (122, 20690), (125, 20705), (131, 20741), (165, 20948), (200, 21101), (216, 21188), (234, 21302), (239, 21326), (244, 21344), (261, 21425), (277, 21500), (280, 21518), (286, 21551), (288, 21557), (299, 21596), (313, 21650), (314, 21653), (318, 21674), (327, 21731), (356, 21899), (374, 22004), (376, 22010), (396, 22145),

Gene: Stephig9_24 Start: 18633, Stop: 20423, Start Num: 50
Candidate Starts for Stephig9_24:
(Start: 41 @18609 has 10 MA's), (Start: 50 @18633 has 603 MA's), (84, 18726), (92, 18771), (110, 18870), (117, 18906), (122, 18945), (125, 18960), (131, 18996), (148, 19116), (150, 19122), (176, 19242), (203, 19371), (216, 19443), (234, 19557), (280, 19773), (286, 19806), (314, 19908), (319, 19941), (322, 19956), (327, 19986), (373, 20256), (376, 20265), (377, 20274), (394, 20388),

Gene: StewieG_26 Start: 20902, Stop: 22704, Start Num: 52
Candidate Starts for StewieG_26:
(Start: 52 @20902 has 230 MA's), (Start: 61 @20923 has 6 MA's), (Start: 71 @20965 has 1 MA's), (85, 21010), (122, 21226), (129, 21271), (132, 21280), (138, 21319), (144, 21370), (145, 21373), (187, 21568), (200, 21637), (234, 21838), (235, 21841), (239, 21862), (260, 21958), (261, 21961), (263, 21967), (277, 22036), (280, 22054), (282, 22063), (288, 22093), (314, 22189), (319, 22222), (322, 22237), (346, 22378), (356, 22435), (376, 22546),

Gene: Stichling_32 Start: 29174, Stop: 30937, Start Num: 34
Candidate Starts for Stichling_32:
(Start: 34 @29174 has 86 MA's), (Start: 39 @29210 has 5 MA's), (83, 29339), (86, 29348), (102, 29444), (105, 29453), (114, 29522), (122, 29573), (123, 29582), (129, 29618), (133, 29633), (135, 29651), (144, 29714), (154, 29759), (156, 29768), (181, 29888), (185, 29903), (189, 29927), (194, 29957), (244, 30179), (248, 30197), (252, 30212), (260, 30254), (261, 30257), (267, 30284), (294, 30404), (315, 30467), (346, 30608), (347, 30611), (355, 30659), (361, 30686), (365, 30713), (374, 30767), (380, 30794),

Gene: Stink_28 Start: 20106, Stop: 21905, Start Num: 50
Candidate Starts for Stink_28:
(Start: 41 @20082 has 10 MA's), (Start: 50 @20106 has 603 MA's), (Start: 54 @20112 has 3 MA's), (Start: 71 @20166 has 1 MA's), (88, 20235), (103, 20313), (107, 20337), (109, 20349), (110, 20352), (122, 20427), (125, 20442), (132, 20481), (145, 20574), (148, 20598), (165, 20685), (191, 20799),

(216, 20925), (224, 20970), (234, 21039), (239, 21063), (242, 21075), (261, 21162), (277, 21237), (280, 21255), (286, 21288), (288, 21294), (291, 21309), (313, 21387), (314, 21390), (318, 21411), (356, 21636), (370, 21714), (371, 21717), (374, 21741), (376, 21747), (396, 21882), (400, 21900),

Gene: StorminNorm_34 Start: 29521, Stop: 31284, Start Num: 34
Candidate Starts for StorminNorm_34:
(Start: 34 @29521 has 86 MA's), (Start: 39 @29557 has 5 MA's), (83, 29686), (86, 29695), (102, 29791), (105, 29800), (114, 29869), (122, 29920), (129, 29965), (133, 29980), (135, 29998), (144, 30061), (154, 30106), (156, 30115), (179, 30226), (181, 30235), (185, 30250), (189, 30274), (194, 30304), (244, 30526), (248, 30544), (252, 30559), (260, 30601), (261, 30604), (267, 30631), (294, 30751), (315, 30814), (346, 30955), (347, 30958), (355, 31006), (361, 31033), (365, 31060), (374, 31114), (380, 31141),

Gene: StrongArm_26 Start: 22101, Stop: 23903, Start Num: 52
Candidate Starts for StrongArm_26:
(Start: 52 @22101 has 230 MA's), (Start: 61 @22122 has 6 MA's), (Start: 71 @22164 has 1 MA's), (85, 22209), (122, 22425), (129, 22470), (132, 22479), (138, 22518), (144, 22569), (145, 22572), (187, 22767), (200, 22836), (234, 23037), (235, 23040), (239, 23061), (260, 23157), (261, 23160), (263, 23166), (277, 23235), (280, 23253), (282, 23262), (288, 23292), (314, 23388), (319, 23421), (322, 23436), (327, 23466), (346, 23577), (356, 23634), (376, 23745),

Gene: Strosahl_30 Start: 19057, Stop: 20844, Start Num: 50
Candidate Starts for Strosahl_30:
(32, 18991), (Start: 41 @19033 has 10 MA's), (Start: 50 @19057 has 603 MA's), (92, 19195), (102, 19252), (110, 19294), (117, 19330), (122, 19369), (134, 19438), (138, 19462), (145, 19516), (176, 19666), (187, 19711), (191, 19741), (199, 19777), (207, 19828), (215, 19864), (224, 19912), (232, 19972), (260, 20101), (277, 20179), (322, 20380), (323, 20386), (339, 20482), (368, 20647), (384, 20746),

Gene: Stultus_33 Start: 29892, Stop: 31655, Start Num: 34
Candidate Starts for Stultus_33:
(31, 29874), (Start: 34 @29892 has 86 MA's), (Start: 39 @29928 has 5 MA's), (86, 30066), (102, 30162), (105, 30171), (114, 30240), (122, 30291), (129, 30336), (133, 30351), (144, 30432), (154, 30477), (156, 30486), (175, 30576), (181, 30606), (185, 30621), (189, 30645), (194, 30675), (244, 30897), (248, 30915), (252, 30930), (257, 30960), (260, 30972), (261, 30975), (267, 31002), (346, 31326), (347, 31329), (355, 31377), (361, 31404), (365, 31431), (374, 31485), (380, 31512), (398, 31641),

Gene: Sultana_27 Start: 19828, Stop: 21606, Start Num: 50
Candidate Starts for Sultana_27:
(Start: 41 @19804 has 10 MA's), (Start: 50 @19828 has 603 MA's), (Start: 71 @19885 has 1 MA's), (87, 19939), (88, 19954), (92, 19972), (107, 20056), (109, 20068), (110, 20071), (122, 20146), (125, 20161), (132, 20200), (148, 20317), (165, 20404), (185, 20485), (195, 20533), (200, 20557), (216, 20644), (224, 20689), (235, 20761), (239, 20782), (244, 20800), (261, 20881), (280, 20974), (282, 20983), (286, 21007), (288, 21013), (295, 21037), (314, 21091), (318, 21112), (326, 21163), (330, 21187), (339, 21241), (356, 21337), (374, 21442), (377, 21457), (393, 21565), (396, 21583),

Gene: Sumter_26 Start: 20650, Stop: 22452, Start Num: 52
Candidate Starts for Sumter_26:
(Start: 52 @20650 has 230 MA's), (Start: 61 @20671 has 6 MA's), (Start: 71 @20713 has 1 MA's), (85, 20758), (122, 20974), (129, 21019), (132, 21028), (144, 21118), (145, 21121), (187, 21316), (200, 21385), (234, 21586), (235, 21589), (239, 21610), (260, 21706), (261, 21709), (263, 21715), (277, 21784), (280, 21802), (282, 21811), (288, 21841), (314, 21937), (319, 21970), (322, 21985), (346,

22126), (356, 22183), (376, 22294),

Gene: Sunhee_28 Start: 19447, Stop: 21246, Start Num: 50
Candidate Starts for Sunhee_28:
(Start: 48 @19444 has 8 MA's), (Start: 50 @19447 has 603 MA's), (96, 19600), (105, 19651), (110, 19684), (121, 19756), (122, 19759), (132, 19813), (133, 19819), (148, 19930), (150, 19936), (159, 19975), (161, 19984), (165, 20017), (183, 20092), (185, 20098), (187, 20101), (197, 20161), (217, 20263), (221, 20290), (230, 20350), (235, 20374), (244, 20413), (257, 20479), (261, 20494), (307, 20692), (312, 20719), (319, 20764), (322, 20779), (323, 20785), (338, 20878), (341, 20893), (374, 21082), (376, 21088), (377, 21097), (382, 21133), (397, 21229),

Gene: Sunshine924_26 Start: 20656, Stop: 22458, Start Num: 52
Candidate Starts for Sunshine924_26:
(Start: 52 @20656 has 230 MA's), (Start: 61 @20677 has 6 MA's), (Start: 71 @20719 has 1 MA's), (85, 20764), (122, 20980), (129, 21025), (132, 21034), (138, 21073), (144, 21124), (145, 21127), (187, 21322), (200, 21391), (234, 21592), (235, 21595), (239, 21616), (260, 21712), (261, 21715), (263, 21721), (277, 21790), (280, 21808), (282, 21817), (288, 21847), (314, 21943), (319, 21976), (322, 21991), (346, 22132), (356, 22189), (376, 22300), (400, 22453),

Gene: SuperAwesome_31 Start: 19969, Stop: 21741, Start Num: 50
Candidate Starts for SuperAwesome_31:
(32, 19903), (Start: 41 @19945 has 10 MA's), (Start: 50 @19969 has 603 MA's), (103, 20167), (110, 20206), (121, 20278), (122, 20281), (126, 20299), (132, 20335), (133, 20341), (148, 20452), (150, 20458), (159, 20497), (165, 20539), (176, 20578), (185, 20620), (187, 20623), (197, 20683), (240, 20920), (244, 20935), (261, 21016), (288, 21148), (322, 21274), (331, 21325), (333, 21334), (338, 21373), (339, 21376), (341, 21388), (356, 21472), (374, 21577), (376, 21583), (396, 21718),

Gene: SuperCallie99_31 Start: 19968, Stop: 21740, Start Num: 50
Candidate Starts for SuperCallie99_31:
(32, 19902), (Start: 41 @19944 has 10 MA's), (Start: 50 @19968 has 603 MA's), (103, 20166), (110, 20205), (121, 20277), (122, 20280), (126, 20298), (132, 20334), (133, 20340), (148, 20451), (150, 20457), (159, 20496), (165, 20538), (176, 20577), (185, 20619), (187, 20622), (197, 20682), (240, 20919), (244, 20934), (261, 21015), (288, 21147), (322, 21273), (331, 21324), (333, 21333), (338, 21372), (339, 21375), (341, 21387), (356, 21471), (374, 21576), (376, 21582), (396, 21717),

Gene: Superchunk_27 Start: 18835, Stop: 20625, Start Num: 50
Candidate Starts for Superchunk_27:
(32, 18769), (Start: 41 @18811 has 10 MA's), (Start: 50 @18835 has 603 MA's), (Start: 61 @18844 has 6 MA's), (96, 18988), (109, 19069), (110, 19072), (121, 19144), (122, 19147), (125, 19162), (132, 19201), (133, 19207), (148, 19318), (150, 19324), (157, 19351), (165, 19405), (185, 19486), (187, 19489), (216, 19645), (220, 19675), (234, 19759), (244, 19801), (255, 19852), (261, 19882), (286, 20008), (302, 20062), (311, 20089), (312, 20098), (314, 20110), (319, 20143), (322, 20158), (326, 20182), (338, 20257), (339, 20260), (341, 20272), (356, 20356), (374, 20461), (382, 20512), (383, 20521), (396, 20602),

Gene: Survivors_20 Start: 16559, Stop: 18253, Start Num: 49
Candidate Starts for Survivors_20:
(17, 16235), (Start: 49 @16559 has 37 MA's), (115, 16844), (116, 16847), (122, 16892), (125, 16907), (138, 16985), (143, 17030), (162, 17132), (166, 17153), (171, 17165), (172, 17177), (174, 17180), (186, 17237), (191, 17270), (195, 17285), (206, 17351), (222, 17393), (224, 17402), (229, 17447), (242, 17510), (260, 17591), (265, 17609), (267, 17618), (269, 17627), (280, 17684), (282, 17693), (322, 17825), (332, 17852), (336, 17873), (345, 17924), (346, 17927), (364, 18023), (367, 18050), (369, 18059), (370, 18062), (376, 18092), (379, 18110), (385, 18155), (399, 18245),

Gene: Swann_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for Swann_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: SweetiePie_28 Start: 20118, Stop: 21890, Start Num: 50
Candidate Starts for SweetiePie_28:
(32, 20052), (Start: 41 @20094 has 10 MA's), (Start: 50 @20118 has 603 MA's), (86, 20217), (100, 20301), (109, 20352), (110, 20355), (121, 20427), (122, 20430), (132, 20484), (138, 20523), (143, 20568), (148, 20601), (165, 20688), (185, 20769), (187, 20772), (235, 21045), (261, 21165), (286, 21291), (309, 21345), (319, 21408), (322, 21423), (323, 21429), (333, 21483), (338, 21522), (341, 21537), (356, 21621), (376, 21732), (396, 21867),

Gene: SwirlSquare_29 Start: 18998, Stop: 20788, Start Num: 50
Candidate Starts for SwirlSquare_29:
(32, 18932), (Start: 41 @18974 has 10 MA's), (Start: 50 @18998 has 603 MA's), (109, 19232), (110, 19235), (121, 19307), (122, 19310), (125, 19325), (150, 19487), (154, 19499), (165, 19568), (180, 19628), (185, 19649), (187, 19652), (216, 19808), (220, 19838), (234, 19922), (255, 20015), (261, 20045), (286, 20171), (314, 20273), (319, 20306), (322, 20321), (338, 20420), (339, 20423), (341, 20435), (356, 20519), (374, 20624), (383, 20684), (396, 20765),

Gene: Swirley_24 Start: 19634, Stop: 21430, Start Num: 50
Candidate Starts for Swirley_24:
(Start: 50 @19634 has 603 MA's), (87, 19739), (92, 19772), (110, 19871), (122, 19946), (125, 19961), (131, 19997), (141, 20069), (143, 20084), (150, 20123), (191, 20318), (197, 20348), (199, 20354), (224, 20489), (231, 20546), (232, 20549), (234, 20558), (244, 20600), (249, 20618), (260, 20678), (261, 20681), (280, 20774), (282, 20783), (286, 20807), (313, 20915), (319, 20951), (356, 21161), (373, 21263), (376, 21272), (392, 21386), (396, 21407), (398, 21416),

Gene: SwissCheese_28 Start: 21594, Stop: 23396, Start Num: 52
Candidate Starts for SwissCheese_28:
(Start: 52 @21594 has 230 MA's), (Start: 61 @21615 has 6 MA's), (Start: 71 @21657 has 1 MA's), (85, 21702), (122, 21918), (129, 21963), (132, 21972), (138, 22011), (144, 22062), (145, 22065), (187, 22260), (200, 22329), (234, 22530), (235, 22533), (239, 22554), (260, 22650), (261, 22653), (263, 22659), (277, 22728), (280, 22746), (282, 22755), (288, 22785), (314, 22881), (319, 22914), (322, 22929), (327, 22959), (346, 23070), (356, 23127), (376, 23238),

Gene: Switzer_28 Start: 21233, Stop: 23035, Start Num: 52
Candidate Starts for Switzer_28:
(Start: 52 @21233 has 230 MA's), (Start: 61 @21254 has 6 MA's), (Start: 71 @21296 has 1 MA's), (85, 21341), (122, 21557), (129, 21602), (132, 21611), (138, 21650), (144, 21701), (145, 21704), (187, 21899), (200, 21968), (234, 22169), (235, 22172), (239, 22193), (260, 22289), (261, 22292), (263, 22298), (277, 22367), (280, 22385), (282, 22394), (288, 22424), (314, 22520), (319, 22553), (322, 22568), (346, 22709), (356, 22766), (376, 22877), (400, 23030),

Gene: Switzerland_30 Start: 19208, Stop: 20995, Start Num: 50
Candidate Starts for Switzerland_30:
(32, 19142), (Start: 41 @19184 has 10 MA's), (Start: 50 @19208 has 603 MA's), (92, 19346), (102, 19403), (110, 19445), (117, 19481), (122, 19520), (134, 19589), (138, 19613), (145, 19667), (176,

19817), (187, 19862), (191, 19892), (199, 19928), (207, 19979), (215, 20015), (224, 20063), (232, 20123), (260, 20252), (277, 20330), (322, 20531), (323, 20537), (339, 20633), (368, 20798), (384, 20897),

Gene: Swole_29 Start: 21585, Stop: 23387, Start Num: 52
Candidate Starts for Swole_29:
(Start: 52 @21585 has 230 MA's), (Start: 61 @21606 has 6 MA's), (Start: 71 @21648 has 1 MA's), (85, 21693), (122, 21909), (129, 21954), (132, 21963), (138, 22002), (144, 22053), (145, 22056), (187, 22251), (200, 22320), (234, 22521), (235, 22524), (239, 22545), (260, 22641), (261, 22644), (263, 22650), (277, 22719), (280, 22737), (282, 22746), (288, 22776), (314, 22872), (319, 22905), (322, 22920), (346, 23061), (356, 23118), (376, 23229),

Gene: SydNat_24 Start: 19916, Stop: 21715, Start Num: 50
Candidate Starts for SydNat_24:
(Start: 50 @19916 has 603 MA's), (92, 20054), (110, 20153), (122, 20228), (131, 20279), (141, 20351), (143, 20366), (148, 20399), (150, 20405), (169, 20498), (191, 20600), (197, 20630), (199, 20636), (216, 20726), (220, 20756), (234, 20840), (235, 20843), (244, 20882), (249, 20900), (260, 20960), (261, 20963), (280, 21056), (313, 21197), (321, 21239), (376, 21557), (396, 21692), (398, 21701),

Gene: TNguyen7_27 Start: 19874, Stop: 21670, Start Num: 50
Candidate Starts for TNguyen7_27:
(Start: 50 @19874 has 603 MA's), (Start: 71 @19931 has 1 MA's), (88, 20000), (107, 20102), (109, 20114), (110, 20117), (122, 20192), (125, 20207), (132, 20246), (154, 20381), (165, 20450), (191, 20564), (216, 20690), (234, 20804), (239, 20828), (244, 20846), (261, 20927), (277, 21002), (280, 21020), (282, 21029), (286, 21053), (288, 21059), (291, 21074), (304, 21107), (313, 21152), (314, 21155), (318, 21176), (319, 21188), (330, 21251), (356, 21401), (374, 21506), (376, 21512), (396, 21647),

Gene: TWAMP_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for TWAMP_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Tailonex_24 Start: 20532, Stop: 22169, Start Num: 64
Candidate Starts for Tailonex_24:
(Start: 60 @20517 has 3 MA's), (Start: 64 @20532 has 32 MA's), (72, 20562), (109, 20745), (110, 20748), (136, 20913), (137, 20916), (145, 20970), (148, 20994), (157, 21027), (171, 21093), (197, 21219), (220, 21294), (243, 21420), (255, 21483), (261, 21513), (262, 21516), (280, 21606), (318, 21720), (319, 21732), (321, 21738), (349, 21858), (350, 21861), (356, 21906), (372, 21993), (374, 22008), (376, 22014), (377, 22023),

Gene: Takoda_23 Start: 16309, Stop: 17934, Start Num: 64
Candidate Starts for Takoda_23:
(Start: 60 @16294 has 3 MA's), (Start: 64 @16309 has 32 MA's), (83, 16378), (90, 16414), (113, 16555), (122, 16600), (142, 16729), (148, 16771), (154, 16789), (156, 16798), (Start: 160 @16822 has 1 MA's), (162, 16840), (171, 16870), (174, 16885), (175, 16888), (183, 16927), (187, 16936), (230, 17137), (260, 17275), (277, 17353), (283, 17392), (286, 17404), (309, 17434), (322, 17512), (354, 17659), (372, 17758), (374, 17773), (399, 17926),

Gene: Tangent_35 Start: 30329, Stop: 32092, Start Num: 34

Candidate Starts for Tangent_35:
(31, 30311), (Start: 34 @30329 has 86 MA's), (Start: 39 @30365 has 5 MA's), (86, 30503), (102, 30599), (105, 30608), (114, 30677), (122, 30728), (129, 30773), (133, 30788), (144, 30869), (154, 30914), (156, 30923), (162, 30962), (175, 31013), (181, 31043), (185, 31058), (189, 31082), (194, 31112), (223, 31217), (244, 31334), (248, 31352), (252, 31367), (257, 31397), (260, 31409), (261, 31412), (267, 31439), (346, 31763), (347, 31766), (355, 31814), (361, 31841), (365, 31868), (374, 31922), (379, 31946), (380, 31949), (390, 32039), (400, 32087),

Gene: Tangerine_34 Start: 29524, Stop: 31287, Start Num: 34
Candidate Starts for Tangerine_34:
(Start: 34 @29524 has 86 MA's), (Start: 39 @29560 has 5 MA's), (83, 29689), (86, 29698), (102, 29794), (105, 29803), (114, 29872), (122, 29923), (123, 29932), (129, 29968), (133, 29983), (135, 30001), (144, 30064), (154, 30109), (156, 30118), (179, 30229), (181, 30238), (185, 30253), (189, 30277), (194, 30307), (244, 30529), (248, 30547), (252, 30562), (260, 30604), (267, 30634), (294, 30754), (321, 30847), (346, 30958), (347, 30961), (355, 31009), (361, 31036), (365, 31063), (374, 31117),

Gene: Taotie_17 Start: 18420, Stop: 20066, Start Num: 62
Candidate Starts for Taotie_17:
(Start: 62 @18420 has 2 MA's), (110, 18645), (118, 18687), (150, 18897), (173, 19008), (189, 19074), (198, 19125), (221, 19200), (261, 19404), (267, 19431), (276, 19476), (287, 19533), (321, 19629), (348, 19746), (390, 20010), (395, 20031), (400, 20058),

Gene: Taquarus_27 Start: 19830, Stop: 21608, Start Num: 50
Candidate Starts for Taquarus_27:
(Start: 41 @19806 has 10 MA's), (Start: 50 @19830 has 603 MA's), (Start: 71 @19887 has 1 MA's), (87, 19941), (88, 19956), (92, 19974), (107, 20058), (109, 20070), (110, 20073), (122, 20148), (125, 20163), (132, 20202), (148, 20319), (165, 20406), (185, 20487), (195, 20535), (200, 20559), (216, 20646), (224, 20691), (235, 20763), (239, 20784), (244, 20802), (261, 20883), (280, 20976), (282, 20985), (286, 21009), (288, 21015), (295, 21039), (314, 21093), (318, 21114), (326, 21165), (330, 21189), (339, 21243), (356, 21339), (374, 21444), (377, 21459), (393, 21567), (396, 21585),

Gene: Target_30 Start: 22616, Stop: 24418, Start Num: 52
Candidate Starts for Target_30:
(Start: 52 @22616 has 230 MA's), (Start: 61 @22637 has 6 MA's), (Start: 71 @22679 has 1 MA's), (85, 22724), (122, 22940), (129, 22985), (132, 22994), (138, 23033), (144, 23084), (145, 23087), (187, 23282), (200, 23351), (234, 23552), (235, 23555), (239, 23576), (260, 23672), (261, 23675), (263, 23681), (277, 23750), (280, 23768), (282, 23777), (288, 23807), (314, 23903), (319, 23936), (322, 23951), (346, 24092), (356, 24149), (376, 24260),

Gene: TaronosaurasRx_19 Start: 16979, Stop: 18709, Start Num: 45
Candidate Starts for TaronosaurasRx_19:
(18, 16667), (26, 16862), (37, 16946), (Start: 39 @16958 has 5 MA's), (Start: 45 @16979 has 6 MA's), (107, 17216), (112, 17249), (144, 17462), (159, 17534), (165, 17576), (176, 17615), (181, 17642), (186, 17666), (193, 17708), (199, 17735), (200, 17738), (218, 17792), (219, 17798), (231, 17885), (296, 18176), (297, 18179), (316, 18245), (320, 18269), (323, 18287), (346, 18383), (351, 18401), (370, 18518), (377, 18557), (378, 18560), (381, 18572), (388, 18647), (394, 18674),

Gene: TarsusIV_28 Start: 20208, Stop: 21980, Start Num: 50
Candidate Starts for TarsusIV_28:
(32, 20142), (Start: 41 @20184 has 10 MA's), (Start: 50 @20208 has 603 MA's), (91, 20343), (96, 20361), (109, 20442), (110, 20445), (121, 20517), (122, 20520), (132, 20574), (148, 20691), (165, 20778), (185, 20859), (187, 20862), (220, 21048), (235, 21135), (244, 21174), (261, 21255), (286,

21381), (288, 21387), (322, 21513), (323, 21519), (338, 21612), (341, 21627), (356, 21711), (376, 21822), (383, 21876),

Gene: Tarynearal_23 Start: 19656, Stop: 21452, Start Num: 50
Candidate Starts for Tarynearal_23:
(Start: 50 @19656 has 603 MA's), (87, 19761), (92, 19794), (110, 19893), (122, 19968), (125, 19983), (131, 20019), (141, 20091), (143, 20106), (150, 20145), (157, 20172), (161, 20193), (167, 20232), (197, 20370), (199, 20376), (224, 20511), (231, 20568), (232, 20571), (234, 20580), (244, 20622), (249, 20640), (260, 20700), (261, 20703), (280, 20796), (282, 20805), (286, 20829), (313, 20937), (319, 20973), (356, 21183), (373, 21285), (376, 21294), (392, 21408), (396, 21429), (398, 21438),

Gene: Tasp14_28 Start: 21346, Stop: 23148, Start Num: 52
Candidate Starts for Tasp14_28:
(Start: 52 @21346 has 230 MA's), (Start: 61 @21367 has 6 MA's), (Start: 71 @21409 has 1 MA's), (85, 21454), (122, 21670), (129, 21715), (132, 21724), (138, 21763), (144, 21814), (145, 21817), (162, 21910), (187, 22012), (200, 22081), (231, 22270), (234, 22282), (235, 22285), (239, 22306), (260, 22402), (261, 22405), (263, 22411), (277, 22480), (280, 22498), (282, 22507), (288, 22537), (314, 22633), (319, 22666), (322, 22681), (346, 22822), (356, 22879), (376, 22990),

Gene: Taurus_29 Start: 20378, Stop: 22174, Start Num: 50
Candidate Starts for Taurus_29:
(Start: 50 @20378 has 603 MA's), (Start: 71 @20435 has 1 MA's), (76, 20450), (86, 20483), (88, 20504), (91, 20519), (107, 20606), (109, 20618), (110, 20621), (122, 20696), (125, 20711), (131, 20747), (165, 20954), (191, 21068), (200, 21107), (216, 21194), (234, 21308), (239, 21332), (244, 21350), (261, 21431), (277, 21506), (280, 21524), (286, 21557), (288, 21563), (299, 21602), (313, 21656), (314, 21659), (318, 21680), (327, 21737), (356, 21905), (374, 22010), (376, 22016), (396, 22151),

Gene: Temprado_31 Start: 19977, Stop: 21749, Start Num: 50
Candidate Starts for Temprado_31:
(32, 19911), (Start: 41 @19953 has 10 MA's), (Start: 50 @19977 has 603 MA's), (110, 20214), (121, 20286), (122, 20289), (125, 20304), (132, 20343), (133, 20349), (148, 20460), (150, 20466), (159, 20505), (165, 20547), (176, 20586), (185, 20628), (187, 20631), (216, 20787), (240, 20928), (244, 20943), (288, 21156), (318, 21255), (322, 21282), (331, 21333), (333, 21342), (338, 21381), (339, 21384), (374, 21585), (376, 21591), (396, 21726),

Gene: Teodoridan_25 Start: 20467, Stop: 22269, Start Num: 52
Candidate Starts for Teodoridan_25:
(Start: 52 @20467 has 230 MA's), (Start: 61 @20488 has 6 MA's), (Start: 71 @20530 has 1 MA's), (85, 20575), (122, 20791), (129, 20836), (132, 20845), (138, 20884), (144, 20935), (145, 20938), (187, 21133), (200, 21202), (234, 21403), (235, 21406), (239, 21427), (260, 21523), (261, 21526), (263, 21532), (277, 21601), (280, 21619), (282, 21628), (288, 21658), (314, 21754), (319, 21787), (322, 21802), (346, 21943), (356, 22000), (376, 22111),

Gene: Terrific_30 Start: 20668, Stop: 22440, Start Num: 50
Candidate Starts for Terrific_30:
(Start: 41 @20644 has 10 MA's), (Start: 50 @20668 has 603 MA's), (91, 20803), (109, 20902), (110, 20905), (121, 20977), (122, 20980), (132, 21034), (133, 21040), (141, 21103), (148, 21151), (157, 21184), (165, 21238), (185, 21319), (187, 21322), (191, 21352), (220, 21508), (235, 21595), (261, 21715), (285, 21838), (286, 21841), (288, 21847), (309, 21895), (319, 21958), (322, 21973), (323, 21979), (333, 22033), (338, 22072), (341, 22087), (348, 22120), (355, 22165), (374, 22276), (376, 22282), (383, 22336),

Gene: Texage_27 Start: 20456, Stop: 22255, Start Num: 50
Candidate Starts for Texage_27:
(Start: 50 @20456 has 603 MA's), (Start: 71 @20516 has 1 MA's), (88, 20585), (107, 20687), (109, 20699), (110, 20702), (122, 20777), (125, 20792), (132, 20831), (154, 20966), (165, 21035), (191, 21149), (216, 21275), (234, 21389), (239, 21413), (242, 21425), (244, 21431), (261, 21512), (277, 21587), (280, 21605), (282, 21614), (286, 21638), (288, 21644), (291, 21659), (304, 21692), (313, 21737), (314, 21740), (318, 21761), (339, 21890), (356, 21986), (374, 22091), (376, 22097), (396, 22232),

Gene: Thanksgivukkah_27 Start: 19831, Stop: 21609, Start Num: 50
Candidate Starts for Thanksgivukkah_27:
(Start: 41 @19807 has 10 MA's), (Start: 50 @19831 has 603 MA's), (Start: 71 @19888 has 1 MA's), (87, 19942), (88, 19957), (92, 19975), (107, 20059), (109, 20071), (110, 20074), (122, 20149), (125, 20164), (132, 20203), (148, 20320), (165, 20407), (185, 20488), (195, 20536), (200, 20560), (216, 20647), (224, 20692), (235, 20764), (239, 20785), (244, 20803), (261, 20884), (280, 20977), (282, 20986), (286, 21010), (288, 21016), (295, 21040), (314, 21094), (318, 21115), (326, 21166), (330, 21190), (356, 21340), (374, 21445), (377, 21460), (393, 21568), (396, 21586),

Gene: Theia_22 Start: 19674, Stop: 21470, Start Num: 50
Candidate Starts for Theia_22:
(Start: 43 @19662 has 2 MA's), (Start: 50 @19674 has 603 MA's), (87, 19779), (92, 19812), (110, 19911), (122, 19986), (125, 20001), (131, 20037), (141, 20109), (143, 20124), (150, 20163), (191, 20358), (197, 20388), (199, 20394), (224, 20529), (231, 20586), (232, 20589), (234, 20598), (244, 20640), (249, 20658), (260, 20718), (261, 20721), (280, 20814), (282, 20823), (286, 20847), (313, 20955), (319, 20991), (356, 21201), (373, 21303), (376, 21312), (392, 21426), (396, 21447), (398, 21456),

Gene: TheloniousMonk_29 Start: 22760, Stop: 24562, Start Num: 52
Candidate Starts for TheloniousMonk_29:
(Start: 52 @22760 has 230 MA's), (Start: 61 @22781 has 6 MA's), (Start: 71 @22823 has 1 MA's), (85, 22868), (122, 23084), (129, 23129), (132, 23138), (138, 23177), (144, 23228), (145, 23231), (187, 23426), (200, 23495), (234, 23696), (235, 23699), (239, 23720), (260, 23816), (261, 23819), (263, 23825), (277, 23894), (280, 23912), (282, 23921), (288, 23951), (314, 24047), (319, 24080), (322, 24095), (346, 24236), (356, 24293), (376, 24404),

Gene: Thing3_34 Start: 30813, Stop: 32576, Start Num: 34
Candidate Starts for Thing3_34:
(31, 30795), (Start: 34 @30813 has 86 MA's), (Start: 39 @30849 has 5 MA's), (86, 30987), (102, 31083), (105, 31092), (114, 31161), (122, 31212), (129, 31257), (133, 31272), (144, 31353), (154, 31398), (156, 31407), (162, 31446), (175, 31497), (176, 31500), (181, 31527), (185, 31542), (189, 31566), (194, 31596), (223, 31701), (244, 31818), (248, 31836), (252, 31851), (257, 31881), (260, 31893), (261, 31896), (267, 31923), (346, 32247), (347, 32250), (355, 32298), (361, 32325), (365, 32352), (374, 32406), (380, 32433), (398, 32562),

Gene: Thor_27 Start: 21221, Stop: 23023, Start Num: 52
Candidate Starts for Thor_27:
(Start: 52 @21221 has 230 MA's), (Start: 61 @21242 has 6 MA's), (Start: 71 @21284 has 1 MA's), (85, 21329), (122, 21545), (129, 21590), (132, 21599), (144, 21689), (145, 21692), (162, 21785), (187, 21887), (200, 21956), (231, 22145), (234, 22157), (235, 22160), (239, 22181), (260, 22277), (261, 22280), (263, 22286), (277, 22355), (280, 22373), (282, 22382), (288, 22412), (314, 22508), (319, 22541), (322, 22556), (346, 22697), (356, 22754), (376, 22865), (400, 23018),

Gene: Tiffany_29 Start: 20273, Stop: 22069, Start Num: 50

Candidate Starts for Tiffany_29:
(Start: 50 @20273 has 603 MA's), (Start: 71 @20330 has 1 MA's), (76, 20345), (86, 20378), (88, 20399), (91, 20414), (107, 20501), (109, 20513), (110, 20516), (122, 20591), (125, 20606), (131, 20642), (165, 20849), (191, 20963), (200, 21002), (216, 21089), (234, 21203), (239, 21227), (244, 21245), (261, 21326), (277, 21401), (280, 21419), (286, 21452), (288, 21458), (299, 21497), (313, 21551), (314, 21554), (318, 21575), (327, 21632), (356, 21800), (374, 21905), (376, 21911), (396, 22046),

Gene: Tiger_24 Start: 19558, Stop: 21354, Start Num: 50
Candidate Starts for Tiger_24:
(Start: 50 @19558 has 603 MA's), (87, 19663), (92, 19696), (110, 19795), (122, 19870), (125, 19885), (131, 19921), (141, 19993), (143, 20008), (148, 20041), (150, 20047), (191, 20242), (197, 20272), (199, 20278), (224, 20413), (231, 20470), (232, 20473), (234, 20482), (244, 20524), (249, 20542), (260, 20602), (261, 20605), (280, 20698), (282, 20707), (286, 20731), (313, 20839), (319, 20875), (356, 21085), (373, 21187), (376, 21196), (392, 21310), (396, 21331), (398, 21340),

Gene: TillyBobJoe_31 Start: 25649, Stop: 27415, Start Num: 34
Candidate Starts for TillyBobJoe_31:
(28, 25607), (Start: 34 @25649 has 86 MA's), (Start: 39 @25685 has 5 MA's), (Start: 53 @25718 has 7 MA's), (104, 25928), (105, 25931), (109, 25961), (119, 26027), (122, 26051), (123, 26060), (128, 26093), (156, 26246), (162, 26285), (175, 26336), (177, 26348), (181, 26366), (184, 26378), (186, 26390), (189, 26405), (194, 26435), (195, 26438), (199, 26459), (221, 26531), (227, 26579), (252, 26690), (258, 26723), (268, 26765), (282, 26837), (300, 26903), (308, 26915), (346, 27086), (347, 27089), (355, 27137), (361, 27164), (365, 27191), (366, 27197), (374, 27245), (390, 27362), (395, 27383),

Gene: Timothy_28 Start: 20749, Stop: 22548, Start Num: 50
Candidate Starts for Timothy_28:
(32, 20683), (Start: 41 @20725 has 10 MA's), (Start: 50 @20749 has 603 MA's), (68, 20791), (92, 20887), (96, 20902), (109, 20983), (110, 20986), (122, 21061), (125, 21076), (132, 21115), (133, 21121), (148, 21232), (150, 21238), (165, 21319), (187, 21403), (209, 21529), (214, 21547), (219, 21574), (244, 21715), (257, 21781), (260, 21793), (261, 21796), (304, 21985), (311, 22012), (312, 22021), (315, 22042), (316, 22045), (319, 22066), (322, 22081), (326, 22105), (338, 22180), (341, 22195), (356, 22279), (374, 22384), (376, 22390), (383, 22444), (400, 22543),

Gene: Timshel_28 Start: 22851, Stop: 24653, Start Num: 50
Candidate Starts for Timshel_28:
(32, 22785), (Start: 41 @22827 has 10 MA's), (Start: 43 @22839 has 2 MA's), (Start: 50 @22851 has 603 MA's), (77, 22917), (109, 23082), (110, 23085), (122, 23160), (125, 23175), (150, 23337), (152, 23343), (165, 23418), (197, 23562), (221, 23688), (224, 23700), (234, 23769), (244, 23811), (260, 23907), (261, 23910), (265, 23925), (277, 23985), (280, 24003), (282, 24012), (286, 24036), (288, 24042), (313, 24135), (314, 24138), (319, 24171), (322, 24186), (328, 24222), (329, 24228), (343, 24315), (345, 24324), (371, 24465), (376, 24495), (377, 24504), (390, 24600), (399, 24645),

Gene: TinaFeyge_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for TinaFeyge_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: TinyPebbles_29 Start: 20465, Stop: 22261, Start Num: 50
Candidate Starts for TinyPebbles_29:
(Start: 50 @20465 has 603 MA's), (Start: 71 @20522 has 1 MA's), (76, 20537), (86, 20570), (88, 20591), (91, 20606), (107, 20693), (109, 20705), (110, 20708), (122, 20783), (125, 20798), (131, 20834), (165, 21041), (191, 21155), (200, 21194), (216, 21281), (234, 21395), (239, 21419), (244, 21437), (261, 21518), (277, 21593), (280, 21611), (286, 21644), (288, 21650), (299, 21689), (313, 21743), (314, 21746), (318, 21767), (327, 21824), (356, 21992), (374, 22097), (376, 22103), (396, 22238),

Gene: TinyTimmy_28 Start: 20792, Stop: 22591, Start Num: 50
Candidate Starts for TinyTimmy_28:
(32, 20726), (Start: 41 @20768 has 10 MA's), (Start: 50 @20792 has 603 MA's), (68, 20834), (92, 20930), (96, 20945), (109, 21026), (110, 21029), (122, 21104), (125, 21119), (132, 21158), (133, 21164), (139, 21215), (148, 21275), (150, 21281), (165, 21362), (187, 21446), (209, 21572), (214, 21590), (219, 21617), (244, 21758), (257, 21824), (260, 21836), (261, 21839), (285, 21962), (304, 22028), (311, 22055), (315, 22085), (316, 22088), (319, 22109), (322, 22124), (326, 22148), (338, 22223), (341, 22238), (356, 22322), (374, 22427), (376, 22433), (383, 22487), (400, 22586),

Gene: Tinybot_26 Start: 19804, Stop: 21585, Start Num: 50
Candidate Starts for Tinybot_26:
(Start: 41 @19780 has 10 MA's), (Start: 50 @19804 has 603 MA's), (Start: 54 @19810 has 3 MA's), (Start: 71 @19864 has 1 MA's), (76, 19879), (88, 19933), (92, 19951), (107, 20035), (109, 20047), (110, 20050), (122, 20125), (125, 20140), (132, 20179), (148, 20296), (165, 20383), (185, 20464), (195, 20512), (200, 20536), (216, 20623), (224, 20668), (235, 20740), (239, 20761), (244, 20779), (261, 20860), (280, 20953), (282, 20962), (286, 20986), (288, 20992), (295, 21016), (314, 21070), (318, 21091), (326, 21142), (330, 21166), (356, 21316), (374, 21421), (377, 21436), (393, 21544), (396, 21562),

Gene: TipsytheTRex_27 Start: 19306, Stop: 21096, Start Num: 50
Candidate Starts for TipsytheTRex_27:
(32, 19240), (Start: 41 @19282 has 10 MA's), (Start: 50 @19306 has 603 MA's), (96, 19459), (109, 19540), (110, 19543), (121, 19615), (122, 19618), (125, 19633), (132, 19672), (133, 19678), (143, 19756), (148, 19789), (150, 19795), (159, 19834), (165, 19876), (183, 19951), (185, 19957), (187, 19960), (197, 20020), (220, 20146), (234, 20230), (244, 20272), (255, 20323), (261, 20353), (286, 20479), (307, 20542), (319, 20614), (322, 20629), (326, 20653), (338, 20728), (341, 20743), (356, 20827), (374, 20932), (376, 20938), (382, 20983), (383, 20992),

Gene: TiroTheta9_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for TiroTheta9_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Toaka_27 Start: 19911, Stop: 21698, Start Num: 50
Candidate Starts for Toaka_27:
(32, 19845), (Start: 41 @19887 has 10 MA's), (Start: 50 @19911 has 603 MA's), (109, 20145), (110, 20148), (121, 20220), (122, 20223), (132, 20277), (133, 20283), (148, 20394), (150, 20400), (165, 20481), (185, 20562), (187, 20565), (197, 20625), (200, 20634), (230, 20814), (235, 20838), (244, 20877), (255, 20928), (261, 20958), (299, 21129), (314, 21186), (315, 21195), (322, 21234), (326, 21258), (338, 21333), (348, 21378), (356, 21429), (367, 21495), (374, 21534), (376, 21540), (382,

21585), (389, 21642),

Gene: Todacoro_28 Start: 20455, Stop: 22254, Start Num: 50
Candidate Starts for Todacoro_28:
(Start: 50 @20455 has 603 MA's), (Start: 71 @20515 has 1 MA's), (88, 20584), (107, 20686), (109, 20698), (110, 20701), (122, 20776), (125, 20791), (132, 20830), (154, 20965), (165, 21034), (191, 21148), (216, 21274), (234, 21388), (239, 21412), (242, 21424), (244, 21430), (261, 21511), (277, 21586), (280, 21604), (282, 21613), (286, 21637), (288, 21643), (291, 21658), (304, 21691), (313, 21736), (314, 21739), (318, 21760), (339, 21889), (356, 21985), (374, 22090), (376, 22096), (396, 22231),

Gene: Togo_31 Start: 25850, Stop: 27616, Start Num: 34
Candidate Starts for Togo_31:
(28, 25808), (Start: 34 @25850 has 86 MA's), (Start: 39 @25886 has 5 MA's), (Start: 53 @25919 has 7 MA's), (104, 26129), (105, 26132), (109, 26162), (119, 26228), (122, 26252), (123, 26261), (128, 26294), (156, 26447), (162, 26486), (175, 26537), (177, 26549), (181, 26567), (184, 26579), (186, 26591), (189, 26606), (194, 26636), (195, 26639), (199, 26660), (221, 26732), (227, 26780), (252, 26891), (258, 26924), (267, 26963), (268, 26966), (282, 27038), (300, 27104), (308, 27116), (346, 27287), (347, 27290), (355, 27338), (361, 27365), (365, 27392), (366, 27398), (374, 27446), (390, 27563), (395, 27584), (400, 27611),

Gene: Tomathan_31 Start: 20049, Stop: 21839, Start Num: 50
Candidate Starts for Tomathan_31:
(32, 19983), (Start: 41 @20025 has 10 MA's), (Start: 50 @20049 has 603 MA's), (109, 20283), (110, 20286), (121, 20358), (122, 20361), (125, 20376), (132, 20415), (133, 20421), (148, 20532), (154, 20550), (165, 20619), (185, 20700), (187, 20703), (216, 20859), (220, 20889), (261, 21096), (286, 21222), (314, 21324), (319, 21357), (322, 21372), (326, 21396), (338, 21471), (339, 21474), (341, 21486), (356, 21570), (370, 21648), (374, 21675), (376, 21681), (382, 21726), (383, 21735), (396, 21816),

Gene: ToneTone_29 Start: 19903, Stop: 21675, Start Num: 50
Candidate Starts for ToneTone_29:
(32, 19837), (Start: 41 @19879 has 10 MA's), (Start: 50 @19903 has 603 MA's), (110, 20140), (121, 20212), (122, 20215), (125, 20230), (132, 20269), (133, 20275), (148, 20386), (150, 20392), (159, 20431), (165, 20473), (176, 20512), (185, 20554), (187, 20557), (216, 20713), (240, 20854), (244, 20869), (288, 21082), (318, 21181), (322, 21208), (331, 21259), (333, 21268), (338, 21307), (341, 21322), (356, 21406), (374, 21511), (376, 21517), (396, 21652),

Gene: Topanga_27 Start: 19924, Stop: 21702, Start Num: 50
Candidate Starts for Topanga_27:
(Start: 50 @19924 has 603 MA's), (Start: 71 @19981 has 1 MA's), (76, 19996), (86, 20029), (88, 20050), (107, 20152), (109, 20164), (110, 20167), (122, 20242), (125, 20257), (132, 20296), (148, 20413), (154, 20431), (165, 20500), (183, 20575), (191, 20614), (200, 20653), (216, 20740), (224, 20785), (234, 20854), (239, 20878), (242, 20890), (244, 20896), (261, 20977), (280, 21070), (282, 21079), (286, 21103), (288, 21109), (291, 21124), (309, 21157), (318, 21208), (321, 21226), (343, 21364), (346, 21376), (356, 21433), (362, 21457), (363, 21463), (374, 21538), (376, 21544), (377, 21553), (384, 21604), (396, 21679),

Gene: Topgun_27 Start: 20974, Stop: 22776, Start Num: 52
Candidate Starts for Topgun_27:
(Start: 52 @20974 has 230 MA's), (Start: 61 @20995 has 6 MA's), (Start: 71 @21037 has 1 MA's), (85, 21082), (122, 21298), (129, 21343), (132, 21352), (144, 21442), (145, 21445), (187, 21640), (200, 21709), (231, 21898), (234, 21910), (235, 21913), (239, 21934), (260, 22030), (261, 22033), (263,

22039), (277, 22108), (280, 22126), (282, 22135), (288, 22165), (314, 22261), (319, 22294), (322, 22309), (327, 22339), (346, 22450), (356, 22507), (376, 22618),

Gene: Toro_30 Start: 22924, Stop: 24726, Start Num: 50
Candidate Starts for Toro_30:
(Start: 43 @22912 has 2 MA's), (Start: 50 @22924 has 603 MA's), (Start: 71 @22972 has 1 MA's), (77, 22990), (109, 23155), (110, 23158), (122, 23233), (125, 23248), (132, 23287), (150, 23410), (152, 23416), (159, 23449), (165, 23491), (197, 23635), (221, 23761), (234, 23842), (244, 23884), (254, 23932), (260, 23980), (261, 23983), (277, 24058), (280, 24076), (282, 24085), (286, 24109), (288, 24115), (313, 24208), (314, 24211), (319, 24244), (322, 24259), (346, 24400), (371, 24538), (374, 24562), (376, 24568), (390, 24673),

Gene: Tote_29 Start: 21585, Stop: 23387, Start Num: 52
Candidate Starts for Tote_29:
(Start: 52 @21585 has 230 MA's), (Start: 61 @21606 has 6 MA's), (Start: 71 @21648 has 1 MA's), (85, 21693), (122, 21909), (129, 21954), (132, 21963), (138, 22002), (144, 22053), (145, 22056), (187, 22251), (200, 22320), (234, 22521), (235, 22524), (239, 22545), (260, 22641), (261, 22644), (263, 22650), (277, 22719), (280, 22737), (282, 22746), (288, 22776), (314, 22872), (319, 22905), (322, 22920), (346, 23061), (356, 23118), (376, 23229),

Gene: TouchMeNot_19 Start: 17425, Stop: 19089, Start Num: 52
Candidate Starts for TouchMeNot_19:
(Start: 52 @17425 has 230 MA's), (Start: 64 @17458 has 32 MA's), (118, 17716), (129, 17794), (147, 17917), (150, 17926), (151, 17929), (154, 17938), (156, 17947), (187, 18088), (189, 18100), (199, 18154), (229, 18289), (238, 18322), (241, 18340), (244, 18352), (249, 18367), (260, 18427), (266, 18448), (267, 18457), (280, 18523), (286, 18556), (309, 18586), (310, 18592), (311, 18595), (322, 18664), (345, 18763), (348, 18772), (375, 18928), (377, 18940),

Gene: Traft412_29 Start: 22064, Stop: 23866, Start Num: 52
Candidate Starts for Traft412_29:
(Start: 52 @22064 has 230 MA's), (Start: 61 @22085 has 6 MA's), (Start: 71 @22127 has 1 MA's), (85, 22172), (122, 22388), (129, 22433), (132, 22442), (138, 22481), (144, 22532), (145, 22535), (187, 22730), (200, 22799), (234, 23000), (235, 23003), (239, 23024), (260, 23120), (261, 23123), (263, 23129), (277, 23198), (280, 23216), (282, 23225), (288, 23255), (314, 23351), (319, 23384), (322, 23399), (346, 23540), (356, 23597), (376, 23708), (400, 23861),

Gene: Travvers_31 Start: 20049, Stop: 21839, Start Num: 50
Candidate Starts for Travvers_31:
(32, 19983), (Start: 41 @20025 has 10 MA's), (Start: 50 @20049 has 603 MA's), (109, 20283), (110, 20286), (121, 20358), (122, 20361), (125, 20376), (132, 20415), (133, 20421), (148, 20532), (154, 20550), (165, 20619), (185, 20700), (187, 20703), (216, 20859), (220, 20889), (261, 21096), (286, 21222), (314, 21324), (319, 21357), (322, 21372), (326, 21396), (338, 21471), (339, 21474), (341, 21486), (356, 21570), (370, 21648), (374, 21675), (376, 21681), (382, 21726), (383, 21735), (396, 21816),

Gene: Treddle_29 Start: 22354, Stop: 24156, Start Num: 52
Candidate Starts for Treddle_29:
(Start: 52 @22354 has 230 MA's), (Start: 61 @22375 has 6 MA's), (Start: 71 @22417 has 1 MA's), (85, 22462), (122, 22678), (129, 22723), (132, 22732), (138, 22771), (144, 22822), (145, 22825), (162, 22918), (187, 23020), (200, 23089), (234, 23290), (235, 23293), (239, 23314), (260, 23410), (261, 23413), (263, 23419), (277, 23488), (280, 23506), (282, 23515), (288, 23545), (314, 23641), (319, 23674), (322, 23689), (346, 23830), (356, 23887), (376, 23998),

Gene: Trike_25 Start: 17896, Stop: 19674, Start Num: 50
Candidate Starts for Trike_25:
(Start: 41 @17872 has 10 MA's), (Start: 50 @17896 has 603 MA's), (Start: 71 @17953 has 1 MA's), (76, 17968), (88, 18022), (109, 18136), (110, 18139), (122, 18214), (127, 18253), (148, 18385), (165, 18472), (183, 18547), (191, 18586), (200, 18625), (216, 18712), (224, 18757), (234, 18826), (239, 18850), (242, 18862), (244, 18868), (280, 19042), (282, 19051), (286, 19075), (288, 19081), (291, 19096), (309, 19129), (318, 19180), (327, 19237), (328, 19243), (356, 19405), (374, 19510), (376, 19516), (377, 19525), (396, 19651),

Gene: Tripl3t_28 Start: 21973, Stop: 23775, Start Num: 52
Candidate Starts for Tripl3t_28:
(Start: 52 @21973 has 230 MA's), (Start: 61 @21994 has 6 MA's), (Start: 71 @22036 has 1 MA's), (85, 22081), (122, 22297), (129, 22342), (132, 22351), (138, 22390), (144, 22441), (145, 22444), (187, 22639), (200, 22708), (234, 22909), (235, 22912), (239, 22933), (260, 23029), (261, 23032), (263, 23038), (277, 23107), (280, 23125), (282, 23134), (288, 23164), (314, 23260), (319, 23293), (322, 23308), (346, 23449), (356, 23506), (376, 23617),

Gene: Tristan_29 Start: 21808, Stop: 23580, Start Num: 50
Candidate Starts for Tristan_29:
(Start: 41 @21784 has 10 MA's), (Start: 50 @21808 has 603 MA's), (91, 21943), (96, 21961), (109, 22042), (110, 22045), (121, 22117), (122, 22120), (139, 22231), (143, 22258), (148, 22291), (159, 22336), (165, 22378), (187, 22462), (216, 22618), (221, 22651), (257, 22840), (261, 22855), (286, 22981), (288, 22987), (309, 23035), (319, 23098), (322, 23113), (323, 23119), (333, 23173), (338, 23212), (341, 23227), (356, 23311), (374, 23416), (376, 23422), (379, 23440), (382, 23467),

Gene: Trixie_31 Start: 21855, Stop: 23627, Start Num: 50
Candidate Starts for Trixie_31:
(32, 21789), (Start: 41 @21831 has 10 MA's), (Start: 50 @21855 has 603 MA's), (100, 22038), (109, 22089), (110, 22092), (121, 22164), (122, 22167), (132, 22221), (133, 22227), (138, 22260), (143, 22305), (148, 22338), (165, 22425), (185, 22506), (187, 22509), (191, 22539), (220, 22695), (234, 22779), (235, 22782), (244, 22821), (257, 22887), (261, 22902), (288, 23034), (309, 23082), (314, 23112), (322, 23160), (323, 23166), (333, 23220), (341, 23274), (356, 23358), (367, 23424), (370, 23436), (374, 23463), (376, 23469),

Gene: Trooper_28 Start: 20008, Stop: 21780, Start Num: 50
Candidate Starts for Trooper_28:
(32, 19942), (Start: 41 @19984 has 10 MA's), (Start: 50 @20008 has 603 MA's), (96, 20161), (109, 20242), (110, 20245), (121, 20317), (122, 20320), (132, 20374), (148, 20491), (165, 20578), (185, 20659), (187, 20662), (220, 20848), (235, 20935), (244, 20974), (261, 21055), (286, 21181), (288, 21187), (322, 21313), (323, 21319), (338, 21412), (341, 21427), (356, 21511), (376, 21622), (383, 21676),

Gene: Trouble_28 Start: 21920, Stop: 23722, Start Num: 52
Candidate Starts for Trouble_28:
(Start: 52 @21920 has 230 MA's), (Start: 61 @21941 has 6 MA's), (Start: 71 @21983 has 1 MA's), (85, 22028), (122, 22244), (129, 22289), (132, 22298), (138, 22337), (144, 22388), (145, 22391), (187, 22586), (200, 22655), (234, 22856), (235, 22859), (239, 22880), (260, 22976), (261, 22979), (263, 22985), (280, 23072), (282, 23081), (288, 23111), (314, 23207), (319, 23240), (322, 23255), (346, 23396), (356, 23453), (376, 23564),

Gene: Troy_17 Start: 16284, Stop: 17981, Start Num: 39
Candidate Starts for Troy_17:

(Start: 39 @16284 has 5 MA's), (Start: 45 @16305 has 6 MA's), (75, 16389), (83, 16416), (85, 16422), (108, 16554), (118, 16605), (122, 16638), (123, 16647), (144, 16782), (150, 16815), (155, 16833), (163, 16887), (176, 16932), (189, 16989), (190, 17001), (198, 17040), (217, 17091), (219, 17100), (222, 17121), (231, 17187), (253, 17277), (275, 17385), (284, 17439), (286, 17445), (290, 17463), (324, 17559), (330, 17580), (340, 17625), (368, 17784), (372, 17799), (375, 17814), (377, 17826), (399, 17970),

Gene: TroyPia_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for TroyPia_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (157, 20349), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Tubs_30 Start: 21749, Stop: 23539, Start Num: 50
Candidate Starts for Tubs_30:
(Start: 48 @21746 has 8 MA's), (Start: 50 @21749 has 603 MA's), (109, 21983), (110, 21986), (121, 22058), (122, 22061), (125, 22076), (132, 22115), (133, 22121), (148, 22232), (165, 22319), (185, 22400), (187, 22403), (220, 22589), (230, 22652), (235, 22676), (237, 22682), (244, 22715), (261, 22796), (286, 22922), (298, 22964), (299, 22967), (314, 23024), (319, 23057), (322, 23072), (338, 23171), (339, 23174), (341, 23186), (356, 23270), (367, 23336), (374, 23375), (376, 23381), (382, 23426), (389, 23483), (390, 23486),

Gene: Tucker_31 Start: 19989, Stop: 21761, Start Num: 50
Candidate Starts for Tucker_31:
(32, 19923), (Start: 41 @19965 has 10 MA's), (Start: 50 @19989 has 603 MA's), (110, 20226), (121, 20298), (122, 20301), (125, 20316), (132, 20355), (133, 20361), (148, 20472), (150, 20478), (159, 20517), (165, 20559), (176, 20598), (185, 20640), (187, 20643), (216, 20799), (240, 20940), (244, 20955), (288, 21168), (318, 21267), (322, 21294), (331, 21345), (333, 21354), (338, 21393), (341, 21408), (356, 21492), (374, 21597), (376, 21603), (396, 21738),

Gene: Turbido_30 Start: 20695, Stop: 22467, Start Num: 50
Candidate Starts for Turbido_30:
(Start: 41 @20671 has 10 MA's), (Start: 50 @20695 has 603 MA's), (86, 20794), (100, 20878), (109, 20929), (110, 20932), (121, 21004), (122, 21007), (132, 21061), (138, 21100), (148, 21178), (165, 21265), (185, 21346), (187, 21349), (220, 21535), (235, 21622), (257, 21727), (261, 21742), (286, 21868), (288, 21874), (309, 21922), (322, 22000), (323, 22006), (333, 22060), (338, 22099), (341, 22114), (356, 22198), (376, 22309),

Gene: Turj99_26 Start: 20860, Stop: 22662, Start Num: 52
Candidate Starts for Turj99_26:
(Start: 52 @20860 has 230 MA's), (Start: 61 @20881 has 6 MA's), (Start: 71 @20923 has 1 MA's), (85, 20968), (122, 21184), (129, 21229), (132, 21238), (138, 21277), (144, 21328), (145, 21331), (187, 21526), (200, 21595), (234, 21796), (235, 21799), (239, 21820), (260, 21916), (261, 21919), (263, 21925), (280, 22012), (282, 22021), (288, 22051), (314, 22147), (319, 22180), (322, 22195), (346, 22336), (356, 22393), (376, 22504),

Gene: Twigg_24 Start: 19629, Stop: 21425, Start Num: 50
Candidate Starts for Twigg_24:

(Start: 50 @19629 has 603 MA's), (87, 19734), (92, 19767), (110, 19866), (122, 19941), (125, 19956), (131, 19992), (141, 20064), (143, 20079), (150, 20118), (157, 20145), (167, 20205), (197, 20343), (199, 20349), (224, 20484), (231, 20541), (232, 20544), (234, 20553), (244, 20595), (249, 20613), (260, 20673), (261, 20676), (280, 20769), (282, 20778), (286, 20802), (313, 20910), (319, 20946), (356, 21156), (373, 21258), (376, 21267), (392, 21381), (396, 21402), (398, 21411),

Gene: Twister_27 Start: 19820, Stop: 21598, Start Num: 50
Candidate Starts for Twister_27:
(Start: 50 @19820 has 603 MA's), (Start: 71 @19877 has 1 MA's), (76, 19892), (86, 19925), (88, 19946), (107, 20048), (109, 20060), (110, 20063), (122, 20138), (125, 20153), (132, 20192), (148, 20309), (154, 20327), (165, 20396), (183, 20471), (191, 20510), (200, 20549), (216, 20636), (224, 20681), (234, 20750), (239, 20774), (242, 20786), (244, 20792), (261, 20873), (280, 20966), (282, 20975), (286, 20999), (288, 21005), (291, 21020), (309, 21053), (318, 21104), (321, 21122), (327, 21161), (343, 21260), (356, 21329), (362, 21353), (363, 21359), (374, 21434), (376, 21440), (377, 21449), (384, 21500), (396, 21575),

Gene: Twister6_33 Start: 26286, Stop: 28052, Start Num: 34
Candidate Starts for Twister6_33:
(28, 26244), (Start: 34 @26286 has 86 MA's), (Start: 39 @26322 has 5 MA's), (Start: 53 @26355 has 7 MA's), (104, 26565), (105, 26568), (109, 26598), (119, 26664), (122, 26688), (123, 26697), (128, 26730), (156, 26883), (162, 26922), (175, 26973), (177, 26985), (181, 27003), (184, 27015), (186, 27027), (189, 27042), (194, 27072), (195, 27075), (199, 27096), (221, 27168), (227, 27216), (252, 27327), (258, 27360), (267, 27399), (268, 27402), (282, 27474), (300, 27540), (308, 27552), (346, 27723), (350, 27735), (351, 27741), (355, 27774), (361, 27801), (365, 27828), (374, 27882), (390, 27999), (395, 28020), (400, 28047),

Gene: TwoPeat_28 Start: 21384, Stop: 23186, Start Num: 52
Candidate Starts for TwoPeat_28:
(Start: 52 @21384 has 230 MA's), (Start: 61 @21405 has 6 MA's), (Start: 71 @21447 has 1 MA's), (85, 21492), (122, 21708), (129, 21753), (132, 21762), (138, 21801), (144, 21852), (145, 21855), (187, 22050), (200, 22119), (234, 22320), (235, 22323), (239, 22344), (260, 22440), (261, 22443), (263, 22449), (277, 22518), (280, 22536), (282, 22545), (288, 22575), (314, 22671), (319, 22704), (322, 22719), (346, 22860), (356, 22917), (376, 23028),

Gene: Tycho_34 Start: 29613, Stop: 31376, Start Num: 34
Candidate Starts for Tycho_34:
(Start: 34 @29613 has 86 MA's), (Start: 39 @29649 has 5 MA's), (83, 29778), (86, 29787), (89, 29811), (102, 29883), (105, 29892), (114, 29961), (122, 30012), (129, 30057), (133, 30072), (135, 30090), (144, 30153), (154, 30198), (156, 30207), (181, 30327), (185, 30342), (186, 30351), (189, 30366), (194, 30396), (244, 30618), (248, 30636), (252, 30651), (260, 30693), (261, 30696), (267, 30723), (294, 30843), (321, 30936), (346, 31047), (347, 31050), (355, 31098), (361, 31125), (365, 31152), (374, 31206), (380, 31233),

Gene: TygerBlood_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for TygerBlood_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: U2_27 Start: 21239, Stop: 23041, Start Num: 52

Candidate Starts for U2_27:
(Start: 52 @21239 has 230 MA's), (Start: 61 @21260 has 6 MA's), (Start: 71 @21302 has 1 MA's), (85, 21347), (122, 21563), (129, 21608), (132, 21617), (144, 21707), (145, 21710), (162, 21803), (187, 21905), (200, 21974), (234, 22175), (235, 22178), (239, 22199), (260, 22295), (261, 22298), (263, 22304), (277, 22373), (280, 22391), (282, 22400), (288, 22430), (314, 22526), (319, 22559), (322, 22574), (346, 22715), (356, 22772), (376, 22883),

Gene: Ugenie5_27 Start: 21782, Stop: 23572, Start Num: 50
Candidate Starts for Ugenie5_27:
(Start: 48 @21779 has 8 MA's), (Start: 50 @21782 has 603 MA's), (109, 22016), (110, 22019), (121, 22091), (122, 22094), (125, 22109), (132, 22148), (133, 22154), (148, 22265), (165, 22352), (185, 22433), (187, 22436), (220, 22622), (230, 22685), (235, 22709), (237, 22715), (244, 22748), (261, 22829), (286, 22955), (298, 22997), (314, 23057), (319, 23090), (322, 23105), (338, 23204), (339, 23207), (341, 23219), (356, 23303), (367, 23369), (374, 23408), (376, 23414), (382, 23459), (389, 23516), (390, 23519),

Gene: UhSalsa_23 Start: 16349, Stop: 17974, Start Num: 64
Candidate Starts for UhSalsa_23:
(Start: 64 @16349 has 32 MA's), (83, 16418), (90, 16454), (103, 16526), (122, 16640), (142, 16769), (148, 16811), (154, 16829), (156, 16838), (Start: 160 @16862 has 1 MA's), (162, 16880), (169, 16904), (171, 16910), (174, 16925), (175, 16928), (187, 16976), (230, 17177), (235, 17201), (260, 17315), (277, 17393), (283, 17432), (286, 17444), (309, 17474), (322, 17552), (354, 17699), (372, 17798), (374, 17813), (399, 17966),

Gene: Ulysses_26 Start: 19548, Stop: 21326, Start Num: 50
Candidate Starts for Ulysses_26:
(Start: 41 @19524 has 10 MA's), (Start: 50 @19548 has 603 MA's), (Start: 71 @19605 has 1 MA's), (87, 19659), (88, 19674), (92, 19692), (107, 19776), (109, 19788), (110, 19791), (122, 19866), (125, 19881), (132, 19920), (148, 20037), (165, 20124), (185, 20205), (195, 20253), (200, 20277), (216, 20364), (224, 20409), (235, 20481), (239, 20502), (244, 20520), (261, 20601), (280, 20694), (282, 20703), (286, 20727), (288, 20733), (295, 20757), (314, 20811), (318, 20832), (326, 20883), (330, 20907), (339, 20961), (356, 21057), (374, 21162), (377, 21177), (393, 21285), (396, 21303),

Gene: UnionJack_24 Start: 18683, Stop: 20482, Start Num: 50
Candidate Starts for UnionJack_24:
(Start: 50 @18683 has 603 MA's), (87, 18788), (110, 18920), (117, 18956), (122, 18995), (125, 19010), (131, 19046), (141, 19118), (143, 19133), (148, 19166), (150, 19172), (191, 19367), (197, 19397), (199, 19403), (207, 19454), (224, 19538), (234, 19607), (244, 19649), (249, 19667), (260, 19727), (261, 19730), (277, 19805), (280, 19823), (313, 19964), (319, 20000), (373, 20315), (376, 20324),

Gene: Updawg_30 Start: 20656, Stop: 22428, Start Num: 50
Candidate Starts for Updawg_30:
(Start: 41 @20632 has 10 MA's), (Start: 50 @20656 has 603 MA's), (91, 20791), (109, 20890), (110, 20893), (121, 20965), (122, 20968), (132, 21022), (133, 21028), (141, 21091), (148, 21139), (157, 21172), (165, 21226), (185, 21307), (187, 21310), (191, 21340), (220, 21496), (235, 21583), (261, 21703), (285, 21826), (286, 21829), (288, 21835), (309, 21883), (319, 21946), (322, 21961), (323, 21967), (333, 22021), (338, 22060), (341, 22075), (348, 22108), (355, 22153), (374, 22264), (376, 22270), (383, 22324),

Gene: VA6_28 Start: 20204, Stop: 21994, Start Num: 50
Candidate Starts for VA6_28:
(32, 20138), (Start: 41 @20180 has 10 MA's), (Start: 50 @20204 has 603 MA's), (109, 20438), (110, 20441), (121, 20513), (122, 20516), (125, 20531), (132, 20570), (133, 20576), (148, 20687), (154,

20705), (157, 20720), (165, 20774), (185, 20855), (187, 20858), (216, 21014), (220, 21044), (237, 21137), (261, 21251), (286, 21377), (319, 21512), (322, 21527), (326, 21551), (338, 21626), (339, 21629), (341, 21641), (356, 21725), (370, 21803), (374, 21830), (376, 21836), (382, 21881), (383, 21890), (396, 21971),

Gene: VC3_31 Start: 20192, Stop: 21982, Start Num: 50
Candidate Starts for VC3_31:
(32, 20126), (Start: 41 @20168 has 10 MA's), (Start: 50 @20192 has 603 MA's), (109, 20426), (110, 20429), (121, 20501), (122, 20504), (125, 20519), (132, 20558), (133, 20564), (148, 20675), (154, 20693), (157, 20708), (165, 20762), (185, 20843), (187, 20846), (216, 21002), (220, 21032), (237, 21125), (261, 21239), (286, 21365), (319, 21500), (322, 21515), (326, 21539), (338, 21614), (339, 21617), (341, 21629), (356, 21713), (370, 21791), (374, 21818), (376, 21824), (382, 21869), (383, 21878), (396, 21959),

Gene: Valary_34 Start: 26795, Stop: 28561, Start Num: 34
Candidate Starts for Valary_34:
(28, 26753), (Start: 34 @26795 has 86 MA's), (Start: 39 @26831 has 5 MA's), (Start: 53 @26864 has 7 MA's), (104, 27074), (105, 27077), (109, 27107), (119, 27173), (122, 27197), (123, 27206), (128, 27239), (156, 27392), (162, 27431), (175, 27482), (177, 27494), (181, 27512), (184, 27524), (186, 27536), (189, 27551), (194, 27581), (195, 27584), (199, 27605), (221, 27677), (244, 27803), (252, 27836), (258, 27869), (267, 27908), (268, 27911), (282, 27983), (300, 28049), (308, 28061), (346, 28232), (350, 28244), (351, 28250), (355, 28283), (361, 28310), (365, 28337), (374, 28391), (390, 28508), (395, 28529), (400, 28556),

Gene: VanDeWege_34 Start: 26622, Stop: 28388, Start Num: 34
Candidate Starts for VanDeWege_34:
(28, 26580), (Start: 34 @26622 has 86 MA's), (Start: 39 @26658 has 5 MA's), (Start: 53 @26691 has 7 MA's), (104, 26901), (105, 26904), (109, 26934), (122, 27024), (123, 27033), (128, 27066), (146, 27171), (156, 27219), (162, 27258), (175, 27309), (181, 27339), (184, 27351), (186, 27363), (189, 27378), (194, 27408), (195, 27411), (199, 27432), (221, 27504), (227, 27552), (252, 27663), (258, 27696), (268, 27738), (282, 27810), (300, 27876), (346, 28059), (347, 28062), (355, 28110), (361, 28137), (365, 28164), (374, 28218), (390, 28335), (395, 28356), (400, 28383),

Gene: VanLee_20 Start: 16446, Stop: 18107, Start Num: 56
Candidate Starts for VanLee_20:
(Start: 48 @16431 has 8 MA's), (Start: 56 @16446 has 7 MA's), (65, 16482), (81, 16533), (113, 16716), (122, 16761), (143, 16896), (171, 17031), (175, 17049), (197, 17157), (198, 17160), (223, 17244), (231, 17304), (255, 17409), (261, 17439), (276, 17514), (277, 17517), (310, 17604), (314, 17628), (320, 17664), (338, 17736), (346, 17778), (350, 17790), (357, 17844), (365, 17886), (374, 17940), (385, 18009), (392, 18063), (394, 18072), (400, 18102),

Gene: Vanisoa_27 Start: 19606, Stop: 21396, Start Num: 50
Candidate Starts for Vanisoa_27:
(32, 19540), (42, 19591), (Start: 50 @19606 has 603 MA's), (86, 19705), (109, 19840), (110, 19843), (121, 19915), (122, 19918), (125, 19933), (132, 19972), (133, 19978), (144, 20062), (148, 20089), (150, 20095), (165, 20176), (185, 20257), (187, 20260), (197, 20320), (200, 20329), (217, 20422), (235, 20533), (244, 20572), (255, 20623), (261, 20653), (299, 20824), (314, 20881), (319, 20914), (322, 20929), (326, 20953), (333, 20989), (338, 21028), (341, 21043), (356, 21127), (374, 21232), (376, 21238), (382, 21283),

Gene: Veracruz_27 Start: 20455, Stop: 22254, Start Num: 50
Candidate Starts for Veracruz_27:

(Start: 50 @20455 has 603 MA's), (Start: 71 @20515 has 1 MA's), (88, 20584), (107, 20686), (109, 20698), (110, 20701), (122, 20776), (125, 20791), (132, 20830), (154, 20965), (165, 21034), (191, 21148), (216, 21274), (234, 21388), (239, 21412), (242, 21424), (244, 21430), (261, 21511), (277, 21586), (280, 21604), (282, 21613), (286, 21637), (288, 21643), (291, 21658), (304, 21691), (313, 21736), (314, 21739), (318, 21760), (339, 21889), (356, 21985), (374, 22090), (376, 22096), (396, 22231),

Gene: Violet_26 Start: 21646, Stop: 23448, Start Num: 52
Candidate Starts for Violet_26:
(Start: 52 @21646 has 230 MA's), (Start: 61 @21667 has 6 MA's), (Start: 71 @21709 has 1 MA's), (85, 21754), (122, 21970), (129, 22015), (132, 22024), (138, 22063), (144, 22114), (145, 22117), (187, 22312), (200, 22381), (234, 22582), (235, 22585), (239, 22606), (260, 22702), (261, 22705), (263, 22711), (277, 22780), (280, 22798), (282, 22807), (288, 22837), (314, 22933), (319, 22966), (322, 22981), (346, 23122), (356, 23179), (376, 23290), (400, 23443),

Gene: Vivi2_37 Start: 31487, Stop: 33250, Start Num: 34
Candidate Starts for Vivi2_37:
(31, 31469), (Start: 34 @31487 has 86 MA's), (Start: 39 @31523 has 5 MA's), (86, 31661), (102, 31757), (105, 31766), (114, 31835), (122, 31886), (129, 31931), (133, 31946), (144, 32027), (154, 32072), (156, 32081), (175, 32171), (181, 32201), (185, 32216), (189, 32240), (194, 32270), (223, 32375), (244, 32492), (248, 32510), (252, 32525), (257, 32555), (260, 32567), (261, 32570), (267, 32597), (345, 32918), (346, 32921), (347, 32924), (355, 32972), (361, 32999), (365, 33026), (374, 33080), (379, 33104), (380, 33107), (390, 33197), (400, 33245),

Gene: Vix_29 Start: 20461, Stop: 22257, Start Num: 50
Candidate Starts for Vix_29:
(Start: 50 @20461 has 603 MA's), (Start: 71 @20518 has 1 MA's), (76, 20533), (86, 20566), (88, 20587), (91, 20602), (107, 20689), (109, 20701), (110, 20704), (122, 20779), (125, 20794), (131, 20830), (165, 21037), (191, 21151), (200, 21190), (216, 21277), (234, 21391), (239, 21415), (244, 21433), (261, 21514), (277, 21589), (280, 21607), (286, 21640), (288, 21646), (299, 21685), (313, 21739), (314, 21742), (318, 21763), (327, 21820), (356, 21988), (374, 22093), (376, 22099), (396, 22234),

Gene: VohminGhazi_31 Start: 19976, Stop: 21748, Start Num: 50
Candidate Starts for VohminGhazi_31:
(32, 19910), (Start: 41 @19952 has 10 MA's), (Start: 50 @19976 has 603 MA's), (103, 20174), (110, 20213), (121, 20285), (122, 20288), (126, 20306), (132, 20342), (133, 20348), (148, 20459), (150, 20465), (159, 20504), (165, 20546), (176, 20585), (185, 20627), (187, 20630), (197, 20690), (240, 20927), (244, 20942), (261, 21023), (288, 21155), (322, 21281), (331, 21332), (333, 21341), (338, 21380), (339, 21383), (341, 21395), (356, 21479), (374, 21584), (376, 21590), (396, 21725),

Gene: Volt_55 Start: 28894, Stop: 30579, Start Num: 44
Candidate Starts for Volt_55:
(20, 28702), (21, 28711), (22, 28717), (30, 28819), (35, 28849), (Start: 44 @28894 has 6 MA's), (90, 29035), (117, 29194), (125, 29248), (148, 29404), (170, 29503), (181, 29551), (191, 29608), (195, 29623), (220, 29713), (247, 29851), (260, 29914), (280, 30010), (292, 30061), (294, 30064), (306, 30076), (322, 30151), (325, 30166), (345, 30250), (361, 30331), (381, 30442), (395, 30547), (398, 30565),

Gene: Waits_30 Start: 19063, Stop: 20850, Start Num: 50
Candidate Starts for Waits_30:
(32, 18997), (Start: 41 @19039 has 10 MA's), (Start: 50 @19063 has 603 MA's), (92, 19201), (102, 19258), (110, 19300), (117, 19336), (122, 19375), (134, 19444), (138, 19468), (145, 19522), (176,

19672), (187, 19717), (191, 19747), (199, 19783), (207, 19834), (215, 19870), (224, 19918), (232, 19978), (260, 20107), (277, 20185), (322, 20386), (323, 20392), (339, 20488), (368, 20653), (384, 20752),

Gene: Wallaby_22 Start: 16703, Stop: 18397, Start Num: 49
Candidate Starts for Wallaby_22:
(11, 16292), (13, 16328), (17, 16379), (Start: 49 @16703 has 37 MA's), (Start: 55 @16715 has 1 MA's), (115, 16988), (116, 16991), (122, 17036), (125, 17051), (138, 17129), (143, 17174), (162, 17276), (171, 17309), (172, 17321), (174, 17324), (186, 17381), (191, 17414), (195, 17429), (206, 17495), (222, 17537), (224, 17546), (229, 17591), (242, 17654), (260, 17735), (265, 17753), (267, 17762), (269, 17771), (280, 17828), (282, 17837), (322, 17969), (332, 17996), (336, 18017), (345, 18068), (346, 18071), (364, 18167), (367, 18194), (369, 18203), (370, 18206), (376, 18236), (379, 18254), (385, 18299), (399, 18389),

Gene: WalterMcMickey_27 Start: 19820, Stop: 21598, Start Num: 50
Candidate Starts for WalterMcMickey_27:
(Start: 50 @19820 has 603 MA's), (Start: 71 @19877 has 1 MA's), (76, 19892), (86, 19925), (88, 19946), (107, 20048), (109, 20060), (110, 20063), (122, 20138), (125, 20153), (132, 20192), (148, 20309), (154, 20327), (165, 20396), (183, 20471), (191, 20510), (200, 20549), (216, 20636), (224, 20681), (234, 20750), (239, 20774), (242, 20786), (244, 20792), (261, 20873), (280, 20966), (282, 20975), (286, 20999), (288, 21005), (291, 21020), (309, 21053), (318, 21104), (321, 21122), (327, 21161), (343, 21260), (356, 21329), (362, 21353), (363, 21359), (374, 21434), (376, 21440), (377, 21449), (384, 21500), (396, 21575),

Gene: Wander_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Wander_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Warrior24_30 Start: 19067, Stop: 20854, Start Num: 50
Candidate Starts for Warrior24_30:
(32, 19001), (Start: 41 @19043 has 10 MA's), (Start: 50 @19067 has 603 MA's), (92, 19205), (102, 19262), (110, 19304), (117, 19340), (122, 19379), (134, 19448), (138, 19472), (145, 19526), (176, 19676), (187, 19721), (191, 19751), (199, 19787), (207, 19838), (215, 19874), (224, 19922), (232, 19982), (260, 20111), (277, 20189), (322, 20390), (323, 20396), (339, 20492), (368, 20657), (384, 20756),

Gene: Watermelon_29 Start: 21982, Stop: 23784, Start Num: 52
Candidate Starts for Watermelon_29:
(Start: 52 @21982 has 230 MA's), (Start: 61 @22003 has 6 MA's), (Start: 71 @22045 has 1 MA's), (85, 22090), (122, 22306), (129, 22351), (132, 22360), (138, 22399), (144, 22450), (145, 22453), (187, 22648), (200, 22717), (234, 22918), (235, 22921), (239, 22942), (260, 23038), (261, 23041), (263, 23047), (277, 23116), (280, 23134), (282, 23143), (288, 23173), (314, 23269), (319, 23302), (322, 23317), (346, 23458), (356, 23515), (376, 23626), (400, 23779),

Gene: Watson_29 Start: 20371, Stop: 22167, Start Num: 50
Candidate Starts for Watson_29:
(Start: 50 @20371 has 603 MA's), (Start: 71 @20428 has 1 MA's), (76, 20443), (86, 20476), (88, 20497), (91, 20512), (107, 20599), (109, 20611), (110, 20614), (122, 20689), (125, 20704), (131,

20740), (165, 20947), (191, 21061), (200, 21100), (216, 21187), (234, 21301), (239, 21325), (244, 21343), (261, 21424), (277, 21499), (280, 21517), (286, 21550), (288, 21556), (299, 21595), (313, 21649), (314, 21652), (318, 21673), (327, 21730), (356, 21898), (374, 22003), (376, 22009), (396, 22144),

Gene: WeiHuaDA_33 Start: 22462, Stop: 24234, Start Num: 50
Candidate Starts for WeiHuaDA_33:
(32, 22396), (Start: 41 @22438 has 10 MA's), (Start: 50 @22462 has 603 MA's), (109, 22696), (110, 22699), (121, 22771), (122, 22774), (132, 22828), (133, 22834), (138, 22867), (148, 22945), (165, 23032), (185, 23113), (187, 23116), (191, 23146), (235, 23389), (257, 23494), (261, 23509), (288, 23641), (309, 23689), (314, 23719), (319, 23752), (322, 23767), (323, 23773), (333, 23827), (341, 23881), (356, 23965), (367, 24031), (374, 24070), (376, 24076),

Gene: Whabigail7_30 Start: 20683, Stop: 22455, Start Num: 50
Candidate Starts for Whabigail7_30:
(Start: 41 @20659 has 10 MA's), (Start: 50 @20683 has 603 MA's), (86, 20782), (100, 20866), (109, 20917), (110, 20920), (121, 20992), (122, 20995), (132, 21049), (138, 21088), (148, 21166), (165, 21253), (185, 21334), (187, 21337), (220, 21523), (235, 21610), (257, 21715), (261, 21730), (286, 21856), (288, 21862), (309, 21910), (322, 21988), (323, 21994), (333, 22048), (338, 22087), (341, 22102), (356, 22186), (376, 22297),

Gene: Wheeler_27 Start: 21414, Stop: 23216, Start Num: 52
Candidate Starts for Wheeler_27:
(Start: 52 @21414 has 230 MA's), (Start: 61 @21435 has 6 MA's), (Start: 71 @21477 has 1 MA's), (85, 21522), (122, 21738), (129, 21783), (132, 21792), (138, 21831), (144, 21882), (145, 21885), (162, 21978), (187, 22080), (200, 22149), (234, 22350), (235, 22353), (239, 22374), (260, 22470), (261, 22473), (263, 22479), (277, 22548), (280, 22566), (282, 22575), (288, 22605), (314, 22701), (319, 22734), (322, 22749), (346, 22890), (356, 22947), (376, 23058), (400, 23211),

Gene: Whitney_21 Start: 17225, Stop: 18922, Start Num: 49
Candidate Starts for Whitney_21:
(37, 17186), (Start: 49 @17225 has 37 MA's), (Start: 55 @17237 has 1 MA's), (57, 17240), (67, 17276), (79, 17315), (86, 17336), (93, 17378), (94, 17384), (95, 17387), (99, 17399), (103, 17435), (109, 17471), (118, 17528), (125, 17576), (128, 17603), (144, 17705), (152, 17744), (162, 17801), (165, 17819), (169, 17828), (171, 17834), (181, 17882), (188, 17912), (193, 17948), (195, 17954), (199, 17975), (200, 17978), (208, 18029), (221, 18056), (222, 18059), (226, 18086), (229, 18113), (246, 18185), (254, 18224), (268, 18278), (282, 18350), (293, 18395), (315, 18458), (320, 18485), (321, 18488), (323, 18503), (343, 18587), (345, 18596), (346, 18599), (348, 18605), (351, 18617), (352, 18620), (355, 18650), (356, 18656), (361, 18677), (362, 18680), (370, 18734), (376, 18764), (377, 18773), (384, 18824), (387, 18857), (390, 18869), (394, 18887),

Gene: Whitspit_28 Start: 21829, Stop: 23568, Start Num: 71
Candidate Starts for Whitspit_28:
(Start: 52 @21766 has 230 MA's), (Start: 61 @21787 has 6 MA's), (Start: 71 @21829 has 1 MA's), (85, 21874), (122, 22090), (129, 22135), (132, 22144), (138, 22183), (144, 22234), (145, 22237), (162, 22330), (187, 22432), (200, 22501), (234, 22702), (235, 22705), (239, 22726), (260, 22822), (261, 22825), (263, 22831), (277, 22900), (280, 22918), (282, 22927), (288, 22957), (314, 23053), (319, 23086), (322, 23101), (346, 23242), (356, 23299), (376, 23410), (400, 23563),

Gene: WideWale_30 Start: 20656, Stop: 22428, Start Num: 50
Candidate Starts for WideWale_30:
(Start: 41 @20632 has 10 MA's), (Start: 50 @20656 has 603 MA's), (91, 20791), (109, 20890), (110, 20893), (121, 20965), (122, 20968), (132, 21022), (133, 21028), (141, 21091), (148, 21139), (157,

21172), (165, 21226), (185, 21307), (187, 21310), (191, 21340), (220, 21496), (235, 21583), (261, 21703), (285, 21826), (286, 21829), (288, 21835), (309, 21883), (319, 21946), (322, 21961), (323, 21967), (333, 22021), (338, 22060), (341, 22075), (348, 22108), (355, 22153), (374, 22264), (376, 22270), (383, 22324),

Gene: Wiks_31 Start: 19971, Stop: 21743, Start Num: 50
Candidate Starts for Wiks_31:
(32, 19905), (Start: 41 @19947 has 10 MA's), (Start: 50 @19971 has 603 MA's), (110, 20208), (121, 20280), (122, 20283), (125, 20298), (132, 20337), (133, 20343), (148, 20454), (150, 20460), (159, 20499), (165, 20541), (176, 20580), (185, 20622), (187, 20625), (216, 20781), (240, 20922), (244, 20937), (288, 21150), (318, 21249), (322, 21276), (331, 21327), (333, 21336), (338, 21375), (341, 21390), (356, 21474), (374, 21579), (376, 21585), (396, 21720),

Gene: Wilbur_27 Start: 19827, Stop: 21605, Start Num: 50
Candidate Starts for Wilbur_27:
(Start: 41 @19803 has 10 MA's), (Start: 50 @19827 has 603 MA's), (Start: 71 @19884 has 1 MA's), (87, 19938), (88, 19953), (92, 19971), (107, 20055), (109, 20067), (110, 20070), (122, 20145), (125, 20160), (132, 20199), (148, 20316), (165, 20403), (185, 20484), (195, 20532), (200, 20556), (216, 20643), (224, 20688), (235, 20760), (239, 20781), (244, 20799), (261, 20880), (280, 20973), (282, 20982), (286, 21006), (288, 21012), (295, 21036), (314, 21090), (318, 21111), (326, 21162), (330, 21186), (339, 21240), (356, 21336), (374, 21441), (377, 21456), (393, 21564), (396, 21582),

Gene: Wile_27 Start: 19836, Stop: 21635, Start Num: 50
Candidate Starts for Wile_27:
(Start: 41 @19812 has 10 MA's), (Start: 50 @19836 has 603 MA's), (Start: 54 @19842 has 3 MA's), (Start: 71 @19896 has 1 MA's), (88, 19965), (103, 20043), (107, 20067), (110, 20082), (117, 20118), (122, 20157), (125, 20172), (132, 20211), (145, 20304), (148, 20328), (165, 20415), (191, 20529), (200, 20568), (216, 20655), (224, 20700), (234, 20769), (239, 20793), (242, 20805), (261, 20892), (277, 20967), (280, 20985), (282, 20994), (286, 21018), (288, 21024), (291, 21039), (304, 21072), (313, 21117), (314, 21120), (318, 21141), (356, 21366), (370, 21444), (374, 21471), (376, 21477), (396, 21612),

Gene: Wilkins_27 Start: 20952, Stop: 22754, Start Num: 52
Candidate Starts for Wilkins_27:
(Start: 52 @20952 has 230 MA's), (Start: 61 @20973 has 6 MA's), (Start: 71 @21015 has 1 MA's), (85, 21060), (122, 21276), (129, 21321), (132, 21330), (138, 21369), (144, 21420), (145, 21423), (162, 21516), (187, 21618), (200, 21687), (231, 21876), (234, 21888), (235, 21891), (239, 21912), (260, 22008), (261, 22011), (263, 22017), (277, 22086), (280, 22104), (282, 22113), (288, 22143), (314, 22239), (319, 22272), (322, 22287), (327, 22317), (346, 22428), (356, 22485), (376, 22596),

Gene: Wizard_31 Start: 25993, Stop: 27759, Start Num: 34
Candidate Starts for Wizard_31:
(28, 25951), (Start: 34 @25993 has 86 MA's), (Start: 39 @26029 has 5 MA's), (Start: 53 @26062 has 7 MA's), (104, 26272), (105, 26275), (109, 26305), (119, 26371), (122, 26395), (123, 26404), (128, 26437), (156, 26590), (162, 26629), (175, 26680), (177, 26692), (181, 26710), (184, 26722), (186, 26734), (189, 26749), (194, 26779), (195, 26782), (199, 26803), (221, 26875), (227, 26923), (252, 27034), (258, 27067), (267, 27106), (268, 27109), (282, 27181), (300, 27247), (308, 27259), (346, 27430), (347, 27433), (355, 27481), (361, 27508), (365, 27535), (374, 27589), (390, 27706), (395, 27727), (400, 27754),

Gene: Wizard007_27 Start: 19829, Stop: 21607, Start Num: 50
Candidate Starts for Wizard007_27:

(Start: 41 @19805 has 10 MA's), (Start: 50 @19829 has 603 MA's), (Start: 71 @19886 has 1 MA's), (87, 19940), (88, 19955), (92, 19973), (107, 20057), (109, 20069), (110, 20072), (122, 20147), (125, 20162), (132, 20201), (148, 20318), (165, 20405), (185, 20486), (195, 20534), (200, 20558), (216, 20645), (224, 20690), (235, 20762), (239, 20783), (244, 20801), (261, 20882), (280, 20975), (282, 20984), (286, 21008), (288, 21014), (295, 21038), (314, 21092), (318, 21113), (326, 21164), (330, 21188), (339, 21242), (356, 21338), (374, 21443), (377, 21458), (393, 21566), (396, 21584),

Gene: Wolfwood_20 Start: 16703, Stop: 18397, Start Num: 49
Candidate Starts for Wolfwood_20:
(11, 16292), (13, 16328), (17, 16379), (Start: 49 @16703 has 37 MA's), (Start: 55 @16715 has 1 MA's), (115, 16988), (116, 16991), (122, 17036), (125, 17051), (138, 17129), (143, 17174), (162, 17276), (171, 17309), (172, 17321), (174, 17324), (186, 17381), (191, 17414), (195, 17429), (206, 17495), (222, 17537), (224, 17546), (229, 17591), (242, 17654), (260, 17735), (265, 17753), (267, 17762), (269, 17771), (280, 17828), (282, 17837), (322, 17969), (332, 17996), (336, 18017), (345, 18068), (346, 18071), (364, 18167), (367, 18194), (369, 18203), (370, 18206), (376, 18236), (379, 18254), (385, 18299), (399, 18389),

Gene: Wolpertinger_27 Start: 20752, Stop: 22551, Start Num: 50
Candidate Starts for Wolpertinger_27:
(32, 20686), (Start: 41 @20728 has 10 MA's), (Start: 50 @20752 has 603 MA's), (68, 20794), (92, 20890), (96, 20905), (109, 20986), (110, 20989), (122, 21064), (125, 21079), (132, 21118), (133, 21124), (139, 21175), (148, 21235), (150, 21241), (165, 21322), (187, 21406), (209, 21532), (214, 21550), (219, 21577), (244, 21718), (257, 21784), (260, 21796), (261, 21799), (304, 21988), (311, 22015), (312, 22024), (315, 22045), (316, 22048), (319, 22069), (322, 22084), (326, 22108), (338, 22183), (341, 22198), (356, 22282), (374, 22387), (376, 22393), (383, 22447), (400, 22546),

Gene: Wooldri_31 Start: 20290, Stop: 22086, Start Num: 50
Candidate Starts for Wooldri_31:
(Start: 50 @20290 has 603 MA's), (Start: 71 @20347 has 1 MA's), (76, 20362), (86, 20395), (88, 20416), (91, 20431), (107, 20518), (109, 20530), (110, 20533), (122, 20608), (125, 20623), (131, 20659), (165, 20866), (191, 20980), (200, 21019), (216, 21106), (234, 21220), (239, 21244), (244, 21262), (261, 21343), (277, 21418), (280, 21436), (286, 21469), (288, 21475), (299, 21514), (313, 21568), (314, 21571), (318, 21592), (327, 21649), (356, 21817), (374, 21922), (376, 21928), (396, 22063),

Gene: WorldCup_26 Start: 19606, Stop: 21396, Start Num: 50
Candidate Starts for WorldCup_26:
(32, 19540), (42, 19591), (Start: 50 @19606 has 603 MA's), (85, 19702), (86, 19705), (104, 19807), (109, 19840), (110, 19843), (121, 19915), (122, 19918), (132, 19972), (133, 19978), (144, 20062), (148, 20089), (150, 20095), (152, 20101), (165, 20176), (185, 20257), (187, 20260), (197, 20320), (220, 20446), (230, 20509), (235, 20533), (242, 20566), (244, 20572), (261, 20653), (299, 20824), (314, 20881), (319, 20914), (322, 20929), (326, 20953), (333, 20989), (338, 21028), (341, 21043), (356, 21127), (367, 21193), (374, 21232), (376, 21238), (382, 21283),

Gene: WunderPhul_31 Start: 19971, Stop: 21743, Start Num: 50
Candidate Starts for WunderPhul_31:
(32, 19905), (Start: 41 @19947 has 10 MA's), (Start: 50 @19971 has 603 MA's), (110, 20208), (121, 20280), (122, 20283), (125, 20298), (132, 20337), (133, 20343), (148, 20454), (150, 20460), (159, 20499), (165, 20541), (176, 20580), (185, 20622), (187, 20625), (216, 20781), (240, 20922), (244, 20937), (288, 21150), (318, 21249), (322, 21276), (331, 21327), (333, 21336), (338, 21375), (339, 21378), (356, 21474), (374, 21579), (376, 21585), (396, 21720),

Gene: Xena_27 Start: 19823, Stop: 21622, Start Num: 50

Candidate Starts for Xena_27:
(Start: 41 @19799 has 10 MA's), (Start: 50 @19823 has 603 MA's), (Start: 54 @19829 has 3 MA's), (Start: 71 @19883 has 1 MA's), (88, 19952), (103, 20030), (107, 20054), (110, 20069), (117, 20105), (122, 20144), (125, 20159), (132, 20198), (145, 20291), (148, 20315), (165, 20402), (191, 20516), (200, 20555), (216, 20642), (224, 20687), (234, 20756), (239, 20780), (242, 20792), (261, 20879), (277, 20954), (280, 20972), (282, 20981), (286, 21005), (288, 21011), (291, 21026), (304, 21059), (313, 21104), (314, 21107), (318, 21128), (356, 21353), (370, 21431), (374, 21458), (376, 21464), (396, 21599),

Gene: XianYue_28 Start: 20112, Stop: 21908, Start Num: 41
Candidate Starts for XianYue_28:
(32, 20070), (Start: 41 @20112 has 10 MA's), (Start: 50 @20136 has 603 MA's), (86, 20235), (96, 20289), (109, 20370), (110, 20373), (121, 20445), (122, 20448), (132, 20502), (139, 20559), (143, 20586), (165, 20706), (185, 20787), (187, 20790), (191, 20820), (216, 20946), (235, 21063), (260, 21180), (261, 21183), (288, 21315), (319, 21426), (322, 21441), (323, 21447), (333, 21501), (338, 21540), (341, 21555), (348, 21588), (370, 21717), (374, 21744), (376, 21750), (379, 21768), (383, 21804),

Gene: Yakult_19 Start: 15320, Stop: 17008, Start Num: 49
Candidate Starts for Yakult_19:
(37, 15290), (Start: 43 @15317 has 2 MA's), (Start: 49 @15320 has 37 MA's), (79, 15404), (104, 15527), (109, 15560), (120, 15638), (138, 15743), (139, 15761), (143, 15788), (147, 15818), (155, 15845), (162, 15890), (171, 15920), (172, 15932), (175, 15938), (176, 15941), (179, 15959), (191, 16025), (206, 16106), (220, 16142), (222, 16148), (224, 16157), (226, 16175), (233, 16220), (253, 16304), (259, 16340), (260, 16343), (261, 16346), (265, 16361), (267, 16370), (269, 16379), (280, 16436), (320, 16565), (322, 16577), (325, 16592), (332, 16604), (345, 16676), (346, 16679), (347, 16682), (353, 16715), (358, 16745), (364, 16778), (369, 16814), (370, 16817), (376, 16847), (377, 16856), (394, 16973), (399, 17000),

Gene: Yecey3_29 Start: 19844, Stop: 21634, Start Num: 50
Candidate Starts for Yecey3_29:
(Start: 48 @19841 has 8 MA's), (Start: 50 @19844 has 603 MA's), (86, 19943), (103, 20042), (110, 20081), (121, 20153), (122, 20156), (132, 20210), (133, 20216), (139, 20267), (143, 20294), (148, 20327), (165, 20414), (185, 20495), (187, 20498), (197, 20558), (217, 20660), (230, 20747), (235, 20771), (244, 20810), (261, 20891), (265, 20906), (304, 21071), (307, 21080), (314, 21119), (322, 21167), (326, 21191), (333, 21227), (338, 21266), (339, 21269), (341, 21281), (348, 21314), (356, 21365), (367, 21431), (374, 21470), (376, 21476),

Gene: YoSam321_27 Start: 19824, Stop: 21602, Start Num: 50
Candidate Starts for YoSam321_27:
(Start: 41 @19800 has 10 MA's), (Start: 50 @19824 has 603 MA's), (Start: 71 @19881 has 1 MA's), (87, 19935), (88, 19950), (92, 19968), (107, 20052), (109, 20064), (110, 20067), (122, 20142), (125, 20157), (132, 20196), (148, 20313), (165, 20400), (185, 20481), (195, 20529), (200, 20553), (216, 20640), (224, 20685), (235, 20757), (239, 20778), (244, 20796), (261, 20877), (280, 20970), (282, 20979), (286, 21003), (288, 21009), (295, 21033), (314, 21087), (318, 21108), (326, 21159), (330, 21183), (339, 21237), (356, 21333), (374, 21438), (377, 21453), (393, 21561), (396, 21579),

Gene: Yogi_23 Start: 16323, Stop: 17948, Start Num: 64
Candidate Starts for Yogi_23:
(Start: 60 @16308 has 3 MA's), (Start: 64 @16323 has 32 MA's), (83, 16392), (90, 16428), (122, 16614), (142, 16743), (148, 16785), (156, 16812), (Start: 160 @16836 has 1 MA's), (162, 16854), (171, 16884), (174, 16899), (187, 16950), (203, 17034), (230, 17151), (235, 17175), (260, 17289), (271, 17337), (277, 17367), (283, 17406), (286, 17418), (309, 17448), (322, 17526), (354, 17673), (359,

17697), (365, 17733), (372, 17772), (399, 17940),

Gene: Yokurt_31 Start: 19971, Stop: 21743, Start Num: 50
Candidate Starts for Yokurt_31:
(32, 19905), (Start: 41 @19947 has 10 MA's), (Start: 50 @19971 has 603 MA's), (110, 20208), (121, 20280), (122, 20283), (125, 20298), (132, 20337), (133, 20343), (148, 20454), (150, 20460), (159, 20499), (165, 20541), (176, 20580), (185, 20622), (187, 20625), (216, 20781), (240, 20922), (244, 20937), (288, 21150), (318, 21249), (322, 21276), (331, 21327), (333, 21336), (338, 21375), (341, 21390), (356, 21474), (374, 21579), (376, 21585), (396, 21720),

Gene: Yoncess_23 Start: 16323, Stop: 17948, Start Num: 64
Candidate Starts for Yoncess_23:
(Start: 60 @16308 has 3 MA's), (Start: 64 @16323 has 32 MA's), (75, 16365), (83, 16392), (90, 16428), (122, 16614), (142, 16743), (148, 16785), (156, 16812), (Start: 160 @16836 has 1 MA's), (162, 16854), (171, 16884), (174, 16899), (187, 16950), (203, 17034), (230, 17151), (235, 17175), (260, 17289), (271, 17337), (277, 17367), (283, 17406), (286, 17418), (309, 17448), (322, 17526), (354, 17673), (359, 17697), (365, 17733), (372, 17772), (399, 17940),

Gene: YorkOnyx_35 Start: 29872, Stop: 31635, Start Num: 34
Candidate Starts for YorkOnyx_35:
(Start: 34 @29872 has 86 MA's), (Start: 39 @29908 has 5 MA's), (83, 30037), (86, 30046), (89, 30070), (102, 30142), (105, 30151), (114, 30220), (122, 30271), (123, 30280), (129, 30316), (133, 30331), (135, 30349), (144, 30412), (154, 30457), (156, 30466), (181, 30586), (185, 30601), (186, 30610), (189, 30625), (194, 30655), (244, 30877), (248, 30895), (252, 30910), (260, 30952), (261, 30955), (267, 30982), (294, 31102), (321, 31195), (346, 31306), (347, 31309), (355, 31357), (361, 31384), (365, 31411), (374, 31465),

Gene: Yoshi_19 Start: 13743, Stop: 15407, Start Num: 53
Candidate Starts for Yoshi_19:
(Start: 53 @13743 has 7 MA's), (78, 13824), (87, 13854), (90, 13875), (92, 13887), (105, 13953), (111, 13992), (112, 14004), (116, 14028), (124, 14085), (125, 14088), (127, 14112), (129, 14118), (130, 14121), (138, 14166), (139, 14184), (145, 14220), (166, 14331), (176, 14367), (181, 14394), (184, 14406), (185, 14409), (191, 14451), (194, 14463), (199, 14487), (219, 14541), (234, 14640), (256, 14733), (261, 14760), (264, 14772), (276, 14817), (280, 14838), (282, 14847), (346, 15081), (347, 15084), (348, 15087), (367, 15204), (376, 15246), (386, 15330), (398, 15393),

Gene: YungMoney_33 Start: 27341, Stop: 29107, Start Num: 34
Candidate Starts for YungMoney_33:
(28, 27299), (31, 27329), (Start: 34 @27341 has 86 MA's), (Start: 39 @27377 has 5 MA's), (Start: 53 @27410 has 7 MA's), (94, 27566), (95, 27569), (104, 27620), (105, 27623), (109, 27653), (114, 27692), (122, 27743), (123, 27752), (128, 27785), (156, 27938), (162, 27977), (175, 28028), (177, 28040), (181, 28058), (184, 28070), (186, 28082), (189, 28097), (194, 28127), (195, 28130), (199, 28151), (227, 28271), (252, 28382), (258, 28415), (268, 28457), (282, 28529), (300, 28595), (346, 28778), (347, 28781), (355, 28829), (361, 28856), (365, 28883), (374, 28937), (390, 29054), (395, 29075), (400, 29102),

Gene: ZAYM_19 Start: 16938, Stop: 18701, Start Num: 37
Candidate Starts for ZAYM_19:
(18, 16659), (26, 16854), (37, 16938), (Start: 39 @16950 has 5 MA's), (Start: 45 @16971 has 6 MA's), (107, 17208), (112, 17241), (144, 17454), (159, 17526), (165, 17568), (176, 17607), (181, 17634), (186, 17658), (193, 17700), (199, 17727), (200, 17730), (218, 17784), (219, 17790), (231, 17877), (296, 18168), (297, 18171), (320, 18261), (323, 18279), (346, 18375), (351, 18393), (370, 18510), (377, 18549), (378, 18552), (381, 18564), (388, 18639), (394, 18666),

Gene: Zaka_31 Start: 19971, Stop: 21743, Start Num: 50
Candidate Starts for Zaka_31:
(32, 19905), (Start: 41 @19947 has 10 MA's), (Start: 50 @19971 has 603 MA's), (110, 20208), (121, 20280), (122, 20283), (125, 20298), (132, 20337), (133, 20343), (148, 20454), (150, 20460), (159, 20499), (165, 20541), (176, 20580), (185, 20622), (187, 20625), (216, 20781), (240, 20922), (244, 20937), (288, 21150), (318, 21249), (322, 21276), (331, 21327), (333, 21336), (338, 21375), (341, 21390), (356, 21474), (374, 21579), (376, 21585), (396, 21720),

Gene: Zapner_20 Start: 14268, Stop: 15932, Start Num: 53
Candidate Starts for Zapner_20:
(Start: 53 @14268 has 7 MA's), (78, 14349), (87, 14379), (90, 14400), (92, 14412), (105, 14478), (111, 14517), (112, 14529), (116, 14553), (124, 14610), (125, 14613), (127, 14637), (129, 14643), (130, 14646), (138, 14691), (139, 14709), (145, 14745), (166, 14856), (176, 14892), (181, 14919), (184, 14931), (185, 14934), (191, 14976), (194, 14988), (199, 15012), (219, 15066), (234, 15165), (256, 15258), (261, 15285), (264, 15297), (278, 15348), (280, 15363), (294, 15417), (310, 15444), (346, 15606), (347, 15609), (348, 15612), (367, 15729), (376, 15771), (386, 15855), (395, 15900), (398, 15918),

Gene: Zarafa_27 Start: 19969, Stop: 21768, Start Num: 50
Candidate Starts for Zarafa_27:
(Start: 50 @19969 has 603 MA's), (Start: 71 @20029 has 1 MA's), (88, 20098), (107, 20200), (109, 20212), (110, 20215), (122, 20290), (125, 20305), (126, 20308), (132, 20344), (154, 20479), (165, 20548), (191, 20662), (216, 20788), (234, 20902), (239, 20926), (242, 20938), (244, 20944), (261, 21025), (277, 21100), (280, 21118), (282, 21127), (286, 21151), (288, 21157), (291, 21172), (307, 21214), (312, 21241), (313, 21250), (314, 21253), (318, 21274), (319, 21286), (356, 21499), (374, 21604), (376, 21610), (396, 21745),

Gene: Zareef_20 Start: 16723, Stop: 18405, Start Num: 55
Candidate Starts for Zareef_20:
(17, 16387), (Start: 49 @16711 has 37 MA's), (Start: 55 @16723 has 1 MA's), (112, 16975), (115, 16996), (116, 16999), (122, 17044), (125, 17059), (138, 17137), (143, 17182), (162, 17284), (171, 17317), (172, 17329), (174, 17332), (186, 17389), (191, 17422), (195, 17437), (206, 17503), (222, 17545), (224, 17554), (229, 17599), (242, 17662), (260, 17743), (265, 17761), (267, 17770), (269, 17779), (280, 17836), (282, 17845), (322, 17977), (332, 18004), (336, 18025), (345, 18076), (346, 18079), (364, 18175), (367, 18202), (369, 18211), (370, 18214), (376, 18244), (379, 18262), (385, 18307), (399, 18397),

Gene: Zeeculate_27 Start: 21795, Stop: 23597, Start Num: 52
Candidate Starts for Zeeculate_27:
(Start: 52 @21795 has 230 MA's), (Start: 61 @21816 has 6 MA's), (Start: 71 @21858 has 1 MA's), (85, 21903), (122, 22119), (129, 22164), (132, 22173), (138, 22212), (144, 22263), (145, 22266), (187, 22461), (200, 22530), (234, 22731), (235, 22734), (239, 22755), (260, 22851), (261, 22854), (263, 22860), (277, 22929), (280, 22947), (282, 22956), (288, 22986), (314, 23082), (319, 23115), (322, 23130), (346, 23271), (356, 23328), (376, 23439),

Gene: Zephyr_27 Start: 21215, Stop: 23017, Start Num: 52
Candidate Starts for Zephyr_27:
(Start: 52 @21215 has 230 MA's), (Start: 61 @21236 has 6 MA's), (Start: 71 @21278 has 1 MA's), (85, 21323), (122, 21539), (129, 21584), (132, 21593), (138, 21632), (144, 21683), (145, 21686), (152, 21722), (162, 21779), (187, 21881), (200, 21950), (234, 22151), (235, 22154), (239, 22175), (260, 22271), (261, 22274), (263, 22280), (277, 22349), (280, 22367), (282, 22376), (288, 22406), (314, 22502), (319, 22535), (322, 22550), (346, 22691), (356, 22748), (376, 22859),

Gene: Zetzy_28 Start: 19913, Stop: 21709, Start Num: 50
Candidate Starts for Zetzy_28:
(Start: 50 @19913 has 603 MA's), (Start: 71 @19970 has 1 MA's), (76, 19985), (86, 20018), (88, 20039), (91, 20054), (107, 20141), (109, 20153), (110, 20156), (122, 20231), (125, 20246), (131, 20282), (165, 20489), (200, 20642), (216, 20729), (234, 20843), (239, 20867), (244, 20885), (261, 20966), (277, 21041), (280, 21059), (286, 21092), (288, 21098), (299, 21137), (313, 21191), (314, 21194), (318, 21215), (327, 21272), (356, 21440), (374, 21545), (376, 21551), (396, 21686),

Gene: Zeuska_28 Start: 21670, Stop: 23451, Start Num: 61
Candidate Starts for Zeuska_28:
(Start: 52 @21649 has 230 MA's), (Start: 61 @21670 has 6 MA's), (Start: 71 @21712 has 1 MA's), (85, 21757), (122, 21973), (129, 22018), (132, 22027), (138, 22066), (144, 22117), (145, 22120), (187, 22315), (200, 22384), (234, 22585), (235, 22588), (239, 22609), (260, 22705), (261, 22708), (263, 22714), (277, 22783), (280, 22801), (282, 22810), (288, 22840), (314, 22936), (319, 22969), (322, 22984), (346, 23125), (356, 23182), (376, 23293),

Gene: Ziko_56 Start: 28834, Stop: 30519, Start Num: 44
Candidate Starts for Ziko_56:
(20, 28642), (21, 28651), (22, 28657), (30, 28759), (35, 28789), (Start: 44 @28834 has 6 MA's), (90, 28975), (117, 29134), (125, 29188), (148, 29344), (170, 29443), (181, 29491), (191, 29548), (195, 29563), (220, 29653), (247, 29791), (260, 29854), (280, 29950), (292, 30001), (294, 30004), (306, 30016), (322, 30091), (325, 30106), (345, 30190), (361, 30271), (381, 30382), (395, 30487), (398, 30505),

Gene: Zimmer_30 Start: 22382, Stop: 24154, Start Num: 50
Candidate Starts for Zimmer_30:
(32, 22316), (Start: 41 @22358 has 10 MA's), (42, 22367), (Start: 50 @22382 has 603 MA's), (96, 22535), (109, 22616), (110, 22619), (121, 22691), (122, 22694), (126, 22712), (132, 22748), (133, 22754), (148, 22865), (165, 22952), (185, 23033), (187, 23036), (200, 23105), (216, 23192), (244, 23348), (261, 23429), (265, 23444), (319, 23672), (322, 23687), (326, 23711), (338, 23786), (341, 23801), (348, 23834), (356, 23885), (374, 23990), (396, 24131),

Gene: Zolita_23 Start: 19917, Stop: 21716, Start Num: 50
Candidate Starts for Zolita_23:
(Start: 50 @19917 has 603 MA's), (92, 20055), (110, 20154), (122, 20229), (131, 20280), (141, 20352), (143, 20367), (148, 20400), (150, 20406), (169, 20499), (191, 20601), (197, 20631), (199, 20637), (216, 20727), (220, 20757), (234, 20841), (235, 20844), (244, 20883), (249, 20901), (260, 20961), (261, 20964), (280, 21057), (313, 21198), (321, 21240), (376, 21558), (396, 21693), (398, 21702),

Gene: Zulu_31 Start: 19970, Stop: 21742, Start Num: 50
Candidate Starts for Zulu_31:
(32, 19904), (Start: 41 @19946 has 10 MA's), (Start: 50 @19970 has 603 MA's), (110, 20207), (121, 20279), (122, 20282), (125, 20297), (132, 20336), (133, 20342), (148, 20453), (150, 20459), (159, 20498), (165, 20540), (176, 20579), (185, 20621), (187, 20624), (216, 20780), (240, 20921), (244, 20936), (288, 21149), (318, 21248), (322, 21275), (331, 21326), (333, 21335), (338, 21374), (341, 21389), (356, 21473), (374, 21578), (376, 21584), (396, 21719),