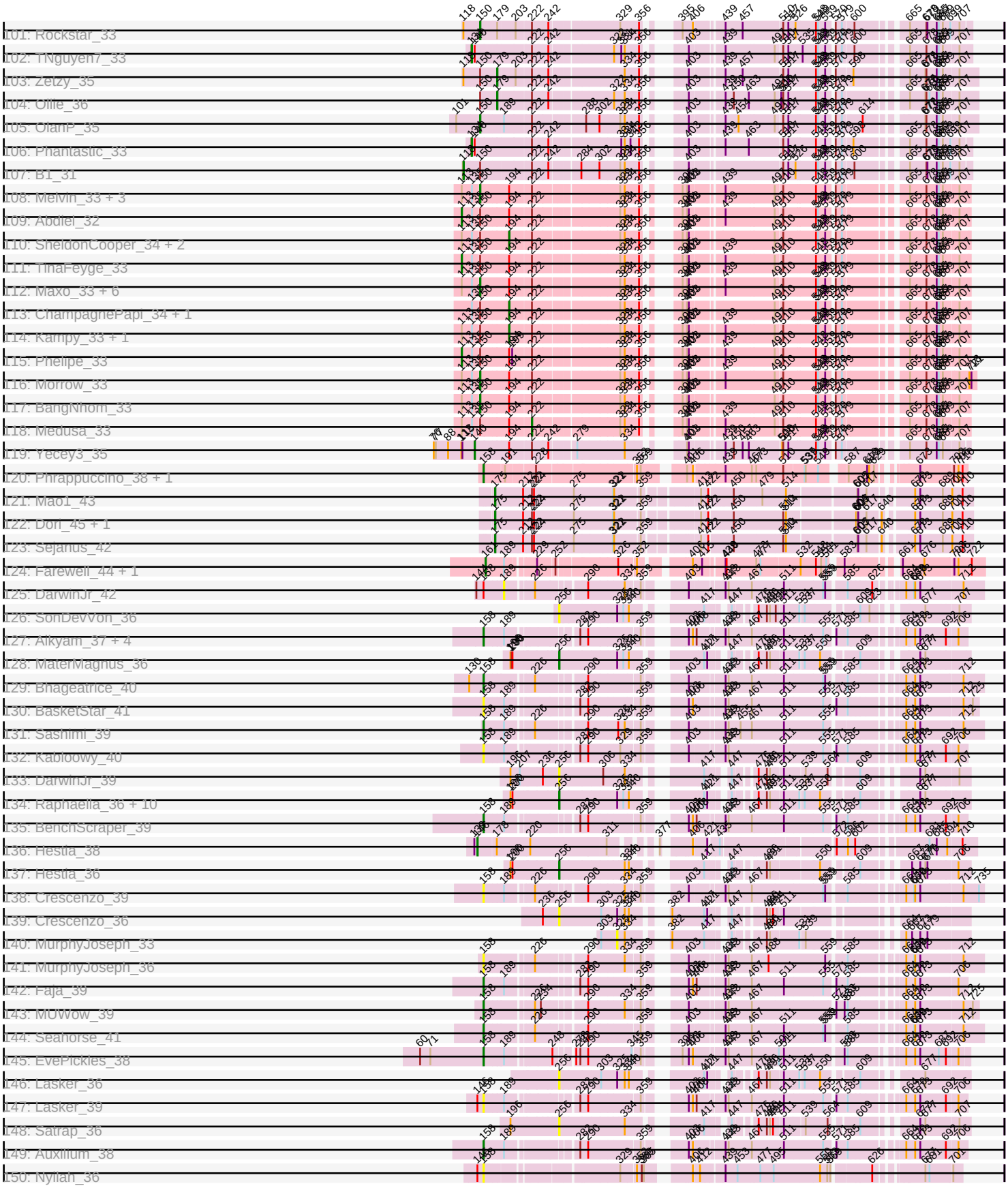
Pham 283335

1: Pharaoh_32
2: Zimmer_35
3: Kimona_30
4: Baehexic_34 + 5
5: SwirlSquare_35
6: Gratitude_34
7: Power_33
8: WeiHuaDA_38
9: XianYue_35
10: Bactobuster_35
11: Leviathan_35
12: MajorMajor_34 + 2
13: Pukovnik_35
14: KingCyrus_36
15: MissWhite_33
16: Jaan_37
17: C3_31
18: Kalpine_35
19: LionsBall_35
20: MiculOcigas_34
21: Serenity_34
22: Bugsy_36
23: TarsusIV_33
24: Leogania_35
25: AN9_36 + 4
26: Journey13_31
27: Phi8s_35
28: HippoHollow_33
29: Trixie_35
30: SnapTap_34 + 2
31: Agape74_35 + 1
32: Pomar16_37
33: Hellalump_35
34: Che12_36
35: BiancaTh92_35
36: Duplo_37
37: Drake55_36
38: Odin_33
39: QueenBeesly_34 + 1
40: Najr_37 + 2
41: Acolyte_34
42: Jsquared_34
43: Iwokeuplikedis_34
44: Sknot_34
45: Larenn_35
46: Flare16_34
47: JoshKayV_35
48: Adzzy_35
49: IronMan_36
50: Phaded_37

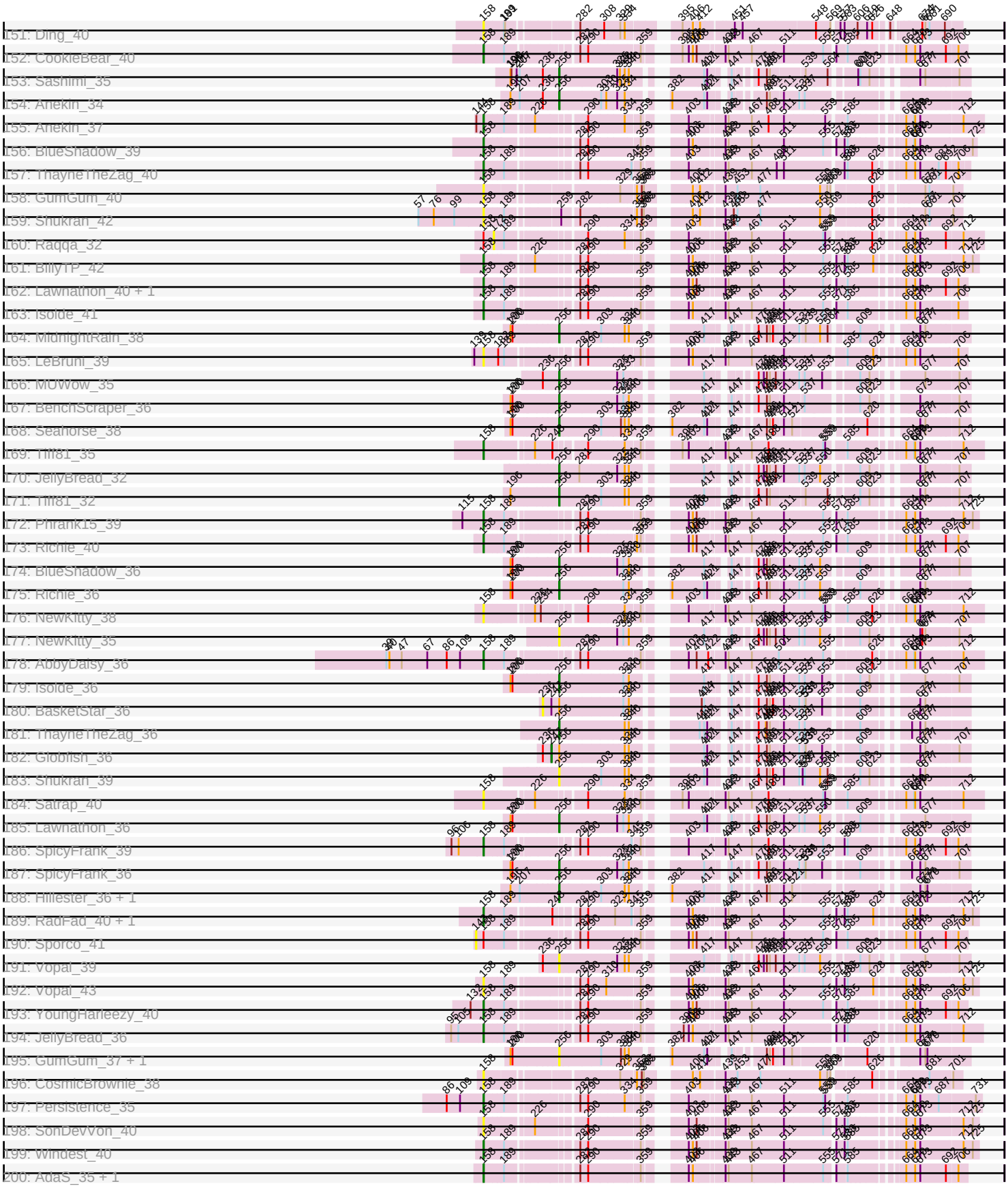
Pham 283335

51: GaugeLDP_35
52: NothingSpecial_35
53: Kerberos_37 + 1
54: Tomathan_37
55: EvilGenius_36
56: Georgie2_35
57: DBQu4n_37
58: Caraxes_33 + 1
59: Kodiuck_33 + 1
60: Turbido_34
61: Malec_36
62: Anselm_35 + 2
63: NicoleTera_37
64: Jerm_35 + 1
65: ChipMunk_36
66: Travvers_37
67: SemperFi_35
68: HarryHoudini_36
69: TipsytheTRex_33
70: Trooper_35
71: Whabigail7_34 + 1
72: DudeLittle_33
73: NaSlaTalle_34
74: Colin_37
75: Fameo_34
76: Landor_35
77: Tristan_35
78: Piro94_34
79: QueenB2_34
80: Smeagan_36
81: Vix_36 + 34
82: Grub_36 + 8
83: Heathen_33 + 2
84: Kalb97_36 + 11
85: BabyJohn_32 + 1
86: Zarafa_33 + 3
87: Microwolf_36 + 3
88: BabyRay_33
89: ClownCar_36 + 1
90: MA5_33
91: Clammy_33 + 5
92: GingkoMaracino_36 + 4
93: Jobu08_35 + 1
94: JF2_33 + 2
95: JeppNRM_36 + 1
96: Rolmos_33 + 1
97: Kachowdy_33
98: Giroux_34
99: HaveUMetTed_36
100: Isca_33

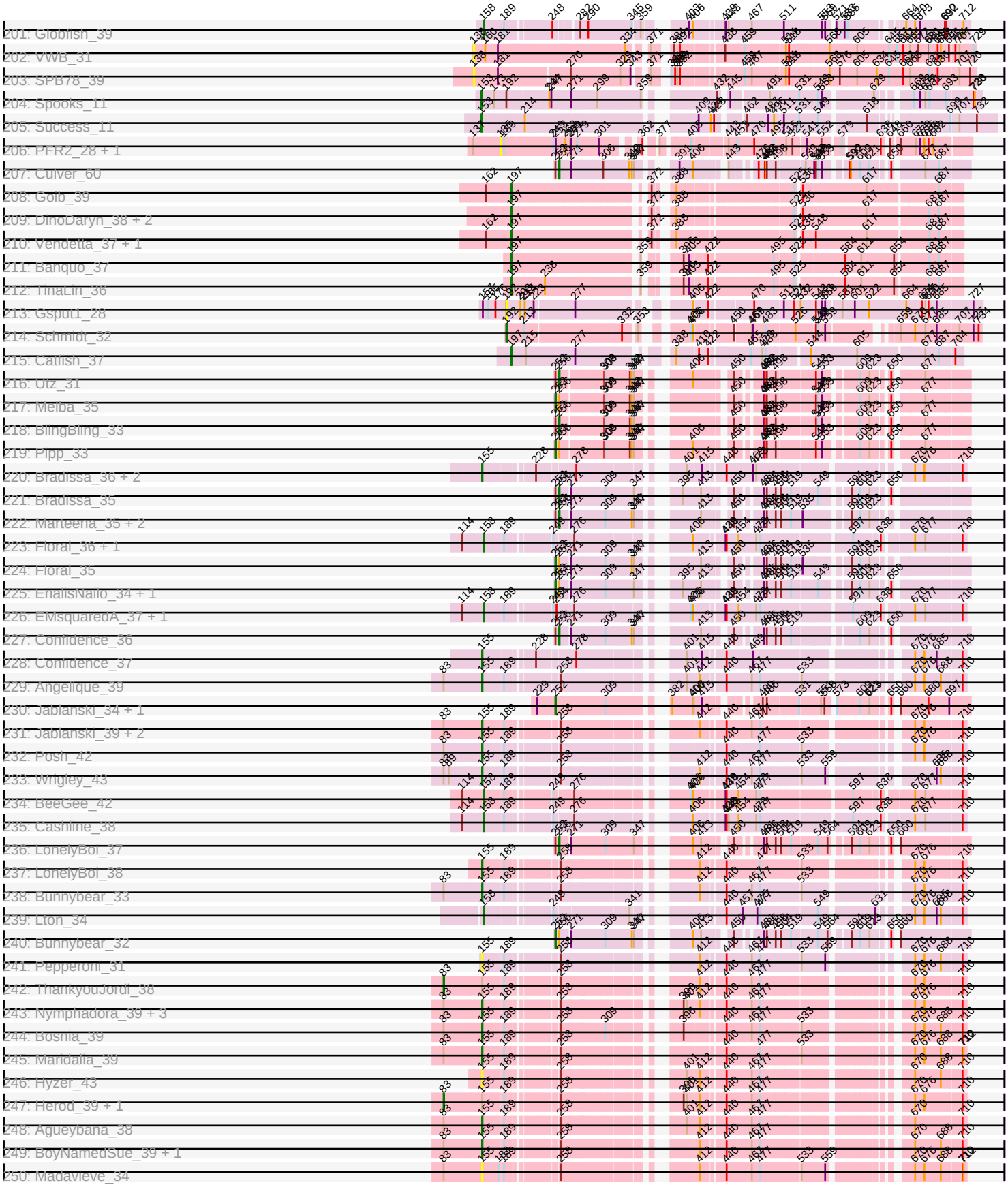
Pham 283335


I01: Rockstar_33
I02: TNguyen7_33
I03: Zetzy_35
I04: Ollie_36
I05: OlanP_35
I06: Phantastic_33
I07: B1_31
I08: Melvin_33 + 3
I09: Abdiel_32
I10: SheldonCooper_34 + 2
I11: TinaFeyge_33
I12: Maxo_33 + 6
I13: ChampagnePapi_34 + 1
I14: Kampy_33 + 1
I15: Phelipe_33
I16: Morrow_33
I17: BangNhom_33
I18: Medusa_33
I19: Yecey3_35
I20: Phrappuccino_38 + 1
I21: Mao1_43
I22: Dori_45 + 1
I23: Sejanus_42
I24: Farewell_44 + 1
I25: DarwinJr_42
I26: SonDevVon_36
I27: Alkyam_37 + 4
I28: MaterMagnus_36
I29: Bhageatrice_40
I30: BasketStar_41
I31: Sashimi_39
I32: Kabloowy_40
I33: DarwinJr_39
I34: Raphaella_36 + 10
I35: BenchScraper_39
I36: Hestia_38
I37: Hestia_36
I38: Crescenzo_39
I39: Crescenzo_36
I40: MurphyJoseph_33
I41: MurphyJoseph_36
I42: Faja_39
I43: MOWow_39
I44: Seahorse_41
I45: EvePickles_38
I46: Lasker_36
I47: Lasker_39
I48: Satrap_36
I49: Auxilium_38
I50: Nyilah_36

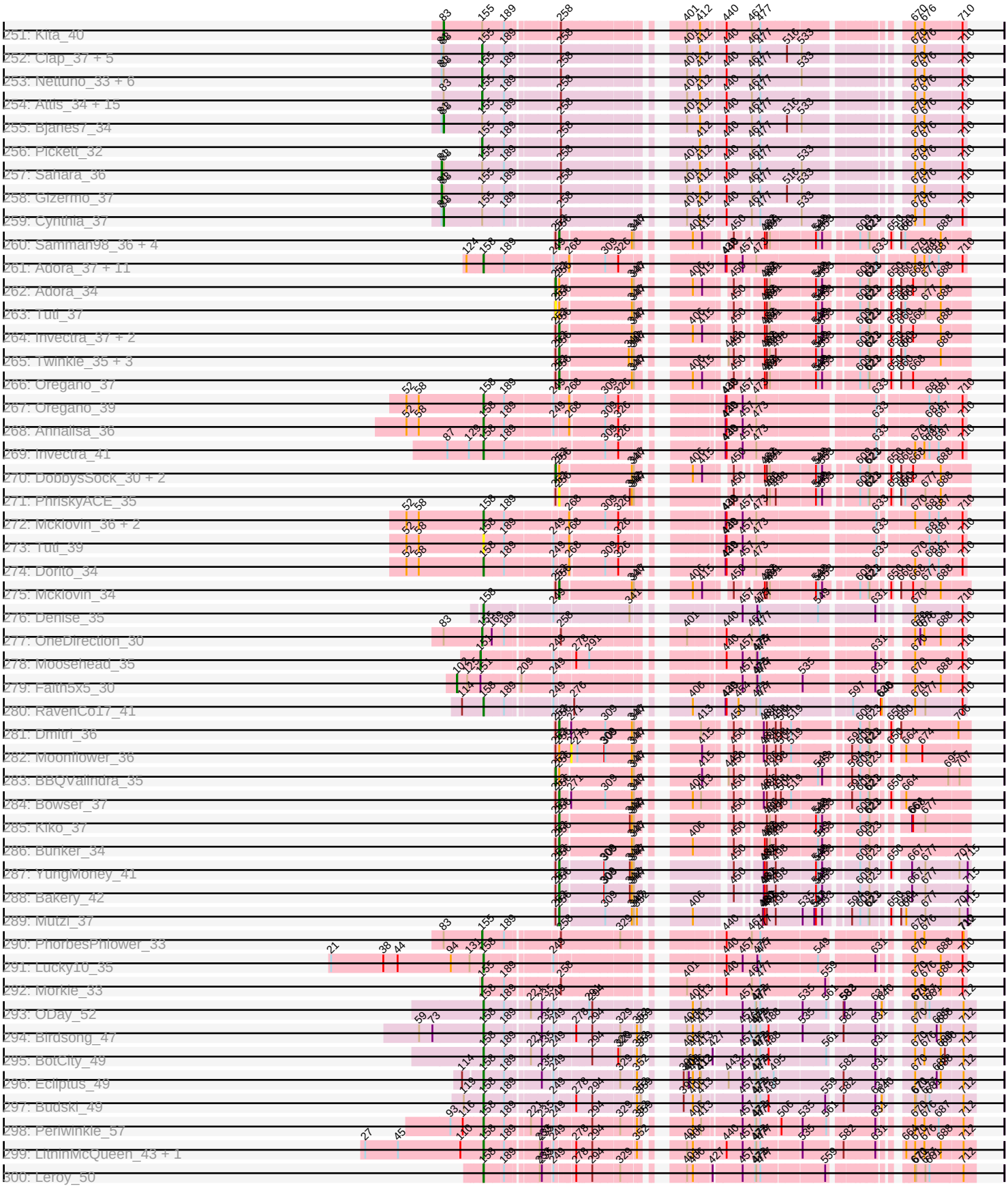
Pham 283335


151: Ding_40
152: CookieBear_40
153: Sashimi_35
154: Anekin_34
155: Anekin_37
156: BlueShadow_39
157: ThayneTheZag_40
158: GumGum_40
159: Shukran_42
160: Raqqa_32
161: BillyTP_42
162: Lawnathon_40 + 1
163: Isolde_41
164: MidnightRain_38
165: LeBrunt_39
166: MOWow_35
167: BenchScraper_36
168: Seahorse_38
169: Tim81_35
170: JellyBread_32
171: Tim81_32
172: Phrank15_39
173: Richie_40
174: BlueShadow_36
175: Richie_36
176: NewKitty_38
177: NewKitty_35
178: AbbyDaisy_36
179: Isolde_36
180: BasketStar_36
181: ThayneTheZag_36
182: Globlish_36
183: Shukran_39
184: Satrap_40
185: Lawnathon_36
186: SpicyFrank_39
187: SpicyFrank_36
188: Hillester_36 + 1
189: RadFad_40 + 1
190: Sporco_41
191: Vopal_39
192: Vopal_43
193: YoungHarleezy_40
194: JellyBread_36
195: GumGum_37 + 1
196: CosmicBrownie_38
197: Persistence_35
198: SonDevVon_40
199: Windest_40
200: AdaS_35 + 1

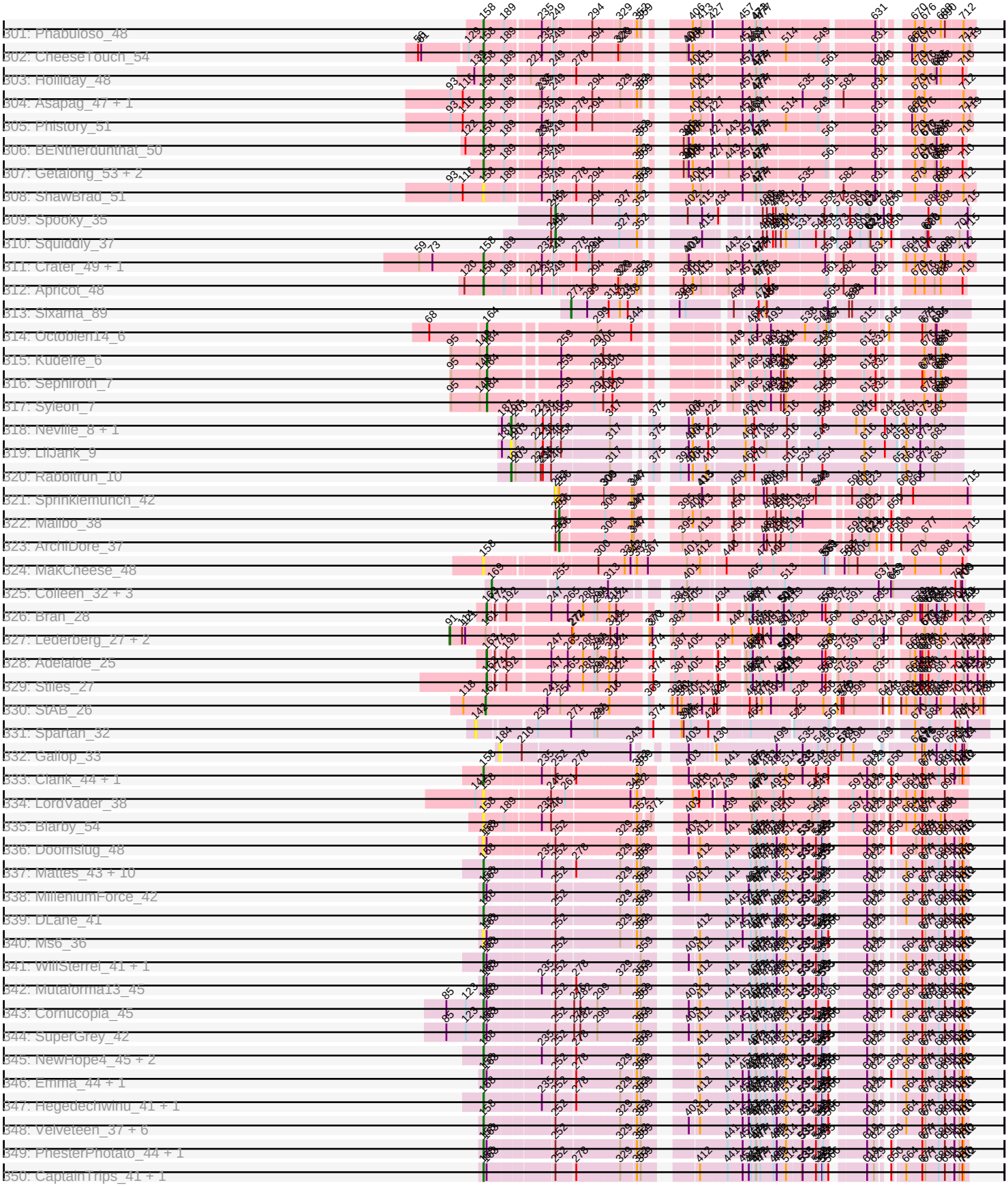
Pham 283335


201: Globfish_39
202: VWB_31
203: SPB78_39
204: Spooks_11
205: Success_11
206: PFR2_28 + 1
207: Culver_60
208: Golb_39
209: DinoDaryn_38 + 2
210: Vendetta_37 + 1
211: Banquo_37
212: TinaLin_36
213: Gsput1_28
214: Schmidt_32
215: Catfish_37
216: Otz_31
217: Melba_35
218: BlingBling_33
219: Pipp_33
220: Bradissa_36 + 2
221: Bradissa_35
222: Marteena_35 + 2
223: Floral_36 + 1
224: Floral_35
225: EnalisNallo_34 + 1
226: EMsquaredA_37 + 1
227: Confidence_36
228: Confidence_37
229: Angelique_39
230: Jablanski_34 + 1
231: Jablanski_39 + 2
232: Posh_42
233: Wrigley_43
234: BeeGee_42
235: Cashline_38
236: LonelyBoi_37
237: LonelyBoi_38
238: Bunnybear_33
239: Lion_34
240: Bunnybear_32
241: Pepperoni_31
242: ThankyouJordi_38
243: Nymphadora_39 + 3
244: Bosnia_39
245: Mandalla_39
246: Hyzer_43
247: Herod_39 + 1
248: Agueybana_38
249: BoyNamedSue_39 + 1
250: Madavieve_34

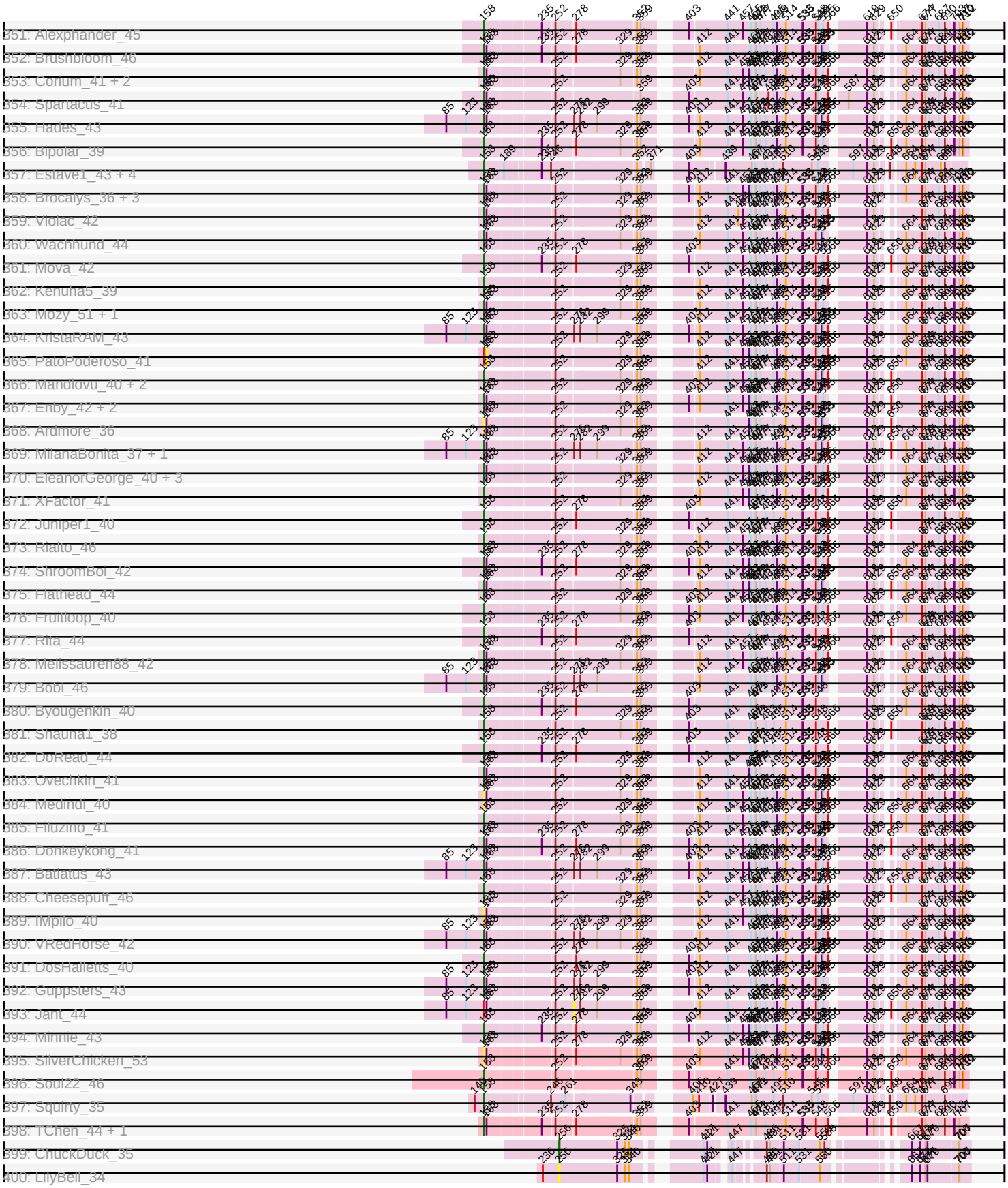
Pham 283335


251: Kita_40
252: Clap_37 + 5
253: Nettuno_33 + 6
254: Attis_34 + 15
255: Bjanes7_34
256: Pickett_32
257: Sahara_36
258: Gizermo_37
259: Cynthia_37
260: Samman98_36 + 4
261: Adora_37 + 11
262: Adora_34
263: Tutl_37
264: Invectra_37 + 2
265: Twinkie_35 + 3
266: Oregano_37
267: Oregano_39
268: Annalisa_36
269: Invectra_41
270: DobbysSock_30 + 2
271: PhriskyACE_35
272: Mcklovin_36 + 2
273: Tutl_39
274: Donto_34
275: Mcklovin_34
276: Denise_35
277: OneDirection_30
278: Moosehead_35
279: Faith5x5_30
280: RavenCo17_41
281: Dmitri_36
282: Moonflower_36
283: BBQValindra_35
284: Bowser_37
285: Kiko_37
286: Bunker_34
287: YungMoney_41
288: Bakery_42
289: Mutzi_37
290: PhorbesPhlower_33
291: Lucky10_35
292: Morkie_33
293: ODay_52
294: Birdsong_47
295: BotCity_49
296: Ecliptus_49
297: Budski_49
298: Periwinkle_57
299: LithiniMcQueen_43 + 1
300: Leroy_50

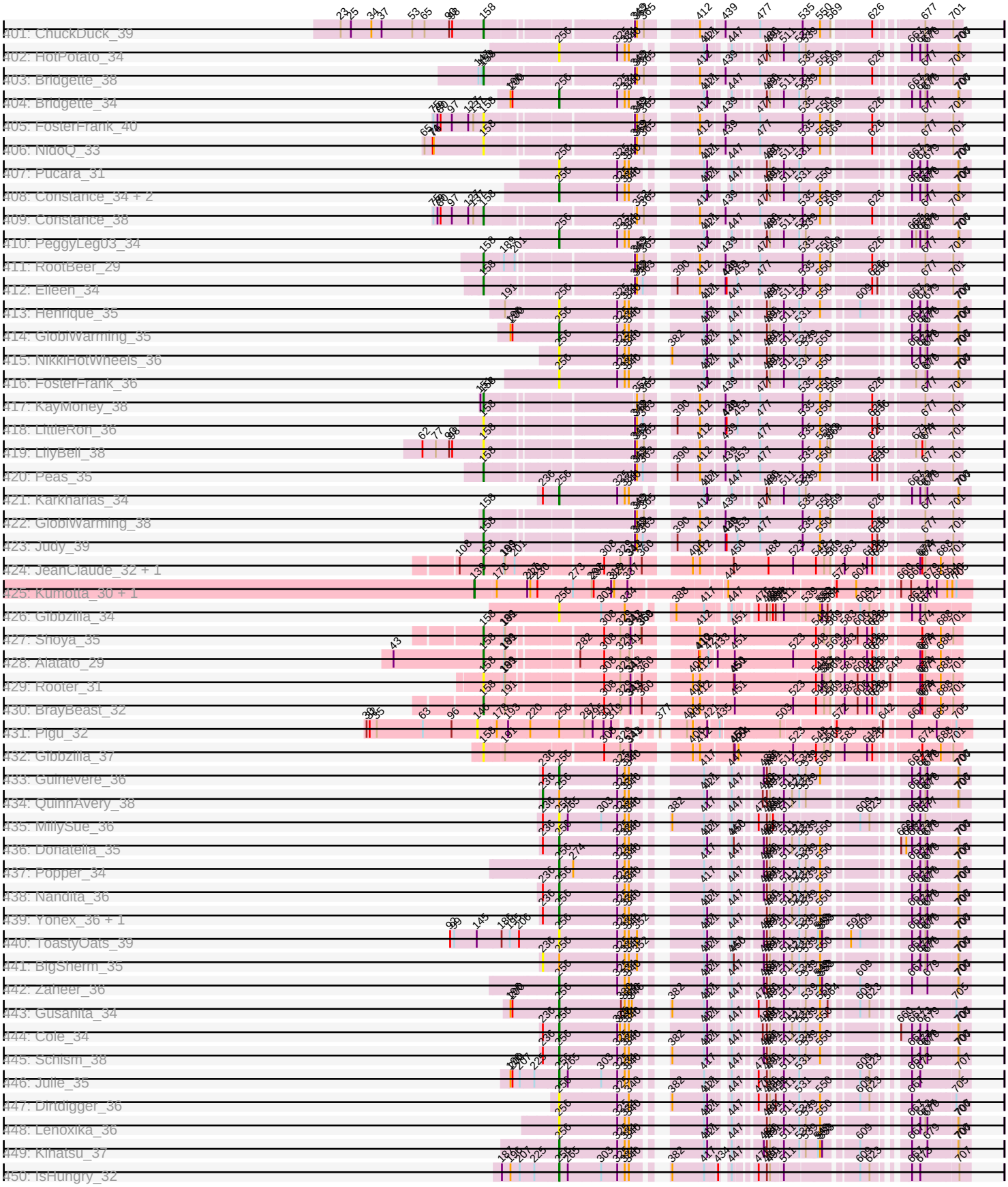
Pham 283335


301: Phabuloso_48
302: CheeseTouch_54
303: Holliday_48
304: Asapag_47 + 1
305: Phistory_51
306: BENtherdunthat_50
307: Getalong_53 + 2
308: ShawBrad_51
309: Spooky_35
310: Squiddly_37
311: Crater_49 + 1
312: Apricot_48
313: Sixama_89
314: Octobien14_6
315: Kudeire_6
316: Sephiroth_7
317: Syleon_7
318: Neville_8 + 1
319: LilJank_9
320: Rabbitrun_10
321: Sprinklemunch_42
322: Malibo_38
323: ArchiDore_37
324: MakCheese_48
325: Colleen_32 + 3
326: Bran_28
327: Lederberg_27 + 2
328: Adelaide_25
329: Stiles_27
330: StAB_26
331: Spartan_32
332: Gallop_33
333: Clank_44 + 1
334: LordVader_38
335: Blarby_54
336: Doomslug_48
337: Mattes_43 + 10
338: MilleniumForce_42
339: DLane_41
340: Ms6_36
341: WillSterrel_41 + 1
342: Mutaforma13_45
343: Cornucopia_45
344: SuperGrey_42
345: NewHope4_45 + 2
346: Emma_44 + 1
347: Hegedechwinu_41 + 1
348: Velveteen_37 + 6
349: PhesterPhotato_44 + 1
350: CaptainTrips_41 + 1

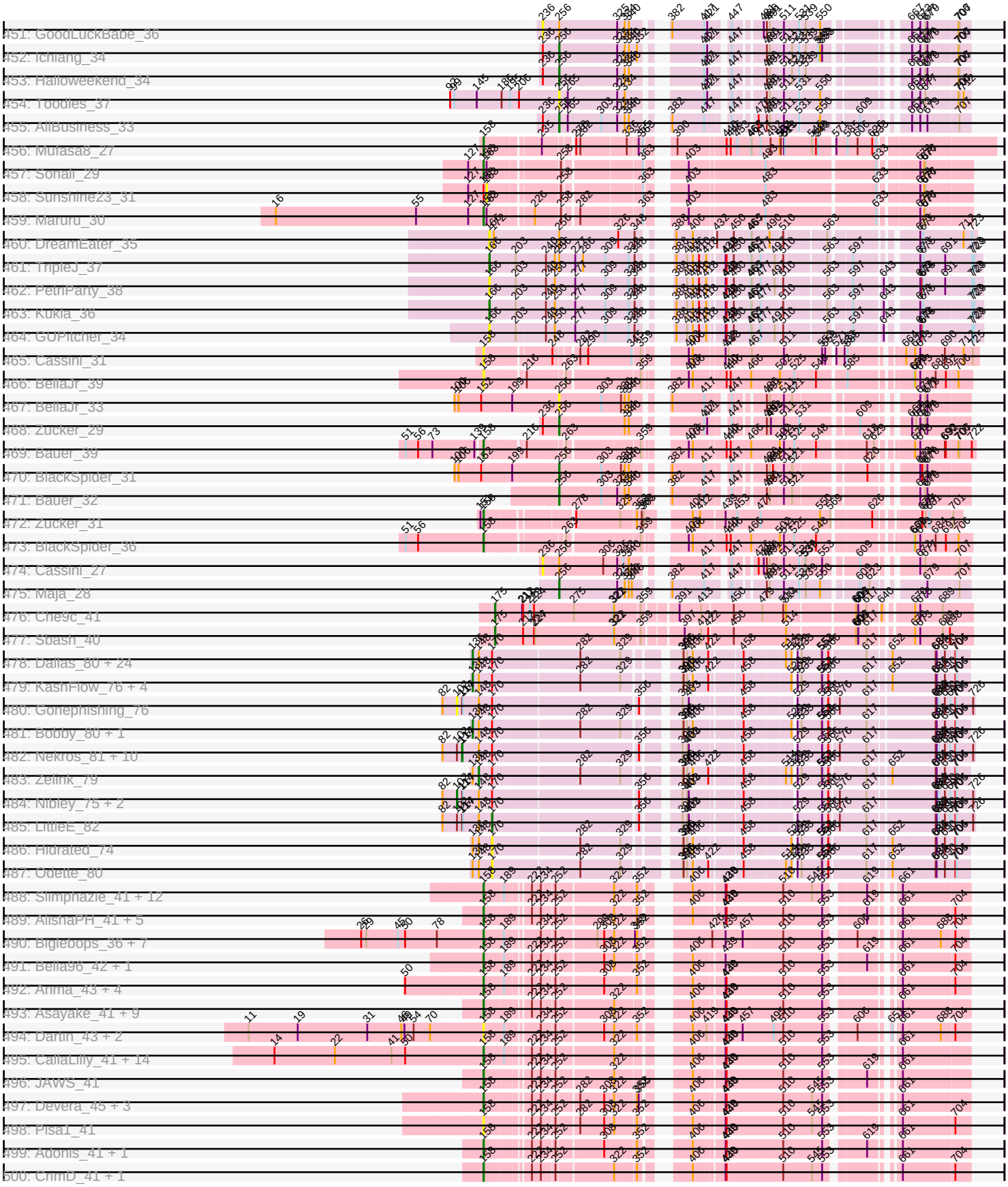
Pham 283335


351: Alexphander_45
352: Brushbloom_46
353: Conum_41 + 2
354: Spartacus_41
355: Hades_43
356: Bipolar_39
357: Estave1_43 + 4
358: Brocalys_36 + 3
359: Violac_42
360: Wachhund_44
361: Mova_42
362: Kenuha5_39
363: Mozy_51 + 1
364: KristaRAM_43
365: PatoPoderoso_41
366: Mandiovu_40 + 2
367: Enby_42 + 2
368: Ardmore_36
369: MilanaBonita_37 + 1
370: EleanorGeorge_40 + 3
371: XFactor_41
372: Juniper1_40
373: Rialto_46
374: ShroomBoi_42
375: Flathead_44
376: Fruitloop_40
377: Rita_44
378: Melissauren88_42
379: Bobi_46
380: Byougenkin_40
381: Shauna1_38
382: DoRead_44
383: Ovechkin_41
384: Medindi_40
385: Fluzino_41
386: Donkeykong_41
387: Ballatus_43
388: Cheesepuff_46
389: Mpilo_40
390: VRedHorse_42
391: DosHalletts_40
392: Guppsters_43
393: Jant_44
394: Minnie_43
395: SilverChicken_53
396: Soul22_46
397: Squirty_35
398: TChen_44 + 1
399: ChuckDuck_35
400: LilyBell_34

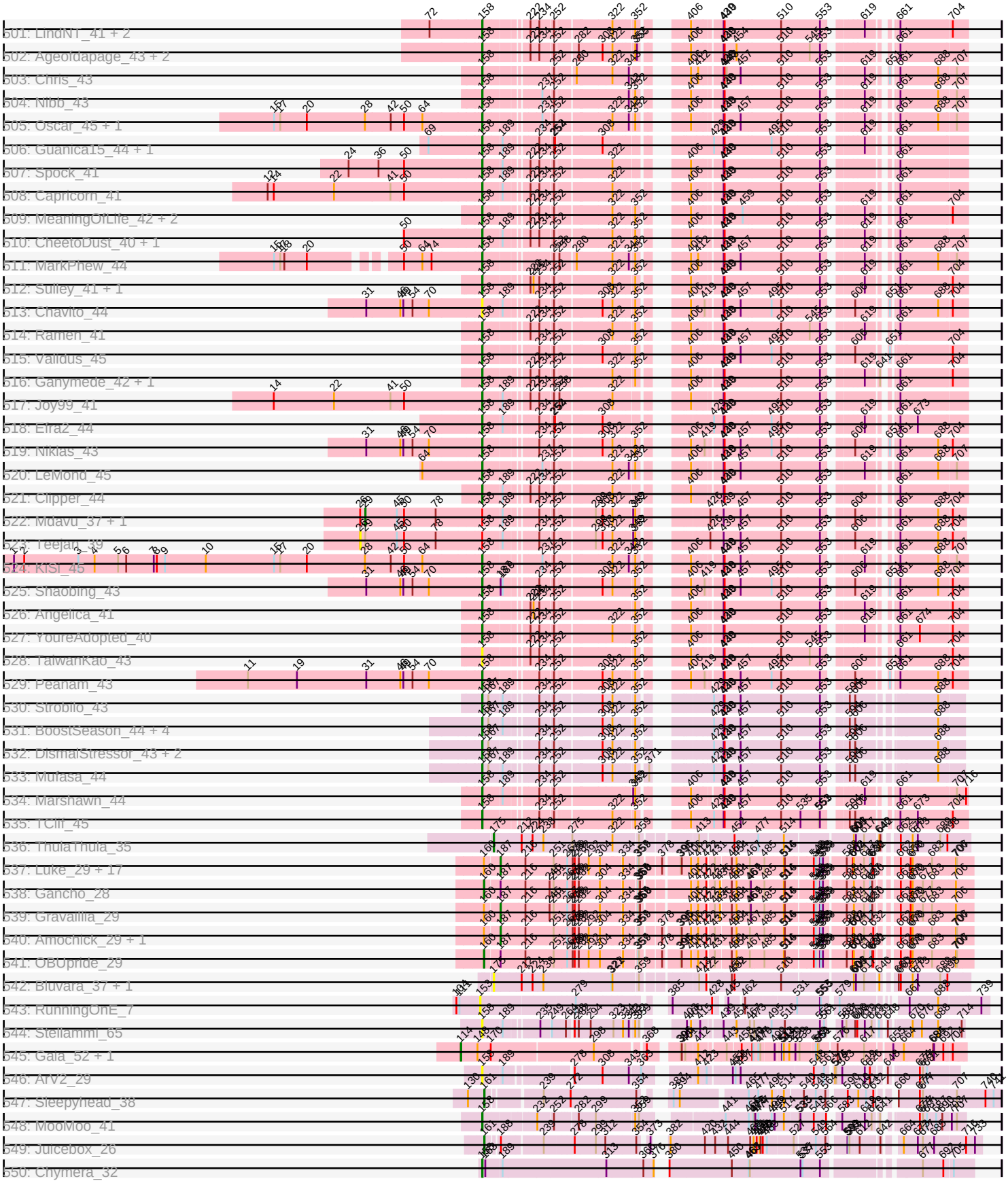
Pham 283335


401: ChuckDuck_39
402: HotPotato_34
403: Bridgette_38
404: Bridgette_34
405: FosterFrank_40
406: NiddoQ_33
407: Pucara_31
408: Constance_34 + 2
409: Constance_38
410: PeggyLeg03_34
411: RootBeer_29
412: Eileen_34
413: Henrique_35
414: GlobiWarming_35
415: NikkiHotWheels_36
416: FosterFrank_36
417: KayMoney_38
418: LittleRon_36
419: LilyBell_38
420: Peas_35
421: KarKharias_34
422: GlobiWarming_38
423: Judy_39
424: JeanClaude_32 + 1
425: Kumotta_30 + 1
426: Gibbzilla_34
427: Shoya_35
428: Alatato_29
429: Rooter_31
430: BrayBeast_32
431: Pigu_32
432: Gibbzilla_37
433: Guinevere_36
434: QuinnAvery_38
435: MillySue_36
436: Donatella_35
437: Popper_34
438: Nandita_36
439: Yonex_36 + 1
440: ToastyOats_39
441: BigSherm_35
442: Zaheer_36
443: Gusanita_34
444: Cole_34
445: Schism_38
446: Julie_35
447: Dirtdigger_36
448: Lenoxika_36
449: Kinatsu_37
450: IsHungry_32

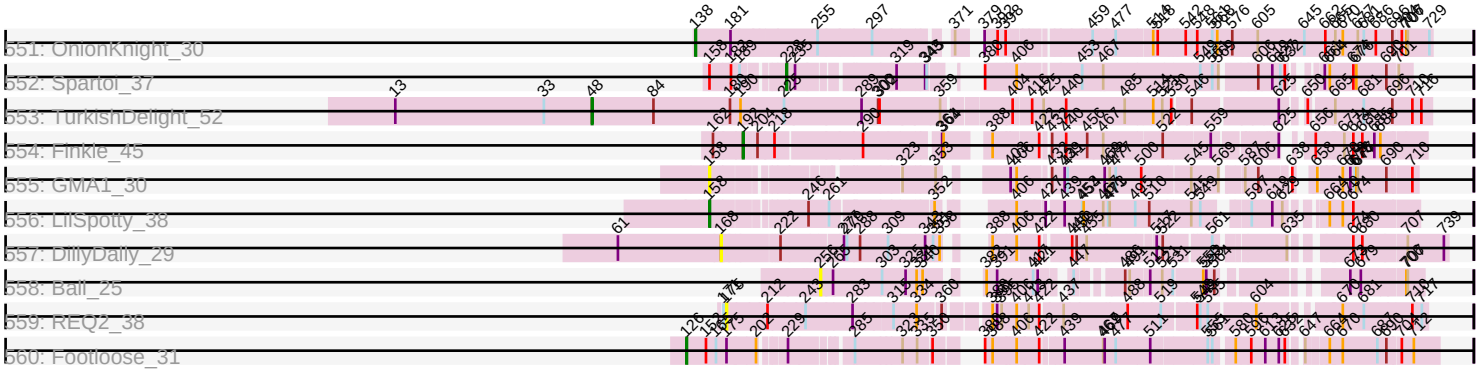
Pham 283335


451: GoodLuckBabe_36
452: Ichiang_34
453: Halloweekend_34
454: Toodles_37
455: AllBusiness_33
456: Mufasa8_27
457: Sonali_29
458: Sunshine23_31
459: Maruru_30
460: DreamEater_35
461: TripleJ_37
462: PetriParty_38
463: Kukla_36
464: GOPitcher_34
465: Cassini_31
466: BellaJr_39
467: BellaJr_33
468: Zucker_29
469: Bauer_39
470: BlackSpider_31
471: Bauer_32
472: Zucker_31
473: BlackSpider_36
474: Cassini_27
475: Maja_28
476: Che9c_41
477: Sbash_40
478: Dallas_80 + 24
479: KashFlow_76 + 4
480: Gonephishing_76
481: Bobby_80 + 1
482: Nekros_81 + 10
483: Zellnk_79
484: Nibley_75 + 2
485: LittleE_82
486: Hidrated_74
487: Odette_80
488: Slimphazie_41 + 12
489: AlishaPH_41 + 5
490: Biglebops_36 + 7
491: Bella96_42 + 1
492: Anima_43 + 4
493: Asayake_41 + 9
494: Dartin_43 + 2
495: CallaLily_41 + 14
496: JAWS_41
497: Devera_45 + 3
498: Pisa1_41
499: Adonis_41 + 1
500: ChimD_41 + 1

Pham 283335



Pham 283335


551: OnionKnight_30
552: Spartol_37
553: TurkishDelight_52
554: Finkle_45
555: GMA1_30
556: LilSpotty_38
557: DillyDally_29
558: Ball_25
559: REQ2_38
560: Footloose_31

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 283335 Report

This analysis was run 02/23/26 on database version 636.

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

Pham number 283335 has 962 members, 164 are drafts.

Phages represented in each track:
- Track 1 : Pharaoh_32
- Track 2 : Zimmer_35
- Track 3 : Kimona_30
- Track 4 : Baehexic_34, WideWale_35, Terrific_37, Centaur_35, Updawg_35, Equemioh13_35
- Track 5 : SwirlSquare_35
- Track 6 : Gratitude_34
- Track 7 : Power_33
- Track 8 : WeiHuaDA_38
- Track 9 : XianYue_35
- Track 10 : Bactobuster_35
- Track 11 : Leviathan_35
- Track 12 : MajorMajor_34, Bradman_34, Quokka_33
- Track 13 : Pukovnik_35
- Track 14 : KingCyrus_36
- Track 15 : MissWhite_33
- Track 16 : Jaan_37
- Track 17 : C3_31
- Track 18 : Kalpine_35
- Track 19 : LionsBait_35
- Track 20 : MiculUcigas_34
- Track 21 : Serenity_34
- Track 22 : Bugsy_36
- Track 23 : TarsusIV_33
- Track 24 : Leogania_35
- Track 25 : AN9_36, VC3_36, ANI8_36, AN3_33, VA6_33
- Track 26 : Journey13_31
- Track 27 : Ph8s_35
- Track 28 : HippoHollow_33
- Track 29 : Trixie_35
- Track 30 : SnapTap_34, Crucio_34, SweetiePie_34
- Track 31 : Agape74_35, AbbyPaige_35
- Track 32 : Pomar16_37

• Track 33 : Heffalump_35
• Track 34 : Che12_36
• Track 35 : BiancaTri92_35
• Track 36 : Duplo_37
• Track 37 : Drake55_36
• Track 38 : Odin_33
• Track 39 : QueenBeesly_34, FiringLine_34
• Track 40 : Naji_37, D29_33, D32_37
• Track 41 : Acolyte_34
• Track 42 : Jsquared_34
• Track 43 : Iwokeuplikedis_34
• Track 44 : Sknot_34
• Track 45 : Larenn_35
• Track 46 : Flare16_34
• Track 47 : JoshKayV_35
• Track 48 : Adzzy_35
• Track 49 : IronMan_36
• Track 50 : Phaded_37
• Track 51 : GaugeLDP_35
• Track 52 : NothingSpecial_35
• Track 53 : Kerberos_37, StarStuff_37
• Track 54 : Tomathan_37
• Track 55 : EvilGenius_36
• Track 56 : Georgie2_35
• Track 57 : DBQu4n_37
• Track 58 : Caraxes_33, Superchunk_33
• Track 59 : Koduck_33, L5_33
• Track 60 : Turbido_34
• Track 61 : Malec_36
• Track 62 : Anselm_35, Dalmatian_35, Retro23_35
• Track 63 : NicoleTera_37
• Track 64 : Jerm_35, Dignity_35
• Track 65 : ChipMunk_36
• Track 66 : Travvers_37
• Track 67 : SemperFi_35
• Track 68 : HarryHoudini_36
• Track 69 : TipsytheTRex_33
• Track 70 : Trooper_35
• Track 71 : Whabigail7_34, LilTurb_34
• Track 72 : DudeLittle_33
• Track 73 : NaSiaTalie_34
• Track 74 : Colin_37
• Track 75 : Fameo_34
• Track 76 : Landor_35
• Track 77 : Tristan_35
• Track 78 : Piro94_34
• Track 79 : QueenB2_34
• Track 80 : Smeagan_36
• Track 81 : Vix_36, Dieselweasel_36, MuchMore_38, Colbster_36, Grum1_36, JHC117_36, Grif_36, Penny1_36, EpicPhail_36, LBerry_36, Tiffany_36, AugsMagnumOpus_38, Mainiac_36, Cullens_36, LugYA_38, Snickers_36, Bigflo_36, Anubis_38, P28Green_36, Phoebe_36, Beauxregard13_36, MoneyMay_36, Marie_36, Sabinator_36, Hercules11_36, StepMih_36, MadMarie_36, Croquant_37,

PotatoSplit_37, Gwennie_35, SoYo_36, BreSam8_36, Sabia_36, Stagni_36, MarQuardt_36
• Track 82 : Grub_36, DaHudson_36, GtownJaz_36, Aglet_36, Pembroke_36, Watson_36, Lowa_36, Wooldri_38, PGHhamlin_38
• Track 83 : Heathen_33, HelDan_33, Puppy_34
• Track 84 : Kalb97_36, Reba_36, Manu_36, Marius_36, Groupthink_36, Kalnoky_36, Phranny_36, PurpleHaze_35, Pawn_35, Heliosoles_35, PhishRPhriends_34, Gemma_35
• Track 85 : BabyJohn_32, Chiqui_32
• Track 86 : Zarafa_33, Scout_33, Fred313_33, DropBear_33
• Track 87 : Microwolf_36, Lilith_36, Malinsilva_38, Farber_36
• Track 88 : BabyRay_33
• Track 89 : ClownCar_36, Calvinny_36
• Track 90 : MA5_33
• Track 91 : Clammy_33, SaturnRing_33, BlueBird_34, Idleandcovert_33, Bugatti_33, Pistachio_34
• Track 92 : GingkoMaracino_36, Fernando_36, Taurus_36, JenCasNa_36, Montavir_35
• Track 93 : Jobu08_35, SoilDragon_35
• Track 94 : JF2_33, MK4_33, JF4_33
• Track 95 : JeppNRM_36, ACFishhook_35
• Track 96 : Roimos_33, Marchesa_33
• Track 97 : Kachowdy_33
• Track 98 : Giroux_34
• Track 99 : HaveUMetTed_36
• Track 100 : Isca_33
• Track 101 : Rockstar_33
• Track 102 : TNguyen7_33
• Track 103 : Zetzy_35
• Track 104 : Ollie_36
• Track 105 : OlanP_35
• Track 106 : Phantastic_33
• Track 107 : B1_31
• Track 108 : Melvin_33, TroyPia_33, BellusTerra_33, Commander_33
• Track 109 : Abdiel_32
• Track 110 : SheldonCooper_34, Cerulean_34, Obama12_34
• Track 111 : TinaFeyge_33
• Track 112 : Maxo_33, Eurydice_33, Eagle_32, Ohfah_33, Sparxx_33, Nebs_33, Polymorphads_33
• Track 113 : ChampagnePapi_34, LHTSCC_34
• Track 114 : Kampy_33, LeoAvram_33
• Track 115 : Phelipe_33
• Track 116 : Morrow_33
• Track 117 : BangNhom_33
• Track 118 : Medusa_33
• Track 119 : Yecey3_35
• Track 120 : Phrappuccino_38, Settecandela_38
• Track 121 : Mao1_43
• Track 122 : Dori_45, Mask_46
• Track 123 : Sejanus_42
• Track 124 : Farewell_44, Sparky_45
• Track 125 : DarwinJr_42
• Track 126 : SonDevVon_36

• Track 127 : Aikyam_37, MaterMagnus_40, Gorpy_41, Raphaella_40, Sakai_40
• Track 128 : MaterMagnus_36
• Track 129 : Bhageatrice_40
• Track 130 : BasketStar_41
• Track 131 : Sashimi_39
• Track 132 : Kabloowy_40
• Track 133 : DarwinJr_39
• Track 134 : Raphaella_36, Kabloowy_36, CookieBear_36, Sakai_36, Auxilium_34, Gorpy_37, BillyTP_37, YoungHarleezy_36, Aikyam_33, Sporco_37, Mapleville_36
• Track 135 : BenchScraper_39
• Track 136 : Hestia_38
• Track 137 : Hestia_36
• Track 138 : Crescenzo_39
• Track 139 : Crescenzo_36
• Track 140 : MurphyJoseph_33
• Track 141 : MurphyJoseph_36
• Track 142 : Faja_39
• Track 143 : MUWow_39
• Track 144 : Seahorse_41
• Track 145 : EvePickles_38
• Track 146 : Lasker_36
• Track 147 : Lasker_39
• Track 148 : Satrap_36
• Track 149 : Auxilium_38
• Track 150 : Nyilah_36
• Track 151 : Ding_40
• Track 152 : CookieBear_40
• Track 153 : Sashimi_35
• Track 154 : Anekin_34
• Track 155 : Anekin_37
• Track 156 : BlueShadow_39
• Track 157 : ThayneTheZag_40
• Track 158 : GumGum_40
• Track 159 : Shukran_42
• Track 160 : Raqqa_32
• Track 161 : BillyTP_42
• Track 162 : Lawnathon_40, Mapleville_40
• Track 163 : Isolde_41
• Track 164 : MidnightRain_38
• Track 165 : LeBruni_39
• Track 166 : MUWow_35
• Track 167 : BenchScraper_36
• Track 168 : Seahorse_38
• Track 169 : Tiff81_35
• Track 170 : JellyBread_32
• Track 171 : Tiff81_32
• Track 172 : Phrank15_39
• Track 173 : Richie_40
• Track 174 : BlueShadow_36
• Track 175 : Richie_36
• Track 176 : NewKitty_38
• Track 177 : NewKitty_35
• Track 178 : AbbyDaisy_36

- Track 179 : Isolde_36
- Track 180 : BasketStar_36
- Track 181 : ThayneTheZag_36
- Track 182 : Globfish_36
- Track 183 : Shukran_39
- Track 184 : Satrap_40
- Track 185 : Lawnathon_36
- Track 186 : SpicyFrank_39
- Track 187 : SpicyFrank_36
- Track 188 : Hillester_36, RadFad_36
- Track 189 : RadFad_40, Hillester_40
- Track 190 : Sporco_41
- Track 191 : Vopal_39
- Track 192 : Vopal_43
- Track 193 : YoungHarleezy_40
- Track 194 : JellyBread_36
- Track 195 : GumGum_37, CosmicBrownie_36
- Track 196 : CosmicBrownie_38
- Track 197 : Persistence_35
- Track 198 : SonDevVon_40
- Track 199 : Windest_40
- Track 200 : AdaS_35, MidnightRain_42
- Track 201 : Globfish_39
- Track 202 : VWB_31
- Track 203 : SPB78_39
- Track 204 : Spooks_11
- Track 205 : Success_11
- Track 206 : PFR2_28, PFR1_26
- Track 207 : Culver_60
- Track 208 : Goib_39
- Track 209 : DinoDaryn_38, TZGordon_39, Huffy_38
- Track 210 : Vendetta_37, Splinter_37
- Track 211 : Banquo_37
- Track 212 : TinaLin_36
- Track 213 : Gsput1_28
- Track 214 : Schmidt_32
- Track 215 : Catfish_37
- Track 216 : Utz_31
- Track 217 : Melba_35
- Track 218 : BlingBling_33
- Track 219 : Pipp_33
- Track 220 : Bradissa_36, EnalisNailo_35, Lilas_38
- Track 221 : Bradissa_35
- Track 222 : Marteena_35, Pollux_37, EMsquaredA_36
- Track 223 : Floral_36, Pollux_38
- Track 224 : Floral_35
- Track 225 : EnalisNailo_34, Lilas_37
- Track 226 : EMsquaredA_37, Marteena_36
- Track 227 : Confidence_36
- Track 228 : Confidence_37
- Track 229 : Angelique_39
- Track 230 : Jablanski_34, Pytheas_34
- Track 231 : Jablanski_39, WelcomeAyanna_38, Pytheas_39

• Track 232 : Posh_42
• Track 233 : Wrigley_43
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• Track 235 : Cashline_38
• Track 236 : LonelyBoi_37
• Track 237 : LonelyBoi_38
• Track 238 : Bunnybear_33
• Track 239 : Lton_34
• Track 240 : Bunnybear_32
• Track 241 : Pepperoni_31
• Track 242 : ThankyouJordi_38
• Track 243 : Nymphadora_39, Hugley_36, Eviarto_39, TimTam_39
• Track 244 : Bosnia_39
• Track 245 : Maridalia_39
• Track 246 : Hyzer_43
• Track 247 : Herod_39, BatStarr_39
• Track 248 : Agueybana_38
• Track 249 : BoyNamedSue_39, AlumE_39
• Track 250 : Madavieve_34
• Track 251 : Kita_40
• Track 252 : Clap_37, GemG_37, Ebert_39, Lamberg_33, Mocha12_37, Haley23_37
• Track 253 : Nettuno_33, Savage_37, Sproutie_37, Matteo_30, Jalleen_36, TuertoX_37, Whiteclaw_37
• Track 254 : Attis_34, Eudoria_39, EdnaMode_33, Neobush_39, Suscepit_39, Bialota_37, Zameen_39, Zirinka_36, Antonio_39, Tayonia_39, Manasvini_39, SoilAssassin_34, Polly_36, Trumpet_39, LordFarquaad_35, Yeet412_34
• Track 255 : Bjanes7_34
• Track 256 : Pickett_32
• Track 257 : Sahara_36
• Track 258 : Gizermo_37
• Track 259 : Cynthia_37
• Track 260 : Samman98_36, Annalisa_34, Dolores_37, Thimann_34, WinkNick_38
• Track 261 : Adora_37, Samman98_40, Dolores_40, WinkNick_41, Howe_40, Beenie_33, Clark_39, Shlim410_38, Sekhmet_40, MichaelScott_40, Hortense_40, Twinkle_39
• Track 262 : Adora_34
• Track 263 : Tuti_37
• Track 264 : Invectra_37, MichaelScott_36, Beenie_30
• Track 265 : Twinkle_35, Howe_36, Shlim410_35, Hortense_36
• Track 266 : Oregano_37
• Track 267 : Oregano_39
• Track 268 : Annalisa_36
• Track 269 : Invectra_41
• Track 270 : DobbysSock_30, Dorito_32, Clark_36
• Track 271 : PhriskyACE_35
• Track 272 : Mcklovin_36, Thimann_36, DobbysSock_31
• Track 273 : Tuti_39
• Track 274 : Dorito_34
• Track 275 : Mcklovin_34
• Track 276 : Denise_35
• Track 277 : OneDirection_30
• Track 278 : Moosehead_35
• Track 279 : Faith5x5_30

- Track 280 : RavenCo17_41
- Track 281 : Dmitri_36
- Track 282 : Moonflower_36
- Track 283 : BBQValindra_35
- Track 284 : Bowser_37
- Track 285 : Kiko_37
- Track 286 : Bunker_34
- Track 287 : YungMoney_41
- Track 288 : Bakery_42
- Track 289 : Mutzi_37
- Track 290 : PhorbesPhlower_33
- Track 291 : Lucky10_35
- Track 292 : Morkie_33
- Track 293 : ODay_52
- Track 294 : Birdsong_47
- Track 295 : BotCity_49
- Track 296 : Ecliptus_49
- Track 297 : Budski_49
- Track 298 : Periwinkle_57
- Track 299 : LitninMcQueen_43, Kamaru_44
- Track 300 : Leroy_50
- Track 301 : Phabuloso_48
- Track 302 : CheeseTouch_54
- Track 303 : Holliday_48
- Track 304 : Asapag_47, Frickyeah_52
- Track 305 : Phistory_51
- Track 306 : BENtherdunthat_50
- Track 307 : Getalong_53, Kenna_49, Lutum_50
- Track 308 : ShawBrad_51
- Track 309 : Spooky_35
- Track 310 : Squiddly_37
- Track 311 : Crater_49, Horus_48
- Track 312 : Apricot_48
- Track 313 : Sixama_89
- Track 314 : Octobien14_6
- Track 315 : Kudefre_6
- Track 316 : Sephiroth_7
- Track 317 : Syleon_7
- Track 318 : Neville_8, Trax_8
- Track 319 : LilJank_9
- Track 320 : Rabbitrun_10
- Track 321 : Sprinklemunch_42
- Track 322 : Malibo_38
- Track 323 : ArchiDore_37
- Track 324 : MakCheese_48
- Track 325 : Colleen_32, TouchMeNot_32, Arianna_32, Poushou_32
- Track 326 : Bran_28
- Track 327 : Lederberg_27, Troy_27, SamW_27
- Track 328 : Adelaide_25
- Track 329 : Stiles_27
- Track 330 : StAB_26
- Track 331 : Spartan_32
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• Track 333 : Clank_44, SimranZ1_43
• Track 334 : LordVader_38
• Track 335 : Blarby_54
• Track 336 : Doomslug_48
• Track 337 : Mattes_43, SwagPigglett_45, Saal_43, Gorge_43, DRBy19_43, Jennelsea_37, BobaPhett_43, Zizzle_44, Philus_43, Whatsapiecost_41, James_43
• Track 338 : MilleniumForce_42
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• Track 340 : Ms6_36
• Track 341 : WillSterrel_41, IrishSherpFalk_41
• Track 342 : Mutaforma13_45
• Track 343 : Cornucopia_45
• Track 344 : SuperGrey_42
• Track 345 : NewHope4_45, Enzomatic_49, Polo2Bam_48
• Track 346 : Emma_44, Moonbeam_41
• Track 347 : Hegedechwinu_41, Juice456_44
• Track 348 : Velveteen_37, Coco12_40, Kingsley_38, Sarma624_38, Cerasum_38, BigPhil_38, Brookers_39
• Track 349 : PhesterPhotato_44, Phalconet_41
• Track 350 : CaptainTrips_41, MinionDave_43
• Track 351 : Alexphander_45
• Track 352 : Brushbloom_46
• Track 353 : Corium_41, KingJulian_42, Phanphagia_37
• Track 354 : Spartacus_41
• Track 355 : Hades_43
• Track 356 : Bipolar_39
• Track 357 : Estave1_43, Renaud18_46, DeadP_46, Wee_46, Taj_45
• Track 358 : Brocalys_36, Clifton_35, LastJedi_34, Pippy_38
• Track 359 : Violac_42
• Track 360 : Wachhund_44
• Track 361 : Mova_42
• Track 362 : Kenuha5_39
• Track 363 : Mozy_51, StAnnes_42
• Track 364 : KristaRAM_43
• Track 365 : PatoPoderoso_41
• Track 366 : Mandlovu_40, Hlubikazi_41, Strokeseat_41
• Track 367 : Enby_42, Lorde_42, SG4_40
• Track 368 : Ardmore_36
• Track 369 : MilanaBonita_37, Akhila_37
• Track 370 : EleanorGeorge_40, Beakin_43, LunaBlu_46, Galactic_43
• Track 371 : XFactor_41
• Track 372 : Juniper1_40
• Track 373 : Rialto_46
• Track 374 : ShroomBoi_42
• Track 375 : Flathead_44
• Track 376 : Fruitloop_40
• Track 377 : Rita_44
• Track 378 : Melissauren88_42
• Track 379 : Bobi_46
• Track 380 : Byougenkin_40
• Track 381 : Shauna1_38
• Track 382 : DoRead_44
• Track 383 : Ovechkin_41

- Track 384 : Medindi_40
- Track 385 : Filuzino_41
- Track 386 : Donkeykong_41
- Track 387 : Batiatus_43
- Track 388 : Cheesepuff_46
- Track 389 : IMpilo_40
- Track 390 : VRedHorse_42
- Track 391 : DosHalletts_40
- Track 392 : Guppsters_43
- Track 393 : Jant_44
- Track 394 : Minnie_43
- Track 395 : SilverChicken_53
- Track 396 : Soul22_46
- Track 397 : Squirty_35
- Track 398 : TChen_44, LunaStella_42
- Track 399 : ChuckDuck_35
- Track 400 : LilyBell_34
- Track 401 : ChuckDuck_39
- Track 402 : HotPotato_34
- Track 403 : Bridgette_38
- Track 404 : Bridgette_34
- Track 405 : FosterFrank_40
- Track 406 : NidoQ_33
- Track 407 : Pucara_31
- Track 408 : Constance_34, KayMoney_35, Judy_35
- Track 409 : Constance_38
- Track 410 : PeggyLeg03_34
- Track 411 : RootBeer_29
- Track 412 : Eileen_34
- Track 413 : Henrique_35
- Track 414 : GlobiWarming_35
- Track 415 : NikkiHotWheels_36
- Track 416 : FosterFrank_36
- Track 417 : KayMoney_38
- Track 418 : LittleRon_36
- Track 419 : LilyBell_38
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- Track 421 : Karkharias_34
- Track 422 : GlobiWarming_38
- Track 423 : Judy_39
- Track 424 : JeanClaude_32, Sarge_28
- Track 425 : Kumotta_30, MargaretKali_30
- Track 426 : Gibbzilla_34
- Track 427 : Shoya_35
- Track 428 : Alatato_29
- Track 429 : Rooter_31
- Track 430 : BrayBeast_32
- Track 431 : Pigu_32
- Track 432 : Gibbzilla_37
- Track 433 : Guinevere_36
- Track 434 : QuinnAvery_38
- Track 435 : MillySue_36
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• Track 437 : Popper_34
• Track 438 : Nandita_36
• Track 439 : Yonex_36, Ryan_36
• Track 440 : ToastyOats_39
• Track 441 : BigSherm_35
• Track 442 : Zaheer_36
• Track 443 : Gusanita_34
• Track 444 : Cole_34
• Track 445 : Schism_38
• Track 446 : Julie_35
• Track 447 : Dirtdigger_36
• Track 448 : Lenoxika_36
• Track 449 : Kihatsu_37
• Track 450 : IsHungry_32
• Track 451 : GoodLuckBabe_36
• Track 452 : Ichiang_34
• Track 453 : Halloweekend_34
• Track 454 : Toodles_37
• Track 455 : AllBusiness_33
• Track 456 : Mufasa8_27
• Track 457 : Sonali_29
• Track 458 : Sunshine23_31
• Track 459 : Maruru_30
• Track 460 : DreamEater_35
• Track 461 : TripleJ_37
• Track 462 : PetriParty_38
• Track 463 : Kukla_36
• Track 464 : GUPitcher_34
• Track 465 : Cassini_31
• Track 466 : BellaJr_39
• Track 467 : BellaJr_33
• Track 468 : Zucker_29
• Track 469 : Bauer_39
• Track 470 : BlackSpider_31
• Track 471 : Bauer_32
• Track 472 : Zucker_31
• Track 473 : BlackSpider_36
• Track 474 : Cassini_27
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• Track 476 : Che9c_41
• Track 477 : Sbash_40
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• Track 479 : KashFlow_76, Constella_68, Ejimix_81, Xiaokay_72, Thibault_69
• Track 480 : Gonephishing_76
• Track 481 : Bobby_80, Marleymoo_72
• Track 482 : Nekros_81, Shaboozey_79, Courthouse_82, MiaZeal_87, Hannaconda_75, BronnyJames_80, Omega_85, Ariel_86, Lucky2013_84, Porcelain_86, Squint_87
• Track 483 : Zelink_79

• Track 484 : Nibley_75, Rearden_78, Superphikiman_84
• Track 485 : LittleE_82
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• Track 487 : Odette_80
• Track 488 : Slimphazie_41, BarrelRoll_41, TruffulaTree_41, Adephagia_41, ActinUp_41, Atiba_41, Tachez_41, Padpat_42, HedwigODU_41, Jayhawk_42, Rapunzel97_41, Veliki_41, Emerson_42
• Track 489 : AlishaPH_41, Beezoo_43, Tiri_42, Geraldini_43, Apocalypse_44, Pokerus_40
• Track 490 : Biglebops_36, Torres_39, LilPharaoh_36, SgtBeansprout_36, Amelie_36, Nikao_39, Enkosi_39, Nutello_36
• Track 491 : Bella96_42, DartGoblin_43
• Track 492 : Anma_43, DrHayes_42, SamuelLPlaqson_42, TiniBug_42, Urkel_42
• Track 493 : Asayake_41, Durfee_41, BEEST_41, Hyperbowlee_41, Padfoot_41, Blizzard_41, CaseJules_42, ShiaSurprise_42, Boiiii_41, Piatt_41
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• Track 495 : CallaLilly_41, CREW_41, Topper_41, Dalmuri_41, Rosmarinus_41, Belladonna_41, Inky_41, Homura_41, Lunahalos_41, Jeckyll_41, Peel_41, Llorens_41, BGlluviae_41, Jarvi_41, Twitch_41
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• Track 497 : Devera_45, Dole_44, Illumine_44, Stinson_42
• Track 498 : Pisa1_41
• Track 499 : Adonis_41, Anaya_43
• Track 500 : CrimD_41, Megsy_42
• Track 501 : LindNT_41, TreyKay_42, Prithvi_42
• Track 502 : Ageofdapage_43, LaterM_42, Murucutumbu_42
• Track 503 : Chris_43
• Track 504 : Nibb_43
• Track 505 : Oscar_45, Scarlett_45
• Track 506 : Guanica15_44, Yunkel11_44
• Track 507 : Spock_41
• Track 508 : Capricorn_41
• Track 509 : MeaningOfLife_42, Zavala_42, Mynx_42
• Track 510 : CheetoDust_40, BaghaKamala_40
• Track 511 : MarkPhew_44
• Track 512 : Sulley_41, Deby_41
• Track 513 : Chavito_44
• Track 514 : Ramen_41
• Track 515 : Validus_45
• Track 516 : Ganymede_42, QuincyRose_40
• Track 517 : Joy99_41
• Track 518 : Efra2_44
• Track 519 : Niklas_43
• Track 520 : LeMond_45
• Track 521 : Clipper_44
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• Track 523 : Teejan_39
• Track 524 : KiSi_45
• Track 525 : Shaobing_43
• Track 526 : Angelica_41
• Track 527 : YoureAdopted_40
• Track 528 : TaiwanKao_43
• Track 529 : Peanam_43

• Track 530 : Strobilo_43
• Track 531 : BoostSeason_44, Doughnut_44, Findley_43, Milly_43, ZoeJ_43
• Track 532 : DismalStressor_43, Marcoliusprime_43, DismalFunk_43
• Track 533 : Mufasa_44
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• Track 535 : TClif_45
• Track 536 : ThulaThula_35
• Track 537 : Luke_29, Amymech_29, Giles_29, Webster2_29, Hadrien_29, LilHazelnut_29, Forge_29, Kinbote_29, BloominB_29, DeepSoil15_29, Evanesce_29, Wishmaker_29, Ein37_29, Dewey_29, HH92_29, Hail_29, Luna22_29, Ubuntu_29
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• Track 540 : Amochick_29, Daegal_30
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• Track 548 : MooMoo_41
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• Track 552 : Spartoi_37
• Track 553 : TurkishDelight_52
• Track 554 : Finkle_45
• Track 555 : GMA1_30
• Track 556 : LilSpotty_38
• Track 557 : DillyDally_29
• Track 558 : Ball_25
• Track 559 : REQ2_38
• Track 560 : Footloose_31

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

The start number called the most often in the published annotations is 158, it was called in 315 of the 798 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_36, ActinUp_41, AdaS_35, Adephagia_41, Adonis_41, Adora_37, Ageofdapage_43, Aikyam_37, Akhila_37, Alatato_29, Alexphander_45, AlishaPH_41, Amelie_36, Anaya_43, Anekin_37, Angelica_41, Anma_43, Annalisa_36, Apocalypse_44, Apricot_48, ArV2_29, Ardmore_36, Asapag_47, Asayake_41, Atiba_41, Auxilium_38, BEEST_41, BENtherdunthat_50, BGlluviae_41, BaghaKamala_40, BarrelRoll_41, BasketStar_41, Batiatus_43, Bauer_39, Beakin_43, BeeGee_42, Beenie_33, Beezoo_43, Bella96_42, BellaJr_39, Belladonna_41, BenchScraper_39, Bhageatrice_40, BigPhil_38, Biglebops_36, BillyTP_42, Bipolar_39, Birdsong_47, BlackSpider_36, Blarby_54, Blizzard_41, BlueShadow_39, BobaPhett_43, Bobi_46, Boiiii_41, BoostSeason_44, BotCity_49, BrayBeast_32,

Bridgette_38, Brocalys_36, Brookers_39, Brushbloom_46, Budski_49, Byougenkin_40, CREW_41, CallaLilly_41, Capricorn_41, CaptainTrips_41, CaseJules_42, Cashline_38, Cassini_31, Cerasum_38, Chavito_44, CheeseTouch_54, Cheesepuff_46, CheetoDust_40, Chris_43, ChuckDuck_39, Chymera_32, Clank_44, Clark_39, Clifton_35, Clipper_44, Coco12_40, Constance_38, CookieBear_40, Corium_41, Cornucopia_45, CosmicBrownie_38, Crater_49, Crescenzo_39, CrimD_41, DLane_41, DRBy19_43, Dalmuri_41, DartGoblin_43, Dartin_43, DeadP_46, Deby_41, Denise_35, Devera_45, Ding_40, DismalFunk_43, DismalStressor_43, DoRead_44, DobbysSock_31, Dole_44, Dolores_40, Donkeykong_41, Doomslug_48, Dorito_34, DosHalletts_40, Doughnut_44, DrHayes_42, Durfee_41, EMsquaredA_37, Ecliptus_49, Efra2_44, Eileen_34, EleanorGeorge_40, Emerson_42, Emma_44, Enby_42, Enkosi_39, Enzomatic_49, Estave1_43, EvePickles_38, Faja_39, Filuzino_41, Findley_43, Flathead_44, Floral_36, FosterFrank_40, Frickyeah_52, Fruitloop_40, GMA1_30, Galactic_43, Ganymede_42, Geraldini_43, Getalong_53, Gibbzilla_37, Globfish_39, GlobiWarming_38, Gorge_43, Gorpy_41, Guanica15_44, GumGum_40, Guppsters_43, Hades_43, HedwigODU_41, Hegedechwinu_41, Hillester_40, Hlubikazi_41, Holliday_48, Homura_41, Hortense_40, Horus_48, Howe_40, Hyperbowlee_41, IMpilo_40, Illumine_44, Inky_41, Invectra_41, IrishSherpFalk_41, Isolde_41, JAWS_41, James_43, Jarvi_41, Jayhawk_42, JeanClaude_32, Jeckyll_41, JellyBread_36, Jennelsea_37, Joy99_41, Judy_39, Juice456_44, Juniper1_40, Kabloowy_40, Kamaru_44, KayMoney_38, Kenna_49, Kenuha5_39, KiSi_45, KingJulian_42, Kingsley_38, KristaRAM_43, Lasker_39, LastJedi_34, LaterM_42, Lawnathon_40, LeBruni_39, LeMond_45, Leroy_50, LilPharaoh_36, LilSpotty_38, LilyBell_38, LindNT_41, LitninMcQueen_43, LittleRon_36, Llorens_41, LordVader_38, Lorde_42, Lton_34, Lucky10_35, LunaBlu_46, LunaStella_42, Lunahalos_41, Lutum_50, MUWow_39, MakCheese_48, Mandlovu_40, Mapleville_40, Marcoliusprime_43, MarkPhew_44, Marshawn_44, Marteena_36, Maruru_30, MaterMagnus_40, Mattes_43, McMater_43, Mcklovin_36, MeaningOfLife_42, Medindi_40, Megsy_42, Melissauren88_42, MichaelScott_40, MidnightRain_42, MilanaBonita_37, MilleniumForce_42, Milly_43, MinionDave_43, Minnie_43, MooMoo_41, Moonbeam_41, Mova_42, Mozy_51, Ms6_36, Mufasa8_27, Mufasa_44, MurphyJoseph_36, Murucutumbu_42, Mutaforma13_45, Mynx_42, NewHope4_45, NewKitty_38, Nibb_43, NidoQ_33, Nikao_39, Niklas_43, Nutello_36, Nyilah_36, ODay_52, Oregano_39, Oscar_45, Ovechkin_41, Padfoot_41, Padpat_42, Peanam_43, Peas_35, Peel_41, Periwinkle_57, Persistence_35, Phabuloso_48, Phalconet_41, Phanphagia_37, PhesterPhotato_44, Philus_43, Phistory_51, Phrank15_39, Phrappuccino_38, Piatt_41, Pippy_38, Pisa1_41, Pokerus_40, Pollux_38, Polo2Bam_48, Prithvi_42, QuincyRose_40, RadFad_40, Ramen_41, Raphaella_40, Rapunzel97_41, RavenCo17_41, Renaud18_46, Rialto_46, Richie_40, Richo_43, Rita_44, RootBeer_29, Rooter_31, Rosmarinus_41, SG4_40, Saal_43, Sakai_40, Samman98_40, SamuelLPlaqson_42, Sarge_28, Sarma624_38, Sashimi_39, Satrap_40, Scarlett_45, Seahorse_41, Sekhmet_40, Settecandela_38, SgtBeansprout_36, Shaobing_43, Shauna1_38, ShawBrad_51, ShiaSurprise_42, Shlim410_38, Shoya_35, ShroomBoi_42, Shukran_42, SilverChicken_53, SimranZ1_43, Slimphazie_41, SonDevVon_40, Sonali_29, Soul22_46, Spartacus_41, SpicyFrank_39, Spock_41, Squirty_35, StAnnes_42, Stellammi_65, Stinson_42, Strobilo_43, Strokeseat_41, Sulley_41, SuperGrey_42, SwagPigglett_45, TChen_44, TClif_45, Tachez_41, TaiwanKao_43, Taj_45, ThayneTheZag_40, Thimann_36, Tiff81_35, TiniBug_42, Tiri_42, Topper_41, Torres_39, TreyKay_42, TruffulaTree_41, Tuti_39, Twinkle_39, Twitch_41, Urkel_42, VRedHorse_42, Validus_45, Veliki_41, Velveteen_37, Violac_42, Vopal_43, Wachhund_44, Wee_46, Whatsapiecost_41, WillSterrel_41, Windest_40, WinkNick_41, XFactor_41, YoungHarleezy_40,

YoureAdopted_40, Yunkel11_44, Zavala_42, Zizzle_44, ZoeJ_43, Zucker_31,

Genes that have the "Most Annotated" start but do not call it:
• DarwinJr_42, Jant_44, Mdavu_37, PatoPoderoso_41, Raqqa_32, Spartoi_37, Sporco_41, Sunshine23_31, Teejan_39, Trice_37,

Genes that do not have the "Most Annotated" start:
• ACFishhook_35, AN3_33, AN9_36, ANI8_36, AbbyPaige_35, Abdiel_32, Acolyte_34, Adelaide_25, Adora_34, Adzzy_35, Agape74_35, Aglet_36, Agueybana_38, Aikyam_33, AllBusiness_33, AlumE_39, Amochick_29, Amymech_29, Anekin_34, Angelique_39, Annalisa_34, Anselm_35, Antonio_39, Anubis_38, ArchiDore_37, Arianna_32, Ariel_86, Attis_34, AugsMagnumOpus_38, Auxilium_34, B1_31, BAKA_86, BBQValindra_35, BabyJohn_32, BabyRay_33, Bactobuster_35, Baehexic_34, Bagrid_82, Bakery_42, Ball_25, BangNhom_33, Banquo_37, BasketStar_36, BatStarr_39, Bauer_32, Beauxregard13_36, Beem_81, Beenie_30, BellaJr_33, BellusTerra_33, BenchScraper_36, Bialota_37, BiancaTri92_35, BigSherm_35, Bigflo_36, BillyTP_37, Bjanes7_34, BlackSpider_31, BlingBling_33, BloominB_29, BlueBird_34, BlueShadow_36, Bluvara_37, Bobby_80, Bombitas_71, Bosnia_39, Bowser_37, BoyNamedSue_39, Bradissa_35, Bradissa_36, Bradman_34, Bran_28, BreSam8_36, Bridgette_34, BronnyJames_80, Bugatti_33, Bugsy_36, Bunker_34, Bunnybear_32, Bunnybear_33, C3_31, Calvinny_36, Caraxes_33, Cassini_27, Catfish_37, Centaur_35, Cerulean_34, ChampagnePapi_34, Che12_36, Che9c_41, ChipMunk_36, Chiqui_32, ChuckDuck_35, Clammy_33, Clap_37, Clark_36, ClownCar_36, Colbster_36, Cole_34, Colin_37, Colleen_32, Commander_33, Confidence_36, Confidence_37, Constance_34, Constella_68, CookieBear_36, CosmicBrownie_36, Courthouse_82, Crescenzo_36, Croquant_37, Crucio_34, Cullens_36, Culver_60, Cynthia_37, D29_33, D32_37, DBQu4n_37, DaHudson_36, Daegal_30, Dallas_80, Dalmatian_35, DarwinJr_39, DeepSoil15_29, Dewey_29, Dieselweasel_36, Dignity_35, DillyDally_29, DinoDaryn_38, Dirtdigger_36, Dmitri_36, DmpstrDiver_82, DobbysSock_30, Dolores_37, Donatella_35, Dori_45, Dorito_32, Dove_67, Drake55_36, DreamEater_35, DropBear_33, DudeLittle_33, Duke13_85, Duplo_37, EMsquaredA_36, Eagle_32, Ebert_39, EdnaMode_33, Ein37_29, Ejimix_81, EnalisNailo_34, EnalisNailo_35, EpicPhail_36, Equemioh13_35, EricMillard_80, Eudoria_39, Eurydice_33, Evanesce_29, Eviarto_39, EvilGenius_36, Faith5x5_30, Fameo_34, Farber_36, Farewell_44, Fernando_36, Finkle_45, FiringLine_34, Flare16_34, Floral_35, Footloose_31, Forge_29, FosterFrank_36, Fred313_33, GUPitcher_34, Gaia_52, Gallop_33, Gancho_28, GaugeLDP_35, GemG_37, Gemma_35, Georgie2_35, Gibbzilla_34, Giles_29, GingkoMaracino_36, Giroux_34, Gizermo_37, Globfish_36, GlobiWarming_35, Goib_39, Gonephishing_76, GoodLuckBabe_36, Gorpy_37, Gratitude_34, Gravaillia_29, Grif_36, Groupthink_36, Grub_36, Grum1_36, Gsput1_28, GtownJaz_36, Guinevere_36, GumGum_37, Gusanita_34, Gwennie_35, HH92_29, Hadrien_29, Hail_29, Haley23_37, Halley_83, Halloweekend_34, Hannaconda_75, HarryHoudini_36, HaveUMetTed_36, Heathen_33, Heffalump_35, HelDan_33, Heliosoles_35, Henrique_35, Hercules11_36, Herod_39, Hestia_36, Hestia_38, Hidrated_74, Hillester_36, HippoHollow_33, HokkenD_73, Hortense_36, HotPotato_34, Howe_36, Huffy_38, Hughesyang_81, Hugley_36, Hyzer_43, Ichiang_34, Idleandcovert_33, Invectra_37, IronMan_36, IsHungry_32, Isca_33, Isolde_36, Iwokeuplikedis_34, JF2_33, JF4_33, JHC117_36, Jaan_37, Jablanski_34, Jablanski_39, Jalleen_36, JellyBread_32, JenCasNa_36, JeppNRM_36, Jerm_35, Jobu08_35, JoshKayV_35, Journey13_31, Jsquared_34, Judy_35, Juicebox_26, JuicyJay_79, Julie_35, Kabloowy_36, Kachowdy_33, Kalah2_76, Kalb97_36, Kalnoky_36, Kalpine_35, Kampy_33,

Karkharias_34, KashFlow_76, KayMoney_35, Kerberos_37, Kihatsu_37, Kiko_37, Kimona_30, Kinbote_29, KingCyrus_36, Kita_40, Klein_81, Koduck_33, Kudefre_6, Kukla_36, Kumotta_30, L5_33, LBerry_36, LHTSCC_34, Lamberg_33, Landor_35, Larenn_35, Lasker_36, Lawnathon_36, Lederberg_27, Lenoxika_36, LeoAvram_33, Leogania_35, Leviathan_35, LilHazelnut_29, LilJank_9, LilTurb_34, Lilas_37, Lilas_38, Lilith_36, LilyBell_34, LionsBait_35, LittleE_82, LonelyBoi_37, LonelyBoi_38, LordFarquaad_35, Lowa_36, Lucky2013_84, LugYA_38, Luke_29, Luna22_29, MA5_33, MK4_33, MUWow_35, MadMarie_36, Madavieve_34, Mainiac_36, Maja_28, MajorMajor_34, Malec_36, Malibo_38, Malinsilva_38, Manasvini_39, Manu_36, Mao1_43, Mapleville_36, MarQuardt_36, Marchesa_33, MargaretKali_30, Maridalia_39, Marie_36, Marius_36, Marleymoo_72, Marteena_35, Mask_46, MaterMagnus_36, Matteo_30, Maxo_33, Mcklovin_34, Medusa_33, Melba_35, Melvin_33, MiaZeal_87, MichaelScott_36, Microwolf_36, MiculUcigas_34, MidnightRain_38, MillySue_36, Minerva_84, MissWhite_33, Mocha12_37, MoneyMay_36, Montavir_35, Moonflower_36, Moosehead_35, Morkie_33, Morrow_33, MuchMore_38, MurphyJoseph_33, Mutzi_37, NaSiaTalie_34, Naji_37, Nandita_36, Nebkiss_56, Nebs_33, Nekros_81, Neobush_39, Nettuno_33, Neville_8, NewKitty_35, Nibley_75, NicoleTera_37, NihilNomen_82, NikkiHotWheels_36, NothingSpecial_35, Nymphadora_39, OBUpride_29, Obama12_34, Octobien14_6, Odette_80, Odin_33, Ohfah_33, OlanP_35, Ollie_36, Omega_85, OneDirection_30, OnionKnight_30, Optimus_79, Oregano_37, P28Green_36, PFR1_26, PFR2_28, PGHhamlin_38, Pawn_35, PeggyLeg03_34, Pembroke_36, Penny1_36, Pepperoni_31, PetriParty_38, Ph8s_35, Phaded_37, Phantastic_33, Pharaoh_32, Phelipe_33, PhishRPhriends_34, Phoebe_36, Phoebus_84, PhorbesPhlower_33, Phranny_36, PhriskyACE_35, Pickett_32, Pigu_32, Pipp_33, Piro94_34, Pistachio_34, Pollux_37, Polly_36, Polymorphads_33, Pomar16_37, Popper_34, Porcelain_86, Posh_42, PotatoSplit_37, Pound_82, Poushou_32, Power_33, Pucara_31, Pukovnik_35, Puppy_34, PurpleHaze_35, Pytheas_34, Pytheas_39, QueenB2_34, QueenBeesly_34, QuinnAvery_38, Quokka_33, REQ2_38, Rabbitrun_10, RadFad_36, Raphaella_36, Rearden_78, Reba_36, Redno2_78, Retro23_35, Richie_36, Rockstar_33, Roimos_33, RunningOnE_7, Ryan_36, SPB78_39, Sabia_36, Sabinator_36, Sahara_36, Sakai_36, SamW_27, Samman98_36, Sashimi_35, Satrap_36, SaturnRing_33, Savage_37, Sbash_40, Schatzie_77, Schism_38, Schmidt_32, Scout_33, Seahorse_38, Sejanus_42, SemperFi_35, Sephiroth_7, Serenity_34, Shaboozey_79, SheldonCooper_34, Shlim410_35, Shukran_39, Sixama_89, Sknot_34, Sleepyhead_38, Smeagan_36, SnapTap_34, Snickers_36, SoYo_36, SoilAssassin_34, SoilDragon_35, SonDevVon_36, Sparky_45, Spartan_32, Sparxx_33, SpicyFrank_36, Splinter_37, Spooks_11, Spooky_35, Sporco_37, Sprinklemunch_42, Sproutie_37, Squiddly_37, Squint_87, StAB_26, Stagni_36, StarStuff_37, StepMih_36, Stiles_27, Stuck_46, Success_11, Superchunk_33, Superphikiman_84, Suscepit_39, SweetiePie_34, SwirlSquare_35, Syleon_7, TNguyen7_33, TZGordon_39, TarsusIV_33, Taurus_36, Tayonia_39, Terrific_37, ThankyouJordi_38, ThayneTheZag_36, Thibault_69, Thimann_34, ThreeRngTarjay_79, ThulaThula_35, Tiff81_32, Tiffany_36, TimTam_39, TinaFeyge_33, TinaLin_36, TipsytheTRex_33, ToastyOats_39, Tomathan_37, Toodles_37, TouchMeNot_32, Travvers_37, Trax_8, TripleJ_37, Tristan_35, Trixie_35, Trooper_35, TroyPia_33, Troy_27, Trumpet_39, TuertoX_37, Turbido_34, TurkishDelight_52, Tuti_37, Twinkle_35, Ubuntu_29, Updawg_35, Utz_31, VA6_33, VC3_36, VWB_31, Vendetta_37, Vix_36, Vopal_39, Wanda_85, Watson_36, Webster2_29, WeiHuaDA_38, WelcomeAyanna_38, Whabigail7_34, Whiteclaw_37, WideWale_35, WinkNick_38, Wishmaker_29, Wooldri_38, Wrigley_43, XianYue_35, Xiaokay_72, Yecey3_35, Yeet412_34, Yeet_76, Yonex_36, YoungHarleezy_36, YungMoney_41, Zaheer_36, Zameen_39, Zarafa_33, Zelink_79,

Zetzy_35, Zimmer_35, Zirinka_36, Zucker_29,

Summary by start number:

Start 26:
• Found in 11 of 962 (1.1%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Teejan_39 (K1),

Start 29:
• Found in 11 of 962 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 18.2% of time when present
• Phage (with cluster) where this start called: Mdavu_37 (K1), Trice_37 (K1),

Start 48:
• Found in 1 of 962 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TurkishDelight_52 (singleton),

Start 81:
• Found in 17 of 962 (1.8%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 11.8% of time when present
• Phage (with cluster) where this start called: Gizermo_37 (CZ2), Sahara_36 (CZ2),

Start 83:
• Found in 56 of 962 (5.8%) of genes in pham
• Manual Annotations of this start: 6 of 798
• Called 10.7% of time when present
• Phage (with cluster) where this start called: BatStarr_39 (CZ1), Bjanes7_34 (CZ2), Cynthia_37 (CZ2), Herod_39 (CZ1), Kita_40 (CZ1), ThankyouJordi_38 (CZ1),

Start 91:
• Found in 3 of 962 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 798
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lederberg_27 (EP), SamW_27 (EP), Troy_27 (EP),

Start 101:
• Found in 34 of 962 (3.5%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 5.9% of time when present
• Phage (with cluster) where this start called: GaugeLDP_35 (A2), Sknot_34 (A2),

Start 102:
• Found in 17 of 962 (1.8%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 29.4% of time when present

• Phage (with cluster) where this start called: Faith5x5_30 (CZ6), Gonephishing_76 (J), Nibley_75 (J), Rearden_78 (J), Superphikiman_84 (J),

Start 113:
• Found in 22 of 962 (2.3%) of genes in pham
• Manual Annotations of this start: 3 of 798
• Called 13.6% of time when present
• Phage (with cluster) where this start called: Abdiel_32 (A4), Phelipe_33 (A4), TinaFeyge_33 (A4),

Start 114:
• Found in 29 of 962 (3.0%) of genes in pham
• Manual Annotations of this start: 10 of 798
• Called 44.8% of time when present
• Phage (with cluster) where this start called: Ariel_86 (J), BronnyJames_80 (J), Courthouse_82 (J), Gaia_52 (X), Hannaconda_75 (J), Lucky2013_84 (J), MiaZeal_87 (J), Nebkiss_56 (X), Nekros_81 (J), Omega_85 (J), Porcelain_86 (J), Shaboozey_79 (J), Squint_87 (J),

Start 118:
• Found in 9 of 962 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 11.1% of time when present
• Phage (with cluster) where this start called: B1_31 (A3),

Start 126:
• Found in 2 of 962 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Footloose_31 (singleton),

Start 133:
• Found in 15 of 962 (1.6%) of genes in pham
• Manual Annotations of this start: 7 of 798
• Called 46.7% of time when present
• Phage (with cluster) where this start called: AbbyPaige_35 (A2), Agape74_35 (A2), ChipMunk_36 (A2), Larenn_35 (A2), Leviathan_35 (A2), LilTurb_34 (A2), Whabigail7_34 (A2),

Start 134:
• Found in 2 of 962 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phantastic_33 (A3), TNguyen7_33 (A3),

Start 136:
• Found in 35 of 962 (3.6%) of genes in pham
• Manual Annotations of this start: 29 of 798
• Called 91.4% of time when present
• Phage (with cluster) where this start called: BAKA_86 (J), Bagrid_82 (J), Beem_81 (J), Bobby_80 (J), Bombitas_71 (J), Constella_68 (J), Dallas_80 (J), DmpstrDiver_82 (J), Dove_67 (J), Duke13_85 (J), Ejimix_81 (J), EricMillard_80 (J), Halley_83 (J), HokkenD_73 (J), Hughesyang_81 (J), JuicyJay_79 (J), Kalah2_76 (J), KashFlow_76

(J), Klein_81 (J), Marleymoo_72 (J), Minerva_84 (J), NihilNomen_82 (J), Optimus_79 (J), Phoebus_84 (J), Pound_82 (J), Redno2_78 (J), Schatzie_77 (J), Thibault_69 (J), ThreeRngTarjay_79 (J), Wanda_85 (J), Xiaokay_72 (J), Yeet_76 (J),

Start 138:
• Found in 6 of 962 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Landor_35 (A2), OnionKnight_30 (singleton), SPB78_39 (BA), VWB_31 (BA),

Start 139:
• Found in 6 of 962 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Kumotta_30 (FB), MargaretKali_30 (FB),

Start 140:
• Found in 11 of 962 (1.1%) of genes in pham
• Manual Annotations of this start: 6 of 798
• Called 72.7% of time when present
• Phage (with cluster) where this start called: BabyJohn_32 (A3), BabyRay_33 (A3), Chiqui_32 (A3), Jaan_37 (A2), Pharaoh_32 (A12), Pukovnik_35 (A2), Tristan_35 (A2), Yecey3_35 (A9),

Start 142:
• Found in 1 of 962 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spartan_32 (ES),

Start 143:
• Found in 1 of 962 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sporco_41 (AY),

Start 146:
• Found in 19 of 962 (2.0%) of genes in pham
• Manual Annotations of this start: 6 of 798
• Called 42.1% of time when present
• Phage (with cluster) where this start called: Dignity_35 (A2), Hestia_38 (AY), HippoHollow_33 (A2), IronMan_36 (A2), Jerm_35 (A2), KingCyrus_36 (A2), Pigu_32 (FB), Turbido_34 (A2),

Start 148:
• Found in 53 of 962 (5.5%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 1.9% of time when present
• Phage (with cluster) where this start called: Zelink_79 (J),

Start 150:
• Found in 183 of 962 (19.0%) of genes in pham

• Manual Annotations of this start: 120 of 798
• Called 73.8% of time when present
• Phage (with cluster) where this start called: ACFishhook_35 (A3), AN3_33 (A2), AN9_36 (A2), ANI8_36 (A2), Aglet_36 (A3), Anselm_35 (A2), Anubis_38 (A3), AugsMagnumOpus_38 (A3), Baehexic_34 (A2), BangNhom_33 (A4), Beauxregard13_36 (A3), BellusTerra_33 (A4), Bigflo_36 (A3), BlueBird_34 (A3), Bradman_34 (A2), BreSam8_36 (A3), Bugatti_33 (A3), Bugsy_36 (A2), Centaur_35 (A2), Clammy_33 (A3), Colbster_36 (A3), Commander_33 (A4), Croquant_37 (A3), Cullens_36 (A3), D29_33 (A2), D32_37 (A2), DBQu4n_37 (A2), DaHudson_36 (A3), Dalmatian_35 (A2), Dieselweasel_36 (A3), DropBear_33 (A3), Duplo_37 (A2), Eagle_32 (A4), EpicPhail_36 (A3), Equemioh13_35 (A2), Eurydice_33 (A4), Fred313_33 (A3), Gemma_35 (A3), Giroux_34 (A3), Grif_36 (A3), Groupthink_36 (A3), Grub_36 (A3), Grum1_36 (A3), GtownJaz_36 (A3), Gwennie_35 (A3), HaveUMetTed_36 (A3), Heathen_33 (A3), HelDan_33 (A3), Heliosoles_35 (A3), Hercules11_36 (A3), Idleandcovert_33 (A3), Isca_33 (A3), Iwokeuplikedis_34 (A2), JF2_33 (A3), JF4_33 (A3), JHC117_36 (A3), JeppNRM_36 (A3), Jobu08_35 (A3), Journey13_31 (A2), Jsquared_34 (A2), Kalb97_36 (A3), Kalnoky_36 (A3), Kimona_30 (A19), LBerry_36 (A3), Leogania_35 (A2), LionsBait_35 (A2), Lowa_36 (A3), LugYA_38 (A3), MA5_33 (A3), MK4_33 (A3), MadMarie_36 (A3), Mainiac_36 (A3), MajorMajor_34 (A2), Manu_36 (A3), MarQuardt_36 (A3), Marie_36 (A3), Marius_36 (A3), Maxo_33 (A4), Melvin_33 (A4), MiculUcigas_34 (A2), MissWhite_33 (A2), MoneyMay_36 (A3), Morrow_33 (A4), MuchMore_38 (A3), Naji_37 (A2), Nebs_33 (A4), NicoleTera_37 (A2), Ohfah_33 (A4), OlanP_35 (A3), P28Green_36 (A3), PGHhamlin_38 (A3), Pawn_35 (A3), Pembroke_36 (A3), Penny1_36 (A3), Phaded_37 (A2), PhishRPhriends_34 (A3), Phoebe_36 (A3), Phranny_36 (A3), Piro94_34 (A2), Pistachio_34 (A3), Polymorphads_33 (A4), PotatoSplit_37 (A3), Puppy_34 (A3), PurpleHaze_35 (A3), QueenB2_34 (A2), Quokka_33 (A2), Reba_36 (A3), Retro23_35 (A2), Rockstar_33 (A3), Sabia_36 (A3), Sabinator_36 (A3), SaturnRing_33 (A3), Scout_33 (A3), Serenity_34 (A2), Snickers_36 (A3), SoYo_36 (A3), SoilDragon_35 (A3), Sparxx_33 (A4), Stagni_36 (A3), StepMih_36 (A3), TarsusIV_33 (A2), Terrific_37 (A2), Tiffany_36 (A3), TipsytheTRex_33 (A2), TroyPia_33 (A4), Updawg_35 (A2), VA6_33 (A2), VC3_36 (A2), Vix_36 (A3), Watson_36 (A3), WeiHuaDA_38 (A2), WideWale_35 (A2), Wooldri_38 (A3), XianYue_35 (A2), Zarafa_33 (A3),

Start 151:
• Found in 4 of 962 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Moosehead_35 (CZ6),

Start 152:
• Found in 6 of 962 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Colin_37 (A2), Kalpine_35 (A2), Zimmer_35 (A12),

Start 153:
• Found in 4 of 962 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 75.0% of time when present

• Phage (with cluster) where this start called: RunningOnE_7 (UNK), Spooks_11 (BT), Success_11 (BT),

Start 154:
• Found in 9 of 962 (0.9%) of genes in pham
• Manual Annotations of this start: 8 of 798
• Called 88.9% of time when present
• Phage (with cluster) where this start called: BiancaTri92_35 (A2), DudeLittle_33 (A2), FiringLine_34 (A2), Georgie2_35 (A2), JoshKayV_35 (A2), Power_33 (A2), QueenBeesly_34 (A2), SemperFi_35 (A2),

Start 155:
• Found in 75 of 962 (7.8%) of genes in pham
• Manual Annotations of this start: 58 of 798
• Called 88.0% of time when present
• Phage (with cluster) where this start called: Adzzy_35 (A2), Agueybana_38 (CZ1), AlumE_39 (CZ1), Angelique_39 (CY1), Antonio_39 (CZ1), Attis_34 (CZ2), Bialota_37 (CZ1), Bosnia_39 (CZ1), BoyNamedSue_39 (CZ1), Bradissa_36 (CY1), Bunnybear_33 (CZ), Caraxes_33 (A2), Che12_36 (A2), Clap_37 (CZ2), Confidence_37 (CY1), Ebert_39 (CZ2), EdnaMode_33 (CZ2), EnalisNailo_35 (CY1), Eudoria_39 (CZ1), Eviarto_39 (CZ1), GemG_37 (CZ2), Haley23_37 (CZ2), HarryHoudini_36 (A2), Hugley_36 (CZ1), Hyzer_43 (CZ1), Jablanski_39 (CY3), Jalleen_36 (CZ2), Koduck_33 (A2), L5_33 (A2), Lamberg_33 (CZ2), Lilas_38 (CY1), LonelyBoi_38 (CY7), LordFarquaad_35 (CZ2), Madavieve_34 (CZ1), Manasvini_39 (CZ1), Maridalia_39 (CZ1), Matteo_30 (CZ2), Mocha12_37 (CZ2), Morkie_33 (DH), Neobush_39 (CZ1), Nettuno_33 (CZ2), Nymphadora_39 (CZ1), Odin_33 (A2), OneDirection_30 (CZ6), Pepperoni_31 (CZ), PhorbesPhlower_33 (DH), Pickett_32 (CZ2), Polly_36 (CZ1), Posh_42 (CY4), Pytheas_39 (CY3), Savage_37 (CZ2), SoilAssassin_34 (CZ2), Sproutie_37 (CZ2), Superchunk_33 (A2), Suscepit_39 (CZ1), SwirlSquare_35 (A2), Tayonia_39 (CZ1), TimTam_39 (CZ1), Trumpet_39 (CZ1), TuertoX_37 (CZ2), WelcomeAyanna_38 (CZ1), Whiteclaw_37 (CZ2), Wrigley_43 (CY4), Yeet412_34 (CZ2), Zameen_39 (CZ1), Zirinka_36 (CZ1),

Start 156:
• Found in 1 of 962 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Smeagan_36 (A2),

Start 158:
• Found in 379 of 962 (39.4%) of genes in pham
• Manual Annotations of this start: 315 of 798
• Called 97.4% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_36 (AY), ActinUp_41 (K1), AdaS_35 (AY), Adephagia_41 (K1), Adonis_41 (K1), Adora_37 (CZ4), Ageofdapage_43 (K1), Aikyam_37 (AY), Akhila_37 (F1), Alatato_29 (FB), Alexphander_45 (F1), AlishaPH_41 (K1), Amelie_36 (K1), Anaya_43 (K1), Anekin_37 (AY), Angelica_41 (K1), Anma_43 (K1), Annalisa_36 (CZ4), Apocalypse_44 (K1), Apricot_48 (DN3), ArV2_29 (singleton), Ardmore_36 (F1), Asapag_47 (DN1), Asayake_41 (K1), Atiba_41 (K1), Auxilium_38 (AY), BEEST_41 (K1), BENtherdunthat_50 (DN1), BGlluviae_41 (K1), BaghaKamala_40 (K1), BarrelRoll_41 (K1), BasketStar_41 (AY), Batiatus_43 (F1), Bauer_39 (FN), Beakin_43 (F1), BeeGee_42 (CY5), Beenie_33 (CZ4), Beezoo_43 (K1), Bella96_42 (K1), BellaJr_39

(FN), Belladonna_41 (K1), BenchScraper_39 (AY), Bhageatrice_40 (AY), BigPhil_38 (F1), Biglebops_36 (K1), BillyTP_42 (AY), Bipolar_39 (F1), Birdsong_47 (DN), BlackSpider_36 (FN), Blarby_54 (F), Blizzard_41 (K1), BlueShadow_39 (AY), BobaPhett_43 (F1), Bobi_46 (F1), Boiiii_41 (K1), BoostSeason_44 (K2), BotCity_49 (DN), BrayBeast_32 (FB), Bridgette_38 (FA), Brocalys_36 (F1), Brookers_39 (F1), Brushbloom_46 (F1), Budski_49 (DN), Byougenkin_40 (F1), CREW_41 (K1), CallaLilly_41 (K1), Capricorn_41 (K1), CaptainTrips_41 (F1), CaseJules_42 (K1), Cashline_38 (CY6), Cassini_31 (FN), Cerasum_38 (F1), Chavito_44 (K1), CheeseTouch_54 (DN1), Cheesepuff_46 (F1), CheetoDust_40 (K1), Chris_43 (K1), ChuckDuck_39 (FA), Chymera_32 (singleton), Clank_44 (F), Clark_39 (CZ4), Clifton_35 (F1), Clipper_44 (K1), Coco12_40 (F1), Constance_38 (FA), CookieBear_40 (AY), Corium_41 (F1), Cornucopia_45 (F1), CosmicBrownie_38 (AY), Crater_49 (DN3), Crescenzo_39 (AY), CrimD_41 (K1), DLane_41 (F1), DRBy19_43 (F1), Dalmuri_41 (K1), DartGoblin_43 (K1), Dartin_43 (K1), DeadP_46 (F1), Deby_41 (K1), Denise_35 (CZ5), Devera_45 (K1), Ding_40 (AY), DismalFunk_43 (K2), DismalStressor_43 (K2), DoRead_44 (F1), DobbysSock_31 (CZ4), Dole_44 (K1), Dolores_40 (CZ4), Donkeykong_41 (F1), Doomslug_48 (F), Dorito_34 (CZ4), DosHalletts_40 (F1), Doughnut_44 (K2), DrHayes_42 (K1), Durfee_41 (K1), EMsquaredA_37 (CY1), Ecliptus_49 (DN), Efra2_44 (K1), Eileen_34 (FA), EleanorGeorge_40 (F1), Emerson_42 (K1), Emma_44 (F1), Enby_42 (F1), Enkosi_39 (K1), Enzomatic_49 (F1), Estave1_43 (F1), EvePickles_38 (AY), Faja_39 (AY), Filuzino_41 (F1), Findley_43 (K2), Flathead_44 (F1), Floral_36 (CY1), FosterFrank_40 (FA), Frickyeah_52 (DN1), Fruitloop_40 (F1), GMA1_30 (singleton), Galactic_43 (F1), Ganymede_42 (K1), Geraldini_43 (K1), Getalong_53 (DN1), Gibbzilla_37 (FB), Globfish_39 (AY), GlobiWarming_38 (FA), Gorge_43 (F1), Gorpy_41 (AY), Guanica15_44 (K1), GumGum_40 (AY), Guppsters_43 (F1), Hades_43 (F1), HedwigODU_41 (K1), Hegedechwinu_41 (F1), Hillester_40 (AY), Hlubikazi_41 (F1), Holliday_48 (DN1), Homura_41 (K1), Hortense_40 (CZ4), Horus_48 (DN1), Howe_40 (CZ4), Hyperbowlee_41 (K1), IMpilo_40 (F1), Illumine_44 (K1), Inky_41 (K1), Invectra_41 (CZ4), IrishSherpFalk_41 (F1), Isolde_41 (AY), JAWS_41 (K1), James_43 (F1), Jarvi_41 (K1), Jayhawk_42 (K1), JeanClaude_32 (FB), Jeckyll_41 (K1), JellyBread_36 (AY), Jennelsea_37 (F1), Joy99_41 (K1), Judy_39 (FA), Juice456_44 (F1), Juniper1_40 (F1), Kabloowy_40 (AY), Kamaru_44 (DN1), KayMoney_38 (FA), Kenna_49 (DN1), Kenuha5_39 (F1), KiSi_45 (K1), KingJulian_42 (F1), Kingsley_38 (F1), KristaRAM_43 (F1), Lasker_39 (AY), LastJedi_34 (F1), LaterM_42 (K1), Lawnathon_40 (AY), LeBruni_39 (AY), LeMond_45 (K1), Leroy_50 (DN1), LilPharaoh_36 (K1), LilSpotty_38 (singleton), LilyBell_38 (FA), LindNT_41 (K1), LitninMcQueen_43 (DN1), LittleRon_36 (FA), Llorens_41 (K1), LordVader_38 (F), Lorde_42 (F1), Lton_34 (CZ), Lucky10_35 (DH), LunaBlu_46 (F1), LunaStella_42 (F4), Lunahalos_41 (K1), Lutum_50 (DN1), MUWow_39 (AY), MakCheese_48 (DW), Mandlovu_40 (F1), Mapleville_40 (AY), Marcoliusprime_43 (K2), MarkPhew_44 (K1), Marshawn_44 (K6), Marteena_36 (CY1), Maruru_30 (FG), MaterMagnus_40 (AY), Mattes_43 (F1), McMater_43 (K1), Mcklovin_36 (CZ4), MeaningOfLife_42 (K1), Medindi_40 (F1), Megsy_42 (K1), Melissauren88_42 (F1), MichaelScott_40 (CZ4), MidnightRain_42 (AY), MilanaBonita_37 (F1), MilleniumForce_42 (F1), Milly_43 (K2), MinionDave_43 (F1), Minnie_43 (F1), MooMoo_41 (singleton), Moonbeam_41 (F1), Mova_42 (F1), Mozy_51 (F1), Ms6_36 (F1), Mufasa8_27 (FG), Mufasa_44 (K2), MurphyJoseph_36 (AY), Murucutumbu_42 (K1), Mutaforma13_45 (F1), Mynx_42 (K1), NewHope4_45 (F1), NewKitty_38 (AY), Nibb_43 (K1), NidoQ_33 (FA), Nikao_39 (K1), Niklas_43 (K1), Nutello_36 (K1), Nyilah_36 (AY), ODay_52 (DN), Oregano_39 (CZ4), Oscar_45 (K1), Ovechkin_41 (F1), Padfoot_41 (K1), Padpat_42 (K1), Peanam_43 (K1), Peas_35 (FA), Peel_41 (K1), Periwinkle_57 (DN1), Persistence_35 (AY),

Phabuloso_48 (DN1), Phalconet_41 (F1), Phanphagia_37 (F1), PhesterPhotato_44 (F1), Philus_43 (F1), Phistory_51 (DN1), Phrank15_39 (AY), Phrappuccino_38 (AA), Piatt_41 (K1), Pippy_38 (F1), Pisa1_41 (K1), Pokerus_40 (K1), Pollux_38 (CY1), Polo2Bam_48 (F1), Prithvi_42 (K1), QuincyRose_40 (K1), RadFad_40 (AY), Ramen_41 (K1), Raphaella_40 (AY), Rapunzel97_41 (K1), RavenCo17_41 (CZ8), Renaud18_46 (F4), Rialto_46 (F1), Richie_40 (AY), Richo_43 (K1), Rita_44 (F1), RootBeer_29 (FA), Rooter_31 (FB), Rosmarinus_41 (K1), SG4_40 (F1), Saal_43 (F1), Sakai_40 (AY), Samman98_40 (CZ4), SamuelLPlaqson_42 (K1), Sarge_28 (FB), Sarma624_38 (F1), Sashimi_39 (AY), Satrap_40 (AY), Scarlett_45 (K1), Seahorse_41 (AY), Sekhmet_40 (CZ4), Settecandela_38 (AA), SgtBeansprout_36 (K1), Shaobing_43 (K1), Shauna1_38 (F1), ShawBrad_51 (DN1), ShiaSurprise_42 (K1), Shlim410_38 (CZ4), Shoya_35 (FB), ShroomBoi_42 (F1), Shukran_42 (AY), SilverChicken_53 (F2), SimranZ1_43 (F1), Slimphazie_41 (K1), SonDevVon_40 (AY), Sonali_29 (FG), Soul22_46 (F2), Spartacus_41 (F1), SpicyFrank_39 (AY), Spock_41 (K1), Squirty_35 (F3), StAnnes_42 (F1), Stellammi_65 (UNK), Stinson_42 (K1), Strobilo_43 (K2), Strokeseat_41 (F1), Sulley_41 (K1), SuperGrey_42 (F1), SwagPigglett_45 (F1), TChen_44 (F4), TClif_45 (K6), Tachez_41 (K1), TaiwanKao_43 (K1), Taj_45 (F1), ThayneTheZag_40 (AY), Thimann_36 (CZ4), Tiff81_35 (AY), TiniBug_42 (K1), Tiri_42 (K1), Topper_41 (K1), Torres_39 (K1), TreyKay_42 (K1), TruffulaTree_41 (K1), Tuti_39 (CZ4), Twinkle_39 (CZ4), Twitch_41 (K1), Urkel_42 (K1), VRedHorse_42 (F1), Validus_45 (K1), Veliki_41 (K1), Velveteen_37 (F1), Violac_42 (F1), Vopal_43 (AY), Wachhund_44 (F1), Wee_46 (F1), Whatsapiecost_41 (F1), WillSterrel_41 (F1), Windest_40 (AY), WinkNick_41 (CZ4), XFactor_41 (F1), YoungHarleezy_40 (AY), YoureAdopted_40 (K1), Yunkel11_44 (K1), Zavala_42 (K1), Zizzle_44 (F1), ZoeJ_43 (K2), Zucker_31 (FN),

Start 159:
• Found in 1 of 962 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malec_36 (A2),

Start 160:
• Found in 24 of 962 (2.5%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Gancho_28 (Q), OBUpride_29 (Q),

Start 161:
• Found in 8 of 962 (0.8%) of genes in pham
• Manual Annotations of this start: 5 of 798
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Farewell_44 (AF), Juicebox_26 (singleton), Sleepyhead_38 (singleton), Sparky_45 (AF), StAB_26 (EP),

Start 163:
• Found in 62 of 962 (6.4%) of genes in pham
• Manual Annotations of this start: 3 of 798
• Called 8.1% of time when present
• Phage (with cluster) where this start called: Adelaide_25 (EP), Bran_28 (EP), PatoPoderoso_41 (F1), Stiles_27 (EP), Sunshine23_31 (FG),

Start 164:

• Found in 4 of 962 (0.4%) of genes in pham
• Manual Annotations of this start: 4 of 798
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kudefre_6 (DU1), Octobien14_6 (DU1), Sephiroth_7 (DU1), Syleon_7 (DU1),

Start 166:
• Found in 5 of 962 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DreamEater_35 (FJ), GUPitcher_34 (FJ), Kukla_36 (FJ), PetriParty_38 (FJ), TripleJ_37 (FJ),

Start 168:
• Found in 1 of 962 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DillyDally_29 (singleton),

Start 169:
• Found in 5 of 962 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 798
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Arianna_32 (EO), Colleen_32 (EO), Poushou_32 (EO), TouchMeNot_32 (EO),

Start 170:
• Found in 53 of 962 (5.5%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 5.7% of time when present
• Phage (with cluster) where this start called: Hidrated_74 (J), LittleE_82 (J), Odette_80 (J),

Start 172:
• Found in 2 of 962 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Raqqa_32 (AY),

Start 175:
• Found in 11 of 962 (1.1%) of genes in pham
• Manual Annotations of this start: 7 of 798
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Bluvara_37 (UNK), Che9c_41 (I2), Dori_45 (AD), Mao1_43 (AD), Mask_46 (AD), REQ2_38 (singleton), Sbash_40 (I2), Sejanus_42 (AD), Stuck_46 (I2), ThulaThula_35 (P5),

Start 179:
• Found in 65 of 962 (6.8%) of genes in pham
• Manual Annotations of this start: 10 of 798
• Called 16.9% of time when present
• Phage (with cluster) where this start called: Farber_36 (A3), Fernando_36 (A3), GingkoMaracino_36 (A3), JenCasNa_36 (A3), Lilith_36 (A3), Malinsilva_38 (A3),

Microwolf_36 (A3), Montavir_35 (A3), Ollie_36 (A3), Taurus_36 (A3), Zetzy_35 (A3),

Start 184:
• Found in 1 of 962 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gallop_33 (ES),

Start 185:
• Found in 2 of 962 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PFR1_26 (BX), PFR2_28 (BX),

Start 187:
• Found in 28 of 962 (2.9%) of genes in pham
• Manual Annotations of this start: 20 of 798
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Amochick_29 (Q), Amymech_29 (Q), BloominB_29 (Q), Daegal_30 (Q), DeepSoil15_29 (Q), Dewey_29 (Q), Ein37_29 (Q), Evanesce_29 (Q), Forge_29 (Q), Giles_29 (Q), Gravaillia_29 (Q), HH92_29 (Q), Hadrien_29 (Q), Hail_29 (Q), Kinbote_29 (Q), LilHazelnut_29 (Q), Luke_29 (Q), Luna22_29 (Q), Ubuntu_29 (Q), Webster2_29 (Q), Wishmaker_29 (Q),

Start 189:
• Found in 308 of 962 (32.0%) of genes in pham
• Manual Annotations of this start: 14 of 798
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Acolyte_34 (A2), C3_31 (A2), Calvinny_36 (A3), ClownCar_36 (A3), Crucio_34 (A2), DarwinJr_42 (AY), Drake55_36 (A2), Fameo_34 (A2), Flare16_34 (A2), Gratitude_34 (A2), Kerberos_37 (A2), Pomar16_37 (A2), SnapTap_34 (A2), StarStuff_37 (A2), SweetiePie_34 (A2), Tomathan_37 (A2), Travvers_37 (A2), Trixie_35 (A2), Trooper_35 (A2),

Start 192:
• Found in 7 of 962 (0.7%) of genes in pham
• Manual Annotations of this start: 2 of 798
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Finkle_45 (singleton), Gsput1_28 (CU2), Schmidt_32 (CU4),

Start 194:
• Found in 43 of 962 (4.5%) of genes in pham
• Manual Annotations of this start: 8 of 798
• Called 18.6% of time when present
• Phage (with cluster) where this start called: Cerulean_34 (A4), ChampagnePapi_34 (A4), Kampy_33 (A4), LHTSCC_34 (A4), LeoAvram_33 (A4), NothingSpecial_35 (A2), Obama12_34 (A4), SheldonCooper_34 (A4),

Start 197:
• Found in 13 of 962 (1.4%) of genes in pham
• Manual Annotations of this start: 12 of 798
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Banquo_37 (CU1), Catfish_37 (CU5), DinoDaryn_38 (CU1), Goib_39 (CU1), Huffy_38 (CU1), LilJank_9 (DU2), Neville_8 (DU2), Rabbitrun_10 (DU2), Splinter_37 (CU1), TZGordon_39 (CU1), TinaLin_36 (CU1), Trax_8 (DU2), Vendetta_37 (CU1),

Start 203:
• Found in 80 of 962 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 3.8% of time when present
• Phage (with cluster) where this start called: Kachowdy_33 (A3), Marchesa_33 (A3), Roimos_33 (A3),

Start 222:
• Found in 322 of 962 (33.5%) of genes in pham
• Manual Annotations of this start: 6 of 798
• Called 1.9% of time when present
• Phage (with cluster) where this start called: Bactobuster_35 (A2), EvilGenius_36 (A2), Heffalump_35 (A2), Medusa_33 (A4), NaSiaTalie_34 (A2), Ph8s_35 (A2),

Start 228:
• Found in 7 of 962 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Spartoi_37 (singleton),

Start 236:
• Found in 30 of 962 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 16.7% of time when present
• Phage (with cluster) where this start called: BasketStar_36 (AY), BigSherm_35 (FF), Cassini_27 (FN), GoodLuckBabe_36 (FF), QuinnAvery_38 (FF),

Start 247:
• Found in 6 of 962 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Globfish_36 (AY),

Start 252:
• Found in 280 of 962 (29.1%) of genes in pham
• Manual Annotations of this start: 15 of 798
• Called 6.1% of time when present
• Phage (with cluster) where this start called: Adora_34 (CZ4), BBQValindra_35 (DB), Bunnybear_32 (CZ), Clark_36 (CZ4), DobbysSock_30 (CZ4), Dorito_32 (CZ4), EnalisNailo_34 (CY1), Floral_35 (CY1), Jablanski_34 (CY3), Lilas_37 (CY1), Melba_35 (CV), Pipp_33 (CV), Pytheas_34 (CY3), Spooky_35 (DN2), Sprinklemunch_42 (DW), Squiddly_37 (DN2), Tuti_37 (CZ4),

Start 256:
• Found in 137 of 962 (14.2%) of genes in pham
• Manual Annotations of this start: 84 of 798
• Called 83.2% of time when present

• Phage (with cluster) where this start called: Aikyam_33 (AY), AllBusiness_33 (FF), Anekin_34 (AY), Annalisa_34 (CZ4), ArchiDore_37 (DW), Auxilium_34 (AY), Bakery_42 (DC1), Ball_25 (singleton), Bauer_32 (FN), Beenie_30 (CZ4), BellaJr_33 (FN), BenchScraper_36 (AY), BillyTP_37 (AY), BlackSpider_31 (FN), BlingBling_33 (CV), BlueShadow_36 (AY), Bowser_37 (DB), Bradissa_35 (CY1), Bridgette_34 (FA), Bunker_34 (DB), ChuckDuck_35 (FA), Cole_34 (FF), Confidence_36 (CY1), Constance_34 (FA), CookieBear_36 (AY), CosmicBrownie_36 (AY), Crescenzo_36 (AY), Culver_60 (CQ1), DarwinJr_39 (AY), Dirtdigger_36 (FF), Dmitri_36 (DB), Dolores_37 (CZ4), Donatella_35 (FF), EMsquaredA_36 (CY1), FosterFrank_36 (FA), Gibbzilla_34 (FB), GlobiWarming_35 (FA), Gorpy_37 (AY), Guinevere_36 (FF), GumGum_37 (AY), Gusanita_34 (FF), Halloweekend_34 (FF), Henrique_35 (FA), Hestia_36 (AY), Hillester_36 (AY), Hortense_36 (CZ4), HotPotato_34 (FA), Howe_36 (CZ4), Ichiang_34 (FF), Invectra_37 (CZ4), IsHungry_32 (FF), Isolde_36 (AY), JellyBread_32 (AY), Judy_35 (FA), Julie_35 (FF), Kabloowy_36 (AY), Karkharias_34 (FA), KayMoney_35 (FA), Kihatsu_37 (FF), Kiko_37 (DB), Lasker_36 (AY), Lawnathon_36 (AY), Lenoxika_36 (FF), LilyBell_34 (FA), LonelyBoi_37 (CY7), MUWow_35 (AY), Maja_28 (FO), Malibo_38 (DW), Mapleville_36 (AY), Marteena_35 (CY1), MaterMagnus_36 (AY), Mcklovin_34 (CZ4), MichaelScott_36 (CZ4), MidnightRain_38 (AY), MillySue_36 (FF), Mutzi_37 (DC1), Nandita_36 (FF), NewKitty_35 (AY), NikkiHotWheels_36 (FA), Oregano_37 (CZ4), PeggyLeg03_34 (FA), PhriskyACE_35 (CZ4), Pollux_37 (CY1), Popper_34 (FF), Pucara_31 (FA), RadFad_36 (AY), Raphaella_36 (AY), Richie_36 (AY), Ryan_36 (FF), Sakai_36 (AY), Samman98_36 (CZ4), Sashimi_35 (AY), Satrap_36 (AY), Schism_38 (FF), Seahorse_38 (AY), Shlim410_35 (CZ4), Shukran_39 (AY), SonDevVon_36 (AY), SpicyFrank_36 (AY), Sporco_37 (AY), ThayneTheZag_36 (AY), Thimann_34 (CZ4), Tiff81_32 (AY), ToastyOats_39 (FF), Toodles_37 (FF), Twinkle_35 (CZ4), Utz_31 (CV), Vopal_39 (AY), WinkNick_38 (CZ4), Yonex_36 (FF), YoungHarleezy_36 (AY), YungMoney_41 (DC1), Zaheer_36 (FF), Zucker_29 (FN),

Start 271:
• Found in 19 of 962 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 798
• Called 10.5% of time when present
• Phage (with cluster) where this start called: Moonflower_36 (DB), Sixama_89 (DS),

Start 276:
• Found in 41 of 962 (4.3%) of genes in pham
• No Manual Annotations of this start.
• Called 2.4% of time when present
• Phage (with cluster) where this start called: Jant_44 (F1),

Start 325:
• Found in 70 of 962 (7.3%) of genes in pham
• No Manual Annotations of this start.
• Called 1.4% of time when present
• Phage (with cluster) where this start called: MurphyJoseph_33 (AY),

Summary by clusters:

There are 68 clusters represented in this pham: DN, CY3, singleton, I2, BA, DH, CZ2, CZ1, DB, CZ8, CZ4, CZ5, BT, FA, FB, K6, FF, FG, DW, FJ, BX, DS, FN, FO, CU5, CU4, CU2, CU1, A12, P5, A19, EO, EP, A3, A2, DN1, A4, DN3, DN2, A9, DU1, DU2, AA, CY1, CY7, AD, CY5, F, CZ6, J, Q, CZ, AY, X, UNK, AF, CV, ES, DC1, F1, F2, F3,

F4, CQ1, K2, K1, CY6, CY4,

Info for manual annotations of cluster A12:
•Start number 140 was manually annotated 1 time for cluster A12.
•Start number 152 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A19:
•Start number 150 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 101 was manually annotated 2 times for cluster A2.
•Start number 133 was manually annotated 7 times for cluster A2.
•Start number 138 was manually annotated 1 time for cluster A2.
•Start number 140 was manually annotated 3 times for cluster A2.
•Start number 146 was manually annotated 5 times for cluster A2.
•Start number 150 was manually annotated 33 times for cluster A2.
•Start number 152 was manually annotated 1 time for cluster A2.
•Start number 154 was manually annotated 8 times for cluster A2.
•Start number 155 was manually annotated 6 times for cluster A2.
•Start number 156 was manually annotated 1 time for cluster A2.
•Start number 159 was manually annotated 1 time for cluster A2.
•Start number 189 was manually annotated 14 times for cluster A2.
•Start number 194 was manually annotated 1 time for cluster A2.
•Start number 222 was manually annotated 5 times for cluster A2.

Info for manual annotations of cluster A3:
•Start number 118 was manually annotated 1 time for cluster A3.
•Start number 134 was manually annotated 2 times for cluster A3.
•Start number 140 was manually annotated 1 time for cluster A3.
•Start number 150 was manually annotated 73 times for cluster A3.
•Start number 179 was manually annotated 10 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 113 was manually annotated 3 times for cluster A4.
•Start number 150 was manually annotated 13 times for cluster A4.
•Start number 194 was manually annotated 7 times for cluster A4.
•Start number 222 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A9:
•Start number 140 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AA:
•Start number 158 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster AD:
•Start number 175 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AF:
•Start number 161 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AY:
•Start number 146 was manually annotated 1 time for cluster AY.
•Start number 158 was manually annotated 33 times for cluster AY.

•Start number 247 was manually annotated 1 time for cluster AY.
•Start number 256 was manually annotated 25 times for cluster AY.

Info for manual annotations of cluster BT:
•Start number 153 was manually annotated 2 times for cluster BT.

Info for manual annotations of cluster CQ1:
•Start number 256 was manually annotated 1 time for cluster CQ1.

Info for manual annotations of cluster CU1:
•Start number 197 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU4:
•Start number 192 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 197 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:
•Start number 252 was manually annotated 2 times for cluster CV.
•Start number 256 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster CY1:
•Start number 155 was manually annotated 5 times for cluster CY1.
•Start number 158 was manually annotated 4 times for cluster CY1.
•Start number 252 was manually annotated 3 times for cluster CY1.
•Start number 256 was manually annotated 5 times for cluster CY1.

Info for manual annotations of cluster CY3:
•Start number 155 was manually annotated 2 times for cluster CY3.
•Start number 252 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:
•Start number 155 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:
•Start number 158 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:
•Start number 158 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:
•Start number 155 was manually annotated 1 time for cluster CY7.
•Start number 256 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:
•Start number 155 was manually annotated 1 time for cluster CZ.
•Start number 158 was manually annotated 1 time for cluster CZ.
•Start number 252 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 83 was manually annotated 4 times for cluster CZ1.
•Start number 155 was manually annotated 20 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 81 was manually annotated 2 times for cluster CZ2.
•Start number 83 was manually annotated 2 times for cluster CZ2.
•Start number 155 was manually annotated 18 times for cluster CZ2.

Info for manual annotations of cluster CZ4:
•Start number 158 was manually annotated 19 times for cluster CZ4.
•Start number 252 was manually annotated 4 times for cluster CZ4.
•Start number 256 was manually annotated 14 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 158 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 102 was manually annotated 1 time for cluster CZ6.
•Start number 151 was manually annotated 1 time for cluster CZ6.
•Start number 155 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster CZ8:
•Start number 158 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DB:
•Start number 252 was manually annotated 1 time for cluster DB.
•Start number 256 was manually annotated 4 times for cluster DB.

Info for manual annotations of cluster DC1:
•Start number 256 was manually annotated 3 times for cluster DC1.

Info for manual annotations of cluster DH:
•Start number 155 was manually annotated 2 times for cluster DH.
•Start number 158 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:
•Start number 158 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 158 was manually annotated 14 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 252 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 158 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DS:
•Start number 271 was manually annotated 1 time for cluster DS.

Info for manual annotations of cluster DU1:
•Start number 164 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 197 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DW:
•Start number 256 was manually annotated 2 times for cluster DW.

Info for manual annotations of cluster EO:
•Start number 169 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:
•Start number 91 was manually annotated 3 times for cluster EP.
•Start number 161 was manually annotated 1 time for cluster EP.
•Start number 163 was manually annotated 3 times for cluster EP.

Info for manual annotations of cluster F1:
•Start number 158 was manually annotated 89 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 158 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F3:
•Start number 158 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 158 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster FA:
•Start number 158 was manually annotated 9 times for cluster FA.
•Start number 256 was manually annotated 8 times for cluster FA.

Info for manual annotations of cluster FB:
•Start number 139 was manually annotated 2 times for cluster FB.
•Start number 158 was manually annotated 4 times for cluster FB.

Info for manual annotations of cluster FF:
•Start number 236 was manually annotated 1 time for cluster FF.
•Start number 256 was manually annotated 15 times for cluster FF.

Info for manual annotations of cluster FG:
•Start number 158 was manually annotated 3 times for cluster FG.

Info for manual annotations of cluster FJ:
•Start number 166 was manually annotated 2 times for cluster FJ.

Info for manual annotations of cluster FN:
•Start number 158 was manually annotated 3 times for cluster FN.
•Start number 256 was manually annotated 3 times for cluster FN.

Info for manual annotations of cluster FO:
•Start number 256 was manually annotated 1 time for cluster FO.

Info for manual annotations of cluster I2:
•Start number 175 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster J:
•Start number 102 was manually annotated 1 time for cluster J.
•Start number 114 was manually annotated 8 times for cluster J.
•Start number 136 was manually annotated 29 times for cluster J.
•Start number 148 was manually annotated 1 time for cluster J.
•Start number 170 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:
•Start number 29 was manually annotated 1 time for cluster K1.
•Start number 158 was manually annotated 102 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 158 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K6:
•Start number 158 was manually annotated 2 times for cluster K6.

Info for manual annotations of cluster P5:
•Start number 175 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster Q:
•Start number 160 was manually annotated 2 times for cluster Q.
•Start number 187 was manually annotated 20 times for cluster Q.

Info for manual annotations of cluster X:
•Start number 114 was manually annotated 2 times for cluster X.

Gene Information:

Gene: ACFishhook_35 Start: 26718, Stop: 25579, Start Num: 150
Candidate Starts for ACFishhook_35:
(Start: 101 @26781 has 2 MA's), (Start: 150 @26718 has 120 MA's), (Start: 189 @26664 has 14 MA's), (Start: 222 @26595 has 6 MA's), (329, 26376), (334, 26367), (356, 26331), (403, 26274), (439, 26196), (450, 26172), (454, 26163), (497, 26061), (510, 26043), (517, 26031), (548, 25956), (549, 25950), (559, 25929), (570, 25914), (579, 25896), (598, 25872), (677, 25713), (678, 25710), (685, 25680), (687, 25674), (689, 25662), (707, 25623),

Gene: AN3_33 Start: 26414, Stop: 25290, Start Num: 150
Candidate Starts for AN3_33:
(107, 26468), (Start: 150 @26414 has 120 MA's), (Start: 189 @26360 has 14 MA's), (Start: 222 @26291 has 6 MA's), (322, 26090), (334, 26063), (356, 26027), (401, 25973), (403, 25970), (412, 25943), (439, 25892), (454, 25859), (457, 25847), (463, 25829), (497, 25757), (510, 25739), (517, 25727), (535, 25688), (548, 25652), (549, 25646), (559, 25625), (570, 25610), (579, 25592), (600, 25565), (665, 25454), (678, 25406), (679, 25403), (685, 25376), (687, 25370), (689, 25358), (707, 25319),

Gene: AN9_36 Start: 26399, Stop: 25275, Start Num: 150
Candidate Starts for AN9_36:
(107, 26453), (Start: 150 @26399 has 120 MA's), (Start: 189 @26345 has 14 MA's), (Start: 222 @26276 has 6 MA's), (322, 26075), (334, 26048), (356, 26012), (401, 25958), (403, 25955), (412, 25928), (439, 25877), (454, 25844), (457, 25832), (463, 25814), (497, 25742), (510, 25724), (517, 25712), (535, 25673), (548, 25637), (549, 25631), (559, 25610), (570, 25595), (579, 25577), (600, 25550), (665, 25439), (678, 25391), (679, 25388), (685, 25361), (687, 25355), (689, 25343), (707, 25304),

Gene: ANI8_36 Start: 26399, Stop: 25275, Start Num: 150
Candidate Starts for ANI8_36:
(107, 26453), (Start: 150 @26399 has 120 MA's), (Start: 189 @26345 has 14 MA's), (Start: 222 @26276 has 6 MA's), (322, 26075), (334, 26048), (356, 26012), (401, 25958), (403, 25955), (412, 25928), (439, 25877), (454, 25844), (457, 25832), (463, 25814), (497, 25742), (510, 25724), (517, 25712), (535, 25673), (548, 25637), (549, 25631), (559, 25610), (570, 25595), (579, 25577), (600, 25550), (665, 25439), (678, 25391), (679, 25388), (685, 25361), (687, 25355), (689, 25343), (707, 25304),

Gene: AbbyDaisy_36 Start: 27417, Stop: 26233, Start Num: 158
Candidate Starts for AbbyDaisy_36:
(39, 27699), (40, 27690), (47, 27654), (67, 27579), (86, 27522), (109, 27483), (Start: 158 @27417 has 315 MA's), (Start: 189 @27366 has 14 MA's), (282, 27198), (290, 27180), (359, 27048), (403, 26970), (408, 26952), (422, 26919), (439, 26883), (443, 26874), (467, 26814), (501, 26739), (555, 26619), (626, 26505), (664, 26448), (669, 26427), (670, 26424), (673, 26409), (712, 26289),

Gene: AbbyPaige_35 Start: 26720, Stop: 25575, Start Num: 133
Candidate Starts for AbbyPaige_35:
(Start: 133 @26720 has 7 MA's), (Start: 146 @26702 has 6 MA's), (Start: 194 @26618 has 8 MA's), (Start: 222 @26570 has 6 MA's), (242, 26525), (334, 26342), (356, 26306), (403, 26249), (406, 26237), (454, 26138), (457, 26126), (463, 26108), (510, 26018), (517, 26006), (548, 25931), (549, 25925), (559, 25904), (570, 25889), (579, 25871), (600, 25844), (665, 25733), (678, 25685), (679, 25682), (685, 25655), (687, 25649), (689, 25637), (707, 25598),

Gene: Abdiel_32 Start: 26295, Stop: 25129, Start Num: 113
Candidate Starts for Abdiel_32:
(Start: 113 @26295 has 3 MA's), (135, 26268), (Start: 150 @26250 has 120 MA's), (Start: 194 @26181 has 8 MA's), (Start: 222 @26127 has 6 MA's), (329, 25908), (334, 25899), (356, 25863), (395, 25821), (401, 25809), (403, 25806), (439, 25728), (497, 25593), (510, 25575), (548, 25488), (549, 25482), (559, 25461), (570, 25446), (579, 25428), (665, 25290), (678, 25242), (685, 25212), (687, 25206), (689, 25194), (707, 25155),

Gene: Acolyte_34 Start: 27024, Stop: 25957, Start Num: 189
Candidate Starts for Acolyte_34:
(Start: 150 @27078 has 120 MA's), (Start: 189 @27024 has 14 MA's), (Start: 222 @26955 has 6 MA's), (334, 26727), (356, 26691), (403, 26634), (412, 26607), (439, 26556), (463, 26493), (510, 26403), (517, 26391), (526, 26370), (548, 26316), (549, 26310), (559, 26289), (570, 26274), (600, 26229), (665, 26118), (678, 26070), (685, 26040), (687, 26034), (689, 26022), (707, 25983),

Gene: ActinUp_41 Start: 32479, Stop: 33567, Start Num: 158
Candidate Starts for ActinUp_41:
(Start: 158 @32479 has 315 MA's), (Start: 189 @32530 has 14 MA's), (Start: 222 @32581 has 6 MA's), (234, 32605), (Start: 252 @32641 has 15 MA's), (322, 32779), (352, 32833), (406, 32917), (439, 32986), (440, 32989), (510, 33139), (545, 33217), (553, 33244), (619, 33331), (661, 33379),

Gene: AdaS_35 Start: 25676, Stop: 24537, Start Num: 158
Candidate Starts for AdaS_35:
(Start: 158 @25676 has 315 MA's), (Start: 189 @25625 has 14 MA's), (282, 25457), (290, 25439), (359, 25307), (403, 25229), (406, 25217), (439, 25142), (443, 25133), (467, 25073), (511, 24983), (555, 24878), (571, 24857), (585, 24830), (664, 24707), (670, 24683), (673, 24668), (692, 24593), (706, 24563),

Gene: Adelaide_25 Start: 24090, Stop: 22960, Start Num: 163
Candidate Starts for Adelaide_25:
(Start: 163 @24090 has 3 MA's), (174, 24075), (Start: 192 @24051 has 2 MA's), (Start: 247 @23937 has 1 MA's), (265, 23898), (286, 23856), (297, 23823), (299, 23814), (316, 23787), (324, 23769), (374, 23685), (387, 23670), (405, 23625), (434, 23565), (461, 23523), (465, 23511), (469, 23505), (477, 23484), (507, 23430), (509, 23427), (511, 23424), (519, 23403), (553, 23319), (560, 23313), (575, 23295), (591, 23265), (635, 23208), (665, 23166), (670, 23151), (673, 23136), (674, 23130), (677, 23121), (680, 23112), (687, 23082), (704, 23040), (711, 23019), (713, 23016), (715, 23007), (733, 22980), (738, 22965),

Gene: Adephagia_41 Start: 32476, Stop: 33564, Start Num: 158
Candidate Starts for Adephagia_41:
(Start: 158 @32476 has 315 MA's), (Start: 189 @32527 has 14 MA's), (Start: 222 @32578 has 6 MA's), (234, 32602), (Start: 252 @32638 has 15 MA's), (322, 32776), (352, 32830), (406, 32914), (439, 32983), (440, 32986), (510, 33136), (545, 33214), (553, 33241), (619, 33328), (661, 33376),

Gene: Adonis_41 Start: 32777, Stop: 33865, Start Num: 158
Candidate Starts for Adonis_41:
(Start: 158 @32777 has 315 MA's), (Start: 222 @32879 has 6 MA's), (234, 32903), (Start: 252 @32939 has 15 MA's), (308, 33053), (352, 33131), (406, 33215), (439, 33284), (440, 33287), (510, 33437), (553, 33542), (619, 33629), (661, 33677),

Gene: Adora_37 Start: 31194, Stop: 32321, Start Num: 158
Candidate Starts for Adora_37:
(124, 31155), (Start: 158 @31194 has 315 MA's), (Start: 189 @31248 has 14 MA's), (249, 31371), (268, 31404), (309, 31494), (326, 31527), (439, 31722), (440, 31725), (457, 31767), (473, 31803), (633, 32100), (670, 32178), (676, 32205), (681, 32220), (687, 32247), (710, 32310),

Gene: Adora_34 Start: 29404, Stop: 30327, Start Num: 252
Candidate Starts for Adora_34:
(Start: 252 @29404 has 15 MA's), (Start: 256 @29410 has 84 MA's), (346, 29599), (347, 29605), (406, 29707), (415, 29731), (450, 29791), (482, 29848), (486, 29854), (491, 29860), (548, 29974), (549, 29980), (553, 29992), (609, 30067), (621, 30091), (623, 30094), (650, 30130), (660, 30136), (668, 30169), (677, 30205), (688, 30250),

Gene: Adzzy_35 Start: 25141, Stop: 24026, Start Num: 155
Candidate Starts for Adzzy_35:
(Start: 155 @25141 has 58 MA's), (Start: 222 @25024 has 6 MA's), (242, 24979), (334, 24796), (356, 24760), (395, 24718), (401, 24706), (403, 24703), (410, 24679), (497, 24490), (510, 24472), (517, 24460), (526, 24439), (548, 24385), (559, 24358), (570, 24343), (579, 24325), (600, 24298), (678, 24139), (685, 24109), (687, 24103), (689, 24091), (707, 24052), (710, 24043),

Gene: Agape74_35 Start: 26696, Stop: 25551, Start Num: 133
Candidate Starts for Agape74_35:

(Start: 133 @26696 has 7 MA's), (Start: 146 @26678 has 6 MA's), (Start: 194 @26594 has 8 MA's), (Start: 222 @26546 has 6 MA's), (242, 26501), (334, 26318), (356, 26282), (403, 26225), (406, 26213), (454, 26114), (457, 26102), (463, 26084), (510, 25994), (517, 25982), (548, 25907), (549, 25901), (559, 25880), (570, 25865), (579, 25847), (600, 25820), (665, 25709), (678, 25661), (679, 25658), (685, 25631), (687, 25625), (689, 25613), (707, 25574),

Gene: Ageofdapage_43 Start: 33453, Stop: 34541, Start Num: 158
Candidate Starts for Ageofdapage_43:
(Start: 158 @33453 has 315 MA's), (Start: 222 @33555 has 6 MA's), (234, 33579), (Start: 252 @33615 has 15 MA's), (282, 33666), (308, 33729), (322, 33753), (352, 33807), (355, 33810), (406, 33891), (439, 33960), (440, 33963), (454, 33993), (510, 34113), (545, 34191), (553, 34218), (661, 34353),

Gene: Aglet_36 Start: 26791, Stop: 25646, Start Num: 150
Candidate Starts for Aglet_36:
(Start: 150 @26791 has 120 MA's), (Start: 179 @26752 has 10 MA's), (Start: 222 @26668 has 6 MA's), (242, 26623), (322, 26467), (334, 26440), (356, 26404), (403, 26347), (439, 26269), (450, 26245), (463, 26206), (497, 26134), (505, 26122), (510, 26116), (517, 26104), (548, 26029), (549, 26023), (559, 26002), (570, 25987), (579, 25969), (598, 25945), (665, 25831), (677, 25786), (678, 25783), (681, 25774), (685, 25753), (687, 25747), (689, 25735), (707, 25696),

Gene: Agueybana_38 Start: 30381, Stop: 31463, Start Num: 155
Candidate Starts for Agueybana_38:
(Start: 83 @30270 has 6 MA's), (Start: 155 @30381 has 58 MA's), (Start: 189 @30435 has 14 MA's), (258, 30555), (401, 30810), (412, 30840), (440, 30900), (467, 30966), (477, 30990), (670, 31320), (710, 31452),

Gene: Aikyam_37 Start: 25607, Stop: 24468, Start Num: 158
Candidate Starts for Aikyam_37:
(Start: 158 @25607 has 315 MA's), (Start: 189 @25556 has 14 MA's), (282, 25388), (290, 25370), (359, 25238), (403, 25160), (406, 25148), (408, 25142), (439, 25073), (443, 25064), (467, 25004), (511, 24914), (555, 24809), (571, 24788), (585, 24761), (664, 24638), (670, 24614), (673, 24599), (692, 24524), (706, 24494),

Gene: Aikyam_33 Start: 22410, Stop: 23327, Start Num: 256
Candidate Starts for Aikyam_33:
(196, 22281), (200, 22287), (Start: 256 @22410 has 84 MA's), (325, 22566), (333, 22581), (340, 22593), (417, 22740), (421, 22749), (447, 22788), (476, 22833), (486, 22857), (491, 22863), (511, 22896), (531, 22938), (537, 22947), (550, 22989), (609, 23073), (673, 23193), (677, 23208),

Gene: Akhila_37 Start: 29110, Stop: 30237, Start Num: 158
Candidate Starts for Akhila_37:
(85, 29008), (123, 29065), (Start: 158 @29110 has 315 MA's), (Start: 163 @29119 has 3 MA's), (Start: 252 @29281 has 15 MA's), (276, 29332), (282, 29350), (299, 29395), (352, 29491), (359, 29500), (412, 29605), (441, 29674), (457, 29713), (465, 29734), (471, 29746), (473, 29749), (477, 29761), (495, 29800), (499, 29806), (514, 29827), (533, 29863), (535, 29866), (548, 29902), (549, 29908), (553, 29920), (555, 29923), (566, 29938), (619, 30007), (629, 30022), (650, 30040), (664, 30064), (674, 30109), (677, 30118), (681, 30130), (687, 30157), (690, 30175), (703, 30196), (707, 30211), (710, 30220), (712, 30223),

Gene: Alatato_29 Start: 23820, Stop: 22690, Start Num: 158
Candidate Starts for Alatato_29:
(43, 24084), (Start: 158 @23820 has 315 MA's), (Start: 189 @23769 has 14 MA's), (191, 23766), (282, 23604), (308, 23541), (329, 23496), (341, 23475), (410, 23337), (412, 23334), (423, 23310), (433,

23295), (451, 23250), (523, 23091), (548, 23037), (569, 22995), (583, 22968), (619, 22914), (626, 22899), (633, 22890), (673, 22806), (674, 22800), (677, 22791), (688, 22746),

Gene: Alexphander_45 Start: 32418, Stop: 33536, Start Num: 158
Candidate Starts for Alexphander_45:
(Start: 158 @32418 has 315 MA's), (235, 32556), (Start: 252 @32589 has 15 MA's), (278, 32637), (352, 32790), (359, 32799), (403, 32880), (441, 32973), (457, 33012), (465, 33033), (471, 33045), (473, 33048), (477, 33060), (495, 33099), (499, 33105), (514, 33126), (533, 33162), (535, 33165), (548, 33201), (549, 33207), (555, 33222), (566, 33237), (619, 33306), (629, 33321), (650, 33339), (674, 33408), (677, 33417), (687, 33456), (690, 33474), (703, 33495), (707, 33510), (710, 33519), (712, 33522),

Gene: AlishaPH_41 Start: 32751, Stop: 33839, Start Num: 158
Candidate Starts for AlishaPH_41:
(Start: 158 @32751 has 315 MA's), (Start: 222 @32853 has 6 MA's), (234, 32877), (Start: 252 @32913 has 15 MA's), (322, 33051), (352, 33105), (406, 33189), (439, 33258), (440, 33261), (510, 33411), (553, 33516), (619, 33603), (661, 33651), (704, 33795),

Gene: AllBusiness_33 Start: 27251, Stop: 28171, Start Num: 256
Candidate Starts for AllBusiness_33:
(Start: 236 @27209 has 1 MA's), (Start: 256 @27251 has 84 MA's), (265, 27275), (303, 27365), (325, 27407), (334, 27425), (340, 27437), (382, 27494), (417, 27584), (447, 27632), (476, 27677), (486, 27701), (491, 27707), (511, 27740), (531, 27782), (550, 27833), (609, 27917), (667, 28013), (673, 28037), (679, 28058), (707, 28142),

Gene: AlumE_39 Start: 31289, Stop: 32371, Start Num: 155
Candidate Starts for AlumE_39:
(Start: 83 @31178 has 6 MA's), (Start: 155 @31289 has 58 MA's), (Start: 189 @31343 has 14 MA's), (258, 31463), (412, 31748), (440, 31808), (467, 31874), (477, 31898), (670, 32228), (688, 32303), (710, 32360),

Gene: Amelie_36 Start: 31976, Stop: 33070, Start Num: 158
Candidate Starts for Amelie_36:
(26, 31625), (Start: 29 @31640 has 1 MA's), (45, 31733), (50, 31754), (78, 31847), (Start: 158 @31976 has 315 MA's), (Start: 189 @32027 has 14 MA's), (234, 32102), (Start: 252 @32138 has 15 MA's), (299, 32234), (308, 32252), (322, 32276), (349, 32324), (352, 32330), (426, 32462), (439, 32495), (457, 32540), (510, 32648), (553, 32753), (606, 32813), (661, 32888), (688, 32996), (704, 33032),

Gene: Amochick_29 Start: 26484, Stop: 25291, Start Num: 187
Candidate Starts for Amochick_29:
(Start: 160 @26526 has 2 MA's), (Start: 187 @26484 has 20 MA's), (216, 26418), (251, 26337), (267, 26298), (276, 26283), (278, 26277), (282, 26265), (292, 26238), (304, 26205), (334, 26148), (357, 26115), (359, 26112), (378, 26064), (395, 26022), (396, 26019), (406, 25995), (412, 25980), (422, 25956), (431, 25941), (450, 25902), (454, 25890), (467, 25851), (485, 25812), (514, 25764), (516, 25761), (548, 25689), (549, 25683), (553, 25671), (555, 25668), (559, 25662), (588, 25608), (602, 25590), (604, 25587), (617, 25560), (632, 25533), (662, 25491), (668, 25464), (670, 25458), (683, 25401), (706, 25338), (707, 25335),

Gene: Amymech_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Amymech_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422,

25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Anaya_43 Start: 33089, Stop: 34177, Start Num: 158
Candidate Starts for Anaya_43:
(Start: 158 @33089 has 315 MA's), (Start: 222 @33191 has 6 MA's), (234, 33215), (Start: 252 @33251 has 15 MA's), (308, 33365), (352, 33443), (406, 33527), (439, 33596), (440, 33599), (510, 33749), (553, 33854), (619, 33941), (661, 33989),

Gene: Anekin_34 Start: 24275, Stop: 25195, Start Num: 256
Candidate Starts for Anekin_34:
(196, 24146), (207, 24173), (Start: 236 @24233 has 1 MA's), (Start: 256 @24275 has 84 MA's), (303, 24389), (310, 24404), (325, 24431), (334, 24449), (382, 24518), (417, 24608), (421, 24617), (447, 24656), (486, 24725), (491, 24731), (511, 24764), (531, 24806), (537, 24815),

Gene: Anekin_37 Start: 26993, Stop: 25815, Start Num: 158
Candidate Starts for Anekin_37:
(144, 27011), (Start: 158 @26993 has 315 MA's), (Start: 189 @26942 has 14 MA's), (226, 26876), (290, 26756), (334, 26660), (359, 26624), (403, 26546), (439, 26459), (443, 26450), (467, 26390), (488, 26342), (511, 26300), (559, 26189), (585, 26147), (664, 26030), (669, 26009), (670, 26006), (673, 25991), (712, 25871),

Gene: Angelica_41 Start: 32708, Stop: 33796, Start Num: 158
Candidate Starts for Angelica_41:
(Start: 158 @32708 has 315 MA's), (Start: 222 @32810 has 6 MA's), (226, 32819), (234, 32834), (Start: 252 @32870 has 15 MA's), (352, 33062), (406, 33146), (439, 33215), (440, 33218), (510, 33368), (553, 33473), (619, 33560), (661, 33608), (704, 33752),

Gene: Angelique_39 Start: 30954, Stop: 32036, Start Num: 155
Candidate Starts for Angelique_39:
(Start: 83 @30843 has 6 MA's), (Start: 155 @30954 has 58 MA's), (Start: 189 @31008 has 14 MA's), (258, 31128), (401, 31383), (412, 31413), (440, 31473), (467, 31539), (477, 31563), (533, 31668), (670, 31893), (676, 31920), (688, 31968), (710, 32025),

Gene: Anma_43 Start: 33376, Stop: 34464, Start Num: 158
Candidate Starts for Anma_43:
(50, 33154), (Start: 158 @33376 has 315 MA's), (Start: 189 @33427 has 14 MA's), (Start: 222 @33478 has 6 MA's), (234, 33502), (Start: 252 @33538 has 15 MA's), (308, 33652), (352, 33730), (406, 33814), (439, 33883), (440, 33886), (510, 34036), (553, 34141), (661, 34276), (704, 34420),

Gene: Annalisa_36 Start: 28551, Stop: 29678, Start Num: 158
Candidate Starts for Annalisa_36:
(52, 28332), (58, 28368), (Start: 158 @28551 has 315 MA's), (Start: 189 @28605 has 14 MA's), (249, 28728), (268, 28761), (309, 28851), (326, 28884), (439, 29079), (440, 29082), (457, 29124), (473, 29160), (633, 29457), (681, 29577), (687, 29604), (710, 29667),

Gene: Annalisa_34 Start: 27182, Stop: 28099, Start Num: 256
Candidate Starts for Annalisa_34:
(Start: 252 @27176 has 15 MA's), (Start: 256 @27182 has 84 MA's), (346, 27371), (347, 27377), (406, 27479), (415, 27503), (450, 27563), (482, 27620), (486, 27626), (491, 27632), (548, 27746), (549, 27752), (553, 27764), (609, 27839), (621, 27863), (623, 27866), (650, 27902), (660, 27908), (663,

27920), (688, 28022),

Gene: Anselm_35 Start: 26782, Stop: 25661, Start Num: 150
Candidate Starts for Anselm_35:
(Start: 101 @26845 has 2 MA's), (Start: 150 @26782 has 120 MA's), (Start: 189 @26728 has 14 MA's), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (356, 26395), (406, 26326), (432, 26284), (439, 26260), (463, 26197), (510, 26107), (517, 26095), (548, 26020), (549, 26014), (559, 25993), (570, 25978), (579, 25960), (600, 25933), (665, 25822), (677, 25777), (678, 25774), (679, 25771), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Antonio_39 Start: 30563, Stop: 31645, Start Num: 155
Candidate Starts for Antonio_39:
(Start: 83 @30452 has 6 MA's), (Start: 155 @30563 has 58 MA's), (Start: 189 @30617 has 14 MA's), (258, 30737), (401, 30992), (412, 31022), (440, 31082), (467, 31148), (477, 31172), (670, 31502), (676, 31529), (710, 31634),

Gene: Anubis_38 Start: 26676, Stop: 25531, Start Num: 150
Candidate Starts for Anubis_38:
(Start: 150 @26676 has 120 MA's), (Start: 179 @26637 has 10 MA's), (203, 26589), (Start: 222 @26553 has 6 MA's), (242, 26508), (322, 26352), (334, 26325), (356, 26289), (403, 26232), (439, 26154), (450, 26130), (463, 26091), (497, 26019), (505, 26007), (510, 26001), (517, 25989), (548, 25914), (549, 25908), (559, 25887), (570, 25872), (579, 25854), (598, 25830), (665, 25716), (677, 25671), (678, 25668), (681, 25659), (685, 25638), (687, 25632), (689, 25620), (707, 25581),

Gene: Apocalypse_44 Start: 33493, Stop: 34581, Start Num: 158
Candidate Starts for Apocalypse_44:
(Start: 158 @33493 has 315 MA's), (Start: 222 @33595 has 6 MA's), (234, 33619), (Start: 252 @33655 has 15 MA's), (322, 33793), (352, 33847), (406, 33931), (439, 34000), (440, 34003), (510, 34153), (553, 34258), (619, 34345), (661, 34393), (704, 34537),

Gene: Apricot_48 Start: 31405, Stop: 32475, Start Num: 158
Candidate Starts for Apricot_48:
(120, 31360), (Start: 158 @31405 has 315 MA's), (Start: 189 @31456 has 14 MA's), (221, 31504), (235, 31534), (249, 31561), (294, 31648), (326, 31714), (329, 31720), (352, 31756), (359, 31765), (396, 31816), (406, 31840), (413, 31858), (443, 31921), (457, 31957), (471, 31990), (473, 31993), (477, 32005), (488, 32029), (561, 32173), (582, 32200), (631, 32272), (670, 32332), (676, 32359), (683, 32389), (688, 32407), (710, 32464),

Gene: ArV2_29 Start: 22829, Stop: 21699, Start Num: 158
Candidate Starts for ArV2_29:
(Start: 158 @22829 has 315 MA's), (Start: 189 @22778 has 14 MA's), (278, 22625), (308, 22550), (343, 22481), (363, 22454), (412, 22343), (423, 22319), (451, 22259), (453, 22256), (457, 22241), (548, 22046), (561, 22016), (574, 21998), (575, 21995), (583, 21977), (619, 21923), (626, 21908), (648, 21881), (674, 21809), (677, 21800), (681, 21788),

Gene: ArchiDore_37 Start: 30835, Stop: 31752, Start Num: 256
Candidate Starts for ArchiDore_37:
(Start: 252 @30829 has 15 MA's), (Start: 256 @30835 has 84 MA's), (309, 30955), (346, 31024), (347, 31030), (395, 31102), (413, 31153), (450, 31216), (481, 31270), (486, 31279), (498, 31300), (504, 31309), (519, 31339), (594, 31471), (609, 31492), (621, 31516), (623, 31519), (634, 31540), (650, 31555), (660, 31561), (677, 31630), (715, 31744),

Gene: Ardmore_36 Start: 30890, Stop: 32008, Start Num: 158

Candidate Starts for Ardmore_36:
(Start: 158 @30890 has 315 MA's), (Start: 163 @30899 has 3 MA's), (Start: 252 @31061 has 15 MA's), (329, 31226), (352, 31262), (359, 31271), (441, 31445), (463, 31502), (465, 31505), (471, 31517), (473, 31520), (477, 31532), (495, 31571), (514, 31598), (533, 31634), (535, 31637), (548, 31673), (549, 31679), (553, 31691), (555, 31694), (619, 31778), (629, 31793), (650, 31811), (674, 31880), (677, 31889), (687, 31928), (690, 31946), (703, 31967), (707, 31982), (710, 31991), (712, 31994),

Gene: Arianna_32 Start: 30114, Stop: 28903, Start Num: 169
Candidate Starts for Arianna_32:
(Start: 169 @30114 has 4 MA's), (255, 29940), (313, 29799), (401, 29640), (465, 29490), (513, 29400), (637, 29136), (649, 29100), (653, 29094), (704, 28929), (708, 28914), (709, 28911),

Gene: Ariel_86 Start: 50063, Stop: 51337, Start Num: 114
Candidate Starts for Ariel_86:
(82, 50006), (Start: 102 @50048 has 2 MA's), (Start: 114 @50063 has 10 MA's), (117, 50066), (Start: 148 @50111 has 1 MA's), (Start: 170 @50150 has 1 MA's), (356, 50531), (395, 50615), (401, 50627), (403, 50630), (458, 50759), (529, 50879), (553, 50942), (566, 50960), (576, 50984), (617, 51056), (684, 51233), (685, 51236), (687, 51242), (690, 51260), (699, 51275), (704, 51284), (705, 51287), (726, 51332),

Gene: Asapag_47 Start: 32537, Stop: 33631, Start Num: 158
Candidate Starts for Asapag_47:
(93, 32450), (116, 32486), (Start: 158 @32537 has 315 MA's), (Start: 189 @32588 has 14 MA's), (233, 32660), (235, 32666), (249, 32693), (294, 32780), (329, 32852), (352, 32888), (359, 32897), (406, 32972), (413, 32990), (457, 33089), (471, 33122), (473, 33125), (477, 33137), (535, 33239), (561, 33305), (582, 33332), (631, 33404), (670, 33464), (676, 33491), (712, 33599),

Gene: Asayake_41 Start: 32792, Stop: 33880, Start Num: 158
Candidate Starts for Asayake_41:
(Start: 158 @32792 has 315 MA's), (Start: 222 @32894 has 6 MA's), (234, 32918), (Start: 252 @32954 has 15 MA's), (322, 33092), (406, 33230), (439, 33299), (440, 33302), (510, 33452), (553, 33557), (661, 33692),

Gene: Atiba_41 Start: 32439, Stop: 33527, Start Num: 158
Candidate Starts for Atiba_41:
(Start: 158 @32439 has 315 MA's), (Start: 189 @32490 has 14 MA's), (Start: 222 @32541 has 6 MA's), (234, 32565), (Start: 252 @32601 has 15 MA's), (322, 32739), (352, 32793), (406, 32877), (439, 32946), (440, 32949), (510, 33099), (545, 33177), (553, 33204), (619, 33291), (661, 33339),

Gene: Attis_34 Start: 27696, Stop: 28778, Start Num: 155
Candidate Starts for Attis_34:
(Start: 83 @27585 has 6 MA's), (Start: 155 @27696 has 58 MA's), (Start: 189 @27750 has 14 MA's), (258, 27870), (401, 28125), (412, 28155), (440, 28215), (467, 28281), (477, 28305), (670, 28635), (676, 28662), (710, 28767),

Gene: AugsMagnumOpus_38 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for AugsMagnumOpus_38:
(Start: 150 @26782 has 120 MA's), (Start: 179 @26743 has 10 MA's), (203, 26695), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (334, 26431), (356, 26395), (403, 26338), (439, 26260), (450, 26236), (463, 26197), (497, 26125), (505, 26113), (510, 26107), (517, 26095), (548, 26020), (549, 26014), (559, 25993), (570, 25978), (579, 25960), (598, 25936), (665, 25822), (677, 25777), (678, 25774), (681, 25765), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Auxilium_38 Start: 25309, Stop: 24170, Start Num: 158
Candidate Starts for Auxilium_38:
(Start: 158 @25309 has 315 MA's), (Start: 189 @25258 has 14 MA's), (282, 25090), (290, 25072), (359, 24940), (403, 24862), (406, 24850), (439, 24775), (443, 24766), (467, 24706), (511, 24616), (555, 24511), (571, 24490), (585, 24463), (664, 24340), (670, 24316), (673, 24301), (692, 24226), (706, 24196),

Gene: Auxilium_34 Start: 22112, Stop: 23029, Start Num: 256
Candidate Starts for Auxilium_34:
(196, 21983), (200, 21989), (Start: 256 @22112 has 84 MA's), (325, 22268), (333, 22283), (340, 22295), (417, 22442), (421, 22451), (447, 22490), (476, 22535), (486, 22559), (491, 22565), (511, 22598), (531, 22640), (537, 22649), (550, 22691), (609, 22775), (673, 22895), (677, 22910),

Gene: B1_31 Start: 25858, Stop: 24692, Start Num: 118
Candidate Starts for B1_31:
(Start: 118 @25858 has 1 MA's), (Start: 150 @25816 has 120 MA's), (Start: 222 @25693 has 6 MA's), (242, 25648), (284, 25576), (302, 25528), (329, 25474), (334, 25465), (356, 25429), (403, 25372), (510, 25141), (517, 25129), (526, 25108), (548, 25054), (549, 25048), (559, 25027), (570, 25012), (579, 24994), (600, 24967), (665, 24856), (678, 24808), (679, 24805), (685, 24778), (687, 24772), (689, 24760), (699, 24739), (707, 24721),

Gene: BAKA_86 Start: 53552, Stop: 54781, Start Num: 136
Candidate Starts for BAKA_86:
(Start: 136 @53552 has 29 MA's), (Start: 148 @53570 has 1 MA's), (Start: 170 @53609 has 1 MA's), (282, 53846), (329, 53954), (395, 54074), (396, 54077), (401, 54086), (406, 54101), (422, 54140), (458, 54218), (514, 54323), (520, 54335), (529, 54338), (533, 54347), (551, 54398), (553, 54401), (566, 54419), (617, 54515), (652, 54572), (684, 54692), (685, 54695), (690, 54719), (704, 54743), (705, 54746),

Gene: BBQValindra_35 Start: 29573, Stop: 30496, Start Num: 252
Candidate Starts for BBQValindra_35:
(Start: 252 @29573 has 15 MA's), (Start: 256 @29579 has 84 MA's), (346, 29768), (347, 29774), (415, 29900), (443, 29945), (450, 29960), (486, 30023), (498, 30044), (549, 30149), (553, 30161), (594, 30215), (609, 30236), (623, 30263), (695, 30440), (707, 30467),

Gene: BEEST_41 Start: 32792, Stop: 33880, Start Num: 158
Candidate Starts for BEEST_41:
(Start: 158 @32792 has 315 MA's), (Start: 222 @32894 has 6 MA's), (234, 32918), (Start: 252 @32954 has 15 MA's), (322, 33092), (406, 33230), (439, 33299), (440, 33302), (510, 33452), (553, 33557), (661, 33692),

Gene: BENtherdunthat_50 Start: 31782, Stop: 32852, Start Num: 158
Candidate Starts for BENtherdunthat_50:
(122, 31740), (Start: 158 @31782 has 315 MA's), (Start: 189 @31833 has 14 MA's), (233, 31905), (235, 31911), (249, 31938), (352, 32133), (359, 32142), (396, 32193), (401, 32202), (403, 32205), (406, 32217), (427, 32262), (443, 32298), (457, 32334), (471, 32367), (473, 32370), (477, 32382), (561, 32550), (631, 32649), (670, 32709), (676, 32736), (677, 32739), (683, 32766), (685, 32772), (688, 32784), (710, 32841),

Gene: BGlluviae_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for BGlluviae_41:

(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: BabyJohn_32 Start: 26607, Stop: 25474, Start Num: 140
Candidate Starts for BabyJohn_32:
(Start: 140 @26607 has 6 MA's), (Start: 194 @26526 has 8 MA's), (Start: 222 @26472 has 6 MA's), (242, 26427), (331, 26250), (334, 26244), (356, 26208), (403, 26151), (439, 26073), (510, 25920), (517, 25908), (548, 25833), (549, 25827), (559, 25806), (570, 25791), (579, 25773), (598, 25749), (678, 25587), (685, 25557), (687, 25551), (689, 25539), (707, 25500),

Gene: BabyRay_33 Start: 26385, Stop: 25249, Start Num: 140
Candidate Starts for BabyRay_33:
(Start: 140 @26385 has 6 MA's), (Start: 222 @26250 has 6 MA's), (331, 26028), (334, 26022), (343, 26007), (356, 25986), (403, 25929), (439, 25851), (510, 25698), (517, 25686), (548, 25611), (549, 25605), (559, 25584), (570, 25569), (579, 25551), (678, 25365), (685, 25335), (687, 25329), (689, 25317), (699, 25296), (707, 25278),

Gene: Bactobuster_35 Start: 27867, Stop: 26860, Start Num: 222
Candidate Starts for Bactobuster_35:
(Start: 150 @27987 has 120 MA's), (Start: 179 @27951 has 10 MA's), (Start: 222 @27867 has 6 MA's), (242, 27822), (326, 27654), (356, 27603), (432, 27492), (439, 27468), (454, 27435), (457, 27423), (477, 27375), (510, 27315), (512, 27312), (517, 27303), (548, 27228), (549, 27222), (559, 27201), (570, 27186), (579, 27168), (678, 26982), (685, 26952), (687, 26946), (689, 26934), (707, 26895), (718, 26871),

Gene: Baehexic_34 Start: 26830, Stop: 25697, Start Num: 150
Candidate Starts for Baehexic_34:
(Start: 150 @26830 has 120 MA's), (Start: 189 @26776 has 14 MA's), (Start: 222 @26707 has 6 MA's), (242, 26662), (322, 26506), (334, 26479), (356, 26443), (403, 26386), (457, 26263), (463, 26245), (510, 26155), (517, 26143), (548, 26068), (549, 26062), (559, 26041), (570, 26026), (579, 26008), (600, 25981), (606, 25972), (665, 25870), (678, 25822), (685, 25792), (687, 25786), (689, 25774), (707, 25735),

Gene: BaghaKamala_40 Start: 31917, Stop: 33005, Start Num: 158
Candidate Starts for BaghaKamala_40:
(50, 31695), (Start: 158 @31917 has 315 MA's), (Start: 189 @31968 has 14 MA's), (Start: 222 @32019 has 6 MA's), (234, 32043), (Start: 252 @32079 has 15 MA's), (322, 32217), (352, 32271), (406, 32355), (439, 32424), (440, 32427), (510, 32577), (553, 32682), (619, 32769), (661, 32817),

Gene: Bagrid_82 Start: 52202, Stop: 53431, Start Num: 136
Candidate Starts for Bagrid_82:
(Start: 136 @52202 has 29 MA's), (Start: 148 @52220 has 1 MA's), (Start: 170 @52259 has 1 MA's), (282, 52496), (329, 52604), (395, 52724), (396, 52727), (401, 52736), (406, 52751), (422, 52790), (458, 52868), (514, 52973), (520, 52985), (529, 52988), (533, 52997), (551, 53048), (553, 53051), (566, 53069), (617, 53165), (652, 53222), (684, 53342), (685, 53345), (690, 53369), (704, 53393), (705, 53396),

Gene: Bakery_42 Start: 33465, Stop: 34382, Start Num: 256
Candidate Starts for Bakery_42:
(Start: 252 @33459 has 15 MA's), (Start: 256 @33465 has 84 MA's), (308, 33582), (309, 33585), (342, 33648), (346, 33654), (347, 33660), (450, 33846), (481, 33900), (482, 33903), (486, 33909), (498,

33930), (548, 34029), (549, 34035), (553, 34047), (609, 34122), (623, 34149), (667, 34221), (677, 34260), (715, 34374),

Gene: Ball_25 Start: 21363, Stop: 22283, Start Num: 256
Candidate Starts for Ball_25:
(Start: 256 @21363 has 84 MA's), (265, 21387), (303, 21477), (325, 21519), (334, 21537), (340, 21549), (382, 21606), (391, 21627), (417, 21696), (421, 21705), (447, 21744), (486, 21813), (491, 21819), (511, 21852), (521, 21876), (531, 21894), (550, 21945), (553, 21951), (564, 21963), (673, 22149), (679, 22170), (706, 22251), (707, 22254),

Gene: BangNhom_33 Start: 26587, Stop: 25466, Start Num: 150
Candidate Starts for BangNhom_33:
(Start: 113 @26632 has 3 MA's), (135, 26605), (Start: 150 @26587 has 120 MA's), (Start: 194 @26518 has 8 MA's), (Start: 222 @26464 has 6 MA's), (329, 26245), (334, 26236), (356, 26200), (395, 26158), (401, 26146), (403, 26143), (497, 25930), (510, 25912), (548, 25825), (549, 25819), (559, 25798), (570, 25783), (579, 25765), (665, 25627), (678, 25579), (685, 25549), (687, 25543), (689, 25531), (707, 25492),

Gene: Banquo_37 Start: 27140, Stop: 26034, Start Num: 197
Candidate Starts for Banquo_37:
(Start: 197 @27140 has 12 MA's), (359, 26819), (396, 26756), (403, 26744), (422, 26693), (495, 26531), (525, 26483), (584, 26354), (611, 26306), (654, 26210), (681, 26120), (687, 26093),

Gene: BarrelRoll_41 Start: 32462, Stop: 33550, Start Num: 158
Candidate Starts for BarrelRoll_41:
(Start: 158 @32462 has 315 MA's), (Start: 189 @32513 has 14 MA's), (Start: 222 @32564 has 6 MA's), (234, 32588), (Start: 252 @32624 has 15 MA's), (322, 32762), (352, 32816), (406, 32900), (439, 32969), (440, 32972), (510, 33122), (545, 33200), (553, 33227), (619, 33314), (661, 33362),

Gene: BasketStar_41 Start: 28246, Stop: 27074, Start Num: 158
Candidate Starts for BasketStar_41:
(Start: 158 @28246 has 315 MA's), (Start: 189 @28195 has 14 MA's), (282, 28027), (290, 28009), (359, 27877), (403, 27799), (406, 27787), (439, 27712), (443, 27703), (467, 27643), (511, 27553), (555, 27448), (571, 27427), (585, 27400), (664, 27277), (670, 27253), (673, 27238), (712, 27118), (725, 27091),

Gene: BasketStar_36 Start: 24585, Stop: 25544, Start Num: 236
Candidate Starts for BasketStar_36:
(Start: 236 @24585 has 1 MA's), (Start: 247 @24609 has 1 MA's), (Start: 256 @24627 has 84 MA's), (333, 24798), (340, 24810), (414, 24951), (417, 24957), (447, 25005), (476, 25050), (486, 25074), (491, 25080), (494, 25089), (511, 25113), (531, 25155), (537, 25164), (539, 25167), (553, 25212), (609, 25290), (673, 25410), (677, 25425),

Gene: BatStarr_39 Start: 31901, Stop: 33094, Start Num: 83
Candidate Starts for BatStarr_39:
(Start: 83 @31901 has 6 MA's), (Start: 155 @32012 has 58 MA's), (Start: 189 @32066 has 14 MA's), (258, 32186), (396, 32432), (401, 32441), (412, 32471), (440, 32531), (467, 32597), (477, 32621), (670, 32951), (676, 32978), (710, 33083),

Gene: Batiatus_43 Start: 33150, Stop: 34277, Start Num: 158
Candidate Starts for Batiatus_43:
(85, 33048), (123, 33105), (Start: 158 @33150 has 315 MA's), (Start: 163 @33159 has 3 MA's), (Start: 252 @33321 has 15 MA's), (276, 33372), (282, 33390), (299, 33435), (352, 33531), (359, 33540), (403,

33621), (412, 33645), (441, 33714), (457, 33753), (463, 33771), (465, 33774), (471, 33786), (473, 33789), (477, 33801), (483, 33816), (495, 33840), (499, 33846), (514, 33867), (533, 33903), (535, 33906), (548, 33942), (549, 33948), (555, 33963), (566, 33978), (619, 34047), (629, 34062), (664, 34104), (674, 34149), (677, 34158), (687, 34197), (690, 34215), (703, 34236), (707, 34251), (710, 34260), (712, 34263),

Gene: Bauer_39 Start: 26996, Stop: 28129, Start Num: 158
Candidate Starts for Bauer_39:
(51, 26783), (56, 26819), (73, 26861), (Start: 139 @26984 has 2 MA's), (Start: 158 @26996 has 315 MA's), (216, 27089), (263, 27182), (359, 27359), (403, 27422), (406, 27434), (440, 27512), (446, 27524), (466, 27575), (502, 27656), (511, 27668), (525, 27695), (548, 27749), (618, 27869), (629, 27890), (670, 27962), (673, 27977), (690, 28049), (692, 28052), (706, 28082), (707, 28085), (722, 28118),

Gene: Bauer_32 Start: 24145, Stop: 25065, Start Num: 256
Candidate Starts for Bauer_32:
(Start: 256 @24145 has 84 MA's), (303, 24259), (325, 24301), (334, 24319), (340, 24331), (382, 24388), (417, 24478), (447, 24526), (486, 24595), (491, 24601), (511, 24634), (521, 24658), (673, 24931), (677, 24946), (679, 24952),

Gene: Beakin_43 Start: 31583, Stop: 32701, Start Num: 158
Candidate Starts for Beakin_43:
(Start: 158 @31583 has 315 MA's), (Start: 163 @31592 has 3 MA's), (Start: 252 @31754 has 15 MA's), (329, 31919), (352, 31955), (359, 31964), (412, 32069), (441, 32138), (457, 32177), (463, 32195), (465, 32198), (471, 32210), (473, 32213), (477, 32225), (483, 32240), (495, 32264), (499, 32270), (514, 32291), (533, 32327), (535, 32330), (548, 32366), (549, 32372), (555, 32387), (566, 32402), (619, 32471), (629, 32486), (664, 32528), (674, 32573), (677, 32582), (687, 32621), (690, 32639), (703, 32660), (707, 32675), (710, 32684), (712, 32687),

Gene: Beauxregard13_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for Beauxregard13_36:
(Start: 150 @26790 has 120 MA's), (Start: 179 @26751 has 10 MA's), (203, 26703), (Start: 222 @26667 has 6 MA's), (242, 26622), (322, 26466), (334, 26439), (356, 26403), (403, 26346), (439, 26268), (450, 26244), (463, 26205), (497, 26133), (505, 26121), (510, 26115), (517, 26103), (548, 26028), (549, 26022), (559, 26001), (570, 25986), (579, 25968), (598, 25944), (665, 25830), (677, 25785), (678, 25782), (681, 25773), (685, 25752), (687, 25746), (689, 25734), (707, 25695),

Gene: BeeGee_42 Start: 31829, Stop: 32935, Start Num: 158
Candidate Starts for BeeGee_42:
(Start: 114 @31772 has 10 MA's), (Start: 158 @31829 has 315 MA's), (Start: 189 @31880 has 14 MA's), (249, 31985), (276, 32024), (405, 32258), (406, 32264), (439, 32333), (440, 32336), (454, 32366), (473, 32417), (477, 32429), (597, 32657), (638, 32717), (670, 32792), (677, 32822), (710, 32924),

Gene: Beem_81 Start: 53063, Stop: 54292, Start Num: 136
Candidate Starts for Beem_81:
(Start: 136 @53063 has 29 MA's), (Start: 148 @53081 has 1 MA's), (Start: 170 @53120 has 1 MA's), (282, 53357), (329, 53465), (395, 53585), (396, 53588), (401, 53597), (406, 53612), (422, 53651), (458, 53729), (514, 53834), (520, 53846), (529, 53849), (533, 53858), (551, 53909), (553, 53912), (566, 53930), (617, 54026), (652, 54083), (684, 54203), (685, 54206), (690, 54230), (704, 54254), (705, 54257),

Gene: Beenie_33 Start: 29179, Stop: 30306, Start Num: 158

Candidate Starts for Beenie_33:
(124, 29140), (Start: 158 @29179 has 315 MA's), (Start: 189 @29233 has 14 MA's), (249, 29356), (268, 29389), (309, 29479), (326, 29512), (439, 29707), (440, 29710), (457, 29752), (473, 29788), (633, 30085), (670, 30163), (676, 30190), (681, 30205), (687, 30232), (710, 30295),

Gene: Beenie_30 Start: 27395, Stop: 28312, Start Num: 256
Candidate Starts for Beenie_30:
(Start: 252 @27389 has 15 MA's), (Start: 256 @27395 has 84 MA's), (346, 27584), (347, 27590), (406, 27692), (415, 27716), (450, 27776), (482, 27833), (486, 27839), (491, 27845), (548, 27959), (549, 27965), (553, 27977), (609, 28052), (621, 28076), (623, 28079), (650, 28115), (660, 28121), (668, 28154), (688, 28235),

Gene: Beezoo_43 Start: 33442, Stop: 34530, Start Num: 158
Candidate Starts for Beezoo_43:
(Start: 158 @33442 has 315 MA's), (Start: 222 @33544 has 6 MA's), (234, 33568), (Start: 252 @33604 has 15 MA's), (322, 33742), (352, 33796), (406, 33880), (439, 33949), (440, 33952), (510, 34102), (553, 34207), (619, 34294), (661, 34342), (704, 34486),

Gene: Bella96_42 Start: 33333, Stop: 34421, Start Num: 158
Candidate Starts for Bella96_42:
(Start: 158 @33333 has 315 MA's), (Start: 189 @33384 has 14 MA's), (Start: 222 @33435 has 6 MA's), (234, 33459), (Start: 252 @33495 has 15 MA's), (308, 33609), (322, 33633), (352, 33687), (406, 33771), (439, 33840), (510, 33993), (553, 34098), (619, 34185), (661, 34233), (704, 34377),

Gene: BellaJr_39 Start: 28072, Stop: 29196, Start Num: 158
Candidate Starts for BellaJr_39:
(Start: 158 @28072 has 315 MA's), (216, 28165), (263, 28258), (359, 28435), (403, 28498), (406, 28510), (440, 28588), (446, 28600), (466, 28651), (502, 28732), (525, 28771), (548, 28825), (585, 28894), (669, 29035), (670, 29038), (673, 29053), (684, 29098), (692, 29128), (706, 29158),

Gene: BellaJr_33 Start: 25121, Stop: 26041, Start Num: 256
Candidate Starts for BellaJr_33:
(100, 24830), (106, 24842), (Start: 152 @24908 has 2 MA's), (199, 24998), (Start: 256 @25121 has 84 MA's), (303, 25235), (330, 25286), (334, 25295), (340, 25307), (382, 25364), (417, 25454), (447, 25502), (486, 25571), (491, 25577), (511, 25610), (521, 25634), (673, 25907), (677, 25922), (679, 25928),

Gene: Belladonna_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Belladonna_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: BellusTerra_33 Start: 26249, Stop: 25128, Start Num: 150
Candidate Starts for BellusTerra_33:
(Start: 113 @26294 has 3 MA's), (135, 26267), (Start: 150 @26249 has 120 MA's), (Start: 194 @26180 has 8 MA's), (Start: 222 @26126 has 6 MA's), (329, 25907), (334, 25898), (356, 25862), (395, 25820), (401, 25808), (403, 25805), (439, 25727), (497, 25592), (510, 25574), (548, 25487), (559, 25460), (570, 25445), (579, 25427), (665, 25289), (678, 25241), (685, 25211), (687, 25205), (689, 25193), (707, 25154),

Gene: BenchScraper_39 Start: 27267, Stop: 26128, Start Num: 158

Candidate Starts for BenchScraper_39:
(Start: 158 @27267 has 315 MA's), (Start: 189 @27216 has 14 MA's), (282, 27048), (290, 27030), (359, 26898), (403, 26820), (406, 26808), (408, 26802), (439, 26733), (443, 26724), (467, 26664), (511, 26574), (555, 26469), (571, 26448), (585, 26421), (664, 26298), (670, 26274), (673, 26259), (692, 26184), (706, 26154),

Gene: BenchScraper_36 Start: 24587, Stop: 25504, Start Num: 256
Candidate Starts for BenchScraper_36:
(196, 24458), (200, 24464), (Start: 256 @24587 has 84 MA's), (325, 24743), (333, 24758), (340, 24770), (417, 24917), (447, 24965), (476, 25010), (486, 25034), (491, 25040), (511, 25073), (537, 25124), (609, 25250), (623, 25277), (673, 25370), (707, 25475),

Gene: Bhageatrice_40 Start: 29135, Stop: 27957, Start Num: 158
Candidate Starts for Bhageatrice_40:
(130, 29174), (Start: 158 @29135 has 315 MA's), (226, 29018), (290, 28898), (359, 28766), (403, 28688), (439, 28601), (443, 28592), (467, 28532), (511, 28442), (555, 28337), (559, 28331), (585, 28289), (664, 28172), (670, 28148), (673, 28133), (712, 28013),

Gene: Bialota_37 Start: 31315, Stop: 32397, Start Num: 155
Candidate Starts for Bialota_37:
(Start: 83 @31204 has 6 MA's), (Start: 155 @31315 has 58 MA's), (Start: 189 @31369 has 14 MA's), (258, 31489), (401, 31744), (412, 31774), (440, 31834), (467, 31900), (477, 31924), (670, 32254), (676, 32281), (710, 32386),

Gene: BiancaTri92_35 Start: 27662, Stop: 26547, Start Num: 154
Candidate Starts for BiancaTri92_35:
(130, 27692), (Start: 154 @27662 has 8 MA's), (Start: 189 @27611 has 14 MA's), (Start: 222 @27542 has 6 MA's), (242, 27497), (322, 27341), (323, 27338), (334, 27314), (356, 27278), (403, 27221), (439, 27143), (463, 27080), (510, 26990), (517, 26978), (548, 26903), (549, 26897), (559, 26876), (570, 26861), (579, 26843), (678, 26657), (685, 26627), (687, 26621), (689, 26609), (707, 26570),

Gene: BigPhil_38 Start: 27903, Stop: 29021, Start Num: 158
Candidate Starts for BigPhil_38:
(Start: 158 @27903 has 315 MA's), (Start: 252 @28074 has 15 MA's), (329, 28239), (352, 28275), (359, 28284), (403, 28365), (412, 28389), (441, 28458), (457, 28497), (463, 28515), (465, 28518), (471, 28530), (473, 28533), (477, 28545), (483, 28560), (495, 28584), (499, 28590), (514, 28611), (533, 28647), (535, 28650), (548, 28686), (549, 28692), (553, 28704), (555, 28707), (566, 28722), (619, 28791), (629, 28806), (664, 28848), (674, 28893), (677, 28902), (687, 28941), (690, 28959), (703, 28980), (707, 28995), (710, 29004), (712, 29007),

Gene: BigSherm_35 Start: 26331, Stop: 27293, Start Num: 236
Candidate Starts for BigSherm_35:
(Start: 236 @26331 has 1 MA's), (Start: 256 @26373 has 84 MA's), (325, 26529), (334, 26547), (340, 26559), (352, 26583), (417, 26706), (421, 26715), (447, 26754), (450, 26760), (481, 26814), (486, 26823), (491, 26829), (511, 26862), (521, 26886), (531, 26904), (539, 26916), (550, 26955), (667, 27135), (673, 27159), (677, 27174), (679, 27180), (706, 27261), (707, 27264),

Gene: Bigflo_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for Bigflo_36:
(Start: 150 @26789 has 120 MA's), (Start: 179 @26750 has 10 MA's), (203, 26702), (Start: 222 @26666 has 6 MA's), (242, 26621), (322, 26465), (334, 26438), (356, 26402), (403, 26345), (439, 26267), (450, 26243), (463, 26204), (497, 26132), (505, 26120), (510, 26114), (517, 26102), (548, 26027), (549, 26021), (559, 26000), (570, 25985), (579, 25967), (598, 25943), (665, 25829), (677,

25784), (678, 25781), (681, 25772), (685, 25751), (687, 25745), (689, 25733), (707, 25694),

Gene: Biglebops_36 Start: 31976, Stop: 33070, Start Num: 158
Candidate Starts for Biglebops_36:
(26, 31625), (Start: 29 @31640 has 1 MA's), (45, 31733), (50, 31754), (78, 31847), (Start: 158 @31976 has 315 MA's), (Start: 189 @32027 has 14 MA's), (234, 32102), (Start: 252 @32138 has 15 MA's), (299, 32234), (308, 32252), (322, 32276), (349, 32324), (352, 32330), (426, 32462), (439, 32495), (457, 32540), (510, 32648), (553, 32753), (606, 32813), (661, 32888), (688, 32996), (704, 33032),

Gene: BillyTP_42 Start: 29080, Stop: 27908, Start Num: 158
Candidate Starts for BillyTP_42:
(Start: 158 @29080 has 315 MA's), (226, 28963), (282, 28861), (290, 28843), (359, 28711), (403, 28633), (406, 28621), (439, 28546), (443, 28537), (467, 28477), (511, 28387), (555, 28282), (571, 28261), (583, 28237), (585, 28234), (628, 28165), (664, 28111), (670, 28087), (673, 28072), (712, 27952), (725, 27925),

Gene: BillyTP_37 Start: 25308, Stop: 26225, Start Num: 256
Candidate Starts for BillyTP_37:
(196, 25179), (200, 25185), (Start: 256 @25308 has 84 MA's), (325, 25464), (333, 25479), (340, 25491), (417, 25638), (421, 25647), (447, 25686), (476, 25731), (486, 25755), (491, 25761), (511, 25794), (531, 25836), (537, 25845), (550, 25887), (609, 25971), (673, 26091), (677, 26106),

Gene: Bipolar_39 Start: 31381, Stop: 32499, Start Num: 158
Candidate Starts for Bipolar_39:
(Start: 158 @31381 has 315 MA's), (235, 31519), (Start: 252 @31552 has 15 MA's), (278, 31600), (329, 31717), (352, 31753), (359, 31762), (412, 31867), (441, 31936), (457, 31975), (465, 31996), (471, 32008), (473, 32011), (477, 32023), (483, 32038), (495, 32062), (499, 32068), (514, 32089), (533, 32125), (535, 32128), (548, 32164), (549, 32170), (555, 32185), (619, 32269), (629, 32284), (650, 32302), (664, 32326), (674, 32371), (677, 32380), (687, 32419), (690, 32437), (703, 32458), (707, 32473), (710, 32482), (712, 32485),

Gene: Birdsong_47 Start: 32758, Stop: 33852, Start Num: 158
Candidate Starts for Birdsong_47:
(59, 32578), (73, 32617), (Start: 158 @32758 has 315 MA's), (Start: 189 @32809 has 14 MA's), (235, 32887), (249, 32914), (278, 32959), (294, 33001), (329, 33073), (352, 33109), (359, 33118), (401, 33178), (406, 33193), (413, 33211), (457, 33310), (465, 33331), (471, 33343), (473, 33346), (477, 33358), (488, 33382), (535, 33460), (582, 33553), (631, 33625), (670, 33685), (685, 33748), (688, 33760), (712, 33820),

Gene: Bjanes7_34 Start: 27585, Stop: 28778, Start Num: 83
Candidate Starts for Bjanes7_34:
(Start: 81 @27579 has 2 MA's), (Start: 83 @27585 has 6 MA's), (Start: 155 @27696 has 58 MA's), (Start: 189 @27750 has 14 MA's), (258, 27870), (401, 28125), (412, 28155), (440, 28215), (467, 28281), (477, 28305), (516, 28374), (533, 28410), (670, 28635), (676, 28662), (710, 28767),

Gene: BlackSpider_31 Start: 24033, Stop: 24953, Start Num: 256
Candidate Starts for BlackSpider_31:
(100, 23742), (106, 23754), (Start: 152 @23820 has 2 MA's), (199, 23910), (Start: 256 @24033 has 84 MA's), (303, 24147), (330, 24198), (334, 24207), (340, 24219), (382, 24276), (417, 24366), (447, 24414), (486, 24483), (491, 24489), (494, 24498), (511, 24522), (521, 24546), (620, 24720), (673, 24819), (674, 24825), (677, 24834), (679, 24840),

Gene: BlackSpider_36 Start: 26664, Stop: 27788, Start Num: 158

Candidate Starts for BlackSpider_36:
(51, 26439), (56, 26475), (Start: 158 @26664 has 315 MA's), (263, 26850), (359, 27027), (403, 27090), (406, 27102), (440, 27180), (446, 27192), (466, 27243), (502, 27324), (511, 27336), (525, 27363), (548, 27417), (669, 27627), (670, 27630), (673, 27645), (684, 27690), (692, 27720), (706, 27750),

Gene: Blarby_54 Start: 32907, Stop: 34010, Start Num: 158
Candidate Starts for Blarby_54:
(Start: 158 @32907 has 315 MA's), (Start: 189 @32955 has 14 MA's), (235, 33036), (246, 33063), (352, 33276), (371, 33300), (403, 33348), (439, 33429), (467, 33498), (471, 33507), (495, 33561), (510, 33582), (545, 33660), (549, 33675), (597, 33735), (619, 33774), (629, 33789), (648, 33813), (664, 33840), (670, 33864), (674, 33885), (677, 33894), (688, 33939), (690, 33951),

Gene: BlingBling_33 Start: 29081, Stop: 30001, Start Num: 256
Candidate Starts for BlingBling_33:
(Start: 252 @29075 has 15 MA's), (Start: 256 @29081 has 84 MA's), (308, 29198), (309, 29201), (342, 29264), (346, 29270), (347, 29276), (450, 29462), (481, 29516), (482, 29519), (486, 29525), (498, 29546), (548, 29645), (549, 29651), (553, 29663), (609, 29738), (623, 29765), (650, 29801), (677, 29876),

Gene: Blizzard_41 Start: 32792, Stop: 33880, Start Num: 158
Candidate Starts for Blizzard_41:
(Start: 158 @32792 has 315 MA's), (Start: 222 @32894 has 6 MA's), (234, 32918), (Start: 252 @32954 has 15 MA's), (322, 33092), (406, 33230), (439, 33299), (440, 33302), (510, 33452), (553, 33557), (661, 33692),

Gene: BloominB_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for BloominB_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: BlueBird_34 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for BlueBird_34:
(Start: 150 @26297 has 120 MA's), (203, 26210), (Start: 222 @26174 has 6 MA's), (242, 26129), (322, 25973), (326, 25961), (329, 25955), (356, 25910), (401, 25856), (403, 25853), (439, 25775), (510, 25622), (517, 25610), (535, 25571), (548, 25535), (549, 25529), (559, 25508), (570, 25493), (579, 25475), (600, 25448), (665, 25337), (678, 25289), (685, 25259), (687, 25253), (689, 25241), (707, 25202),

Gene: BlueShadow_39 Start: 27645, Stop: 26479, Start Num: 158
Candidate Starts for BlueShadow_39:
(Start: 158 @27645 has 315 MA's), (282, 27426), (290, 27408), (359, 27276), (403, 27198), (406, 27186), (439, 27111), (443, 27102), (467, 27042), (511, 26952), (555, 26847), (571, 26826), (583, 26802), (585, 26799), (664, 26676), (669, 26655), (670, 26652), (673, 26637), (725, 26490),

Gene: BlueShadow_36 Start: 24572, Stop: 25489, Start Num: 256
Candidate Starts for BlueShadow_36:
(196, 24443), (200, 24449), (Start: 256 @24572 has 84 MA's), (325, 24728), (333, 24743), (340, 24755), (417, 24902), (447, 24950), (476, 24995), (481, 25010), (486, 25019), (491, 25025), (511,

25058), (531, 25100), (537, 25109), (550, 25151), (609, 25235), (673, 25355), (677, 25370), (707, 25460),

Gene: Bluvara_37 Start: 31878, Stop: 30676, Start Num: 175
Candidate Starts for Bluvara_37:
(Start: 175 @31878 has 7 MA's), (212, 31803), (224, 31773), (238, 31749), (321, 31557), (322, 31554), (359, 31491), (413, 31356), (422, 31335), (450, 31281), (452, 31275), (510, 31152), (604, 30969), (605, 30966), (607, 30963), (617, 30942), (640, 30906), (660, 30879), (662, 30873), (670, 30840), (673, 30825), (689, 30759), (698, 30738),

Gene: BobaPhett_43 Start: 33216, Stop: 34334, Start Num: 158
Candidate Starts for BobaPhett_43:
(Start: 158 @33216 has 315 MA's), (235, 33354), (Start: 252 @33387 has 15 MA's), (278, 33435), (329, 33552), (352, 33588), (359, 33597), (412, 33702), (441, 33771), (465, 33831), (471, 33843), (473, 33846), (477, 33858), (483, 33873), (495, 33897), (499, 33903), (514, 33924), (533, 33960), (535, 33963), (548, 33999), (549, 34005), (553, 34017), (555, 34020), (619, 34104), (629, 34119), (664, 34161), (674, 34206), (677, 34215), (687, 34254), (690, 34272), (703, 34293), (707, 34308), (710, 34317), (712, 34320),

Gene: Bobby_80 Start: 53134, Stop: 54363, Start Num: 136
Candidate Starts for Bobby_80:
(Start: 136 @53134 has 29 MA's), (Start: 148 @53152 has 1 MA's), (Start: 170 @53191 has 1 MA's), (282, 53428), (329, 53536), (395, 53656), (396, 53659), (401, 53668), (406, 53683), (458, 53800), (520, 53917), (529, 53920), (533, 53929), (551, 53980), (553, 53983), (566, 54001), (617, 54097), (684, 54274), (685, 54277), (690, 54301), (704, 54325), (705, 54328),

Gene: Bobi_46 Start: 33890, Stop: 35017, Start Num: 158
Candidate Starts for Bobi_46:
(85, 33788), (123, 33845), (Start: 158 @33890 has 315 MA's), (Start: 163 @33899 has 3 MA's), (Start: 252 @34061 has 15 MA's), (276, 34112), (282, 34130), (299, 34175), (352, 34271), (359, 34280), (412, 34385), (441, 34454), (465, 34514), (471, 34526), (473, 34529), (477, 34541), (483, 34556), (495, 34580), (499, 34586), (514, 34607), (533, 34643), (535, 34646), (548, 34682), (549, 34688), (553, 34700), (555, 34703), (619, 34787), (629, 34802), (664, 34844), (674, 34889), (677, 34898), (687, 34937), (690, 34955), (703, 34976), (707, 34991), (710, 35000), (712, 35003),

Gene: Boiiii_41 Start: 32794, Stop: 33882, Start Num: 158
Candidate Starts for Boiiii_41:
(Start: 158 @32794 has 315 MA's), (Start: 222 @32896 has 6 MA's), (234, 32920), (Start: 252 @32956 has 15 MA's), (322, 33094), (406, 33232), (439, 33301), (440, 33304), (510, 33454), (553, 33559), (661, 33694),

Gene: Bombitas_71 Start: 50226, Stop: 51455, Start Num: 136
Candidate Starts for Bombitas_71:
(Start: 136 @50226 has 29 MA's), (Start: 148 @50244 has 1 MA's), (Start: 170 @50283 has 1 MA's), (282, 50520), (329, 50628), (395, 50748), (396, 50751), (401, 50760), (406, 50775), (422, 50814), (458, 50892), (514, 50997), (520, 51009), (529, 51012), (533, 51021), (551, 51072), (553, 51075), (566, 51093), (617, 51189), (652, 51246), (684, 51366), (685, 51369), (690, 51393), (704, 51417), (705, 51420),

Gene: BoostSeason_44 Start: 34144, Stop: 35244, Start Num: 158
Candidate Starts for BoostSeason_44:
(Start: 158 @34144 has 315 MA's), (167, 34162), (Start: 189 @34195 has 14 MA's), (234, 34270), (Start: 252 @34306 has 15 MA's), (308, 34420), (322, 34444), (352, 34498), (429, 34639), (439,

34663), (440, 34666), (457, 34708), (510, 34816), (553, 34921), (594, 34966), (606, 34981), (688, 35173),

Gene: Bosnia_39 Start: 32012, Stop: 33094, Start Num: 155
Candidate Starts for Bosnia_39:
(Start: 83 @31901 has 6 MA's), (Start: 155 @32012 has 58 MA's), (Start: 189 @32066 has 14 MA's), (258, 32186), (309, 32297), (396, 32432), (440, 32531), (467, 32597), (477, 32621), (533, 32726), (670, 32951), (676, 32978), (688, 33026), (710, 33083),

Gene: BotCity_49 Start: 32558, Stop: 33655, Start Num: 158
Candidate Starts for BotCity_49:
(Start: 158 @32558 has 315 MA's), (Start: 189 @32609 has 14 MA's), (221, 32657), (235, 32687), (249, 32714), (294, 32801), (326, 32867), (329, 32873), (352, 32909), (359, 32918), (401, 32978), (406, 32993), (413, 33011), (427, 33038), (457, 33110), (471, 33143), (473, 33146), (477, 33158), (488, 33182), (561, 33326), (631, 33425), (670, 33485), (676, 33512), (688, 33560), (690, 33572), (712, 33620),

Gene: Bowser_37 Start: 29401, Stop: 30318, Start Num: 256
Candidate Starts for Bowser_37:
(Start: 252 @29395 has 15 MA's), (Start: 256 @29401 has 84 MA's), (Start: 271 @29425 has 1 MA's), (309, 29521), (346, 29590), (347, 29596), (406, 29698), (413, 29719), (450, 29782), (481, 29836), (486, 29845), (498, 29866), (504, 29875), (519, 29905), (594, 30037), (609, 30058), (621, 30082), (623, 30085), (650, 30121), (664, 30142),

Gene: BoyNamedSue_39 Start: 31289, Stop: 32371, Start Num: 155
Candidate Starts for BoyNamedSue_39:
(Start: 83 @31178 has 6 MA's), (Start: 155 @31289 has 58 MA's), (Start: 189 @31343 has 14 MA's), (258, 31463), (412, 31748), (440, 31808), (467, 31874), (477, 31898), (670, 32228), (688, 32303), (710, 32360),

Gene: Bradissa_36 Start: 31469, Stop: 32551, Start Num: 155
Candidate Starts for Bradissa_36:
(Start: 155 @31469 has 58 MA's), (Start: 228 @31586 has 1 MA's), (278, 31679), (401, 31901), (415, 31937), (440, 31991), (469, 32060), (473, 32069), (670, 32408), (676, 32435), (710, 32540),

Gene: Bradissa_35 Start: 30283, Stop: 31200, Start Num: 256
Candidate Starts for Bradissa_35:
(Start: 252 @30277 has 15 MA's), (Start: 256 @30283 has 84 MA's), (Start: 271 @30307 has 1 MA's), (309, 30403), (347, 30478), (395, 30550), (413, 30601), (450, 30664), (481, 30718), (486, 30727), (498, 30748), (504, 30757), (519, 30787), (549, 30853), (594, 30919), (609, 30940), (623, 30967), (650, 31003),

Gene: Bradman_34 Start: 25599, Stop: 24475, Start Num: 150
Candidate Starts for Bradman_34:
(Start: 150 @25599 has 120 MA's), (199, 25521), (Start: 222 @25476 has 6 MA's), (242, 25431), (279, 25371), (334, 25248), (356, 25212), (401, 25158), (403, 25155), (457, 25032), (458, 25029), (463, 25014), (505, 24930), (510, 24924), (526, 24891), (533, 24876), (548, 24837), (559, 24810), (570, 24795), (579, 24777), (600, 24750), (665, 24639), (678, 24591), (679, 24588), (681, 24582), (685, 24561), (687, 24555), (689, 24543), (707, 24504),

Gene: Bran_28 Start: 25552, Stop: 24428, Start Num: 163
Candidate Starts for Bran_28:

(Start: 163 @25552 has 3 MA's), (174, 25537), (Start: 192 @25513 has 2 MA's), (Start: 247 @25399 has 1 MA's), (265, 25360), (286, 25318), (297, 25285), (299, 25276), (316, 25249), (324, 25231), (387, 25132), (395, 25111), (405, 25087), (434, 25027), (461, 24985), (465, 24973), (469, 24967), (477, 24946), (507, 24892), (509, 24889), (511, 24886), (519, 24865), (553, 24781), (560, 24775), (575, 24757), (591, 24727), (635, 24670), (670, 24613), (673, 24598), (674, 24592), (677, 24583), (680, 24574), (681, 24571), (685, 24550), (687, 24544), (690, 24526), (704, 24502), (711, 24481), (713, 24478), (715, 24469),

Gene: BrayBeast_32 Start: 24672, Stop: 23518, Start Num: 158
Candidate Starts for BrayBeast_32:
(Start: 158 @24672 has 315 MA's), (191, 24618), (308, 24369), (329, 24324), (341, 24303), (343, 24300), (360, 24276), (406, 24177), (412, 24162), (451, 24078), (523, 23919), (548, 23865), (557, 23841), (569, 23823), (583, 23796), (606, 23769), (619, 23742), (626, 23727), (633, 23718), (673, 23634), (674, 23628), (677, 23619), (688, 23574), (701, 23544),

Gene: BreSam8_36 Start: 26783, Stop: 25638, Start Num: 150
Candidate Starts for BreSam8_36:
(Start: 150 @26783 has 120 MA's), (Start: 179 @26744 has 10 MA's), (203, 26696), (Start: 222 @26660 has 6 MA's), (242, 26615), (322, 26459), (334, 26432), (356, 26396), (403, 26339), (439, 26261), (450, 26237), (463, 26198), (497, 26126), (505, 26114), (510, 26108), (517, 26096), (548, 26021), (549, 26015), (559, 25994), (570, 25979), (579, 25961), (598, 25937), (665, 25823), (677, 25778), (678, 25775), (681, 25766), (685, 25745), (687, 25739), (689, 25727), (707, 25688),

Gene: Bridgette_38 Start: 26661, Stop: 27803, Start Num: 158
Candidate Starts for Bridgette_38:
(147, 26646), (Start: 153 @26655 has 2 MA's), (Start: 158 @26661 has 315 MA's), (349, 27015), (352, 27021), (365, 27039), (412, 27147), (439, 27207), (477, 27300), (535, 27420), (550, 27468), (569, 27498), (626, 27594), (677, 27702), (701, 27777),

Gene: Bridgette_34 Start: 24627, Stop: 25547, Start Num: 256
Candidate Starts for Bridgette_34:
(196, 24498), (200, 24504), (Start: 256 @24627 has 84 MA's), (325, 24783), (334, 24801), (340, 24813), (417, 24960), (421, 24969), (447, 25008), (486, 25077), (491, 25083), (511, 25116), (531, 25158), (539, 25170), (667, 25389), (673, 25413), (677, 25428), (679, 25434), (706, 25515), (707, 25518),

Gene: Brocalys_36 Start: 27204, Stop: 28322, Start Num: 158
Candidate Starts for Brocalys_36:
(Start: 158 @27204 has 315 MA's), (Start: 163 @27213 has 3 MA's), (Start: 252 @27375 has 15 MA's), (329, 27540), (352, 27576), (359, 27585), (403, 27666), (412, 27690), (441, 27759), (457, 27798), (463, 27816), (465, 27819), (471, 27831), (473, 27834), (477, 27846), (483, 27861), (495, 27885), (499, 27891), (514, 27912), (533, 27948), (535, 27951), (548, 27987), (549, 27993), (555, 28008), (566, 28023), (619, 28092), (629, 28107), (664, 28149), (674, 28194), (677, 28203), (687, 28242), (690, 28260), (703, 28281), (707, 28296), (710, 28305), (712, 28308),

Gene: BronnyJames_80 Start: 48466, Stop: 49740, Start Num: 114
Candidate Starts for BronnyJames_80:
(82, 48409), (Start: 102 @48451 has 2 MA's), (Start: 114 @48466 has 10 MA's), (117, 48469), (Start: 148 @48514 has 1 MA's), (Start: 170 @48553 has 1 MA's), (356, 48934), (395, 49018), (401, 49030), (403, 49033), (458, 49162), (529, 49282), (553, 49345), (566, 49363), (576, 49387), (617, 49459), (684, 49636), (685, 49639), (687, 49645), (690, 49663), (699, 49678), (704, 49687), (705, 49690), (726, 49735),

Gene: Brookers_39 Start: 30854, Stop: 31972, Start Num: 158
Candidate Starts for Brookers_39:
(Start: 158 @30854 has 315 MA's), (Start: 252 @31025 has 15 MA's), (329, 31190), (352, 31226), (359, 31235), (403, 31316), (412, 31340), (441, 31409), (457, 31448), (463, 31466), (465, 31469), (471, 31481), (473, 31484), (477, 31496), (483, 31511), (495, 31535), (499, 31541), (514, 31562), (533, 31598), (535, 31601), (548, 31637), (549, 31643), (553, 31655), (555, 31658), (566, 31673), (619, 31742), (629, 31757), (664, 31799), (674, 31844), (677, 31853), (687, 31892), (690, 31910), (703, 31931), (707, 31946), (710, 31955), (712, 31958),

Gene: Brushbloom_46 Start: 32847, Stop: 33965, Start Num: 158
Candidate Starts for Brushbloom_46:
(Start: 158 @32847 has 315 MA's), (Start: 163 @32856 has 3 MA's), (235, 32985), (Start: 252 @33018 has 15 MA's), (278, 33066), (329, 33183), (352, 33219), (359, 33228), (412, 33333), (441, 33402), (465, 33462), (471, 33474), (473, 33477), (477, 33489), (483, 33504), (495, 33528), (499, 33534), (514, 33555), (533, 33591), (535, 33594), (548, 33630), (549, 33636), (553, 33648), (555, 33651), (619, 33735), (629, 33750), (664, 33792), (674, 33837), (677, 33846), (687, 33885), (690, 33903), (703, 33924), (707, 33939), (710, 33948), (712, 33951),

Gene: Budski_49 Start: 33439, Stop: 34533, Start Num: 158
Candidate Starts for Budski_49:
(119, 33394), (Start: 158 @33439 has 315 MA's), (Start: 189 @33490 has 14 MA's), (249, 33595), (278, 33640), (294, 33682), (352, 33790), (359, 33799), (396, 33850), (406, 33874), (413, 33892), (457, 33991), (471, 34024), (473, 34027), (477, 34039), (488, 34063), (559, 34204), (582, 34234), (631, 34306), (640, 34315), (670, 34366), (671, 34369), (677, 34396), (681, 34408), (712, 34501),

Gene: Bugatti_33 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for Bugatti_33:
(Start: 150 @26297 has 120 MA's), (203, 26210), (Start: 222 @26174 has 6 MA's), (242, 26129), (322, 25973), (326, 25961), (329, 25955), (356, 25910), (401, 25856), (403, 25853), (439, 25775), (510, 25622), (517, 25610), (535, 25571), (548, 25535), (549, 25529), (559, 25508), (570, 25493), (579, 25475), (600, 25448), (665, 25337), (678, 25289), (685, 25259), (687, 25253), (689, 25241), (707, 25202),

Gene: Bugsy_36 Start: 26995, Stop: 25874, Start Num: 150
Candidate Starts for Bugsy_36:
(Start: 101 @27058 has 2 MA's), (Start: 150 @26995 has 120 MA's), (Start: 189 @26941 has 14 MA's), (Start: 222 @26872 has 6 MA's), (242, 26827), (305, 26701), (334, 26644), (356, 26608), (401, 26554), (403, 26551), (457, 26428), (463, 26410), (510, 26320), (517, 26308), (548, 26233), (549, 26227), (559, 26206), (570, 26191), (579, 26173), (678, 25987), (685, 25957), (687, 25951), (689, 25939), (707, 25900),

Gene: Bunker_34 Start: 28706, Stop: 29623, Start Num: 256
Candidate Starts for Bunker_34:
(Start: 252 @28700 has 15 MA's), (Start: 256 @28706 has 84 MA's), (346, 28895), (347, 28901), (406, 29003), (450, 29087), (482, 29144), (486, 29150), (491, 29156), (498, 29171), (549, 29276), (553, 29288), (609, 29363), (623, 29390),

Gene: Bunnybear_33 Start: 29696, Stop: 30778, Start Num: 155
Candidate Starts for Bunnybear_33:
(Start: 83 @29585 has 6 MA's), (Start: 155 @29696 has 58 MA's), (Start: 189 @29750 has 14 MA's), (258, 29870), (412, 30155), (440, 30215), (467, 30281), (477, 30305), (533, 30410), (670, 30635), (676, 30662), (710, 30767),

Gene: Bunnybear_32 Start: 28492, Stop: 29415, Start Num: 252
Candidate Starts for Bunnybear_32:
(Start: 252 @28492 has 15 MA's), (Start: 256 @28498 has 84 MA's), (Start: 271 @28522 has 1 MA's), (309, 28618), (346, 28687), (347, 28693), (406, 28795), (413, 28816), (450, 28879), (481, 28933), (486, 28942), (498, 28963), (504, 28972), (519, 29002), (549, 29068), (564, 29092), (594, 29134), (609, 29155), (623, 29182), (650, 29218), (660, 29224),

Gene: Byougenkin_40 Start: 32001, Stop: 33119, Start Num: 158
Candidate Starts for Byougenkin_40:
(Start: 158 @32001 has 315 MA's), (235, 32139), (Start: 252 @32172 has 15 MA's), (278, 32220), (352, 32373), (359, 32382), (403, 32463), (441, 32556), (465, 32616), (471, 32628), (473, 32631), (495, 32682), (514, 32709), (533, 32745), (535, 32748), (548, 32784), (619, 32889), (629, 32904), (664, 32946), (674, 32991), (677, 33000), (687, 33039), (690, 33057), (703, 33078), (707, 33093), (710, 33102), (712, 33105),

Gene: C3_31 Start: 26345, Stop: 25275, Start Num: 189
Candidate Starts for C3_31:
(107, 26453), (Start: 150 @26399 has 120 MA's), (Start: 189 @26345 has 14 MA's), (Start: 222 @26276 has 6 MA's), (322, 26075), (334, 26048), (356, 26012), (401, 25958), (403, 25955), (412, 25928), (439, 25877), (454, 25844), (457, 25832), (463, 25814), (497, 25742), (510, 25724), (517, 25712), (535, 25673), (548, 25637), (549, 25631), (559, 25610), (570, 25595), (579, 25577), (600, 25550), (665, 25439), (678, 25391), (679, 25388), (685, 25361), (687, 25355), (689, 25343), (707, 25304),

Gene: CREW_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for CREW_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: CallaLilly_41 Start: 32518, Stop: 33606, Start Num: 158
Candidate Starts for CallaLilly_41:
(14, 31915), (22, 32092), (41, 32257), (50, 32296), (Start: 158 @32518 has 315 MA's), (Start: 189 @32569 has 14 MA's), (Start: 222 @32620 has 6 MA's), (234, 32644), (Start: 252 @32680 has 15 MA's), (322, 32818), (406, 32956), (439, 33025), (440, 33028), (510, 33178), (553, 33283), (661, 33418),

Gene: Calvinny_36 Start: 26589, Stop: 25498, Start Num: 189
Candidate Starts for Calvinny_36:
(Start: 101 @26706 has 2 MA's), (Start: 150 @26643 has 120 MA's), (Start: 189 @26589 has 14 MA's), (Start: 222 @26520 has 6 MA's), (329, 26301), (334, 26292), (356, 26256), (403, 26199), (439, 26121), (454, 26088), (497, 25986), (510, 25968), (517, 25956), (548, 25881), (549, 25875), (559, 25854), (570, 25839), (579, 25821), (598, 25797), (677, 25638), (678, 25635), (685, 25605), (687, 25599), (689, 25587), (707, 25548),

Gene: Capricorn_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Capricorn_41:
(12, 31974), (14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: CaptainTrips_41 Start: 32330, Stop: 33448, Start Num: 158
Candidate Starts for CaptainTrips_41:
(Start: 158 @32330 has 315 MA's), (Start: 163 @32339 has 3 MA's), (Start: 252 @32501 has 15 MA's), (278, 32549), (329, 32666), (352, 32702), (359, 32711), (412, 32816), (441, 32885), (457, 32924), (463, 32942), (465, 32945), (471, 32957), (473, 32960), (477, 32972), (495, 33011), (499, 33017), (514, 33038), (533, 33074), (535, 33077), (548, 33113), (549, 33119), (553, 33131), (555, 33134), (566, 33149), (619, 33218), (629, 33233), (650, 33251), (664, 33275), (674, 33320), (677, 33329), (687, 33368), (690, 33386), (703, 33407), (707, 33422), (710, 33431), (712, 33434),

Gene: Caraxes_33 Start: 24997, Stop: 23882, Start Num: 155
Candidate Starts for Caraxes_33:
(Start: 155 @24997 has 58 MA's), (Start: 189 @24949 has 14 MA's), (203, 24916), (Start: 222 @24880 has 6 MA's), (242, 24835), (326, 24667), (334, 24652), (356, 24616), (395, 24574), (401, 24562), (403, 24559), (443, 24472), (450, 24457), (510, 24328), (517, 24316), (526, 24295), (535, 24277), (548, 24241), (559, 24214), (570, 24199), (579, 24181), (600, 24154), (665, 24043), (678, 23995), (685, 23965), (687, 23959), (689, 23947), (707, 23908),

Gene: CaseJules_42 Start: 32792, Stop: 33880, Start Num: 158
Candidate Starts for CaseJules_42:
(Start: 158 @32792 has 315 MA's), (Start: 222 @32894 has 6 MA's), (234, 32918), (Start: 252 @32954 has 15 MA's), (322, 33092), (406, 33230), (439, 33299), (440, 33302), (510, 33452), (553, 33557), (661, 33692),

Gene: Cashline_38 Start: 32110, Stop: 33216, Start Num: 158
Candidate Starts for Cashline_38:
(Start: 114 @32053 has 10 MA's), (Start: 158 @32110 has 315 MA's), (Start: 189 @32161 has 14 MA's), (249, 32266), (276, 32305), (406, 32545), (439, 32614), (440, 32617), (443, 32623), (454, 32647), (473, 32698), (477, 32710), (597, 32938), (638, 32998), (670, 33073), (677, 33103), (710, 33205),

Gene: Cassini_31 Start: 25264, Stop: 24098, Start Num: 158
Candidate Starts for Cassini_31:
(Start: 158 @25264 has 315 MA's), (248, 25099), (282, 25045), (290, 25027), (345, 24913), (359, 24895), (403, 24817), (406, 24805), (439, 24730), (443, 24721), (467, 24661), (511, 24571), (553, 24469), (559, 24460), (571, 24445), (583, 24421), (585, 24418), (664, 24301), (670, 24277), (673, 24262), (690, 24190), (712, 24142), (725, 24115),

Gene: Cassini_27 Start: 21975, Stop: 22931, Start Num: 236
Candidate Starts for Cassini_27:
(Start: 236 @21975 has 1 MA's), (Start: 256 @22014 has 84 MA's), (306, 22134), (325, 22170), (333, 22185), (340, 22197), (417, 22344), (447, 22392), (476, 22437), (481, 22452), (486, 22461), (491, 22467), (511, 22500), (531, 22542), (537, 22551), (539, 22554), (553, 22599), (609, 22677), (673, 22797), (677, 22812), (707, 22902),

Gene: Catfish_37 Start: 28481, Stop: 27369, Start Num: 197
Candidate Starts for Catfish_37:
(Start: 197 @28481 has 12 MA's), (215, 28439), (277, 28313), (388, 28112), (410, 28055), (422, 28028), (465, 27932), (479, 27899), (483, 27890), (544, 27782), (605, 27653), (677, 27467), (687, 27428), (704, 27389),

Gene: Centaur_35 Start: 26808, Stop: 25675, Start Num: 150
Candidate Starts for Centaur_35:

(Start: 150 @26808 has 120 MA's), (Start: 189 @26754 has 14 MA's), (Start: 222 @26685 has 6 MA's), (242, 26640), (322, 26484), (334, 26457), (356, 26421), (403, 26364), (457, 26241), (463, 26223), (510, 26133), (517, 26121), (548, 26046), (549, 26040), (559, 26019), (570, 26004), (579, 25986), (600, 25959), (606, 25950), (665, 25848), (678, 25800), (685, 25770), (687, 25764), (689, 25752), (707, 25713),

Gene: Cerasum_38 Start: 27921, Stop: 29039, Start Num: 158
Candidate Starts for Cerasum_38:
(Start: 158 @27921 has 315 MA's), (Start: 252 @28092 has 15 MA's), (329, 28257), (352, 28293), (359, 28302), (403, 28383), (412, 28407), (441, 28476), (457, 28515), (463, 28533), (465, 28536), (471, 28548), (473, 28551), (477, 28563), (483, 28578), (495, 28602), (499, 28608), (514, 28629), (533, 28665), (535, 28668), (548, 28704), (549, 28710), (553, 28722), (555, 28725), (566, 28740), (619, 28809), (629, 28824), (664, 28866), (674, 28911), (677, 28920), (687, 28959), (690, 28977), (703, 28998), (707, 29013), (710, 29022), (712, 29025),

Gene: Cerulean_34 Start: 26519, Stop: 25467, Start Num: 194
Candidate Starts for Cerulean_34:
(Start: 113 @26633 has 3 MA's), (135, 26606), (Start: 150 @26588 has 120 MA's), (Start: 194 @26519 has 8 MA's), (Start: 222 @26465 has 6 MA's), (329, 26246), (334, 26237), (356, 26201), (395, 26159), (401, 26147), (403, 26144), (497, 25931), (510, 25913), (548, 25826), (549, 25820), (559, 25799), (570, 25784), (579, 25766), (665, 25628), (678, 25580), (685, 25550), (687, 25544), (689, 25532), (707, 25493),

Gene: ChampagnePapi_34 Start: 26518, Stop: 25466, Start Num: 194
Candidate Starts for ChampagnePapi_34:
(135, 26605), (Start: 150 @26587 has 120 MA's), (Start: 194 @26518 has 8 MA's), (Start: 222 @26464 has 6 MA's), (329, 26245), (334, 26236), (356, 26200), (395, 26158), (401, 26146), (403, 26143), (497, 25930), (510, 25912), (548, 25825), (549, 25819), (559, 25798), (570, 25783), (579, 25765), (665, 25627), (678, 25579), (685, 25549), (687, 25543), (689, 25531), (707, 25492),

Gene: Chavito_44 Start: 33649, Stop: 34740, Start Num: 158
Candidate Starts for Chavito_44:
(31, 33316), (46, 33415), (49, 33424), (54, 33451), (70, 33499), (Start: 158 @33649 has 315 MA's), (Start: 189 @33700 has 14 MA's), (234, 33775), (Start: 252 @33811 has 15 MA's), (308, 33925), (322, 33949), (352, 34003), (406, 34087), (419, 34120), (439, 34156), (440, 34159), (457, 34201), (495, 34288), (510, 34309), (553, 34417), (606, 34477), (651, 34540), (661, 34552), (688, 34660), (704, 34696),

Gene: Che12_36 Start: 25378, Stop: 24263, Start Num: 155
Candidate Starts for Che12_36:
(Start: 155 @25378 has 58 MA's), (203, 25297), (Start: 222 @25261 has 6 MA's), (242, 25216), (289, 25129), (326, 25048), (356, 24997), (395, 24955), (401, 24943), (403, 24940), (439, 24862), (483, 24754), (497, 24727), (510, 24709), (517, 24697), (526, 24676), (548, 24622), (559, 24595), (570, 24580), (579, 24562), (600, 24535), (665, 24424), (678, 24376), (685, 24346), (687, 24340), (689, 24328), (707, 24289),

Gene: Che9c_41 Start: 33550, Stop: 32348, Start Num: 175
Candidate Starts for Che9c_41:
(Start: 175 @33550 has 7 MA's), (211, 33478), (212, 33475), (219, 33457), (224, 33445), (275, 33340), (321, 33229), (322, 33226), (359, 33163), (391, 33082), (413, 33028), (450, 32953), (479, 32878), (510, 32824), (514, 32818), (604, 32641), (605, 32638), (607, 32635), (617, 32614), (640, 32578), (670, 32512), (673, 32497), (689, 32431),

Gene: CheeseTouch_54 Start: 30887, Stop: 31984, Start Num: 158
Candidate Starts for CheeseTouch_54:
(56, 30722), (61, 30731), (129, 30857), (Start: 158 @30887 has 315 MA's), (Start: 189 @30938 has 14 MA's), (235, 31016), (249, 31043), (294, 31130), (326, 31196), (329, 31202), (401, 31307), (403, 31310), (406, 31322), (457, 31439), (465, 31460), (469, 31466), (477, 31487), (514, 31559), (549, 31643), (631, 31766), (667, 31817), (670, 31826), (676, 31853), (712, 31961), (719, 31976),

Gene: Cheesepuff_46 Start: 33297, Stop: 34415, Start Num: 158
Candidate Starts for Cheesepuff_46:
(Start: 158 @33297 has 315 MA's), (Start: 252 @33468 has 15 MA's), (329, 33633), (352, 33669), (359, 33678), (412, 33783), (441, 33852), (457, 33891), (465, 33912), (471, 33924), (473, 33927), (477, 33939), (495, 33978), (499, 33984), (514, 34005), (533, 34041), (535, 34044), (548, 34080), (549, 34086), (555, 34101), (566, 34116), (619, 34185), (629, 34200), (650, 34218), (664, 34242), (674, 34287), (677, 34296), (687, 34335), (690, 34353), (703, 34374), (707, 34389), (710, 34398), (712, 34401),

Gene: CheetoDust_40 Start: 31967, Stop: 33055, Start Num: 158
Candidate Starts for CheetoDust_40:
(50, 31745), (Start: 158 @31967 has 315 MA's), (Start: 189 @32018 has 14 MA's), (Start: 222 @32069 has 6 MA's), (234, 32093), (Start: 252 @32129 has 15 MA's), (322, 32267), (352, 32321), (406, 32405), (439, 32474), (440, 32477), (510, 32627), (553, 32732), (619, 32819), (661, 32867),

Gene: ChipMunk_36 Start: 28148, Stop: 27003, Start Num: 133
Candidate Starts for ChipMunk_36:
(Start: 133 @28148 has 7 MA's), (Start: 146 @28130 has 6 MA's), (Start: 194 @28049 has 8 MA's), (Start: 222 @28001 has 6 MA's), (242, 27956), (322, 27800), (329, 27782), (334, 27773), (356, 27737), (395, 27695), (403, 27680), (406, 27668), (439, 27602), (454, 27569), (457, 27557), (463, 27539), (510, 27449), (517, 27437), (548, 27362), (549, 27356), (559, 27335), (570, 27320), (579, 27302), (600, 27275), (606, 27266), (665, 27164), (678, 27116), (679, 27113), (685, 27086), (687, 27080), (689, 27068), (707, 27029),

Gene: Chiqui_32 Start: 26616, Stop: 25483, Start Num: 140
Candidate Starts for Chiqui_32:
(Start: 140 @26616 has 6 MA's), (Start: 194 @26535 has 8 MA's), (Start: 222 @26481 has 6 MA's), (242, 26436), (331, 26259), (334, 26253), (356, 26217), (403, 26160), (439, 26082), (510, 25929), (517, 25917), (548, 25842), (549, 25836), (559, 25815), (570, 25800), (579, 25782), (598, 25758), (678, 25596), (685, 25566), (687, 25560), (689, 25548), (707, 25509),

Gene: Chris_43 Start: 33288, Stop: 34373, Start Num: 158
Candidate Starts for Chris_43:
(Start: 158 @33288 has 315 MA's), (Start: 252 @33450 has 15 MA's), (280, 33495), (322, 33588), (343, 33630), (406, 33726), (412, 33741), (439, 33795), (440, 33798), (443, 33804), (457, 33840), (510, 33948), (553, 34053), (619, 34140), (651, 34176), (661, 34188), (688, 34296), (707, 34344),

Gene: ChuckDuck_35 Start: 24394, Stop: 25314, Start Num: 256
Candidate Starts for ChuckDuck_35:
(Start: 256 @24394 has 84 MA's), (325, 24550), (334, 24568), (340, 24580), (417, 24727), (421, 24736), (447, 24775), (486, 24844), (491, 24850), (511, 24883), (531, 24925), (550, 24976), (558, 24985), (667, 25156), (673, 25180), (677, 25195), (679, 25201), (706, 25282), (707, 25285),

Gene: ChuckDuck_39 Start: 26485, Stop: 27627, Start Num: 158
Candidate Starts for ChuckDuck_39:

(23, 26068), (25, 26098), (34, 26158), (37, 26188), (53, 26278), (65, 26314), (90, 26386), (98, 26395), (Start: 158 @26485 has 315 MA's), (349, 26839), (352, 26845), (365, 26863), (412, 26971), (439, 27031), (477, 27124), (535, 27244), (550, 27292), (569, 27322), (626, 27418), (677, 27526), (701, 27601),

Gene: Chymera_32 Start: 24210, Stop: 22924, Start Num: 158
Candidate Starts for Chymera_32:
(Start: 158 @24210 has 315 MA's), (Start: 163 @24201 has 3 MA's), (Start: 189 @24156 has 14 MA's), (313, 23862), (366, 23760), (376, 23730), (380, 23727), (450, 23547), (465, 23502), (467, 23499), (535, 23358), (537, 23352), (553, 23304), (677, 23067), (692, 23007), (705, 22983),

Gene: Clammy_33 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for Clammy_33:
(Start: 150 @26297 has 120 MA's), (203, 26210), (Start: 222 @26174 has 6 MA's), (242, 26129), (322, 25973), (326, 25961), (329, 25955), (356, 25910), (401, 25856), (403, 25853), (439, 25775), (510, 25622), (517, 25610), (535, 25571), (548, 25535), (549, 25529), (559, 25508), (570, 25493), (579, 25475), (600, 25448), (665, 25337), (678, 25289), (685, 25259), (687, 25253), (689, 25241), (707, 25202),

Gene: Clank_44 Start: 32173, Stop: 33291, Start Num: 158
Candidate Starts for Clank_44:
(Start: 158 @32173 has 315 MA's), (235, 32311), (Start: 252 @32344 has 15 MA's), (278, 32392), (352, 32545), (359, 32554), (403, 32635), (441, 32728), (465, 32788), (471, 32800), (473, 32803), (483, 32830), (495, 32854), (514, 32881), (533, 32917), (535, 32920), (548, 32956), (566, 32992), (619, 33061), (629, 33076), (650, 33094), (674, 33163), (677, 33172), (687, 33211), (690, 33229), (703, 33250), (707, 33265), (710, 33274), (712, 33277),

Gene: Clap_37 Start: 27875, Stop: 28957, Start Num: 155
Candidate Starts for Clap_37:
(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (516, 28553), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: Clark_36 Start: 27206, Stop: 28129, Start Num: 252
Candidate Starts for Clark_36:
(Start: 252 @27206 has 15 MA's), (Start: 256 @27212 has 84 MA's), (346, 27401), (347, 27407), (406, 27509), (415, 27533), (450, 27593), (482, 27650), (486, 27656), (491, 27662), (548, 27776), (549, 27782), (553, 27794), (609, 27869), (621, 27893), (623, 27896), (650, 27932), (660, 27938), (668, 27971), (688, 28052),

Gene: Clark_39 Start: 28996, Stop: 30123, Start Num: 158
Candidate Starts for Clark_39:
(124, 28957), (Start: 158 @28996 has 315 MA's), (Start: 189 @29050 has 14 MA's), (249, 29173), (268, 29206), (309, 29296), (326, 29329), (439, 29524), (440, 29527), (457, 29569), (473, 29605), (633, 29902), (670, 29980), (676, 30007), (681, 30022), (687, 30049), (710, 30112),

Gene: Clifton_35 Start: 27555, Stop: 28673, Start Num: 158
Candidate Starts for Clifton_35:
(Start: 158 @27555 has 315 MA's), (Start: 163 @27564 has 3 MA's), (Start: 252 @27726 has 15 MA's), (329, 27891), (352, 27927), (359, 27936), (403, 28017), (412, 28041), (441, 28110), (457, 28149), (463, 28167), (465, 28170), (471, 28182), (473, 28185), (477, 28197), (483, 28212), (495, 28236), (499, 28242), (514, 28263), (533, 28299), (535, 28302), (548, 28338), (549, 28344), (555, 28359), (566, 28374), (619, 28443), (629, 28458), (664, 28500), (674, 28545), (677, 28554), (687,

28593), (690, 28611), (703, 28632), (707, 28647), (710, 28656), (712, 28659),

Gene: Clipper_44 Start: 33113, Stop: 34201, Start Num: 158
Candidate Starts for Clipper_44:
(Start: 158 @33113 has 315 MA's), (Start: 189 @33164 has 14 MA's), (Start: 222 @33215 has 6 MA's), (234, 33239), (Start: 252 @33275 has 15 MA's), (322, 33413), (406, 33551), (439, 33620), (440, 33623), (510, 33773), (553, 33878), (661, 34013),

Gene: ClownCar_36 Start: 26581, Stop: 25490, Start Num: 189
Candidate Starts for ClownCar_36:
(Start: 101 @26698 has 2 MA's), (Start: 150 @26635 has 120 MA's), (Start: 189 @26581 has 14 MA's), (Start: 222 @26512 has 6 MA's), (329, 26293), (334, 26284), (356, 26248), (403, 26191), (439, 26113), (454, 26080), (497, 25978), (510, 25960), (517, 25948), (548, 25873), (549, 25867), (559, 25846), (570, 25831), (579, 25813), (598, 25789), (677, 25630), (678, 25627), (685, 25597), (687, 25591), (689, 25579), (707, 25540),

Gene: Coco12_40 Start: 31978, Stop: 33096, Start Num: 158
Candidate Starts for Coco12_40:
(Start: 158 @31978 has 315 MA's), (Start: 252 @32149 has 15 MA's), (329, 32314), (352, 32350), (359, 32359), (403, 32440), (412, 32464), (441, 32533), (457, 32572), (463, 32590), (465, 32593), (471, 32605), (473, 32608), (477, 32620), (483, 32635), (495, 32659), (499, 32665), (514, 32686), (533, 32722), (535, 32725), (548, 32761), (549, 32767), (553, 32779), (555, 32782), (566, 32797), (619, 32866), (629, 32881), (664, 32923), (674, 32968), (677, 32977), (687, 33016), (690, 33034), (703, 33055), (707, 33070), (710, 33079), (712, 33082),

Gene: Colbster_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for Colbster_36:
(Start: 150 @26790 has 120 MA's), (Start: 179 @26751 has 10 MA's), (203, 26703), (Start: 222 @26667 has 6 MA's), (242, 26622), (322, 26466), (334, 26439), (356, 26403), (403, 26346), (439, 26268), (450, 26244), (463, 26205), (497, 26133), (505, 26121), (510, 26115), (517, 26103), (548, 26028), (549, 26022), (559, 26001), (570, 25986), (579, 25968), (598, 25944), (665, 25830), (677, 25785), (678, 25782), (681, 25773), (685, 25752), (687, 25746), (689, 25734), (707, 25695),

Gene: Cole_34 Start: 26120, Stop: 27040, Start Num: 256
Candidate Starts for Cole_34:
(Start: 236 @26078 has 1 MA's), (Start: 256 @26120 has 84 MA's), (325, 26276), (328, 26282), (334, 26294), (340, 26306), (417, 26453), (421, 26462), (447, 26501), (480, 26558), (486, 26570), (491, 26576), (511, 26609), (521, 26633), (531, 26651), (539, 26663), (550, 26702), (660, 26852), (667, 26882), (673, 26906), (679, 26927), (706, 27008), (707, 27011),

Gene: Colin_37 Start: 27841, Stop: 26711, Start Num: 152
Candidate Starts for Colin_37:
(Start: 152 @27841 has 2 MA's), (Start: 222 @27721 has 6 MA's), (242, 27676), (329, 27502), (334, 27493), (356, 27457), (401, 27403), (403, 27400), (439, 27322), (454, 27289), (457, 27277), (510, 27169), (517, 27157), (548, 27082), (559, 27055), (570, 27040), (579, 27022), (600, 26995), (678, 26836), (685, 26806), (687, 26800), (689, 26788), (707, 26749),

Gene: Colleen_32 Start: 30114, Stop: 28903, Start Num: 169
Candidate Starts for Colleen_32:
(Start: 169 @30114 has 4 MA's), (255, 29940), (313, 29799), (401, 29640), (465, 29490), (513, 29400), (637, 29136), (649, 29100), (653, 29094), (704, 28929), (708, 28914), (709, 28911),

Gene: Commander_33 Start: 26250, Stop: 25129, Start Num: 150

Candidate Starts for Commander_33:
(Start: 113 @26295 has 3 MA's), (135, 26268), (Start: 150 @26250 has 120 MA's), (Start: 194 @26181 has 8 MA's), (Start: 222 @26127 has 6 MA's), (329, 25908), (334, 25899), (356, 25863), (395, 25821), (401, 25809), (403, 25806), (439, 25728), (497, 25593), (510, 25575), (548, 25488), (559, 25461), (570, 25446), (579, 25428), (665, 25290), (678, 25242), (685, 25212), (687, 25206), (689, 25194), (707, 25155),

Gene: Confidence_36 Start: 28133, Stop: 29050, Start Num: 256
Candidate Starts for Confidence_36:
(Start: 252 @28127 has 15 MA's), (Start: 256 @28133 has 84 MA's), (Start: 271 @28157 has 1 MA's), (309, 28253), (346, 28322), (347, 28328), (413, 28451), (450, 28514), (481, 28568), (486, 28577), (498, 28598), (504, 28607), (519, 28637), (609, 28790), (623, 28817), (650, 28853),

Gene: Confidence_37 Start: 29321, Stop: 30403, Start Num: 155
Candidate Starts for Confidence_37:
(Start: 155 @29321 has 58 MA's), (Start: 228 @29438 has 1 MA's), (278, 29531), (401, 29753), (415, 29789), (440, 29843), (469, 29912), (670, 30260), (676, 30287), (685, 30323), (710, 30392),

Gene: Constance_34 Start: 24866, Stop: 25786, Start Num: 256
Candidate Starts for Constance_34:
(Start: 256 @24866 has 84 MA's), (325, 25022), (334, 25040), (340, 25052), (417, 25199), (421, 25208), (447, 25247), (486, 25316), (491, 25322), (511, 25355), (531, 25397), (550, 25448), (667, 25628), (673, 25652), (677, 25667), (679, 25673), (706, 25754), (707, 25757),

Gene: Constance_38 Start: 26814, Stop: 27956, Start Num: 158
Candidate Starts for Constance_38:
(75, 26667), (79, 26679), (80, 26688), (97, 26721), (127, 26769), (137, 26784), (Start: 158 @26814 has 315 MA's), (352, 27174), (365, 27192), (412, 27300), (439, 27360), (477, 27453), (535, 27573), (550, 27621), (569, 27651), (626, 27747), (677, 27855), (701, 27930),

Gene: Constella_68 Start: 47200, Stop: 48429, Start Num: 136
Candidate Starts for Constella_68:
(Start: 136 @47200 has 29 MA's), (Start: 148 @47218 has 1 MA's), (Start: 170 @47257 has 1 MA's), (282, 47494), (329, 47602), (395, 47722), (396, 47725), (401, 47734), (406, 47749), (422, 47788), (458, 47866), (520, 47983), (529, 47986), (533, 47995), (551, 48046), (553, 48049), (566, 48067), (617, 48163), (652, 48220), (684, 48340), (685, 48343), (690, 48367), (704, 48391), (705, 48394),

Gene: CookieBear_36 Start: 24572, Stop: 25489, Start Num: 256
Candidate Starts for CookieBear_36:
(196, 24443), (200, 24449), (Start: 256 @24572 has 84 MA's), (325, 24728), (333, 24743), (340, 24755), (417, 24902), (421, 24911), (447, 24950), (476, 24995), (486, 25019), (491, 25025), (511, 25058), (531, 25100), (537, 25109), (550, 25151), (609, 25235), (673, 25355), (677, 25370),

Gene: CookieBear_40 Start: 27769, Stop: 26630, Start Num: 158
Candidate Starts for CookieBear_40:
(Start: 158 @27769 has 315 MA's), (Start: 189 @27718 has 14 MA's), (282, 27550), (290, 27532), (359, 27400), (395, 27337), (403, 27322), (406, 27310), (408, 27304), (439, 27235), (443, 27226), (467, 27166), (511, 27076), (555, 26971), (571, 26950), (585, 26923), (664, 26800), (670, 26776), (673, 26761), (692, 26686), (706, 26656),

Gene: Corium_41 Start: 32428, Stop: 33546, Start Num: 158
Candidate Starts for Corium_41:

(Start: 158 @32428 has 315 MA's), (Start: 163 @32437 has 3 MA's), (Start: 252 @32599 has 15 MA's), (329, 32764), (352, 32800), (359, 32809), (412, 32914), (441, 32983), (457, 33022), (463, 33040), (465, 33043), (471, 33055), (473, 33058), (477, 33070), (483, 33085), (495, 33109), (499, 33115), (514, 33136), (533, 33172), (535, 33175), (548, 33211), (549, 33217), (555, 33232), (566, 33247), (619, 33316), (629, 33331), (664, 33373), (674, 33418), (677, 33427), (681, 33439), (687, 33466), (690, 33484), (703, 33505), (707, 33520), (710, 33529), (712, 33532),

Gene: Cornucopia_45 Start: 32843, Stop: 33970, Start Num: 158
Candidate Starts for Cornucopia_45:
(85, 32741), (123, 32798), (Start: 158 @32843 has 315 MA's), (Start: 163 @32852 has 3 MA's), (Start: 252 @33014 has 15 MA's), (276, 33065), (282, 33083), (299, 33128), (352, 33224), (359, 33233), (403, 33314), (412, 33338), (441, 33407), (457, 33446), (465, 33467), (471, 33479), (473, 33482), (477, 33494), (483, 33509), (495, 33533), (514, 33560), (533, 33596), (535, 33599), (548, 33635), (566, 33671), (619, 33740), (629, 33755), (650, 33773), (664, 33797), (674, 33842), (677, 33851), (681, 33863), (687, 33890), (690, 33908), (703, 33929), (707, 33944), (710, 33953), (712, 33956),

Gene: CosmicBrownie_38 Start: 27262, Stop: 26123, Start Num: 158
Candidate Starts for CosmicBrownie_38:
(Start: 158 @27262 has 315 MA's), (329, 26941), (352, 26905), (360, 26893), (365, 26887), (406, 26794), (412, 26779), (439, 26719), (453, 26689), (477, 26626), (550, 26458), (563, 26437), (569, 26428), (626, 26332), (681, 26212), (701, 26149),

Gene: CosmicBrownie_36 Start: 24392, Stop: 25312, Start Num: 256
Candidate Starts for CosmicBrownie_36:
(196, 24263), (200, 24269), (Start: 256 @24392 has 84 MA's), (303, 24506), (330, 24557), (334, 24566), (340, 24578), (382, 24635), (417, 24725), (421, 24734), (447, 24773), (486, 24842), (491, 24848), (494, 24857), (511, 24881), (521, 24905), (620, 25079), (673, 25178), (677, 25193), (679, 25199),

Gene: Courthouse_82 Start: 49663, Stop: 50937, Start Num: 114
Candidate Starts for Courthouse_82:
(82, 49606), (Start: 102 @49648 has 2 MA's), (Start: 114 @49663 has 10 MA's), (117, 49666), (Start: 148 @49711 has 1 MA's), (Start: 170 @49750 has 1 MA's), (356, 50131), (395, 50215), (401, 50227), (403, 50230), (458, 50359), (529, 50479), (553, 50542), (566, 50560), (576, 50584), (617, 50656), (684, 50833), (685, 50836), (687, 50842), (690, 50860), (699, 50875), (704, 50884), (705, 50887), (726, 50932),

Gene: Crater_49 Start: 32565, Stop: 33662, Start Num: 158
Candidate Starts for Crater_49:
(59, 32385), (73, 32424), (Start: 158 @32565 has 315 MA's), (Start: 189 @32616 has 14 MA's), (235, 32694), (249, 32721), (278, 32766), (291, 32799), (294, 32808), (401, 32985), (403, 32988), (443, 33081), (457, 33117), (471, 33150), (473, 33153), (477, 33165), (559, 33330), (582, 33360), (631, 33432), (664, 33468), (670, 33492), (676, 33519), (688, 33567), (690, 33579), (712, 33627),

Gene: Crescenzo_39 Start: 27750, Stop: 26572, Start Num: 158
Candidate Starts for Crescenzo_39:
(Start: 158 @27750 has 315 MA's), (Start: 189 @27699 has 14 MA's), (226, 27633), (290, 27513), (334, 27417), (359, 27381), (403, 27303), (439, 27216), (443, 27207), (467, 27147), (555, 26952), (559, 26946), (585, 26904), (664, 26787), (669, 26766), (670, 26763), (673, 26748), (712, 26628), (735, 26586),

Gene: Crescenzo_36 Start: 24998, Stop: 25918, Start Num: 256
Candidate Starts for Crescenzo_36:

(Start: 236 @24956 has 1 MA's), (Start: 256 @24998 has 84 MA's), (303, 25112), (325, 25154), (334, 25172), (340, 25184), (382, 25241), (417, 25331), (421, 25340), (447, 25379), (486, 25448), (491, 25454), (494, 25463), (511, 25487),

Gene: CrimD_41 Start: 32723, Stop: 33811, Start Num: 158
Candidate Starts for CrimD_41:
(Start: 158 @32723 has 315 MA's), (Start: 222 @32825 has 6 MA's), (234, 32849), (Start: 252 @32885 has 15 MA's), (322, 33023), (352, 33077), (406, 33161), (439, 33230), (440, 33233), (510, 33383), (545, 33461), (553, 33488), (661, 33623), (704, 33767),

Gene: Croquant_37 Start: 26788, Stop: 25643, Start Num: 150
Candidate Starts for Croquant_37:
(Start: 150 @26788 has 120 MA's), (Start: 179 @26749 has 10 MA's), (203, 26701), (Start: 222 @26665 has 6 MA's), (242, 26620), (322, 26464), (334, 26437), (356, 26401), (403, 26344), (439, 26266), (450, 26242), (463, 26203), (497, 26131), (505, 26119), (510, 26113), (517, 26101), (548, 26026), (549, 26020), (559, 25999), (570, 25984), (579, 25966), (598, 25942), (665, 25828), (677, 25783), (678, 25780), (681, 25771), (685, 25750), (687, 25744), (689, 25732), (707, 25693),

Gene: Crucio_34 Start: 26336, Stop: 25269, Start Num: 189
Candidate Starts for Crucio_34:
(Start: 101 @26453 has 2 MA's), (Start: 150 @26390 has 120 MA's), (Start: 189 @26336 has 14 MA's), (Start: 222 @26267 has 6 MA's), (242, 26222), (305, 26096), (329, 26048), (334, 26039), (356, 26003), (401, 25949), (403, 25946), (457, 25823), (463, 25805), (477, 25775), (505, 25721), (510, 25715), (517, 25703), (548, 25628), (549, 25622), (559, 25601), (570, 25586), (579, 25568), (600, 25541), (665, 25430), (678, 25382), (685, 25352), (687, 25346), (689, 25334), (707, 25295),

Gene: Cullens_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for Cullens_36:
(Start: 150 @26789 has 120 MA's), (Start: 179 @26750 has 10 MA's), (203, 26702), (Start: 222 @26666 has 6 MA's), (242, 26621), (322, 26465), (334, 26438), (356, 26402), (403, 26345), (439, 26267), (450, 26243), (463, 26204), (497, 26132), (505, 26120), (510, 26114), (517, 26102), (548, 26027), (549, 26021), (559, 26000), (570, 25985), (579, 25967), (598, 25943), (665, 25829), (677, 25784), (678, 25781), (681, 25772), (685, 25751), (687, 25745), (689, 25733), (707, 25694),

Gene: Culver_60 Start: 37716, Stop: 38639, Start Num: 256
Candidate Starts for Culver_60:
(Start: 252 @37710 has 15 MA's), (Start: 256 @37716 has 84 MA's), (Start: 271 @37746 has 1 MA's), (306, 37836), (340, 37902), (346, 37911), (347, 37917), (391, 37980), (406, 38019), (443, 38088), (476, 38142), (482, 38160), (484, 38163), (486, 38166), (498, 38187), (539, 38259), (547, 38283), (548, 38286), (549, 38292), (553, 38304), (590, 38352), (592, 38355), (609, 38379), (621, 38403), (650, 38442), (677, 38517), (687, 38556),

Gene: Cynthia_37 Start: 27764, Stop: 28957, Start Num: 83
Candidate Starts for Cynthia_37:
(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: D29_33 Start: 26474, Stop: 25350, Start Num: 150
Candidate Starts for D29_33:
(Start: 150 @26474 has 120 MA's), (Start: 189 @26420 has 14 MA's), (Start: 222 @26351 has 6 MA's), (322, 26150), (323, 26147), (334, 26123), (356, 26087), (403, 26030), (412, 26003), (439, 25952), (454, 25919), (457, 25907), (463, 25889), (497, 25817), (510, 25799), (517, 25787), (548,

25712), (549, 25706), (559, 25685), (570, 25670), (579, 25652), (600, 25625), (665, 25514), (678, 25466), (679, 25463), (685, 25436), (687, 25430), (689, 25418), (707, 25379),

Gene: D32_37 Start: 26474, Stop: 25350, Start Num: 150
Candidate Starts for D32_37:
(Start: 150 @26474 has 120 MA's), (Start: 189 @26420 has 14 MA's), (Start: 222 @26351 has 6 MA's), (322, 26150), (323, 26147), (334, 26123), (356, 26087), (403, 26030), (412, 26003), (439, 25952), (454, 25919), (457, 25907), (463, 25889), (497, 25817), (510, 25799), (517, 25787), (548, 25712), (549, 25706), (559, 25685), (570, 25670), (579, 25652), (600, 25625), (665, 25514), (678, 25466), (679, 25463), (685, 25436), (687, 25430), (689, 25418), (707, 25379),

Gene: DBQu4n_37 Start: 26474, Stop: 25350, Start Num: 150
Candidate Starts for DBQu4n_37:
(Start: 150 @26474 has 120 MA's), (Start: 189 @26420 has 14 MA's), (Start: 222 @26351 has 6 MA's), (322, 26150), (334, 26123), (356, 26087), (403, 26030), (412, 26003), (439, 25952), (454, 25919), (457, 25907), (463, 25889), (497, 25817), (510, 25799), (517, 25787), (535, 25748), (548, 25712), (549, 25706), (559, 25685), (570, 25670), (579, 25652), (600, 25625), (665, 25514), (678, 25466), (679, 25463), (685, 25436), (687, 25430), (689, 25418), (707, 25379),

Gene: DLane_41 Start: 32255, Stop: 33373, Start Num: 158
Candidate Starts for DLane_41:
(Start: 158 @32255 has 315 MA's), (Start: 252 @32426 has 15 MA's), (329, 32591), (352, 32627), (359, 32636), (441, 32810), (457, 32849), (465, 32870), (471, 32882), (473, 32885), (477, 32897), (495, 32936), (499, 32942), (514, 32963), (533, 32999), (535, 33002), (548, 33038), (549, 33044), (555, 33059), (619, 33143), (629, 33158), (664, 33200), (674, 33245), (677, 33254), (687, 33293), (690, 33311), (703, 33332), (707, 33347), (710, 33356), (712, 33359),

Gene: DRBy19_43 Start: 32003, Stop: 33121, Start Num: 158
Candidate Starts for DRBy19_43:
(Start: 158 @32003 has 315 MA's), (235, 32141), (Start: 252 @32174 has 15 MA's), (278, 32222), (329, 32339), (352, 32375), (359, 32384), (412, 32489), (441, 32558), (465, 32618), (471, 32630), (473, 32633), (477, 32645), (483, 32660), (495, 32684), (499, 32690), (514, 32711), (533, 32747), (535, 32750), (548, 32786), (549, 32792), (553, 32804), (555, 32807), (619, 32891), (629, 32906), (664, 32948), (674, 32993), (677, 33002), (687, 33041), (690, 33059), (703, 33080), (707, 33095), (710, 33104), (712, 33107),

Gene: DaHudson_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for DaHudson_36:
(Start: 150 @26782 has 120 MA's), (Start: 179 @26743 has 10 MA's), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (334, 26431), (356, 26395), (403, 26338), (439, 26260), (450, 26236), (463, 26197), (497, 26125), (505, 26113), (510, 26107), (517, 26095), (548, 26020), (549, 26014), (559, 25993), (570, 25978), (579, 25960), (598, 25936), (665, 25822), (677, 25777), (678, 25774), (681, 25765), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Daegal_30 Start: 26772, Stop: 25579, Start Num: 187
Candidate Starts for Daegal_30:
(Start: 160 @26814 has 2 MA's), (Start: 187 @26772 has 20 MA's), (216, 26706), (251, 26625), (267, 26586), (276, 26571), (278, 26565), (282, 26553), (292, 26526), (304, 26493), (334, 26436), (357, 26403), (359, 26400), (378, 26352), (395, 26310), (396, 26307), (406, 26283), (412, 26268), (422, 26244), (431, 26229), (450, 26190), (454, 26178), (467, 26139), (485, 26100), (514, 26052), (516, 26049), (548, 25977), (549, 25971), (553, 25959), (555, 25956), (559, 25950), (588, 25896), (602, 25878), (604, 25875), (617, 25848), (632, 25821), (662, 25779), (668, 25752), (670, 25746), (683, 25689), (706, 25626), (707, 25623),

Gene: Dallas_80 Start: 51984, Stop: 53213, Start Num: 136
Candidate Starts for Dallas_80:
(Start: 136 @51984 has 29 MA's), (Start: 148 @52002 has 1 MA's), (Start: 170 @52041 has 1 MA's), (282, 52278), (329, 52386), (395, 52506), (396, 52509), (401, 52518), (406, 52533), (422, 52572), (458, 52650), (514, 52755), (520, 52767), (529, 52770), (533, 52779), (551, 52830), (553, 52833), (566, 52851), (617, 52947), (652, 53004), (684, 53124), (685, 53127), (690, 53151), (704, 53175), (705, 53178),

Gene: Dalmatian_35 Start: 26758, Stop: 25637, Start Num: 150
Candidate Starts for Dalmatian_35:
(Start: 101 @26821 has 2 MA's), (Start: 150 @26758 has 120 MA's), (Start: 189 @26704 has 14 MA's), (Start: 222 @26635 has 6 MA's), (242, 26590), (322, 26434), (356, 26371), (406, 26302), (432, 26260), (439, 26236), (463, 26173), (510, 26083), (517, 26071), (548, 25996), (549, 25990), (559, 25969), (570, 25954), (579, 25936), (600, 25909), (665, 25798), (677, 25753), (678, 25750), (679, 25747), (685, 25720), (687, 25714), (689, 25702), (707, 25663),

Gene: Dalmuri_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Dalmuri_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: DartGoblin_43 Start: 33327, Stop: 34415, Start Num: 158
Candidate Starts for DartGoblin_43:
(Start: 158 @33327 has 315 MA's), (Start: 189 @33378 has 14 MA's), (Start: 222 @33429 has 6 MA's), (234, 33453), (Start: 252 @33489 has 15 MA's), (308, 33603), (322, 33627), (352, 33681), (406, 33765), (439, 33834), (510, 33987), (553, 34092), (619, 34179), (661, 34227), (704, 34371),

Gene: Dartin_43 Start: 33014, Stop: 34105, Start Num: 158
Candidate Starts for Dartin_43:
(11, 32333), (19, 32477), (31, 32681), (46, 32780), (49, 32789), (54, 32816), (70, 32864), (Start: 158 @33014 has 315 MA's), (Start: 189 @33065 has 14 MA's), (234, 33140), (Start: 252 @33176 has 15 MA's), (308, 33290), (322, 33314), (352, 33368), (406, 33452), (419, 33485), (439, 33521), (440, 33524), (457, 33566), (495, 33653), (510, 33674), (553, 33782), (606, 33842), (651, 33905), (661, 33917), (688, 34025), (704, 34061),

Gene: DarwinJr_42 Start: 28654, Stop: 27527, Start Num: 189
Candidate Starts for DarwinJr_42:
(144, 28723), (Start: 158 @28705 has 315 MA's), (Start: 189 @28654 has 14 MA's), (226, 28588), (290, 28468), (334, 28372), (359, 28336), (403, 28258), (439, 28171), (443, 28162), (467, 28102), (511, 28012), (555, 27907), (559, 27901), (585, 27859), (626, 27793), (664, 27742), (669, 27721), (670, 27718), (673, 27703), (712, 27583),

Gene: DarwinJr_39 Start: 25983, Stop: 26903, Start Num: 256
Candidate Starts for DarwinJr_39:
(196, 25854), (207, 25881), (Start: 236 @25941 has 1 MA's), (Start: 256 @25983 has 84 MA's), (306, 26103), (334, 26157), (417, 26316), (447, 26364), (476, 26409), (486, 26433), (491, 26439), (511, 26472), (539, 26526), (564, 26583), (609, 26649), (673, 26769), (677, 26784), (707, 26874),

Gene: DeadP_46 Start: 32604, Stop: 33707, Start Num: 158
Candidate Starts for DeadP_46:

(Start: 158 @32604 has 315 MA's), (Start: 189 @32652 has 14 MA's), (235, 32733), (246, 32760), (352, 32973), (371, 32997), (403, 33045), (439, 33126), (467, 33195), (471, 33204), (483, 33234), (495, 33258), (510, 33279), (545, 33357), (549, 33372), (597, 33432), (619, 33471), (629, 33486), (648, 33510), (664, 33537), (670, 33561), (674, 33582), (677, 33591), (688, 33636), (690, 33648),

Gene: Deby_41 Start: 32726, Stop: 33811, Start Num: 158
Candidate Starts for Deby_41:
(Start: 158 @32726 has 315 MA's), (Start: 222 @32828 has 6 MA's), (226, 32837), (234, 32852), (Start: 252 @32888 has 15 MA's), (322, 33026), (352, 33080), (406, 33164), (439, 33233), (440, 33236), (510, 33386), (553, 33491), (619, 33578), (661, 33626), (704, 33770),

Gene: DeepSoil15_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for DeepSoil15_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Denise_35 Start: 27272, Stop: 28351, Start Num: 158
Candidate Starts for Denise_35:
(Start: 158 @27272 has 315 MA's), (249, 27428), (341, 27608), (457, 27821), (475, 27860), (477, 27869), (549, 28025), (631, 28148), (670, 28208), (710, 28340),

Gene: Devera_45 Start: 33261, Stop: 34349, Start Num: 158
Candidate Starts for Devera_45:
(Start: 158 @33261 has 315 MA's), (Start: 222 @33363 has 6 MA's), (234, 33387), (Start: 252 @33423 has 15 MA's), (282, 33474), (308, 33537), (322, 33561), (352, 33615), (355, 33618), (406, 33699), (439, 33768), (440, 33771), (510, 33921), (545, 33999), (553, 34026), (661, 34161),

Gene: Dewey_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Dewey_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Dieselweasel_36 Start: 26792, Stop: 25647, Start Num: 150
Candidate Starts for Dieselweasel_36:
(Start: 150 @26792 has 120 MA's), (Start: 179 @26753 has 10 MA's), (203, 26705), (Start: 222 @26669 has 6 MA's), (242, 26624), (322, 26468), (334, 26441), (356, 26405), (403, 26348), (439, 26270), (450, 26246), (463, 26207), (497, 26135), (505, 26123), (510, 26117), (517, 26105), (548, 26030), (549, 26024), (559, 26003), (570, 25988), (579, 25970), (598, 25946), (665, 25832), (677, 25787), (678, 25784), (681, 25775), (685, 25754), (687, 25748), (689, 25736), (707, 25697),

Gene: Dignity_35 Start: 26759, Stop: 25632, Start Num: 146
Candidate Starts for Dignity_35:

(Start: 133 @26777 has 7 MA's), (Start: 146 @26759 has 6 MA's), (Start: 194 @26675 has 8 MA's), (Start: 222 @26627 has 6 MA's), (242, 26582), (334, 26399), (356, 26363), (403, 26306), (406, 26294), (454, 26195), (457, 26183), (463, 26165), (510, 26075), (548, 25988), (549, 25982), (559, 25961), (570, 25946), (579, 25928), (600, 25901), (665, 25790), (678, 25742), (679, 25739), (685, 25712), (687, 25706), (689, 25694), (707, 25655),

Gene: DillyDally_29 Start: 24117, Stop: 22978, Start Num: 168
Candidate Starts for DillyDally_29:
(61, 24321), (168, 24117), (Start: 222 @24021 has 6 MA's), (277, 23913), (279, 23907), (288, 23883), (309, 23829), (343, 23766), (351, 23754), (358, 23745), (388, 23724), (406, 23679), (422, 23640), (446, 23595), (450, 23586), (455, 23571), (517, 23451), (522, 23439), (561, 23361), (635, 23247), (674, 23160), (680, 23142), (707, 23058), (739, 22986),

Gene: Ding_40 Start: 28134, Stop: 27007, Start Num: 158
Candidate Starts for Ding_40:
(Start: 158 @28134 has 315 MA's), (Start: 189 @28083 has 14 MA's), (191, 28080), (282, 27918), (308, 27855), (329, 27810), (334, 27801), (395, 27690), (406, 27663), (412, 27648), (451, 27564), (457, 27546), (548, 27351), (569, 27309), (577, 27294), (583, 27282), (606, 27255), (619, 27228), (626, 27213), (648, 27189), (674, 27117), (677, 27108), (681, 27096), (690, 27051),

Gene: DinoDaryn_38 Start: 27370, Stop: 26255, Start Num: 197
Candidate Starts for DinoDaryn_38:
(Start: 197 @27370 has 12 MA's), (372, 27031), (388, 26998), (525, 26704), (536, 26692), (617, 26512), (681, 26341), (687, 26314),

Gene: Dirtdigger_36 Start: 26196, Stop: 27113, Start Num: 256
Candidate Starts for Dirtdigger_36:
(Start: 256 @26196 has 84 MA's), (325, 26352), (340, 26379), (382, 26436), (417, 26526), (421, 26535), (447, 26574), (476, 26619), (486, 26643), (491, 26649), (498, 26664), (511, 26682), (531, 26724), (550, 26775), (609, 26859), (623, 26886), (667, 26955), (705, 27075),

Gene: DismalFunk_43 Start: 34317, Stop: 35417, Start Num: 158
Candidate Starts for DismalFunk_43:
(Start: 158 @34317 has 315 MA's), (167, 34335), (234, 34443), (Start: 252 @34479 has 15 MA's), (308, 34593), (322, 34617), (352, 34671), (429, 34812), (439, 34836), (440, 34839), (457, 34881), (510, 34989), (553, 35094), (594, 35139), (606, 35154), (688, 35346),

Gene: DismalStressor_43 Start: 34317, Stop: 35417, Start Num: 158
Candidate Starts for DismalStressor_43:
(Start: 158 @34317 has 315 MA's), (167, 34335), (234, 34443), (Start: 252 @34479 has 15 MA's), (308, 34593), (322, 34617), (352, 34671), (429, 34812), (439, 34836), (440, 34839), (457, 34881), (510, 34989), (553, 35094), (594, 35139), (606, 35154), (688, 35346),

Gene: Dmitri_36 Start: 30429, Stop: 31346, Start Num: 256
Candidate Starts for Dmitri_36:
(Start: 252 @30423 has 15 MA's), (Start: 256 @30429 has 84 MA's), (Start: 271 @30453 has 1 MA's), (309, 30549), (346, 30618), (347, 30624), (413, 30747), (450, 30810), (481, 30864), (486, 30873), (498, 30894), (504, 30903), (519, 30933), (609, 31086), (623, 31113), (650, 31149), (660, 31155), (706, 31314),

Gene: DmpstrDiver_82 Start: 52410, Stop: 53639, Start Num: 136
Candidate Starts for DmpstrDiver_82:

(Start: 136 @52410 has 29 MA's), (Start: 148 @52428 has 1 MA's), (Start: 170 @52467 has 1 MA's), (282, 52704), (329, 52812), (395, 52932), (396, 52935), (401, 52944), (406, 52959), (422, 52998), (458, 53076), (514, 53181), (520, 53193), (529, 53196), (533, 53205), (551, 53256), (553, 53259), (566, 53277), (617, 53373), (652, 53430), (684, 53550), (685, 53553), (690, 53577), (704, 53601), (705, 53604),

Gene: DoRead_44 Start: 32140, Stop: 33258, Start Num: 158
Candidate Starts for DoRead_44:
(Start: 158 @32140 has 315 MA's), (235, 32278), (Start: 252 @32311 has 15 MA's), (278, 32359), (352, 32512), (359, 32521), (403, 32602), (441, 32695), (465, 32755), (471, 32767), (473, 32770), (483, 32797), (495, 32821), (514, 32848), (533, 32884), (535, 32887), (548, 32923), (566, 32959), (619, 33028), (629, 33043), (674, 33130), (677, 33139), (681, 33151), (687, 33178), (690, 33196), (703, 33217), (707, 33232), (710, 33241), (712, 33244),

Gene: DobbysSock_30 Start: 26128, Stop: 27051, Start Num: 252
Candidate Starts for DobbysSock_30:
(Start: 252 @26128 has 15 MA's), (Start: 256 @26134 has 84 MA's), (346, 26323), (347, 26329), (406, 26431), (415, 26455), (450, 26515), (482, 26572), (486, 26578), (491, 26584), (548, 26698), (549, 26704), (553, 26716), (609, 26791), (621, 26815), (623, 26818), (650, 26854), (660, 26860), (668, 26893), (688, 26974),

Gene: DobbysSock_31 Start: 27501, Stop: 28628, Start Num: 158
Candidate Starts for DobbysSock_31:
(52, 27282), (58, 27318), (Start: 158 @27501 has 315 MA's), (Start: 189 @27555 has 14 MA's), (268, 27711), (309, 27801), (326, 27834), (439, 28029), (440, 28032), (457, 28074), (473, 28110), (633, 28407), (670, 28485), (681, 28527), (687, 28554), (710, 28617),

Gene: Dole_44 Start: 33263, Stop: 34351, Start Num: 158
Candidate Starts for Dole_44:
(Start: 158 @33263 has 315 MA's), (Start: 222 @33365 has 6 MA's), (234, 33389), (Start: 252 @33425 has 15 MA's), (282, 33476), (308, 33539), (322, 33563), (352, 33617), (355, 33620), (406, 33701), (439, 33770), (440, 33773), (510, 33923), (545, 34001), (553, 34028), (661, 34163),

Gene: Dolores_40 Start: 29868, Stop: 30995, Start Num: 158
Candidate Starts for Dolores_40:
(124, 29829), (Start: 158 @29868 has 315 MA's), (Start: 189 @29922 has 14 MA's), (249, 30045), (268, 30078), (309, 30168), (326, 30201), (439, 30396), (440, 30399), (457, 30441), (473, 30477), (633, 30774), (670, 30852), (676, 30879), (681, 30894), (687, 30921), (710, 30984),

Gene: Dolores_37 Start: 28084, Stop: 29001, Start Num: 256
Candidate Starts for Dolores_37:
(Start: 252 @28078 has 15 MA's), (Start: 256 @28084 has 84 MA's), (346, 28273), (347, 28279), (406, 28381), (415, 28405), (450, 28465), (482, 28522), (486, 28528), (491, 28534), (548, 28648), (549, 28654), (553, 28666), (609, 28741), (621, 28765), (623, 28768), (650, 28804), (660, 28810), (663, 28822), (688, 28924),

Gene: Donatella_35 Start: 26584, Stop: 27504, Start Num: 256
Candidate Starts for Donatella_35:
(Start: 236 @26542 has 1 MA's), (Start: 256 @26584 has 84 MA's), (325, 26740), (334, 26758), (340, 26770), (417, 26917), (421, 26926), (447, 26965), (450, 26971), (481, 27025), (486, 27034), (491, 27040), (511, 27073), (521, 27097), (531, 27115), (539, 27127), (550, 27166), (660, 27316), (664, 27331), (667, 27346), (673, 27370), (677, 27385), (679, 27391), (706, 27472), (707, 27475),

Gene: Donkeykong_41 Start: 32106, Stop: 33224, Start Num: 158
Candidate Starts for Donkeykong_41:
(Start: 158 @32106 has 315 MA's), (Start: 163 @32115 has 3 MA's), (235, 32244), (Start: 252 @32277 has 15 MA's), (278, 32325), (329, 32442), (352, 32478), (359, 32487), (403, 32568), (412, 32592), (441, 32661), (457, 32700), (465, 32721), (471, 32733), (473, 32736), (477, 32748), (495, 32787), (499, 32793), (514, 32814), (533, 32850), (535, 32853), (548, 32889), (549, 32895), (553, 32907), (555, 32910), (619, 32994), (629, 33009), (650, 33027), (674, 33096), (677, 33105), (687, 33144), (690, 33162), (703, 33183), (707, 33198), (710, 33207), (712, 33210),

Gene: Doomslug_48 Start: 31734, Stop: 32852, Start Num: 158
Candidate Starts for Doomslug_48:
(Start: 158 @31734 has 315 MA's), (Start: 163 @31743 has 3 MA's), (Start: 252 @31905 has 15 MA's), (329, 32070), (352, 32106), (359, 32115), (403, 32196), (412, 32220), (441, 32289), (465, 32349), (471, 32361), (473, 32364), (477, 32376), (483, 32391), (495, 32415), (499, 32421), (514, 32442), (533, 32478), (535, 32481), (548, 32517), (549, 32523), (553, 32535), (555, 32538), (619, 32622), (629, 32637), (650, 32655), (671, 32706), (674, 32724), (677, 32733), (681, 32745), (687, 32772), (690, 32790), (703, 32811), (707, 32826), (710, 32835), (712, 32838),

Gene: Dori_45 Start: 42022, Stop: 40820, Start Num: 175
Candidate Starts for Dori_45:
(Start: 175 @42022 has 7 MA's), (212, 41947), (Start: 222 @41923 has 6 MA's), (224, 41917), (275, 41812), (321, 41701), (322, 41698), (359, 41635), (413, 41500), (422, 41479), (450, 41425), (510, 41296), (514, 41290), (604, 41113), (605, 41110), (607, 41107), (617, 41086), (640, 41050), (670, 40984), (673, 40969), (689, 40903), (700, 40879), (710, 40849),

Gene: Dorito_32 Start: 25772, Stop: 26695, Start Num: 252
Candidate Starts for Dorito_32:
(Start: 252 @25772 has 15 MA's), (Start: 256 @25778 has 84 MA's), (346, 25967), (347, 25973), (406, 26075), (415, 26099), (450, 26159), (482, 26216), (486, 26222), (491, 26228), (548, 26342), (549, 26348), (553, 26360), (609, 26435), (621, 26459), (623, 26462), (650, 26498), (660, 26504), (668, 26537), (688, 26618),

Gene: Dorito_34 Start: 27145, Stop: 28272, Start Num: 158
Candidate Starts for Dorito_34:
(52, 26926), (58, 26962), (Start: 158 @27145 has 315 MA's), (Start: 189 @27199 has 14 MA's), (249, 27322), (268, 27355), (309, 27445), (326, 27478), (439, 27673), (440, 27676), (457, 27718), (473, 27754), (633, 28051), (670, 28129), (681, 28171), (687, 28198), (710, 28261),

Gene: DosHalletts_40 Start: 31274, Stop: 32392, Start Num: 158
Candidate Starts for DosHalletts_40:
(Start: 158 @31274 has 315 MA's), (Start: 252 @31445 has 15 MA's), (278, 31493), (352, 31646), (359, 31655), (403, 31736), (412, 31760), (441, 31829), (465, 31889), (471, 31901), (473, 31904), (477, 31916), (483, 31931), (495, 31955), (499, 31961), (514, 31982), (533, 32018), (535, 32021), (548, 32057), (549, 32063), (553, 32075), (555, 32078), (566, 32093), (619, 32162), (629, 32177), (664, 32219), (674, 32264), (677, 32273), (687, 32312), (690, 32330), (703, 32351), (707, 32366), (710, 32375), (712, 32378),

Gene: Doughnut_44 Start: 34142, Stop: 35242, Start Num: 158
Candidate Starts for Doughnut_44:
(Start: 158 @34142 has 315 MA's), (167, 34160), (Start: 189 @34193 has 14 MA's), (234, 34268), (Start: 252 @34304 has 15 MA's), (308, 34418), (322, 34442), (352, 34496), (429, 34637), (439, 34661), (440, 34664), (457, 34706), (510, 34814), (553, 34919), (594, 34964), (606, 34979), (688, 35171),

Gene: Dove_67 Start: 48492, Stop: 49721, Start Num: 136
Candidate Starts for Dove_67:
(Start: 136 @48492 has 29 MA's), (Start: 148 @48510 has 1 MA's), (Start: 170 @48549 has 1 MA's), (282, 48786), (329, 48894), (395, 49014), (396, 49017), (401, 49026), (406, 49041), (422, 49080), (458, 49158), (514, 49263), (520, 49275), (529, 49278), (533, 49287), (551, 49338), (553, 49341), (566, 49359), (617, 49455), (652, 49512), (684, 49632), (685, 49635), (690, 49659), (704, 49683), (705, 49686),

Gene: DrHayes_42 Start: 33376, Stop: 34464, Start Num: 158
Candidate Starts for DrHayes_42:
(50, 33154), (Start: 158 @33376 has 315 MA's), (Start: 189 @33427 has 14 MA's), (Start: 222 @33478 has 6 MA's), (234, 33502), (Start: 252 @33538 has 15 MA's), (308, 33652), (352, 33730), (406, 33814), (439, 33883), (440, 33886), (510, 34036), (553, 34141), (661, 34276), (704, 34420),

Gene: Drake55_36 Start: 26836, Stop: 25769, Start Num: 189
Candidate Starts for Drake55_36:
(Start: 101 @26953 has 2 MA's), (Start: 150 @26890 has 120 MA's), (Start: 189 @26836 has 14 MA's), (Start: 222 @26767 has 6 MA's), (242, 26722), (245, 26716), (284, 26650), (306, 26593), (356, 26503), (432, 26392), (439, 26368), (454, 26335), (457, 26323), (510, 26215), (512, 26212), (548, 26128), (549, 26122), (559, 26101), (570, 26086), (579, 26068), (678, 25882), (685, 25852), (687, 25846), (689, 25834), (707, 25795),

Gene: DreamEater_35 Start: 28536, Stop: 27415, Start Num: 166
Candidate Starts for DreamEater_35:
(Start: 166 @28536 has 2 MA's), (172, 28527), (Start: 256 @28365 has 84 MA's), (326, 28212), (348, 28170), (388, 28134), (406, 28089), (432, 28044), (450, 27996), (465, 27954), (467, 27951), (490, 27903), (510, 27870), (563, 27762), (673, 27570), (675, 27561), (712, 27450), (723, 27429),

Gene: DropBear_33 Start: 26364, Stop: 25237, Start Num: 150
Candidate Starts for DropBear_33:
(Start: 150 @26364 has 120 MA's), (203, 26277), (Start: 222 @26241 has 6 MA's), (242, 26196), (279, 26136), (322, 26040), (326, 26028), (329, 26022), (356, 25977), (401, 25923), (403, 25920), (410, 25896), (497, 25707), (510, 25689), (517, 25677), (535, 25638), (548, 25602), (549, 25596), (559, 25575), (570, 25560), (579, 25542), (665, 25404), (678, 25356), (685, 25326), (687, 25320), (689, 25308), (707, 25269),

Gene: DudeLittle_33 Start: 26423, Stop: 25302, Start Num: 154
Candidate Starts for DudeLittle_33:
(130, 26453), (Start: 154 @26423 has 8 MA's), (Start: 189 @26372 has 14 MA's), (Start: 222 @26303 has 6 MA's), (242, 26258), (322, 26102), (334, 26075), (356, 26039), (395, 25997), (403, 25982), (439, 25904), (454, 25871), (457, 25859), (463, 25841), (510, 25751), (517, 25739), (548, 25664), (549, 25658), (559, 25637), (570, 25622), (579, 25604), (600, 25577), (606, 25568), (678, 25418), (679, 25415), (685, 25388), (687, 25382), (689, 25370), (707, 25331),

Gene: Duke13_85 Start: 52764, Stop: 53993, Start Num: 136
Candidate Starts for Duke13_85:
(Start: 136 @52764 has 29 MA's), (Start: 148 @52782 has 1 MA's), (Start: 170 @52821 has 1 MA's), (282, 53058), (329, 53166), (395, 53286), (396, 53289), (401, 53298), (406, 53313), (422, 53352), (458, 53430), (514, 53535), (520, 53547), (529, 53550), (533, 53559), (551, 53610), (553, 53613), (566, 53631), (617, 53727), (652, 53784), (684, 53904), (685, 53907), (690, 53931), (704, 53955), (705, 53958),

Gene: Duplo_37 Start: 26512, Stop: 25388, Start Num: 150
Candidate Starts for Duplo_37:
(Start: 150 @26512 has 120 MA's), (Start: 189 @26458 has 14 MA's), (Start: 222 @26389 has 6 MA's), (322, 26188), (334, 26161), (356, 26125), (401, 26071), (403, 26068), (412, 26041), (439, 25990), (454, 25957), (457, 25945), (463, 25927), (497, 25855), (510, 25837), (517, 25825), (535, 25786), (548, 25750), (549, 25744), (559, 25723), (570, 25708), (579, 25690), (600, 25663), (665, 25552), (678, 25504), (679, 25501), (685, 25474), (687, 25468), (689, 25456), (707, 25417),

Gene: Durfee_41 Start: 32792, Stop: 33880, Start Num: 158
Candidate Starts for Durfee_41:
(Start: 158 @32792 has 315 MA's), (Start: 222 @32894 has 6 MA's), (234, 32918), (Start: 252 @32954 has 15 MA's), (322, 33092), (406, 33230), (439, 33299), (440, 33302), (510, 33452), (553, 33557), (661, 33692),

Gene: EMsquaredA_37 Start: 30030, Stop: 31136, Start Num: 158
Candidate Starts for EMsquaredA_37:
(Start: 114 @29973 has 10 MA's), (Start: 158 @30030 has 315 MA's), (Start: 189 @30081 has 14 MA's), (249, 30186), (254, 30195), (276, 30225), (405, 30459), (406, 30465), (439, 30534), (440, 30537), (454, 30567), (473, 30618), (477, 30630), (597, 30858), (638, 30918), (670, 30993), (677, 31023), (710, 31125),

Gene: EMsquaredA_36 Start: 28837, Stop: 29754, Start Num: 256
Candidate Starts for EMsquaredA_36:
(Start: 252 @28831 has 15 MA's), (Start: 256 @28837 has 84 MA's), (Start: 271 @28861 has 1 MA's), (309, 28957), (346, 29026), (347, 29032), (413, 29155), (450, 29218), (481, 29272), (486, 29281), (498, 29302), (504, 29311), (519, 29341), (535, 29365), (594, 29473), (609, 29494), (623, 29521),

Gene: Eagle_32 Start: 26273, Stop: 25152, Start Num: 150
Candidate Starts for Eagle_32:
(Start: 113 @26318 has 3 MA's), (135, 26291), (Start: 150 @26273 has 120 MA's), (Start: 194 @26204 has 8 MA's), (Start: 222 @26150 has 6 MA's), (329, 25931), (334, 25922), (356, 25886), (395, 25844), (401, 25832), (403, 25829), (439, 25751), (497, 25616), (510, 25598), (548, 25511), (549, 25505), (559, 25484), (570, 25469), (579, 25451), (665, 25313), (678, 25265), (685, 25235), (687, 25229), (689, 25217), (707, 25178),

Gene: Ebert_39 Start: 27799, Stop: 28881, Start Num: 155
Candidate Starts for Ebert_39:
(Start: 81 @27682 has 2 MA's), (Start: 83 @27688 has 6 MA's), (Start: 155 @27799 has 58 MA's), (Start: 189 @27853 has 14 MA's), (258, 27973), (401, 28228), (412, 28258), (440, 28318), (467, 28384), (477, 28408), (516, 28477), (533, 28513), (670, 28738), (676, 28765), (710, 28870),

Gene: Ecliptus_49 Start: 33668, Stop: 34762, Start Num: 158
Candidate Starts for Ecliptus_49:
(Start: 114 @33623 has 10 MA's), (Start: 158 @33668 has 315 MA's), (Start: 189 @33719 has 14 MA's), (235, 33797), (249, 33824), (329, 33983), (352, 34019), (396, 34079), (401, 34088), (403, 34091), (406, 34103), (412, 34118), (413, 34121), (443, 34184), (457, 34220), (471, 34253), (473, 34256), (477, 34268), (495, 34307), (582, 34463), (631, 34535), (670, 34595), (685, 34658), (688, 34670), (712, 34730),

Gene: EdnaMode_33 Start: 26384, Stop: 27466, Start Num: 155
Candidate Starts for EdnaMode_33:
(Start: 83 @26273 has 6 MA's), (Start: 155 @26384 has 58 MA's), (Start: 189 @26438 has 14 MA's), (258, 26558), (401, 26813), (412, 26843), (440, 26903), (467, 26969), (477, 26993), (670, 27323),

(676, 27350), (710, 27455),

Gene: Efra2_44 Start: 32569, Stop: 33669, Start Num: 158
Candidate Starts for Efra2_44:
(Start: 158 @32569 has 315 MA's), (Start: 189 @32620 has 14 MA's), (234, 32695), (Start: 252 @32731 has 15 MA's), (254, 32734), (308, 32845), (429, 33064), (439, 33088), (440, 33091), (495, 33220), (510, 33241), (553, 33346), (619, 33433), (661, 33481), (673, 33529),

Gene: Eileen_34 Start: 24892, Stop: 26034, Start Num: 158
Candidate Starts for Eileen_34:
(Start: 158 @24892 has 315 MA's), (349, 25246), (352, 25252), (363, 25267), (390, 25321), (412, 25378), (439, 25438), (440, 25441), (453, 25468), (477, 25531), (535, 25651), (550, 25699), (626, 25825), (636, 25837), (677, 25933), (701, 26008),

Gene: Ein37_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Ein37_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Ejimix_81 Start: 53852, Stop: 55081, Start Num: 136
Candidate Starts for Ejimix_81:
(Start: 136 @53852 has 29 MA's), (Start: 148 @53870 has 1 MA's), (Start: 170 @53909 has 1 MA's), (282, 54146), (329, 54254), (395, 54374), (396, 54377), (401, 54386), (406, 54401), (422, 54440), (458, 54518), (520, 54635), (529, 54638), (533, 54647), (551, 54698), (553, 54701), (566, 54719), (617, 54815), (652, 54872), (684, 54992), (685, 54995), (690, 55019), (704, 55043), (705, 55046),

Gene: EleanorGeorge_40 Start: 31639, Stop: 32757, Start Num: 158
Candidate Starts for EleanorGeorge_40:
(Start: 158 @31639 has 315 MA's), (Start: 163 @31648 has 3 MA's), (Start: 252 @31810 has 15 MA's), (329, 31975), (352, 32011), (359, 32020), (412, 32125), (441, 32194), (457, 32233), (463, 32251), (465, 32254), (471, 32266), (473, 32269), (477, 32281), (483, 32296), (495, 32320), (499, 32326), (514, 32347), (533, 32383), (535, 32386), (548, 32422), (549, 32428), (555, 32443), (566, 32458), (619, 32527), (629, 32542), (664, 32584), (674, 32629), (677, 32638), (687, 32677), (690, 32695), (703, 32716), (707, 32731), (710, 32740), (712, 32743),

Gene: Emerson_42 Start: 32470, Stop: 33558, Start Num: 158
Candidate Starts for Emerson_42:
(Start: 158 @32470 has 315 MA's), (Start: 189 @32521 has 14 MA's), (Start: 222 @32572 has 6 MA's), (234, 32596), (Start: 252 @32632 has 15 MA's), (322, 32770), (352, 32824), (406, 32908), (439, 32977), (440, 32980), (510, 33130), (545, 33208), (553, 33235), (619, 33322), (661, 33370),

Gene: Emma_44 Start: 32666, Stop: 33784, Start Num: 158
Candidate Starts for Emma_44:
(Start: 158 @32666 has 315 MA's), (Start: 163 @32675 has 3 MA's), (Start: 252 @32837 has 15 MA's), (278, 32885), (329, 33002), (352, 33038), (359, 33047), (412, 33152), (441, 33221), (457, 33260), (463, 33278), (465, 33281), (471, 33293), (473, 33296), (477, 33308), (483, 33323), (495, 33347), (499, 33353), (514, 33374), (533, 33410), (535, 33413), (548, 33449), (549, 33455), (553, 33467), (555, 33470), (566, 33485), (619, 33554), (629, 33569), (650, 33587), (664, 33611), (674,

33656), (677, 33665), (687, 33704), (690, 33722), (703, 33743), (707, 33758), (710, 33767), (712, 33770),

Gene: EnalisNailo_34 Start: 29811, Stop: 30734, Start Num: 252
Candidate Starts for EnalisNailo_34:
(Start: 252 @29811 has 15 MA's), (Start: 256 @29817 has 84 MA's), (Start: 271 @29841 has 1 MA's), (309, 29937), (347, 30012), (395, 30084), (413, 30135), (450, 30198), (481, 30252), (486, 30261), (498, 30282), (504, 30291), (519, 30321), (549, 30387), (594, 30453), (609, 30474), (623, 30501), (650, 30537),

Gene: EnalisNailo_35 Start: 31003, Stop: 32085, Start Num: 155
Candidate Starts for EnalisNailo_35:
(Start: 155 @31003 has 58 MA's), (Start: 228 @31120 has 1 MA's), (278, 31213), (401, 31435), (415, 31471), (440, 31525), (469, 31594), (473, 31603), (670, 31942), (676, 31969), (710, 32074),

Gene: Enby_42 Start: 31168, Stop: 32286, Start Num: 158
Candidate Starts for Enby_42:
(Start: 158 @31168 has 315 MA's), (Start: 163 @31177 has 3 MA's), (Start: 252 @31339 has 15 MA's), (329, 31504), (352, 31540), (359, 31549), (403, 31630), (412, 31654), (441, 31723), (457, 31762), (463, 31780), (465, 31783), (471, 31795), (473, 31798), (477, 31810), (495, 31849), (499, 31855), (514, 31876), (533, 31912), (535, 31915), (548, 31951), (549, 31957), (555, 31972), (619, 32056), (629, 32071), (650, 32089), (674, 32158), (677, 32167), (687, 32206), (690, 32224), (703, 32245), (707, 32260), (710, 32269), (712, 32272),

Gene: Enkosi_39 Start: 34589, Stop: 35683, Start Num: 158
Candidate Starts for Enkosi_39:
(26, 34238), (Start: 29 @34253 has 1 MA's), (45, 34346), (50, 34367), (78, 34460), (Start: 158 @34589 has 315 MA's), (Start: 189 @34640 has 14 MA's), (234, 34715), (Start: 252 @34751 has 15 MA's), (299, 34847), (308, 34865), (322, 34889), (349, 34937), (352, 34943), (426, 35075), (439, 35108), (457, 35153), (510, 35261), (553, 35366), (606, 35426), (661, 35501), (688, 35609), (704, 35645),

Gene: Enzomatic_49 Start: 32594, Stop: 33712, Start Num: 158
Candidate Starts for Enzomatic_49:
(Start: 158 @32594 has 315 MA's), (235, 32732), (Start: 252 @32765 has 15 MA's), (278, 32813), (352, 32966), (359, 32975), (412, 33080), (441, 33149), (465, 33209), (471, 33221), (473, 33224), (483, 33251), (495, 33275), (514, 33302), (533, 33338), (535, 33341), (548, 33377), (549, 33383), (553, 33395), (555, 33398), (619, 33482), (629, 33497), (664, 33539), (674, 33584), (677, 33593), (687, 33632), (690, 33650), (703, 33671), (707, 33686), (710, 33695), (712, 33698),

Gene: EpicPhail_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for EpicPhail_36:
(Start: 150 @26790 has 120 MA's), (Start: 179 @26751 has 10 MA's), (203, 26703), (Start: 222 @26667 has 6 MA's), (242, 26622), (322, 26466), (334, 26439), (356, 26403), (403, 26346), (439, 26268), (450, 26244), (463, 26205), (497, 26133), (505, 26121), (510, 26115), (517, 26103), (548, 26028), (549, 26022), (559, 26001), (570, 25986), (579, 25968), (598, 25944), (665, 25830), (677, 25785), (678, 25782), (681, 25773), (685, 25752), (687, 25746), (689, 25734), (707, 25695),

Gene: Equemioh13_35 Start: 26811, Stop: 25678, Start Num: 150
Candidate Starts for Equemioh13_35:
(Start: 150 @26811 has 120 MA's), (Start: 189 @26757 has 14 MA's), (Start: 222 @26688 has 6 MA's), (242, 26643), (322, 26487), (334, 26460), (356, 26424), (403, 26367), (457, 26244), (463, 26226), (510, 26136), (517, 26124), (548, 26049), (549, 26043), (559, 26022), (570, 26007), (579, 25989), (600, 25962), (606, 25953), (665, 25851), (678, 25803), (685, 25773), (687, 25767), (689,

25755), (707, 25716),

Gene: EricMillard_80 Start: 53055, Stop: 54284, Start Num: 136
Candidate Starts for EricMillard_80:
(Start: 136 @53055 has 29 MA's), (Start: 148 @53073 has 1 MA's), (Start: 170 @53112 has 1 MA's), (282, 53349), (329, 53457), (395, 53577), (396, 53580), (401, 53589), (406, 53604), (422, 53643), (458, 53721), (514, 53826), (520, 53838), (529, 53841), (533, 53850), (551, 53901), (553, 53904), (566, 53922), (617, 54018), (652, 54075), (684, 54195), (685, 54198), (690, 54222), (704, 54246), (705, 54249),

Gene: Estave1_43 Start: 31907, Stop: 33010, Start Num: 158
Candidate Starts for Estave1_43:
(Start: 158 @31907 has 315 MA's), (Start: 189 @31955 has 14 MA's), (235, 32036), (246, 32063), (352, 32276), (371, 32300), (403, 32348), (439, 32429), (467, 32498), (471, 32507), (483, 32537), (495, 32561), (510, 32582), (545, 32660), (549, 32675), (597, 32735), (619, 32774), (629, 32789), (648, 32813), (664, 32840), (670, 32864), (674, 32885), (677, 32894), (688, 32939), (690, 32951),

Gene: Eudoria_39 Start: 30563, Stop: 31645, Start Num: 155
Candidate Starts for Eudoria_39:
(Start: 83 @30452 has 6 MA's), (Start: 155 @30563 has 58 MA's), (Start: 189 @30617 has 14 MA's), (258, 30737), (401, 30992), (412, 31022), (440, 31082), (467, 31148), (477, 31172), (670, 31502), (676, 31529), (710, 31634),

Gene: Eurydice_33 Start: 26248, Stop: 25127, Start Num: 150
Candidate Starts for Eurydice_33:
(Start: 113 @26293 has 3 MA's), (135, 26266), (Start: 150 @26248 has 120 MA's), (Start: 194 @26179 has 8 MA's), (Start: 222 @26125 has 6 MA's), (329, 25906), (334, 25897), (356, 25861), (395, 25819), (401, 25807), (403, 25804), (439, 25726), (497, 25591), (510, 25573), (548, 25486), (549, 25480), (559, 25459), (570, 25444), (579, 25426), (665, 25288), (678, 25240), (685, 25210), (687, 25204), (689, 25192), (707, 25153),

Gene: Evanesce_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Evanesce_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: EvePickles_38 Start: 28599, Stop: 27466, Start Num: 158
Candidate Starts for EvePickles_38:
(60, 28782), (71, 28752), (Start: 158 @28599 has 315 MA's), (Start: 189 @28548 has 14 MA's), (248, 28434), (278, 28392), (282, 28380), (290, 28362), (345, 28248), (359, 28230), (395, 28167), (403, 28152), (406, 28140), (439, 28065), (443, 28056), (467, 27996), (501, 27921), (511, 27906), (583, 27756), (585, 27753), (664, 27636), (670, 27612), (673, 27597), (687, 27543), (692, 27522), (706, 27492),

Gene: Eviarto_39 Start: 31988, Stop: 33070, Start Num: 155
Candidate Starts for Eviarto_39:
(Start: 83 @31877 has 6 MA's), (Start: 155 @31988 has 58 MA's), (Start: 189 @32042 has 14 MA's), (258, 32162), (396, 32408), (401, 32417), (412, 32447), (440, 32507), (467, 32573), (477, 32597),

(670, 32927), (676, 32954), (710, 33059),

Gene: EvilGenius_36 Start: 28005, Stop: 27007, Start Num: 222
Candidate Starts for EvilGenius_36:
(Start: 133 @28152 has 7 MA's), (Start: 146 @28134 has 6 MA's), (Start: 194 @28053 has 8 MA's), (Start: 222 @28005 has 6 MA's), (242, 27960), (322, 27804), (334, 27777), (356, 27741), (403, 27684), (439, 27606), (454, 27573), (457, 27561), (463, 27543), (510, 27453), (517, 27441), (548, 27366), (549, 27360), (559, 27339), (570, 27324), (579, 27306), (600, 27279), (606, 27270), (665, 27168), (678, 27120), (679, 27117), (685, 27090), (687, 27084), (689, 27072), (707, 27033),

Gene: Faith5x5_30 Start: 24997, Stop: 26145, Start Num: 102
Candidate Starts for Faith5x5_30:
(Start: 102 @24997 has 2 MA's), (125, 25027), (Start: 151 @25060 has 1 MA's), (209, 25147), (249, 25219), (457, 25615), (473, 25651), (475, 25654), (477, 25663), (535, 25777), (631, 25942), (670, 26002), (688, 26077), (710, 26134),

Gene: Faja_39 Start: 29043, Stop: 27904, Start Num: 158
Candidate Starts for Faja_39:
(Start: 158 @29043 has 315 MA's), (Start: 189 @28992 has 14 MA's), (282, 28824), (290, 28806), (359, 28674), (403, 28596), (406, 28584), (408, 28578), (439, 28509), (443, 28500), (467, 28440), (511, 28350), (555, 28245), (571, 28224), (585, 28197), (664, 28074), (670, 28050), (673, 28035), (706, 27930),

Gene: Fameo_34 Start: 26494, Stop: 25430, Start Num: 189
Candidate Starts for Fameo_34:
(130, 26575), (Start: 154 @26545 has 8 MA's), (Start: 189 @26494 has 14 MA's), (Start: 222 @26425 has 6 MA's), (242, 26380), (322, 26224), (334, 26197), (356, 26161), (403, 26104), (439, 26026), (454, 25993), (457, 25981), (463, 25963), (510, 25873), (517, 25861), (549, 25780), (559, 25759), (570, 25744), (579, 25726), (600, 25699), (665, 25588), (677, 25543), (678, 25540), (679, 25537), (685, 25510), (687, 25504), (689, 25492), (707, 25453),

Gene: Farber_36 Start: 26744, Stop: 25638, Start Num: 179
Candidate Starts for Farber_36:
(Start: 150 @26783 has 120 MA's), (Start: 179 @26744 has 10 MA's), (Start: 222 @26660 has 6 MA's), (242, 26615), (322, 26459), (334, 26432), (356, 26396), (403, 26339), (439, 26261), (450, 26237), (463, 26198), (497, 26126), (505, 26114), (510, 26108), (517, 26096), (548, 26021), (549, 26015), (559, 25994), (570, 25979), (579, 25961), (598, 25937), (665, 25823), (677, 25778), (678, 25775), (681, 25766), (685, 25745), (687, 25739), (689, 25727), (707, 25688),

Gene: Farewell_44 Start: 33396, Stop: 34574, Start Num: 161
Candidate Starts for Farewell_44:
(Start: 161 @33396 has 5 MA's), (Start: 189 @33444 has 14 MA's), (229, 33510), (Start: 252 @33555 has 15 MA's), (326, 33705), (352, 33747), (406, 33861), (415, 33888), (439, 33936), (440, 33939), (473, 34020), (477, 34032), (532, 34137), (548, 34179), (551, 34194), (561, 34209), (583, 34233), (661, 34344), (676, 34404), (703, 34485), (706, 34497), (722, 34536),

Gene: Fernando_36 Start: 26750, Stop: 25644, Start Num: 179
Candidate Starts for Fernando_36:
(Start: 150 @26789 has 120 MA's), (Start: 179 @26750 has 10 MA's), (203, 26702), (Start: 222 @26666 has 6 MA's), (242, 26621), (322, 26465), (334, 26438), (356, 26402), (403, 26345), (439, 26267), (450, 26243), (463, 26204), (497, 26132), (505, 26120), (510, 26114), (517, 26102), (548, 26027), (549, 26021), (559, 26000), (570, 25985), (579, 25967), (598, 25943), (665, 25829), (677, 25784), (678, 25781), (681, 25772), (685, 25751), (687, 25745), (689, 25733), (707, 25694),

Gene: Filuzino_41 Start: 31324, Stop: 32442, Start Num: 158
Candidate Starts for Filuzino_41:
(Start: 158 @31324 has 315 MA's), (Start: 252 @31495 has 15 MA's), (329, 31660), (352, 31696), (359, 31705), (412, 31810), (441, 31879), (457, 31918), (465, 31939), (471, 31951), (473, 31954), (477, 31966), (483, 31981), (495, 32005), (499, 32011), (514, 32032), (533, 32068), (535, 32071), (548, 32107), (549, 32113), (555, 32128), (566, 32143), (619, 32212), (629, 32227), (650, 32245), (664, 32269), (674, 32314), (677, 32323), (687, 32362), (690, 32380), (703, 32401), (707, 32416), (710, 32425), (712, 32428),

Gene: Findley_43 Start: 34310, Stop: 35410, Start Num: 158
Candidate Starts for Findley_43:
(Start: 158 @34310 has 315 MA's), (167, 34328), (Start: 189 @34361 has 14 MA's), (234, 34436), (Start: 252 @34472 has 15 MA's), (308, 34586), (322, 34610), (352, 34664), (429, 34805), (439, 34829), (440, 34832), (457, 34874), (510, 34982), (553, 35087), (594, 35132), (606, 35147), (688, 35339),

Gene: Finkle_45 Start: 32773, Stop: 31643, Start Num: 192
Candidate Starts for Finkle_45:
(162, 32830), (Start: 192 @32773 has 2 MA's), (204, 32749), (218, 32716), (290, 32554), (361, 32419), (364, 32416), (388, 32350), (422, 32266), (432, 32257), (440, 32230), (456, 32188), (467, 32161), (522, 32056), (559, 31972), (625, 31870), (656, 31846), (671, 31795), (674, 31777), (680, 31759), (685, 31735), (688, 31723),

Gene: FiringLine_34 Start: 26370, Stop: 25255, Start Num: 154
Candidate Starts for FiringLine_34:
(130, 26400), (Start: 154 @26370 has 8 MA's), (Start: 222 @26250 has 6 MA's), (242, 26205), (322, 26049), (334, 26022), (356, 25986), (395, 25944), (403, 25929), (454, 25818), (457, 25806), (463, 25788), (510, 25698), (517, 25686), (548, 25611), (549, 25605), (559, 25584), (570, 25569), (579, 25551), (600, 25524), (606, 25515), (665, 25413), (677, 25368), (678, 25365), (679, 25362), (685, 25335), (687, 25329), (689, 25317), (707, 25278),

Gene: Flare16_34 Start: 26449, Stop: 25382, Start Num: 189
Candidate Starts for Flare16_34:
(Start: 101 @26566 has 2 MA's), (Start: 150 @26503 has 120 MA's), (Start: 189 @26449 has 14 MA's), (Start: 222 @26380 has 6 MA's), (242, 26335), (305, 26209), (334, 26152), (356, 26116), (401, 26062), (403, 26059), (457, 25936), (463, 25918), (510, 25828), (517, 25816), (548, 25741), (549, 25735), (559, 25714), (570, 25699), (579, 25681), (600, 25654), (678, 25495), (685, 25465), (687, 25459), (689, 25447), (707, 25408),

Gene: Flathead_44 Start: 33580, Stop: 34698, Start Num: 158
Candidate Starts for Flathead_44:
(Start: 158 @33580 has 315 MA's), (Start: 163 @33589 has 3 MA's), (Start: 252 @33751 has 15 MA's), (329, 33916), (352, 33952), (359, 33961), (412, 34066), (441, 34135), (457, 34174), (463, 34192), (465, 34195), (471, 34207), (473, 34210), (477, 34222), (483, 34237), (495, 34261), (499, 34267), (514, 34288), (533, 34324), (535, 34327), (548, 34363), (549, 34369), (553, 34381), (555, 34384), (619, 34468), (629, 34483), (650, 34501), (664, 34525), (674, 34570), (677, 34579), (687, 34618), (690, 34636), (703, 34657), (707, 34672), (710, 34681), (712, 34684),

Gene: Floral_36 Start: 32103, Stop: 33209, Start Num: 158
Candidate Starts for Floral_36:
(Start: 114 @32046 has 10 MA's), (Start: 158 @32103 has 315 MA's), (Start: 189 @32154 has 14 MA's), (249, 32259), (276, 32298), (406, 32538), (439, 32607), (440, 32610), (454, 32640), (473,

32691), (477, 32703), (597, 32931), (638, 32991), (670, 33066), (677, 33096), (710, 33198),

Gene: Floral_35 Start: 30904, Stop: 31827, Start Num: 252
Candidate Starts for Floral_35:
(Start: 252 @30904 has 15 MA's), (Start: 256 @30910 has 84 MA's), (Start: 271 @30934 has 1 MA's), (309, 31030), (346, 31099), (347, 31105), (413, 31228), (450, 31291), (481, 31345), (486, 31354), (498, 31375), (504, 31384), (519, 31414), (535, 31438), (594, 31546), (609, 31567), (623, 31594),

Gene: Footloose_31 Start: 22512, Stop: 21292, Start Num: 126
Candidate Starts for Footloose_31:
(Start: 126 @22512 has 1 MA's), (Start: 152 @22473 has 2 MA's), (165, 22455), (Start: 175 @22437 has 7 MA's), (202, 22386), (229, 22350), (285, 22254), (323, 22170), (335, 22143), (350, 22119), (380, 22077), (388, 22062), (406, 22017), (422, 21978), (439, 21945), (467, 21879), (469, 21876), (477, 21855), (511, 21789), (555, 21687), (561, 21678), (580, 21648), (596, 21621), (613, 21594), (625, 21567), (632, 21555), (647, 21537), (664, 21501), (670, 21477), (687, 21408), (690, 21390), (704, 21366), (712, 21342),

Gene: Forge_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Forge_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: FosterFrank_40 Start: 26544, Stop: 27686, Start Num: 158
Candidate Starts for FosterFrank_40:
(75, 26397), (79, 26409), (80, 26418), (97, 26451), (127, 26499), (137, 26514), (Start: 158 @26544 has 315 MA's), (349, 26898), (352, 26904), (365, 26922), (412, 27030), (439, 27090), (477, 27183), (535, 27303), (550, 27351), (569, 27381), (626, 27477), (677, 27585), (701, 27660),

Gene: FosterFrank_36 Start: 24468, Stop: 25388, Start Num: 256
Candidate Starts for FosterFrank_36:
(Start: 256 @24468 has 84 MA's), (325, 24624), (334, 24642), (340, 24654), (417, 24801), (421, 24810), (447, 24849), (486, 24918), (491, 24924), (511, 24957), (531, 24999), (550, 25050), (671, 25242), (677, 25269), (679, 25275), (706, 25356), (707, 25359),

Gene: Fred313_33 Start: 26049, Stop: 24922, Start Num: 150
Candidate Starts for Fred313_33:
(Start: 150 @26049 has 120 MA's), (203, 25962), (Start: 222 @25926 has 6 MA's), (242, 25881), (279, 25821), (322, 25725), (326, 25713), (329, 25707), (356, 25662), (401, 25608), (403, 25605), (410, 25581), (497, 25392), (510, 25374), (517, 25362), (535, 25323), (548, 25287), (549, 25281), (559, 25260), (570, 25245), (579, 25227), (665, 25089), (678, 25041), (685, 25011), (687, 25005), (689, 24993), (707, 24954),

Gene: Frickyeah_52 Start: 32012, Stop: 33106, Start Num: 158
Candidate Starts for Frickyeah_52:
(93, 31925), (116, 31961), (Start: 158 @32012 has 315 MA's), (Start: 189 @32063 has 14 MA's), (233, 32135), (235, 32141), (249, 32168), (294, 32255), (329, 32327), (352, 32363), (359, 32372), (406, 32447), (413, 32465), (457, 32564), (471, 32597), (473, 32600), (477, 32612), (535, 32714), (561, 32780), (582, 32807), (631, 32879), (670, 32939), (676, 32966), (712, 33074),

Gene: Fruitloop_40 Start: 32560, Stop: 33678, Start Num: 158
Candidate Starts for Fruitloop_40:
(Start: 158 @32560 has 315 MA's), (Start: 252 @32731 has 15 MA's), (329, 32896), (352, 32932), (359, 32941), (403, 33022), (412, 33046), (441, 33115), (457, 33154), (465, 33175), (471, 33187), (473, 33190), (477, 33202), (483, 33217), (495, 33241), (499, 33247), (514, 33268), (533, 33304), (535, 33307), (548, 33343), (549, 33349), (555, 33364), (566, 33379), (619, 33448), (629, 33463), (664, 33505), (674, 33550), (677, 33559), (687, 33598), (690, 33616), (703, 33637), (707, 33652), (710, 33661), (712, 33664),

Gene: GMA1_30 Start: 24152, Stop: 23064, Start Num: 158
Candidate Starts for GMA1_30:
(Start: 158 @24152 has 315 MA's), (323, 23858), (353, 23798), (403, 23723), (406, 23711), (432, 23663), (439, 23642), (441, 23636), (469, 23567), (473, 23558), (477, 23546), (500, 23498), (545, 23414), (569, 23363), (587, 23336), (606, 23315), (638, 23267), (658, 23249), (670, 23207), (673, 23192), (675, 23183), (676, 23180), (677, 23177), (690, 23120), (710, 23075),

Gene: GUPitcher_34 Start: 28767, Stop: 27628, Start Num: 166
Candidate Starts for GUPitcher_34:
(Start: 166 @28767 has 2 MA's), (203, 28701), (240, 28626), (250, 28605), (277, 28560), (309, 28476), (339, 28419), (348, 28401), (388, 28365), (401, 28335), (406, 28320), (410, 28308), (418, 28287), (439, 28251), (440, 28248), (450, 28227), (465, 28185), (467, 28182), (477, 28158), (497, 28119), (510, 28101), (563, 27993), (597, 27942), (643, 27870), (673, 27801), (674, 27795), (675, 27792), (723, 27660), (729, 27654),

Gene: Gaia_52 Start: 37562, Stop: 38833, Start Num: 114
Candidate Starts for Gaia_52:
(Start: 114 @37562 has 10 MA's), (Start: 148 @37610 has 1 MA's), (Start: 170 @37649 has 1 MA's), (298, 37928), (368, 38045), (395, 38114), (396, 38117), (401, 38126), (412, 38156), (443, 38222), (458, 38258), (470, 38285), (471, 38288), (477, 38303), (479, 38309), (499, 38342), (511, 38357), (513, 38360), (514, 38363), (520, 38375), (529, 38393), (533, 38402), (549, 38444), (550, 38450), (551, 38453), (576, 38498), (617, 38570), (655, 38636), (664, 38663), (684, 38747), (685, 38750), (692, 38777), (704, 38798),

Gene: Galactic_43 Start: 32779, Stop: 33897, Start Num: 158
Candidate Starts for Galactic_43:
(Start: 158 @32779 has 315 MA's), (Start: 163 @32788 has 3 MA's), (Start: 252 @32950 has 15 MA's), (329, 33115), (352, 33151), (359, 33160), (412, 33265), (441, 33334), (457, 33373), (463, 33391), (465, 33394), (471, 33406), (473, 33409), (477, 33421), (483, 33436), (495, 33460), (499, 33466), (514, 33487), (533, 33523), (535, 33526), (548, 33562), (549, 33568), (555, 33583), (566, 33598), (619, 33667), (629, 33682), (664, 33724), (674, 33769), (677, 33778), (687, 33817), (690, 33835), (703, 33856), (707, 33871), (710, 33880), (712, 33883),

Gene: Gallop_33 Start: 28238, Stop: 27153, Start Num: 184
Candidate Starts for Gallop_33:
(184, 28238), (210, 28190), (343, 27896), (403, 27815), (430, 27764), (499, 27599), (535, 27539), (549, 27500), (563, 27476), (578, 27440), (581, 27437), (598, 27410), (639, 27362), (670, 27293), (674, 27272), (675, 27269), (676, 27266), (685, 27230), (699, 27191), (704, 27182), (709, 27167), (714, 27161),

Gene: Gancho_28 Start: 26243, Stop: 25008, Start Num: 160
Candidate Starts for Gancho_28:

(Start: 160 @26243 has 2 MA's), (Start: 187 @26201 has 20 MA's), (216, 26135), (246, 26066), (251, 26054), (267, 26015), (276, 26000), (278, 25994), (282, 25982), (304, 25922), (334, 25865), (357, 25832), (359, 25829), (360, 25826), (406, 25712), (412, 25697), (422, 25673), (431, 25658), (436, 25643), (450, 25619), (454, 25607), (467, 25568), (469, 25565), (485, 25529), (514, 25481), (516, 25478), (548, 25406), (549, 25400), (553, 25388), (555, 25385), (559, 25379), (588, 25325), (604, 25304), (617, 25277), (627, 25259), (630, 25253), (662, 25208), (668, 25181), (670, 25175), (677, 25145), (683, 25118), (706, 25055),

Gene: Ganymede_42 Start: 32781, Stop: 33869, Start Num: 158
Candidate Starts for Ganymede_42:
(Start: 158 @32781 has 315 MA's), (Start: 222 @32883 has 6 MA's), (234, 32907), (Start: 252 @32943 has 15 MA's), (322, 33081), (352, 33135), (406, 33219), (439, 33288), (440, 33291), (510, 33441), (553, 33546), (619, 33633), (641, 33663), (661, 33681), (704, 33825),

Gene: GaugeLDP_35 Start: 27254, Stop: 26070, Start Num: 101
Candidate Starts for GaugeLDP_35:
(Start: 101 @27254 has 2 MA's), (Start: 150 @27191 has 120 MA's), (Start: 189 @27137 has 14 MA's), (Start: 222 @27068 has 6 MA's), (242, 27023), (306, 26894), (356, 26804), (432, 26693), (510, 26516), (517, 26504), (548, 26429), (549, 26423), (559, 26402), (570, 26387), (579, 26369), (665, 26231), (678, 26183), (679, 26180), (685, 26153), (687, 26147), (689, 26135), (707, 26096),

Gene: GemG_37 Start: 27875, Stop: 28957, Start Num: 155
Candidate Starts for GemG_37:
(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (516, 28553), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: Gemma_35 Start: 26639, Stop: 25494, Start Num: 150
Candidate Starts for Gemma_35:
(Start: 101 @26702 has 2 MA's), (Start: 150 @26639 has 120 MA's), (Start: 189 @26585 has 14 MA's), (Start: 222 @26516 has 6 MA's), (329, 26297), (334, 26288), (356, 26252), (403, 26195), (439, 26117), (454, 26084), (497, 25982), (510, 25964), (517, 25952), (548, 25877), (549, 25871), (559, 25850), (570, 25835), (579, 25817), (598, 25793), (677, 25634), (678, 25631), (685, 25601), (687, 25595), (689, 25583), (707, 25544),

Gene: Georgie2_35 Start: 26415, Stop: 25300, Start Num: 154
Candidate Starts for Georgie2_35:
(130, 26445), (Start: 154 @26415 has 8 MA's), (Start: 222 @26295 has 6 MA's), (242, 26250), (322, 26094), (334, 26067), (356, 26031), (395, 25989), (403, 25974), (439, 25896), (454, 25863), (457, 25851), (463, 25833), (510, 25743), (517, 25731), (548, 25656), (549, 25650), (559, 25629), (570, 25614), (579, 25596), (600, 25569), (665, 25458), (677, 25413), (678, 25410), (679, 25407), (685, 25380), (687, 25374), (689, 25362), (707, 25323),

Gene: Geraldini_43 Start: 33527, Stop: 34615, Start Num: 158
Candidate Starts for Geraldini_43:
(Start: 158 @33527 has 315 MA's), (Start: 222 @33629 has 6 MA's), (234, 33653), (Start: 252 @33689 has 15 MA's), (322, 33827), (352, 33881), (406, 33965), (439, 34034), (440, 34037), (510, 34187), (553, 34292), (619, 34379), (661, 34427), (704, 34571),

Gene: Getalong_53 Start: 34783, Stop: 35853, Start Num: 158
Candidate Starts for Getalong_53:
(Start: 158 @34783 has 315 MA's), (Start: 189 @34834 has 14 MA's), (235, 34912), (249, 34939), (352, 35134), (359, 35143), (396, 35194), (401, 35203), (403, 35206), (406, 35218), (427, 35263),

(443, 35299), (457, 35335), (471, 35368), (473, 35371), (477, 35383), (561, 35551), (631, 35650), (670, 35710), (676, 35737), (677, 35740), (683, 35767), (685, 35773), (688, 35785), (710, 35842),

Gene: Gibbzilla_34 Start: 22108, Stop: 23028, Start Num: 256
Candidate Starts for Gibbzilla_34:
(Start: 256 @22108 has 84 MA's), (303, 22222), (334, 22282), (388, 22363), (417, 22441), (447, 22489), (476, 22534), (486, 22558), (491, 22564), (494, 22573), (498, 22579), (511, 22597), (539, 22651), (550, 22690), (553, 22696), (564, 22708), (609, 22774), (623, 22801), (667, 22870), (673, 22894), (677, 22909),

Gene: Gibbzilla_37 Start: 25123, Stop: 23969, Start Num: 158
Candidate Starts for Gibbzilla_37:
(Start: 158 @25123 has 315 MA's), (191, 25069), (308, 24820), (329, 24775), (341, 24754), (343, 24751), (406, 24628), (412, 24613), (450, 24532), (451, 24529), (454, 24523), (523, 24370), (548, 24316), (557, 24292), (569, 24274), (583, 24247), (619, 24193), (626, 24178), (674, 24079), (688, 24025), (701, 23995),

Gene: Giles_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Giles_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: GingkoMaracino_36 Start: 26637, Stop: 25531, Start Num: 179
Candidate Starts for GingkoMaracino_36:
(Start: 150 @26676 has 120 MA's), (Start: 179 @26637 has 10 MA's), (203, 26589), (Start: 222 @26553 has 6 MA's), (242, 26508), (322, 26352), (334, 26325), (356, 26289), (403, 26232), (439, 26154), (450, 26130), (463, 26091), (497, 26019), (505, 26007), (510, 26001), (517, 25989), (548, 25914), (549, 25908), (559, 25887), (570, 25872), (579, 25854), (598, 25830), (665, 25716), (677, 25671), (678, 25668), (681, 25659), (685, 25638), (687, 25632), (689, 25620), (707, 25581),

Gene: Giroux_34 Start: 26296, Stop: 25169, Start Num: 150
Candidate Starts for Giroux_34:
(Start: 150 @26296 has 120 MA's), (203, 26209), (Start: 222 @26173 has 6 MA's), (242, 26128), (322, 25972), (326, 25960), (329, 25954), (356, 25909), (401, 25855), (403, 25852), (410, 25828), (510, 25621), (517, 25609), (535, 25570), (548, 25534), (549, 25528), (559, 25507), (570, 25492), (579, 25474), (665, 25336), (678, 25288), (685, 25258), (687, 25252), (689, 25240), (707, 25201),

Gene: Gizermo_37 Start: 27758, Stop: 28957, Start Num: 81
Candidate Starts for Gizermo_37:
(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (516, 28553), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: Globfish_36 Start: 24791, Stop: 25729, Start Num: 247
Candidate Starts for Globfish_36:
(Start: 236 @24767 has 1 MA's), (Start: 247 @24791 has 1 MA's), (Start: 256 @24809 has 84 MA's), (334, 24983), (340, 24995), (417, 25142), (421, 25151), (447, 25190), (476, 25235), (486, 25259), (491, 25265), (511, 25298), (531, 25340), (537, 25349), (539, 25352), (553, 25397), (609, 25475),

(673, 25595), (677, 25610), (707, 25700),

Gene: Globfish_39 Start: 27492, Stop: 26353, Start Num: 158
Candidate Starts for Globfish_39:
(Start: 158 @27492 has 315 MA's), (Start: 189 @27441 has 14 MA's), (248, 27327), (282, 27273), (290, 27255), (345, 27141), (359, 27123), (403, 27045), (406, 27033), (439, 26958), (443, 26949), (467, 26889), (511, 26799), (553, 26697), (559, 26688), (571, 26673), (583, 26649), (585, 26646), (664, 26529), (670, 26505), (673, 26490), (690, 26418), (692, 26415), (712, 26370),

Gene: GlobiWarming_35 Start: 24310, Stop: 25230, Start Num: 256
Candidate Starts for GlobiWarming_35:
(196, 24181), (200, 24187), (Start: 256 @24310 has 84 MA's), (325, 24466), (334, 24484), (340, 24496), (417, 24643), (421, 24652), (447, 24691), (486, 24760), (491, 24766), (511, 24799), (531, 24841), (667, 25072), (673, 25096), (677, 25111), (679, 25117), (706, 25198), (707, 25201),

Gene: GlobiWarming_38 Start: 26068, Stop: 27210, Start Num: 158
Candidate Starts for GlobiWarming_38:
(Start: 158 @26068 has 315 MA's), (349, 26422), (352, 26428), (365, 26446), (412, 26554), (439, 26614), (477, 26707), (535, 26827), (550, 26875), (569, 26905), (626, 27001), (677, 27109), (701, 27184),

Gene: Goib_39 Start: 28036, Stop: 26921, Start Num: 197
Candidate Starts for Goib_39:
(162, 28105), (Start: 197 @28036 has 12 MA's), (372, 27697), (388, 27664), (525, 27370), (536, 27358), (617, 27178), (687, 26980),

Gene: Gonephishing_76 Start: 48662, Stop: 49951, Start Num: 102
Candidate Starts for Gonephishing_76:
(82, 48620), (Start: 102 @48662 has 2 MA's), (Start: 114 @48677 has 10 MA's), (117, 48680), (Start: 148 @48725 has 1 MA's), (Start: 170 @48764 has 1 MA's), (356, 49145), (395, 49229), (403, 49244), (458, 49373), (529, 49493), (553, 49556), (566, 49574), (576, 49598), (617, 49670), (684, 49847), (685, 49850), (687, 49856), (690, 49874), (699, 49889), (704, 49898), (705, 49901), (726, 49946),

Gene: GoodLuckBabe_36 Start: 26660, Stop: 27622, Start Num: 236
Candidate Starts for GoodLuckBabe_36:
(Start: 236 @26660 has 1 MA's), (Start: 256 @26702 has 84 MA's), (325, 26858), (334, 26876), (340, 26888), (382, 26945), (417, 27035), (421, 27044), (447, 27083), (481, 27143), (486, 27152), (491, 27158), (511, 27191), (531, 27233), (539, 27245), (550, 27284), (667, 27464), (673, 27488), (677, 27503), (679, 27509), (706, 27590), (707, 27593),

Gene: Gorge_43 Start: 32137, Stop: 33255, Start Num: 158
Candidate Starts for Gorge_43:
(Start: 158 @32137 has 315 MA's), (235, 32275), (Start: 252 @32308 has 15 MA's), (278, 32356), (329, 32473), (352, 32509), (359, 32518), (412, 32623), (441, 32692), (465, 32752), (471, 32764), (473, 32767), (477, 32779), (483, 32794), (495, 32818), (499, 32824), (514, 32845), (533, 32881), (535, 32884), (548, 32920), (549, 32926), (553, 32938), (555, 32941), (619, 33025), (629, 33040), (664, 33082), (674, 33127), (677, 33136), (687, 33175), (690, 33193), (703, 33214), (707, 33229), (710, 33238), (712, 33241),

Gene: Gorpy_41 Start: 29001, Stop: 27862, Start Num: 158
Candidate Starts for Gorpy_41:
(Start: 158 @29001 has 315 MA's), (Start: 189 @28950 has 14 MA's), (282, 28782), (290, 28764), (359, 28632), (403, 28554), (406, 28542), (408, 28536), (439, 28467), (443, 28458), (467, 28398),

(511, 28308), (555, 28203), (571, 28182), (585, 28155), (664, 28032), (670, 28008), (673, 27993), (692, 27918), (706, 27888),

Gene: Gorpy_37 Start: 25804, Stop: 26721, Start Num: 256
Candidate Starts for Gorpy_37:
(196, 25675), (200, 25681), (Start: 256 @25804 has 84 MA's), (325, 25960), (333, 25975), (340, 25987), (417, 26134), (421, 26143), (447, 26182), (476, 26227), (486, 26251), (491, 26257), (511, 26290), (531, 26332), (537, 26341), (550, 26383), (609, 26467), (673, 26587), (677, 26602),

Gene: Gratitude_34 Start: 26757, Stop: 25678, Start Num: 189
Candidate Starts for Gratitude_34:
(Start: 150 @26811 has 120 MA's), (Start: 189 @26757 has 14 MA's), (Start: 222 @26688 has 6 MA's), (242, 26643), (322, 26487), (334, 26460), (356, 26424), (403, 26367), (457, 26244), (463, 26226), (510, 26136), (517, 26124), (548, 26049), (549, 26043), (559, 26022), (570, 26007), (579, 25989), (600, 25962), (606, 25953), (665, 25851), (678, 25803), (685, 25773), (687, 25767), (689, 25755), (707, 25716),

Gene: Gravaillia_29 Start: 26207, Stop: 25014, Start Num: 187
Candidate Starts for Gravaillia_29:
(Start: 160 @26249 has 2 MA's), (Start: 187 @26207 has 20 MA's), (216, 26141), (246, 26072), (251, 26060), (267, 26021), (276, 26006), (278, 26000), (282, 25988), (304, 25928), (334, 25871), (357, 25838), (359, 25835), (360, 25832), (406, 25718), (412, 25703), (422, 25679), (431, 25664), (436, 25649), (450, 25625), (454, 25613), (467, 25574), (469, 25571), (485, 25535), (514, 25487), (516, 25484), (548, 25412), (549, 25406), (553, 25394), (555, 25391), (559, 25385), (588, 25331), (604, 25310), (617, 25283), (627, 25265), (630, 25259), (662, 25214), (668, 25187), (670, 25181), (677, 25151), (683, 25124), (706, 25061),

Gene: Grif_36 Start: 26864, Stop: 25719, Start Num: 150
Candidate Starts for Grif_36:
(Start: 150 @26864 has 120 MA's), (Start: 179 @26825 has 10 MA's), (203, 26777), (Start: 222 @26741 has 6 MA's), (242, 26696), (322, 26540), (334, 26513), (356, 26477), (403, 26420), (439, 26342), (450, 26318), (463, 26279), (497, 26207), (505, 26195), (510, 26189), (517, 26177), (548, 26102), (549, 26096), (559, 26075), (570, 26060), (579, 26042), (598, 26018), (665, 25904), (677, 25859), (678, 25856), (681, 25847), (685, 25826), (687, 25820), (689, 25808), (707, 25769),

Gene: Groupthink_36 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Groupthink_36:
(Start: 101 @26706 has 2 MA's), (Start: 150 @26643 has 120 MA's), (Start: 189 @26589 has 14 MA's), (Start: 222 @26520 has 6 MA's), (329, 26301), (334, 26292), (356, 26256), (403, 26199), (439, 26121), (454, 26088), (497, 25986), (510, 25968), (517, 25956), (548, 25881), (549, 25875), (559, 25854), (570, 25839), (579, 25821), (598, 25797), (677, 25638), (678, 25635), (685, 25605), (687, 25599), (689, 25587), (707, 25548),

Gene: Grub_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for Grub_36:
(Start: 150 @26782 has 120 MA's), (Start: 179 @26743 has 10 MA's), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (334, 26431), (356, 26395), (403, 26338), (439, 26260), (450, 26236), (463, 26197), (497, 26125), (505, 26113), (510, 26107), (517, 26095), (548, 26020), (549, 26014), (559, 25993), (570, 25978), (579, 25960), (598, 25936), (665, 25822), (677, 25777), (678, 25774), (681, 25765), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Grum1_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for Grum1_36:

(Start: 150 @26789 has 120 MA's), (Start: 179 @26750 has 10 MA's), (203, 26702), (Start: 222 @26666 has 6 MA's), (242, 26621), (322, 26465), (334, 26438), (356, 26402), (403, 26345), (439, 26267), (450, 26243), (463, 26204), (497, 26132), (505, 26120), (510, 26114), (517, 26102), (548, 26027), (549, 26021), (559, 26000), (570, 25985), (579, 25967), (598, 25943), (665, 25829), (677, 25784), (678, 25781), (681, 25772), (685, 25751), (687, 25745), (689, 25733), (707, 25694),

Gene: Gsput1_28 Start: 24542, Stop: 23361, Start Num: 192
Candidate Starts for Gsput1_28:
(157, 24608), (165, 24593), (176, 24572), (Start: 192 @24542 has 2 MA's), (208, 24506), (213, 24497), (214, 24494), (223, 24470), (277, 24359), (406, 24110), (422, 24071), (470, 23969), (511, 23891), (524, 23867), (532, 23852), (548, 23813), (553, 23795), (559, 23786), (581, 23744), (601, 23717), (622, 23675), (664, 23570), (674, 23525), (677, 23516), (680, 23507), (685, 23483), (727, 23387),

Gene: GtownJaz_36 Start: 26791, Stop: 25646, Start Num: 150
Candidate Starts for GtownJaz_36:
(Start: 150 @26791 has 120 MA's), (Start: 179 @26752 has 10 MA's), (Start: 222 @26668 has 6 MA's), (242, 26623), (322, 26467), (334, 26440), (356, 26404), (403, 26347), (439, 26269), (450, 26245), (463, 26206), (497, 26134), (505, 26122), (510, 26116), (517, 26104), (548, 26029), (549, 26023), (559, 26002), (570, 25987), (579, 25969), (598, 25945), (665, 25831), (677, 25786), (678, 25783), (681, 25774), (685, 25753), (687, 25747), (689, 25735), (707, 25696),

Gene: Guanica15_44 Start: 32526, Stop: 33626, Start Num: 158
Candidate Starts for Guanica15_44:
(69, 32376), (Start: 158 @32526 has 315 MA's), (Start: 189 @32577 has 14 MA's), (234, 32652), (Start: 252 @32688 has 15 MA's), (254, 32691), (308, 32802), (429, 33021), (439, 33045), (440, 33048), (495, 33177), (510, 33198), (553, 33303), (619, 33390), (661, 33438),

Gene: Guinevere_36 Start: 26292, Stop: 27212, Start Num: 256
Candidate Starts for Guinevere_36:
(Start: 236 @26250 has 1 MA's), (Start: 256 @26292 has 84 MA's), (325, 26448), (334, 26466), (340, 26478), (417, 26625), (447, 26673), (481, 26733), (486, 26742), (491, 26748), (511, 26781), (531, 26823), (539, 26835), (550, 26874), (667, 27054), (673, 27078), (677, 27093), (679, 27099), (706, 27180), (707, 27183),

Gene: GumGum_40 Start: 27604, Stop: 26465, Start Num: 158
Candidate Starts for GumGum_40:
(Start: 158 @27604 has 315 MA's), (329, 27283), (352, 27247), (360, 27235), (365, 27229), (406, 27136), (412, 27121), (439, 27061), (453, 27031), (477, 26968), (550, 26800), (563, 26779), (569, 26770), (626, 26674), (677, 26566), (681, 26554), (701, 26491),

Gene: GumGum_37 Start: 24736, Stop: 25656, Start Num: 256
Candidate Starts for GumGum_37:
(196, 24607), (200, 24613), (Start: 256 @24736 has 84 MA's), (303, 24850), (330, 24901), (334, 24910), (340, 24922), (382, 24979), (417, 25069), (421, 25078), (447, 25117), (486, 25186), (491, 25192), (494, 25201), (511, 25225), (521, 25249), (620, 25423), (673, 25522), (677, 25537), (679, 25543),

Gene: Guppsters_43 Start: 32537, Stop: 33664, Start Num: 158
Candidate Starts for Guppsters_43:
(85, 32435), (123, 32492), (Start: 158 @32537 has 315 MA's), (Start: 163 @32546 has 3 MA's), (Start: 252 @32708 has 15 MA's), (276, 32759), (282, 32777), (299, 32822), (352, 32918), (359, 32927), (403, 33008), (412, 33032), (441, 33101), (465, 33161), (471, 33173), (473, 33176), (477, 33188), (483, 33203), (495, 33227), (499, 33233), (514, 33254), (533, 33290), (535, 33293), (548, 33329), (549,

33335), (555, 33350), (619, 33434), (629, 33449), (664, 33491), (674, 33536), (677, 33545), (687, 33584), (690, 33602), (703, 33623), (707, 33638), (710, 33647), (712, 33650),

Gene: Gusanita_34 Start: 26041, Stop: 26961, Start Num: 256
Candidate Starts for Gusanita_34:
(196, 25912), (200, 25918), (Start: 256 @26041 has 84 MA's), (330, 26206), (334, 26215), (340, 26227), (346, 26236), (382, 26284), (417, 26374), (421, 26383), (447, 26422), (476, 26467), (486, 26491), (491, 26497), (511, 26530), (539, 26584), (550, 26623), (564, 26641), (609, 26707), (623, 26734), (705, 26923),

Gene: Gwennie_35 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for Gwennie_35:
(Start: 150 @26790 has 120 MA's), (Start: 179 @26751 has 10 MA's), (203, 26703), (Start: 222 @26667 has 6 MA's), (242, 26622), (322, 26466), (334, 26439), (356, 26403), (403, 26346), (439, 26268), (450, 26244), (463, 26205), (497, 26133), (505, 26121), (510, 26115), (517, 26103), (548, 26028), (549, 26022), (559, 26001), (570, 25986), (579, 25968), (598, 25944), (665, 25830), (677, 25785), (678, 25782), (681, 25773), (685, 25752), (687, 25746), (689, 25734), (707, 25695),

Gene: HH92_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for HH92_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Hades_43 Start: 31946, Stop: 33073, Start Num: 158
Candidate Starts for Hades_43:
(85, 31844), (123, 31901), (Start: 158 @31946 has 315 MA's), (Start: 163 @31955 has 3 MA's), (Start: 252 @32117 has 15 MA's), (276, 32168), (282, 32186), (299, 32231), (352, 32327), (359, 32336), (403, 32417), (412, 32441), (441, 32510), (457, 32549), (465, 32570), (471, 32582), (473, 32585), (477, 32597), (483, 32612), (495, 32636), (499, 32642), (514, 32663), (533, 32699), (535, 32702), (548, 32738), (549, 32744), (553, 32756), (555, 32759), (566, 32774), (619, 32843), (629, 32858), (664, 32900), (674, 32945), (677, 32954), (681, 32966), (687, 32993), (690, 33011), (703, 33032), (707, 33047), (710, 33056), (712, 33059),

Gene: Hadrien_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Hadrien_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Hail_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Hail_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422,

25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Haley23_37 Start: 27875, Stop: 28957, Start Num: 155
Candidate Starts for Haley23_37:
(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (516, 28553), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: Halley_83 Start: 53063, Stop: 54292, Start Num: 136
Candidate Starts for Halley_83:
(Start: 136 @53063 has 29 MA's), (Start: 148 @53081 has 1 MA's), (Start: 170 @53120 has 1 MA's), (282, 53357), (329, 53465), (395, 53585), (396, 53588), (401, 53597), (406, 53612), (422, 53651), (458, 53729), (514, 53834), (520, 53846), (529, 53849), (533, 53858), (551, 53909), (553, 53912), (566, 53930), (617, 54026), (652, 54083), (684, 54203), (685, 54206), (690, 54230), (704, 54254), (705, 54257),

Gene: Halloweekend_34 Start: 25999, Stop: 26919, Start Num: 256
Candidate Starts for Halloweekend_34:
(Start: 236 @25957 has 1 MA's), (Start: 256 @25999 has 84 MA's), (325, 26155), (334, 26173), (340, 26185), (417, 26332), (421, 26341), (447, 26380), (486, 26449), (491, 26455), (511, 26488), (521, 26512), (531, 26530), (539, 26542), (667, 26761), (673, 26785), (677, 26800), (679, 26806), (706, 26887), (707, 26890),

Gene: Hannaconda_75 Start: 47285, Stop: 48559, Start Num: 114
Candidate Starts for Hannaconda_75:
(82, 47228), (Start: 102 @47270 has 2 MA's), (Start: 114 @47285 has 10 MA's), (117, 47288), (Start: 148 @47333 has 1 MA's), (Start: 170 @47372 has 1 MA's), (356, 47753), (395, 47837), (401, 47849), (403, 47852), (458, 47981), (529, 48101), (553, 48164), (566, 48182), (576, 48206), (617, 48278), (684, 48455), (685, 48458), (687, 48464), (690, 48482), (699, 48497), (704, 48506), (705, 48509), (726, 48554),

Gene: HarryHoudini_36 Start: 26909, Stop: 25782, Start Num: 155
Candidate Starts for HarryHoudini_36:
(112, 26963), (Start: 155 @26909 has 58 MA's), (Start: 179 @26876 has 10 MA's), (Start: 194 @26846 has 8 MA's), (Start: 222 @26792 has 6 MA's), (242, 26747), (334, 26564), (356, 26528), (403, 26471), (439, 26393), (457, 26348), (463, 26330), (510, 26240), (517, 26228), (526, 26207), (548, 26153), (549, 26147), (559, 26126), (570, 26111), (579, 26093), (600, 26066), (665, 25955), (677, 25910), (678, 25907), (679, 25904), (685, 25877), (687, 25871), (689, 25859), (707, 25820),

Gene: HaveUMetTed_36 Start: 26636, Stop: 25491, Start Num: 150
Candidate Starts for HaveUMetTed_36:
(Start: 101 @26699 has 2 MA's), (Start: 150 @26636 has 120 MA's), (Start: 189 @26582 has 14 MA's), (Start: 222 @26513 has 6 MA's), (329, 26294), (334, 26285), (356, 26249), (403, 26192), (439, 26114), (454, 26081), (497, 25979), (510, 25961), (517, 25949), (548, 25874), (549, 25868), (559, 25847), (570, 25832), (579, 25814), (677, 25631), (678, 25628), (685, 25598), (687, 25592), (689, 25580), (707, 25541),

Gene: Heathen_33 Start: 26105, Stop: 24978, Start Num: 150
Candidate Starts for Heathen_33:

(Start: 150 @26105 has 120 MA's), (203, 26018), (Start: 222 @25982 has 6 MA's), (242, 25937), (322, 25781), (326, 25769), (329, 25763), (356, 25718), (401, 25664), (403, 25661), (410, 25637), (497, 25448), (510, 25430), (517, 25418), (535, 25379), (548, 25343), (549, 25337), (559, 25316), (570, 25301), (579, 25283), (665, 25145), (678, 25097), (685, 25067), (687, 25061), (689, 25049), (707, 25010),

Gene: HedwigODU_41 Start: 32479, Stop: 33567, Start Num: 158
Candidate Starts for HedwigODU_41:
(Start: 158 @32479 has 315 MA's), (Start: 189 @32530 has 14 MA's), (Start: 222 @32581 has 6 MA's), (234, 32605), (Start: 252 @32641 has 15 MA's), (322, 32779), (352, 32833), (406, 32917), (439, 32986), (440, 32989), (510, 33139), (545, 33217), (553, 33244), (619, 33331), (661, 33379),

Gene: Heffalump_35 Start: 27571, Stop: 26564, Start Num: 222
Candidate Starts for Heffalump_35:
(Start: 138 @27706 has 2 MA's), (Start: 222 @27571 has 6 MA's), (239, 27535), (242, 27526), (306, 27397), (356, 27307), (432, 27196), (439, 27172), (454, 27139), (457, 27127), (510, 27019), (512, 27016), (548, 26932), (549, 26926), (559, 26905), (570, 26890), (579, 26872), (678, 26686), (685, 26656), (687, 26650), (689, 26638), (707, 26599), (718, 26575),

Gene: Hegedechwinu_41 Start: 30918, Stop: 32036, Start Num: 158
Candidate Starts for Hegedechwinu_41:
(Start: 158 @30918 has 315 MA's), (235, 31056), (Start: 252 @31089 has 15 MA's), (278, 31137), (329, 31254), (352, 31290), (359, 31299), (412, 31404), (441, 31473), (457, 31512), (463, 31530), (465, 31533), (471, 31545), (473, 31548), (477, 31560), (483, 31575), (495, 31599), (499, 31605), (514, 31626), (533, 31662), (535, 31665), (548, 31701), (549, 31707), (553, 31719), (555, 31722), (566, 31737), (619, 31806), (629, 31821), (664, 31863), (674, 31908), (677, 31917), (687, 31956), (690, 31974), (703, 31995), (707, 32010), (710, 32019), (712, 32022),

Gene: HelDan_33 Start: 26357, Stop: 25230, Start Num: 150
Candidate Starts for HelDan_33:
(Start: 150 @26357 has 120 MA's), (203, 26270), (Start: 222 @26234 has 6 MA's), (242, 26189), (322, 26033), (326, 26021), (329, 26015), (356, 25970), (401, 25916), (403, 25913), (410, 25889), (497, 25700), (510, 25682), (517, 25670), (535, 25631), (548, 25595), (549, 25589), (559, 25568), (570, 25553), (579, 25535), (665, 25397), (678, 25349), (685, 25319), (687, 25313), (689, 25301), (707, 25262),

Gene: Heliosoles_35 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Heliosoles_35:
(Start: 101 @26706 has 2 MA's), (Start: 150 @26643 has 120 MA's), (Start: 189 @26589 has 14 MA's), (Start: 222 @26520 has 6 MA's), (329, 26301), (334, 26292), (356, 26256), (403, 26199), (439, 26121), (454, 26088), (497, 25986), (510, 25968), (517, 25956), (548, 25881), (549, 25875), (559, 25854), (570, 25839), (579, 25821), (598, 25797), (677, 25638), (678, 25635), (685, 25605), (687, 25599), (689, 25587), (707, 25548),

Gene: Henrique_35 Start: 24359, Stop: 25279, Start Num: 256
Candidate Starts for Henrique_35:
(191, 24215), (Start: 256 @24359 has 84 MA's), (325, 24515), (334, 24533), (340, 24545), (417, 24692), (421, 24701), (447, 24740), (486, 24809), (491, 24815), (511, 24848), (531, 24890), (550, 24941), (609, 25025), (667, 25121), (673, 25145), (679, 25166), (706, 25247), (707, 25250),

Gene: Hercules11_36 Start: 26798, Stop: 25653, Start Num: 150
Candidate Starts for Hercules11_36:

(Start: 150 @26798 has 120 MA's), (Start: 179 @26759 has 10 MA's), (203, 26711), (Start: 222 @26675 has 6 MA's), (242, 26630), (322, 26474), (334, 26447), (356, 26411), (403, 26354), (439, 26276), (450, 26252), (463, 26213), (497, 26141), (505, 26129), (510, 26123), (517, 26111), (548, 26036), (549, 26030), (559, 26009), (570, 25994), (579, 25976), (598, 25952), (665, 25838), (677, 25793), (678, 25790), (681, 25781), (685, 25760), (687, 25754), (689, 25742), (707, 25703),

Gene: Herod_39 Start: 31901, Stop: 33094, Start Num: 83
Candidate Starts for Herod_39:
(Start: 83 @31901 has 6 MA's), (Start: 155 @32012 has 58 MA's), (Start: 189 @32066 has 14 MA's), (258, 32186), (396, 32432), (401, 32441), (412, 32471), (440, 32531), (467, 32597), (477, 32621), (670, 32951), (676, 32978), (710, 33083),

Gene: Hestia_38 Start: 27099, Stop: 25888, Start Num: 146
Candidate Starts for Hestia_38:
(Start: 139 @27108 has 2 MA's), (Start: 146 @27099 has 6 MA's), (178, 27051), (220, 26958), (311, 26742), (377, 26661), (406, 26598), (421, 26562), (435, 26535), (572, 26247), (586, 26214), (602, 26193), (681, 26019), (685, 25998), (694, 25968), (710, 25929),

Gene: Hestia_36 Start: 24611, Stop: 25531, Start Num: 256
Candidate Starts for Hestia_36:
(196, 24482), (200, 24488), (Start: 256 @24611 has 84 MA's), (334, 24785), (340, 24797), (417, 24944), (447, 24992), (486, 25061), (491, 25067), (550, 25193), (609, 25277), (667, 25373), (673, 25397), (677, 25412), (679, 25418), (706, 25499),

Gene: Hidrated_74 Start: 52276, Stop: 53448, Start Num: 170
Candidate Starts for Hidrated_74:
(Start: 136 @52219 has 29 MA's), (Start: 148 @52237 has 1 MA's), (Start: 170 @52276 has 1 MA's), (282, 52513), (329, 52621), (395, 52741), (396, 52744), (401, 52753), (406, 52768), (458, 52885), (520, 53002), (529, 53005), (533, 53014), (551, 53065), (553, 53068), (566, 53086), (617, 53182), (652, 53239), (684, 53359), (685, 53362), (690, 53386), (704, 53410), (705, 53413),

Gene: Hillester_36 Start: 24572, Stop: 25492, Start Num: 256
Candidate Starts for Hillester_36:
(196, 24443), (207, 24470), (Start: 256 @24572 has 84 MA's), (303, 24686), (334, 24746), (340, 24758), (382, 24815), (417, 24905), (447, 24953), (486, 25022), (491, 25028), (511, 25061), (521, 25085), (673, 25358), (677, 25373), (679, 25379),

Gene: Hillester_40 Start: 27831, Stop: 26659, Start Num: 158
Candidate Starts for Hillester_40:
(Start: 158 @27831 has 315 MA's), (Start: 189 @27780 has 14 MA's), (248, 27666), (282, 27612), (290, 27594), (323, 27522), (345, 27480), (359, 27462), (403, 27384), (406, 27372), (439, 27297), (443, 27288), (467, 27228), (511, 27138), (555, 27033), (571, 27012), (583, 26988), (585, 26985), (628, 26916), (664, 26862), (670, 26838), (673, 26823), (712, 26703), (725, 26676),

Gene: HippoHollow_33 Start: 27726, Stop: 26545, Start Num: 146
Candidate Starts for HippoHollow_33:
(Start: 133 @27744 has 7 MA's), (Start: 146 @27726 has 6 MA's), (177, 27678), (Start: 194 @27645 has 8 MA's), (Start: 222 @27597 has 6 MA's), (242, 27552), (356, 27333), (432, 27222), (439, 27198), (457, 27153), (510, 27045), (517, 27033), (548, 26958), (549, 26952), (559, 26931), (570, 26916), (678, 26712), (685, 26682), (687, 26676), (689, 26664), (707, 26625), (739, 26553),

Gene: Hlubikazi_41 Start: 31787, Stop: 32905, Start Num: 158
Candidate Starts for Hlubikazi_41:

(Start: 158 @31787 has 315 MA's), (Start: 252 @31958 has 15 MA's), (329, 32123), (352, 32159), (359, 32168), (412, 32273), (441, 32342), (457, 32381), (465, 32402), (471, 32414), (473, 32417), (477, 32429), (495, 32468), (499, 32474), (514, 32495), (533, 32531), (535, 32534), (548, 32570), (549, 32576), (553, 32588), (555, 32591), (566, 32606), (619, 32675), (629, 32690), (650, 32708), (674, 32777), (677, 32786), (687, 32825), (690, 32843), (703, 32864), (707, 32879), (710, 32888), (712, 32891),

Gene: HokkenD_73 Start: 51332, Stop: 52561, Start Num: 136
Candidate Starts for HokkenD_73:
(Start: 136 @51332 has 29 MA's), (Start: 148 @51350 has 1 MA's), (Start: 170 @51389 has 1 MA's), (282, 51626), (329, 51734), (395, 51854), (396, 51857), (401, 51866), (406, 51881), (422, 51920), (458, 51998), (514, 52103), (520, 52115), (529, 52118), (533, 52127), (551, 52178), (553, 52181), (566, 52199), (617, 52295), (652, 52352), (684, 52472), (685, 52475), (690, 52499), (704, 52523), (705, 52526),

Gene: Holliday_48 Start: 32014, Stop: 33084, Start Num: 158
Candidate Starts for Holliday_48:
(Start: 139 @31993 has 2 MA's), (Start: 158 @32014 has 315 MA's), (Start: 189 @32065 has 14 MA's), (221, 32113), (249, 32170), (278, 32215), (406, 32449), (413, 32467), (457, 32566), (471, 32599), (473, 32602), (477, 32614), (561, 32782), (631, 32881), (640, 32890), (670, 32941), (676, 32968), (683, 32998), (685, 33004), (688, 33016), (710, 33073),

Gene: Homura_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Homura_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: Hortense_36 Start: 30765, Stop: 31682, Start Num: 256
Candidate Starts for Hortense_36:
(Start: 252 @30759 has 15 MA's), (Start: 256 @30765 has 84 MA's), (340, 30945), (346, 30954), (347, 30960), (443, 31131), (450, 31146), (482, 31203), (486, 31209), (491, 31215), (498, 31230), (548, 31329), (549, 31335), (553, 31347), (609, 31422), (621, 31446), (623, 31449), (650, 31485), (660, 31491), (663, 31503), (688, 31605),

Gene: Hortense_40 Start: 32549, Stop: 33676, Start Num: 158
Candidate Starts for Hortense_40:
(124, 32510), (Start: 158 @32549 has 315 MA's), (Start: 189 @32603 has 14 MA's), (249, 32726), (268, 32759), (309, 32849), (326, 32882), (439, 33077), (440, 33080), (457, 33122), (473, 33158), (633, 33455), (670, 33533), (676, 33560), (681, 33575), (687, 33602), (710, 33665),

Gene: Horus_48 Start: 33163, Stop: 34260, Start Num: 158
Candidate Starts for Horus_48:
(59, 32983), (73, 33022), (Start: 158 @33163 has 315 MA's), (Start: 189 @33214 has 14 MA's), (235, 33292), (249, 33319), (278, 33364), (291, 33397), (294, 33406), (401, 33583), (403, 33586), (443, 33679), (457, 33715), (471, 33748), (473, 33751), (477, 33763), (559, 33928), (582, 33958), (631, 34030), (664, 34066), (670, 34090), (676, 34117), (688, 34165), (690, 34177), (712, 34225),

Gene: HotPotato_34 Start: 24923, Stop: 25843, Start Num: 256
Candidate Starts for HotPotato_34:
(Start: 256 @24923 has 84 MA's), (325, 25079), (334, 25097), (340, 25109), (417, 25256), (421, 25265), (447, 25304), (486, 25373), (491, 25379), (511, 25412), (531, 25454), (539, 25466), (667,

25685), (673, 25709), (677, 25724), (679, 25730), (706, 25811), (707, 25814),

Gene: Howe_36 Start: 30765, Stop: 31682, Start Num: 256
Candidate Starts for Howe_36:
(Start: 252 @30759 has 15 MA's), (Start: 256 @30765 has 84 MA's), (340, 30945), (346, 30954), (347, 30960), (443, 31131), (450, 31146), (482, 31203), (486, 31209), (491, 31215), (498, 31230), (548, 31329), (549, 31335), (553, 31347), (609, 31422), (621, 31446), (623, 31449), (650, 31485), (660, 31491), (663, 31503), (688, 31605),

Gene: Howe_40 Start: 32549, Stop: 33676, Start Num: 158
Candidate Starts for Howe_40:
(124, 32510), (Start: 158 @32549 has 315 MA's), (Start: 189 @32603 has 14 MA's), (249, 32726), (268, 32759), (309, 32849), (326, 32882), (439, 33077), (440, 33080), (457, 33122), (473, 33158), (633, 33455), (670, 33533), (676, 33560), (681, 33575), (687, 33602), (710, 33665),

Gene: Huffy_38 Start: 27370, Stop: 26255, Start Num: 197
Candidate Starts for Huffy_38:
(Start: 197 @27370 has 12 MA's), (372, 27031), (388, 26998), (525, 26704), (536, 26692), (617, 26512), (681, 26341), (687, 26314),

Gene: Hughesyang_81 Start: 53021, Stop: 54250, Start Num: 136
Candidate Starts for Hughesyang_81:
(Start: 136 @53021 has 29 MA's), (Start: 148 @53039 has 1 MA's), (Start: 170 @53078 has 1 MA's), (282, 53315), (329, 53423), (395, 53543), (396, 53546), (401, 53555), (406, 53570), (422, 53609), (458, 53687), (514, 53792), (520, 53804), (529, 53807), (533, 53816), (551, 53867), (553, 53870), (566, 53888), (617, 53984), (652, 54041), (684, 54161), (685, 54164), (690, 54188), (704, 54212), (705, 54215),

Gene: Hugley_36 Start: 32011, Stop: 33093, Start Num: 155
Candidate Starts for Hugley_36:
(Start: 83 @31900 has 6 MA's), (Start: 155 @32011 has 58 MA's), (Start: 189 @32065 has 14 MA's), (258, 32185), (396, 32431), (401, 32440), (412, 32470), (440, 32530), (467, 32596), (477, 32620), (670, 32950), (676, 32977), (710, 33082),

Gene: Hyperbowlee_41 Start: 32792, Stop: 33880, Start Num: 158
Candidate Starts for Hyperbowlee_41:
(Start: 158 @32792 has 315 MA's), (Start: 222 @32894 has 6 MA's), (234, 32918), (Start: 252 @32954 has 15 MA's), (322, 33092), (406, 33230), (439, 33299), (440, 33302), (510, 33452), (553, 33557), (661, 33692),

Gene: Hyzer_43 Start: 33426, Stop: 34508, Start Num: 155
Candidate Starts for Hyzer_43:
(Start: 155 @33426 has 58 MA's), (Start: 189 @33480 has 14 MA's), (258, 33600), (401, 33855), (412, 33885), (440, 33945), (467, 34011), (477, 34035), (670, 34365), (688, 34440), (710, 34497),

Gene: IMpilo_40 Start: 31720, Stop: 32838, Start Num: 158
Candidate Starts for IMpilo_40:
(Start: 158 @31720 has 315 MA's), (Start: 163 @31729 has 3 MA's), (Start: 252 @31891 has 15 MA's), (329, 32056), (352, 32092), (359, 32101), (412, 32206), (441, 32275), (457, 32314), (465, 32335), (471, 32347), (473, 32350), (477, 32362), (483, 32377), (495, 32401), (499, 32407), (514, 32428), (533, 32464), (535, 32467), (548, 32503), (549, 32509), (553, 32521), (555, 32524), (566, 32539), (619, 32608), (629, 32623), (674, 32710), (677, 32719), (687, 32758), (690, 32776), (703, 32797), (707, 32812), (710, 32821), (712, 32824),

Gene: Ichiang_34 Start: 26018, Stop: 26938, Start Num: 256
Candidate Starts for Ichiang_34:
(Start: 236 @25976 has 1 MA's), (Start: 256 @26018 has 84 MA's), (325, 26174), (334, 26192), (340, 26204), (352, 26228), (417, 26351), (421, 26360), (447, 26399), (486, 26468), (491, 26474), (511, 26507), (521, 26531), (531, 26549), (539, 26561), (549, 26594), (550, 26600), (553, 26606), (667, 26780), (673, 26804), (677, 26819), (679, 26825), (706, 26906), (707, 26909),

Gene: Idleandcovert_33 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for Idleandcovert_33:
(Start: 150 @26297 has 120 MA's), (203, 26210), (Start: 222 @26174 has 6 MA's), (242, 26129), (322, 25973), (326, 25961), (329, 25955), (356, 25910), (401, 25856), (403, 25853), (439, 25775), (510, 25622), (517, 25610), (535, 25571), (548, 25535), (549, 25529), (559, 25508), (570, 25493), (579, 25475), (600, 25448), (665, 25337), (678, 25289), (685, 25259), (687, 25253), (689, 25241), (707, 25202),

Gene: Illumine_44 Start: 33263, Stop: 34351, Start Num: 158
Candidate Starts for Illumine_44:
(Start: 158 @33263 has 315 MA's), (Start: 222 @33365 has 6 MA's), (234, 33389), (Start: 252 @33425 has 15 MA's), (282, 33476), (308, 33539), (322, 33563), (352, 33617), (355, 33620), (406, 33701), (439, 33770), (440, 33773), (510, 33923), (545, 34001), (553, 34028), (661, 34163),

Gene: Inky_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Inky_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: Invectra_37 Start: 28866, Stop: 29783, Start Num: 256
Candidate Starts for Invectra_37:
(Start: 252 @28860 has 15 MA's), (Start: 256 @28866 has 84 MA's), (346, 29055), (347, 29061), (406, 29163), (415, 29187), (450, 29247), (482, 29304), (486, 29310), (491, 29316), (548, 29430), (549, 29436), (553, 29448), (609, 29523), (621, 29547), (623, 29550), (650, 29586), (660, 29592), (668, 29625), (688, 29706),

Gene: Invectra_41 Start: 30570, Stop: 31697, Start Num: 158
Candidate Starts for Invectra_41:
(87, 30474), (129, 30537), (Start: 158 @30570 has 315 MA's), (Start: 189 @30624 has 14 MA's), (309, 30870), (326, 30903), (439, 31098), (440, 31101), (457, 31143), (473, 31179), (633, 31476), (670, 31554), (676, 31581), (681, 31596), (687, 31623), (710, 31686),

Gene: IrishSherpFalk_41 Start: 32488, Stop: 33606, Start Num: 158
Candidate Starts for IrishSherpFalk_41:
(Start: 158 @32488 has 315 MA's), (Start: 163 @32497 has 3 MA's), (Start: 252 @32659 has 15 MA's), (359, 32869), (403, 32950), (412, 32974), (441, 33043), (465, 33103), (471, 33115), (473, 33118), (477, 33130), (483, 33145), (495, 33169), (499, 33175), (514, 33196), (533, 33232), (535, 33235), (548, 33271), (549, 33277), (555, 33292), (619, 33376), (629, 33391), (664, 33433), (674, 33478), (677, 33487), (687, 33526), (690, 33544), (703, 33565), (707, 33580), (710, 33589), (712, 33592),

Gene: IronMan_36 Start: 28052, Stop: 26925, Start Num: 146
Candidate Starts for IronMan_36:

(Start: 133 @28070 has 7 MA's), (Start: 146 @28052 has 6 MA's), (Start: 222 @27923 has 6 MA's), (242, 27878), (334, 27695), (356, 27659), (403, 27602), (406, 27590), (463, 27461), (510, 27371), (517, 27359), (548, 27284), (559, 27257), (570, 27242), (579, 27224), (595, 27203), (665, 27086), (677, 27041), (678, 27038), (679, 27035), (685, 27008), (687, 27002), (689, 26990), (707, 26951),

Gene: IsHungry_32 Start: 25028, Stop: 25948, Start Num: 256
Candidate Starts for IsHungry_32:
(Start: 187 @24872 has 20 MA's), (196, 24896), (207, 24923), (225, 24962), (Start: 256 @25028 has 84 MA's), (265, 25052), (303, 25142), (325, 25184), (334, 25202), (340, 25214), (382, 25271), (417, 25361), (434, 25394), (447, 25409), (476, 25454), (486, 25478), (491, 25484), (511, 25517), (609, 25694), (623, 25721), (667, 25790), (673, 25814), (707, 25919),

Gene: Isca_33 Start: 26066, Stop: 24942, Start Num: 150
Candidate Starts for Isca_33:
(Start: 118 @26108 has 1 MA's), (Start: 150 @26066 has 120 MA's), (Start: 179 @26027 has 10 MA's), (203, 25979), (Start: 222 @25943 has 6 MA's), (242, 25898), (260, 25868), (306, 25769), (356, 25679), (432, 25568), (439, 25544), (457, 25499), (510, 25391), (517, 25379), (526, 25358), (548, 25304), (549, 25298), (559, 25277), (570, 25262), (579, 25244), (600, 25217), (665, 25106), (678, 25058), (679, 25055), (685, 25028), (687, 25022), (689, 25010), (699, 24989), (707, 24971),

Gene: Isolde_41 Start: 27878, Stop: 26739, Start Num: 158
Candidate Starts for Isolde_41:
(Start: 158 @27878 has 315 MA's), (Start: 189 @27827 has 14 MA's), (282, 27659), (290, 27641), (359, 27509), (403, 27431), (406, 27419), (439, 27344), (443, 27335), (467, 27275), (511, 27185), (555, 27080), (571, 27059), (585, 27032), (664, 26909), (670, 26885), (673, 26870), (706, 26765),

Gene: Isolde_36 Start: 24341, Stop: 25258, Start Num: 256
Candidate Starts for Isolde_36:
(196, 24212), (200, 24218), (Start: 256 @24341 has 84 MA's), (333, 24512), (340, 24524), (417, 24671), (447, 24719), (476, 24764), (486, 24788), (491, 24794), (511, 24827), (531, 24869), (537, 24878), (553, 24926), (609, 25004), (623, 25031), (677, 25139), (707, 25229),

Gene: Iwokeuplikedis_34 Start: 26178, Stop: 25060, Start Num: 150
Candidate Starts for Iwokeuplikedis_34:
(Start: 150 @26178 has 120 MA's), (Start: 222 @26055 has 6 MA's), (242, 26010), (323, 25851), (334, 25827), (356, 25791), (403, 25734), (439, 25656), (457, 25611), (463, 25593), (510, 25503), (517, 25491), (548, 25416), (559, 25389), (570, 25374), (579, 25356), (600, 25329), (665, 25218), (677, 25173), (678, 25170), (679, 25167), (685, 25140), (687, 25134), (689, 25122), (707, 25083),

Gene: JAWS_41 Start: 32469, Stop: 33557, Start Num: 158
Candidate Starts for JAWS_41:
(Start: 158 @32469 has 315 MA's), (Start: 222 @32571 has 6 MA's), (234, 32595), (Start: 252 @32631 has 15 MA's), (322, 32769), (406, 32907), (439, 32976), (440, 32979), (510, 33129), (553, 33234), (619, 33321), (661, 33369),

Gene: JF2_33 Start: 25816, Stop: 24692, Start Num: 150
Candidate Starts for JF2_33:
(Start: 118 @25858 has 1 MA's), (Start: 150 @25816 has 120 MA's), (Start: 222 @25693 has 6 MA's), (242, 25648), (284, 25576), (302, 25528), (329, 25474), (334, 25465), (356, 25429), (403, 25372), (510, 25141), (517, 25129), (526, 25108), (548, 25054), (549, 25048), (559, 25027), (570, 25012), (579, 24994), (600, 24967), (665, 24856), (678, 24808), (679, 24805), (685, 24778), (687, 24772), (689, 24760), (699, 24739), (707, 24721),

Gene: JF4_33 Start: 25816, Stop: 24692, Start Num: 150
Candidate Starts for JF4_33:
(Start: 118 @25858 has 1 MA's), (Start: 150 @25816 has 120 MA's), (Start: 222 @25693 has 6 MA's), (242, 25648), (284, 25576), (302, 25528), (329, 25474), (334, 25465), (356, 25429), (403, 25372), (510, 25141), (517, 25129), (526, 25108), (548, 25054), (549, 25048), (559, 25027), (570, 25012), (579, 24994), (600, 24967), (665, 24856), (678, 24808), (679, 24805), (685, 24778), (687, 24772), (689, 24760), (699, 24739), (707, 24721),

Gene: JHC117_36 Start: 26788, Stop: 25643, Start Num: 150
Candidate Starts for JHC117_36:
(Start: 150 @26788 has 120 MA's), (Start: 179 @26749 has 10 MA's), (203, 26701), (Start: 222 @26665 has 6 MA's), (242, 26620), (322, 26464), (334, 26437), (356, 26401), (403, 26344), (439, 26266), (450, 26242), (463, 26203), (497, 26131), (505, 26119), (510, 26113), (517, 26101), (548, 26026), (549, 26020), (559, 25999), (570, 25984), (579, 25966), (598, 25942), (665, 25828), (677, 25783), (678, 25780), (681, 25771), (685, 25750), (687, 25744), (689, 25732), (707, 25693),

Gene: Jaan_37 Start: 28459, Stop: 27326, Start Num: 140
Candidate Starts for Jaan_37:
(Start: 140 @28459 has 6 MA's), (Start: 222 @28324 has 6 MA's), (242, 28279), (245, 28273), (268, 28234), (322, 28123), (334, 28096), (356, 28060), (395, 28018), (401, 28006), (403, 28003), (450, 27901), (510, 27772), (517, 27760), (548, 27685), (549, 27679), (559, 27658), (570, 27643), (579, 27625), (614, 27574), (665, 27487), (678, 27439), (685, 27409), (687, 27403), (689, 27391), (707, 27352),

Gene: Jablanski_34 Start: 28854, Stop: 29789, Start Num: 252
Candidate Starts for Jablanski_34:
(229, 28800), (Start: 252 @28854 has 15 MA's), (309, 28986), (382, 29103), (406, 29163), (407, 29166), (415, 29187), (480, 29298), (486, 29310), (531, 29391), (551, 29445), (558, 29451), (573, 29469), (609, 29529), (621, 29553), (623, 29556), (650, 29592), (660, 29598), (680, 29676), (697, 29736),

Gene: Jablanski_39 Start: 31311, Stop: 32393, Start Num: 155
Candidate Starts for Jablanski_39:
(Start: 83 @31200 has 6 MA's), (Start: 155 @31311 has 58 MA's), (Start: 189 @31365 has 14 MA's), (258, 31485), (412, 31770), (440, 31830), (467, 31896), (477, 31920), (670, 32250), (676, 32277), (710, 32382),

Gene: Jalleen_36 Start: 27514, Stop: 28596, Start Num: 155
Candidate Starts for Jalleen_36:
(Start: 81 @27397 has 2 MA's), (Start: 83 @27403 has 6 MA's), (Start: 155 @27514 has 58 MA's), (Start: 189 @27568 has 14 MA's), (258, 27688), (401, 27943), (412, 27973), (440, 28033), (467, 28099), (477, 28123), (533, 28228), (670, 28453), (676, 28480), (710, 28585),

Gene: James_43 Start: 32094, Stop: 33212, Start Num: 158
Candidate Starts for James_43:
(Start: 158 @32094 has 315 MA's), (235, 32232), (Start: 252 @32265 has 15 MA's), (278, 32313), (329, 32430), (352, 32466), (359, 32475), (412, 32580), (441, 32649), (465, 32709), (471, 32721), (473, 32724), (477, 32736), (483, 32751), (495, 32775), (499, 32781), (514, 32802), (533, 32838), (535, 32841), (548, 32877), (549, 32883), (553, 32895), (555, 32898), (619, 32982), (629, 32997), (664, 33039), (674, 33084), (677, 33093), (687, 33132), (690, 33150), (703, 33171), (707, 33186), (710, 33195), (712, 33198),

Gene: Jant_44 Start: 33079, Stop: 33984, Start Num: 276

Candidate Starts for Jant_44:
(85, 32755), (123, 32812), (Start: 158 @32857 has 315 MA's), (Start: 163 @32866 has 3 MA's), (Start: 252 @33028 has 15 MA's), (276, 33079), (282, 33097), (299, 33142), (352, 33238), (359, 33247), (412, 33352), (441, 33421), (465, 33481), (471, 33493), (473, 33496), (477, 33508), (483, 33523), (495, 33547), (499, 33553), (514, 33574), (533, 33610), (535, 33613), (548, 33649), (549, 33655), (555, 33670), (619, 33754), (629, 33769), (650, 33787), (664, 33811), (674, 33856), (677, 33865), (687, 33904), (690, 33922), (703, 33943), (707, 33958), (710, 33967), (712, 33970),

Gene: Jarvi_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Jarvi_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: Jayhawk_42 Start: 32477, Stop: 33565, Start Num: 158
Candidate Starts for Jayhawk_42:
(Start: 158 @32477 has 315 MA's), (Start: 189 @32528 has 14 MA's), (Start: 222 @32579 has 6 MA's), (234, 32603), (Start: 252 @32639 has 15 MA's), (322, 32777), (352, 32831), (406, 32915), (439, 32984), (440, 32987), (510, 33137), (545, 33215), (553, 33242), (619, 33329), (661, 33377),

Gene: JeanClaude_32 Start: 23615, Stop: 22461, Start Num: 158
Candidate Starts for JeanClaude_32:
(108, 23678), (Start: 158 @23615 has 315 MA's), (Start: 189 @23564 has 14 MA's), (191, 23561), (201, 23537), (308, 23312), (329, 23267), (341, 23246), (343, 23243), (360, 23219), (406, 23120), (412, 23105), (450, 23024), (488, 22931), (523, 22862), (548, 22808), (557, 22784), (569, 22766), (583, 22739), (619, 22685), (626, 22670), (633, 22661), (673, 22577), (674, 22571), (677, 22562), (688, 22517), (701, 22487),

Gene: Jeckyll_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Jeckyll_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: JellyBread_32 Start: 23160, Stop: 24080, Start Num: 256
Candidate Starts for JellyBread_32:
(Start: 256 @23160 has 84 MA's), (281, 23217), (325, 23316), (334, 23334), (340, 23346), (417, 23493), (447, 23541), (476, 23586), (481, 23601), (486, 23610), (491, 23616), (498, 23631), (511, 23649), (531, 23691), (537, 23700), (550, 23742), (609, 23826), (623, 23853), (673, 23946), (677, 23961), (707, 24051),

Gene: JellyBread_36 Start: 26251, Stop: 25067, Start Num: 158
Candidate Starts for JellyBread_36:
(95, 26341), (105, 26320), (Start: 158 @26251 has 315 MA's), (Start: 189 @26200 has 14 MA's), (282, 26032), (290, 26014), (359, 25882), (396, 25816), (403, 25804), (406, 25792), (439, 25717), (443, 25708), (467, 25648), (511, 25558), (571, 25432), (583, 25408), (585, 25405), (664, 25282), (670, 25258), (673, 25243), (712, 25123),

Gene: JenCasNa_36 Start: 26750, Stop: 25644, Start Num: 179
Candidate Starts for JenCasNa_36:

(Start: 150 @26789 has 120 MA's), (Start: 179 @26750 has 10 MA's), (203, 26702), (Start: 222 @26666 has 6 MA's), (242, 26621), (322, 26465), (334, 26438), (356, 26402), (403, 26345), (439, 26267), (450, 26243), (463, 26204), (497, 26132), (505, 26120), (510, 26114), (517, 26102), (548, 26027), (549, 26021), (559, 26000), (570, 25985), (579, 25967), (598, 25943), (665, 25829), (677, 25784), (678, 25781), (681, 25772), (685, 25751), (687, 25745), (689, 25733), (707, 25694),

Gene: Jennelsea_37 Start: 28858, Stop: 29976, Start Num: 158
Candidate Starts for Jennelsea_37:
(Start: 158 @28858 has 315 MA's), (235, 28996), (Start: 252 @29029 has 15 MA's), (278, 29077), (329, 29194), (352, 29230), (359, 29239), (412, 29344), (441, 29413), (465, 29473), (471, 29485), (473, 29488), (477, 29500), (483, 29515), (495, 29539), (499, 29545), (514, 29566), (533, 29602), (535, 29605), (548, 29641), (549, 29647), (553, 29659), (555, 29662), (619, 29746), (629, 29761), (664, 29803), (674, 29848), (677, 29857), (687, 29896), (690, 29914), (703, 29935), (707, 29950), (710, 29959), (712, 29962),

Gene: JeppNRM_36 Start: 26642, Stop: 25497, Start Num: 150
Candidate Starts for JeppNRM_36:
(Start: 101 @26705 has 2 MA's), (Start: 150 @26642 has 120 MA's), (Start: 189 @26588 has 14 MA's), (Start: 222 @26519 has 6 MA's), (329, 26300), (334, 26291), (356, 26255), (403, 26198), (439, 26120), (450, 26096), (454, 26087), (497, 25985), (510, 25967), (517, 25955), (548, 25880), (549, 25874), (559, 25853), (570, 25838), (579, 25820), (598, 25796), (677, 25637), (678, 25634), (685, 25604), (687, 25598), (689, 25586), (707, 25547),

Gene: Jerm_35 Start: 26752, Stop: 25625, Start Num: 146
Candidate Starts for Jerm_35:
(Start: 133 @26770 has 7 MA's), (Start: 146 @26752 has 6 MA's), (Start: 194 @26668 has 8 MA's), (Start: 222 @26620 has 6 MA's), (242, 26575), (334, 26392), (356, 26356), (403, 26299), (406, 26287), (454, 26188), (457, 26176), (463, 26158), (510, 26068), (548, 25981), (549, 25975), (559, 25954), (570, 25939), (579, 25921), (600, 25894), (665, 25783), (678, 25735), (679, 25732), (685, 25705), (687, 25699), (689, 25687), (707, 25648),

Gene: Jobu08_35 Start: 26620, Stop: 25475, Start Num: 150
Candidate Starts for Jobu08_35:
(Start: 150 @26620 has 120 MA's), (Start: 179 @26581 has 10 MA's), (203, 26533), (Start: 222 @26497 has 6 MA's), (242, 26452), (322, 26296), (334, 26269), (356, 26233), (403, 26176), (439, 26098), (450, 26074), (463, 26035), (497, 25963), (505, 25951), (510, 25945), (517, 25933), (548, 25858), (549, 25852), (559, 25831), (570, 25816), (579, 25798), (665, 25660), (677, 25615), (678, 25612), (681, 25603), (685, 25582), (687, 25576), (689, 25564), (707, 25525),

Gene: JoshKayV_35 Start: 26714, Stop: 25599, Start Num: 154
Candidate Starts for JoshKayV_35:
(Start: 154 @26714 has 8 MA's), (Start: 222 @26594 has 6 MA's), (242, 26549), (322, 26393), (334, 26366), (356, 26330), (403, 26273), (406, 26261), (439, 26195), (463, 26132), (510, 26042), (548, 25955), (549, 25949), (559, 25928), (570, 25913), (579, 25895), (614, 25844), (665, 25757), (678, 25709), (685, 25679), (687, 25673), (689, 25661), (707, 25622),

Gene: Journey13_31 Start: 25582, Stop: 24464, Start Num: 150
Candidate Starts for Journey13_31:
(66, 25732), (103, 25642), (Start: 150 @25582 has 120 MA's), (Start: 189 @25528 has 14 MA's), (Start: 222 @25459 has 6 MA's), (232, 25441), (274, 25366), (277, 25360), (322, 25258), (326, 25246), (356, 25195), (403, 25138), (412, 25111), (483, 24952), (510, 24907), (517, 24895), (548, 24820), (549, 24814), (559, 24793), (570, 24778), (579, 24760), (600, 24733), (665, 24622), (678, 24574), (679, 24571), (685, 24544), (687, 24538), (689, 24526), (707, 24487),

Gene: Joy99_41 Start: 32524, Stop: 33612, Start Num: 158
Candidate Starts for Joy99_41:
(14, 31921), (22, 32098), (41, 32263), (50, 32302), (Start: 158 @32524 has 315 MA's), (Start: 189 @32575 has 14 MA's), (Start: 222 @32626 has 6 MA's), (234, 32650), (Start: 252 @32686 has 15 MA's), (258, 32695), (322, 32824), (406, 32962), (439, 33031), (440, 33034), (510, 33184), (553, 33289), (661, 33424),

Gene: Jsquared_34 Start: 25672, Stop: 24548, Start Num: 150
Candidate Starts for Jsquared_34:
(Start: 150 @25672 has 120 MA's), (199, 25594), (Start: 222 @25549 has 6 MA's), (242, 25504), (279, 25444), (334, 25321), (356, 25285), (401, 25231), (403, 25228), (439, 25150), (457, 25105), (458, 25102), (463, 25087), (477, 25057), (505, 25003), (510, 24997), (526, 24964), (548, 24910), (559, 24883), (570, 24868), (579, 24850), (600, 24823), (665, 24712), (678, 24664), (679, 24661), (681, 24655), (685, 24634), (687, 24628), (689, 24616), (707, 24577),

Gene: Judy_35 Start: 24877, Stop: 25797, Start Num: 256
Candidate Starts for Judy_35:
(Start: 256 @24877 has 84 MA's), (325, 25033), (334, 25051), (340, 25063), (417, 25210), (421, 25219), (447, 25258), (486, 25327), (491, 25333), (511, 25366), (531, 25408), (550, 25459), (667, 25639), (673, 25663), (677, 25678), (679, 25684), (706, 25765), (707, 25768),

Gene: Judy_39 Start: 26980, Stop: 28122, Start Num: 158
Candidate Starts for Judy_39:
(Start: 158 @26980 has 315 MA's), (349, 27334), (352, 27340), (363, 27355), (390, 27409), (412, 27466), (439, 27526), (440, 27529), (453, 27556), (477, 27619), (535, 27739), (550, 27787), (626, 27913), (636, 27925), (677, 28021), (701, 28096),

Gene: Juice456_44 Start: 33520, Stop: 34638, Start Num: 158
Candidate Starts for Juice456_44:
(Start: 158 @33520 has 315 MA's), (235, 33658), (Start: 252 @33691 has 15 MA's), (278, 33739), (329, 33856), (352, 33892), (359, 33901), (412, 34006), (441, 34075), (457, 34114), (463, 34132), (465, 34135), (471, 34147), (473, 34150), (477, 34162), (483, 34177), (495, 34201), (499, 34207), (514, 34228), (533, 34264), (535, 34267), (548, 34303), (549, 34309), (553, 34321), (555, 34324), (566, 34339), (619, 34408), (629, 34423), (664, 34465), (674, 34510), (677, 34519), (687, 34558), (690, 34576), (703, 34597), (707, 34612), (710, 34621), (712, 34624),

Gene: Juicebox_26 Start: 25055, Stop: 23880, Start Num: 161
Candidate Starts for Juicebox_26:
(Start: 161 @25055 has 5 MA's), (188, 25028), (239, 24917), (278, 24833), (299, 24773), (312, 24749), (354, 24671), (373, 24650), (382, 24641), (420, 24545), (432, 24518), (444, 24485), (468, 24428), (472, 24419), (476, 24410), (478, 24401), (480, 24398), (482, 24392), (489, 24380), (527, 24314), (549, 24266), (564, 24242), (589, 24200), (591, 24197), (593, 24194), (612, 24173), (642, 24125), (664, 24092), (673, 24053), (677, 24038), (685, 24005), (716, 23921), (733, 23897),

Gene: JuicyJay_79 Start: 54197, Stop: 55426, Start Num: 136
Candidate Starts for JuicyJay_79:
(Start: 136 @54197 has 29 MA's), (Start: 148 @54215 has 1 MA's), (Start: 170 @54254 has 1 MA's), (282, 54491), (329, 54599), (395, 54719), (396, 54722), (401, 54731), (406, 54746), (422, 54785), (458, 54863), (514, 54968), (520, 54980), (529, 54983), (533, 54992), (551, 55043), (553, 55046), (566, 55064), (617, 55160), (652, 55217), (684, 55337), (685, 55340), (690, 55364), (704, 55388), (705, 55391),

Gene: Julie_35 Start: 26941, Stop: 27861, Start Num: 256
Candidate Starts for Julie_35:
(196, 26809), (200, 26815), (207, 26836), (225, 26875), (Start: 256 @26941 has 84 MA's), (265, 26965), (303, 27055), (325, 27097), (334, 27115), (340, 27127), (417, 27274), (447, 27322), (476, 27367), (486, 27391), (491, 27397), (511, 27430), (531, 27472), (609, 27607), (623, 27634), (667, 27703), (673, 27727), (707, 27832),

Gene: Juniper1_40 Start: 31679, Stop: 32797, Start Num: 158
Candidate Starts for Juniper1_40:
(Start: 158 @31679 has 315 MA's), (Start: 252 @31850 has 15 MA's), (278, 31898), (352, 32051), (359, 32060), (403, 32141), (441, 32234), (465, 32294), (471, 32306), (473, 32309), (483, 32336), (495, 32360), (514, 32387), (533, 32423), (535, 32426), (548, 32462), (566, 32498), (619, 32567), (629, 32582), (650, 32600), (674, 32669), (677, 32678), (687, 32717), (690, 32735), (707, 32771), (710, 32780), (712, 32783),

Gene: Kabloowy_40 Start: 27949, Stop: 26810, Start Num: 158
Candidate Starts for Kabloowy_40:
(Start: 158 @27949 has 315 MA's), (Start: 189 @27898 has 14 MA's), (282, 27730), (290, 27712), (329, 27625), (359, 27580), (403, 27502), (439, 27415), (443, 27406), (511, 27256), (555, 27151), (571, 27130), (585, 27103), (664, 26980), (670, 26956), (673, 26941), (692, 26866), (706, 26836),

Gene: Kabloowy_36 Start: 24752, Stop: 25669, Start Num: 256
Candidate Starts for Kabloowy_36:
(196, 24623), (200, 24629), (Start: 256 @24752 has 84 MA's), (325, 24908), (333, 24923), (340, 24935), (417, 25082), (421, 25091), (447, 25130), (476, 25175), (486, 25199), (491, 25205), (511, 25238), (531, 25280), (537, 25289), (550, 25331), (609, 25415), (673, 25535), (677, 25550),

Gene: Kachowdy_33 Start: 26270, Stop: 25230, Start Num: 203
Candidate Starts for Kachowdy_33:
(Start: 150 @26357 has 120 MA's), (203, 26270), (Start: 222 @26234 has 6 MA's), (242, 26189), (322, 26033), (326, 26021), (329, 26015), (356, 25970), (401, 25916), (403, 25913), (410, 25889), (497, 25700), (510, 25682), (517, 25670), (535, 25631), (548, 25595), (549, 25589), (559, 25568), (570, 25553), (579, 25535), (665, 25397), (678, 25349), (685, 25319), (687, 25313), (689, 25301), (707, 25262),

Gene: Kalah2_76 Start: 52356, Stop: 53585, Start Num: 136
Candidate Starts for Kalah2_76:
(Start: 136 @52356 has 29 MA's), (Start: 148 @52374 has 1 MA's), (Start: 170 @52413 has 1 MA's), (282, 52650), (329, 52758), (395, 52878), (396, 52881), (401, 52890), (406, 52905), (422, 52944), (458, 53022), (514, 53127), (520, 53139), (529, 53142), (533, 53151), (551, 53202), (553, 53205), (566, 53223), (617, 53319), (652, 53376), (684, 53496), (685, 53499), (690, 53523), (704, 53547), (705, 53550),

Gene: Kalb97_36 Start: 26642, Stop: 25497, Start Num: 150
Candidate Starts for Kalb97_36:
(Start: 101 @26705 has 2 MA's), (Start: 150 @26642 has 120 MA's), (Start: 189 @26588 has 14 MA's), (Start: 222 @26519 has 6 MA's), (329, 26300), (334, 26291), (356, 26255), (403, 26198), (439, 26120), (454, 26087), (497, 25985), (510, 25967), (517, 25955), (548, 25880), (549, 25874), (559, 25853), (570, 25838), (579, 25820), (598, 25796), (677, 25637), (678, 25634), (685, 25604), (687, 25598), (689, 25586), (707, 25547),

Gene: Kalnoky_36 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Kalnoky_36:

(Start: 101 @26706 has 2 MA's), (Start: 150 @26643 has 120 MA's), (Start: 189 @26589 has 14 MA's), (Start: 222 @26520 has 6 MA's), (329, 26301), (334, 26292), (356, 26256), (403, 26199), (439, 26121), (454, 26088), (497, 25986), (510, 25968), (517, 25956), (548, 25881), (549, 25875), (559, 25854), (570, 25839), (579, 25821), (598, 25797), (677, 25638), (678, 25635), (685, 25605), (687, 25599), (689, 25587), (707, 25548),

Gene: Kalpine_35 Start: 27525, Stop: 26410, Start Num: 152
Candidate Starts for Kalpine_35:
(Start: 152 @27525 has 2 MA's), (Start: 222 @27405 has 6 MA's), (242, 27360), (284, 27288), (329, 27186), (334, 27177), (356, 27141), (396, 27096), (401, 27087), (403, 27084), (454, 26973), (457, 26961), (510, 26853), (517, 26841), (543, 26784), (548, 26766), (549, 26760), (559, 26739), (570, 26724), (579, 26706), (600, 26679), (665, 26568), (678, 26520), (685, 26490), (687, 26484), (689, 26472), (707, 26433),

Gene: Kamaru_44 Start: 31555, Stop: 32652, Start Num: 158
Candidate Starts for Kamaru_44:
(27, 31219), (45, 31315), (110, 31498), (Start: 158 @31555 has 315 MA's), (Start: 189 @31606 has 14 MA's), (233, 31678), (235, 31684), (249, 31711), (278, 31756), (294, 31798), (352, 31906), (401, 31975), (406, 31990), (440, 32065), (457, 32107), (471, 32140), (473, 32143), (477, 32155), (535, 32257), (582, 32350), (631, 32422), (664, 32458), (670, 32482), (676, 32509), (688, 32557), (712, 32617),

Gene: Kampy_33 Start: 26181, Stop: 25129, Start Num: 194
Candidate Starts for Kampy_33:
(Start: 113 @26295 has 3 MA's), (135, 26268), (Start: 150 @26250 has 120 MA's), (Start: 194 @26181 has 8 MA's), (Start: 222 @26127 has 6 MA's), (329, 25908), (334, 25899), (356, 25863), (395, 25821), (401, 25809), (403, 25806), (439, 25728), (497, 25593), (510, 25575), (548, 25488), (549, 25482), (559, 25461), (570, 25446), (579, 25428), (665, 25290), (678, 25242), (685, 25212), (687, 25206), (689, 25194), (707, 25155),

Gene: Karkharias_34 Start: 24280, Stop: 25200, Start Num: 256
Candidate Starts for Karkharias_34:
(Start: 236 @24238 has 1 MA's), (Start: 256 @24280 has 84 MA's), (325, 24436), (334, 24454), (340, 24466), (417, 24613), (421, 24622), (447, 24661), (486, 24730), (491, 24736), (511, 24769), (531, 24811), (539, 24823), (667, 25042), (673, 25066), (677, 25081), (679, 25087), (706, 25168), (707, 25171),

Gene: KashFlow_76 Start: 48091, Stop: 49320, Start Num: 136
Candidate Starts for KashFlow_76:
(Start: 136 @48091 has 29 MA's), (Start: 148 @48109 has 1 MA's), (Start: 170 @48148 has 1 MA's), (282, 48385), (329, 48493), (395, 48613), (396, 48616), (401, 48625), (406, 48640), (422, 48679), (458, 48757), (520, 48874), (529, 48877), (533, 48886), (551, 48937), (553, 48940), (566, 48958), (617, 49054), (652, 49111), (684, 49231), (685, 49234), (690, 49258), (704, 49282), (705, 49285),

Gene: KayMoney_35 Start: 24398, Stop: 25318, Start Num: 256
Candidate Starts for KayMoney_35:
(Start: 256 @24398 has 84 MA's), (325, 24554), (334, 24572), (340, 24584), (417, 24731), (421, 24740), (447, 24779), (486, 24848), (491, 24854), (511, 24887), (531, 24929), (550, 24980), (667, 25160), (673, 25184), (677, 25199), (679, 25205), (706, 25286), (707, 25289),

Gene: KayMoney_38 Start: 26157, Stop: 27299, Start Num: 158
Candidate Starts for KayMoney_38:

(Start: 151 @26148 has 1 MA's), (Start: 158 @26157 has 315 MA's), (352, 26517), (365, 26535), (412, 26643), (439, 26703), (477, 26796), (535, 26916), (550, 26964), (569, 26994), (626, 27090), (677, 27198), (701, 27273),

Gene: Kenna_49 Start: 32526, Stop: 33596, Start Num: 158
Candidate Starts for Kenna_49:
(Start: 158 @32526 has 315 MA's), (Start: 189 @32577 has 14 MA's), (235, 32655), (249, 32682), (352, 32877), (359, 32886), (396, 32937), (401, 32946), (403, 32949), (406, 32961), (427, 33006), (443, 33042), (457, 33078), (471, 33111), (473, 33114), (477, 33126), (561, 33294), (631, 33393), (670, 33453), (676, 33480), (677, 33483), (683, 33510), (685, 33516), (688, 33528), (710, 33585),

Gene: Kenuha5_39 Start: 31177, Stop: 32295, Start Num: 158
Candidate Starts for Kenuha5_39:
(Start: 158 @31177 has 315 MA's), (Start: 252 @31348 has 15 MA's), (329, 31513), (352, 31549), (359, 31558), (412, 31663), (441, 31732), (457, 31771), (465, 31792), (471, 31804), (473, 31807), (477, 31819), (483, 31834), (495, 31858), (499, 31864), (514, 31885), (533, 31921), (535, 31924), (548, 31960), (549, 31966), (555, 31981), (566, 31996), (619, 32065), (629, 32080), (664, 32122), (674, 32167), (677, 32176), (687, 32215), (690, 32233), (703, 32254), (707, 32269), (710, 32278), (712, 32281),

Gene: Kerberos_37 Start: 26420, Stop: 25350, Start Num: 189
Candidate Starts for Kerberos_37:
(Start: 150 @26474 has 120 MA's), (Start: 189 @26420 has 14 MA's), (Start: 222 @26351 has 6 MA's), (322, 26150), (334, 26123), (356, 26087), (403, 26030), (412, 26003), (439, 25952), (454, 25919), (457, 25907), (463, 25889), (497, 25817), (510, 25799), (517, 25787), (535, 25748), (548, 25712), (549, 25706), (559, 25685), (570, 25670), (579, 25652), (600, 25625), (665, 25514), (678, 25466), (679, 25463), (685, 25436), (687, 25430), (689, 25418), (707, 25379),

Gene: KiSi_45 Start: 33691, Stop: 34776, Start Num: 158
Candidate Starts for KiSi_45:
(1, 32323), (2, 32353), (3, 32512), (4, 32560), (5, 32629), (6, 32653), (7, 32734), (8, 32743), (9, 32767), (10, 32887), (15, 33088), (17, 33106), (20, 33184), (28, 33355), (42, 33430), (50, 33469), (64, 33523), (Start: 158 @33691 has 315 MA's), (237, 33826), (Start: 252 @33853 has 15 MA's), (322, 33991), (343, 34033), (352, 34045), (406, 34129), (439, 34198), (440, 34201), (457, 34243), (510, 34351), (553, 34456), (619, 34543), (661, 34591), (688, 34699), (707, 34747),

Gene: Kihatsu_37 Start: 26637, Stop: 27557, Start Num: 256
Candidate Starts for Kihatsu_37:
(Start: 256 @26637 has 84 MA's), (325, 26793), (334, 26811), (340, 26823), (417, 26970), (421, 26979), (447, 27018), (481, 27078), (486, 27087), (491, 27093), (511, 27126), (531, 27168), (539, 27180), (549, 27213), (550, 27219), (553, 27225), (609, 27303), (667, 27399), (679, 27444), (706, 27525), (707, 27528),

Gene: Kiko_37 Start: 28964, Stop: 29881, Start Num: 256
Candidate Starts for Kiko_37:
(Start: 252 @28958 has 15 MA's), (Start: 256 @28964 has 84 MA's), (342, 29147), (346, 29153), (347, 29159), (450, 29345), (486, 29408), (491, 29414), (498, 29429), (548, 29528), (549, 29534), (553, 29546), (609, 29621), (621, 29645), (623, 29648), (667, 29720), (668, 29723), (677, 29759),

Gene: Kimona_30 Start: 24408, Stop: 23293, Start Num: 150
Candidate Starts for Kimona_30:
(Start: 126 @24435 has 1 MA's), (135, 24426), (Start: 150 @24408 has 120 MA's), (199, 24330), (Start: 222 @24285 has 6 MA's), (329, 24066), (334, 24057), (356, 24021), (401, 23967), (403, 23964),

(439, 23886), (510, 23733), (512, 23730), (548, 23646), (559, 23619), (570, 23604), (579, 23586), (600, 23559), (665, 23448), (678, 23400), (685, 23370), (687, 23364), (689, 23352), (699, 23331), (707, 23313),

Gene: Kinbote_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Kinbote_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: KingCyrus_36 Start: 28129, Stop: 27002, Start Num: 146
Candidate Starts for KingCyrus_36:
(Start: 133 @28147 has 7 MA's), (Start: 146 @28129 has 6 MA's), (Start: 194 @28048 has 8 MA's), (Start: 222 @28000 has 6 MA's), (242, 27955), (322, 27799), (334, 27772), (356, 27736), (403, 27679), (406, 27667), (439, 27601), (454, 27568), (457, 27556), (463, 27538), (510, 27448), (517, 27436), (548, 27361), (549, 27355), (559, 27334), (570, 27319), (579, 27301), (598, 27277), (600, 27274), (606, 27265), (665, 27163), (678, 27115), (679, 27112), (685, 27085), (687, 27079), (689, 27067), (707, 27028),

Gene: KingJulian_42 Start: 32428, Stop: 33546, Start Num: 158
Candidate Starts for KingJulian_42:
(Start: 158 @32428 has 315 MA's), (Start: 163 @32437 has 3 MA's), (Start: 252 @32599 has 15 MA's), (329, 32764), (352, 32800), (359, 32809), (412, 32914), (441, 32983), (457, 33022), (463, 33040), (465, 33043), (471, 33055), (473, 33058), (477, 33070), (483, 33085), (495, 33109), (499, 33115), (514, 33136), (533, 33172), (535, 33175), (548, 33211), (549, 33217), (555, 33232), (566, 33247), (619, 33316), (629, 33331), (664, 33373), (674, 33418), (677, 33427), (681, 33439), (687, 33466), (690, 33484), (703, 33505), (707, 33520), (710, 33529), (712, 33532),

Gene: Kingsley_38 Start: 30711, Stop: 31829, Start Num: 158
Candidate Starts for Kingsley_38:
(Start: 158 @30711 has 315 MA's), (Start: 252 @30882 has 15 MA's), (329, 31047), (352, 31083), (359, 31092), (403, 31173), (412, 31197), (441, 31266), (457, 31305), (463, 31323), (465, 31326), (471, 31338), (473, 31341), (477, 31353), (483, 31368), (495, 31392), (499, 31398), (514, 31419), (533, 31455), (535, 31458), (548, 31494), (549, 31500), (553, 31512), (555, 31515), (566, 31530), (619, 31599), (629, 31614), (664, 31656), (674, 31701), (677, 31710), (687, 31749), (690, 31767), (703, 31788), (707, 31803), (710, 31812), (712, 31815),

Gene: Kita_40 Start: 30461, Stop: 31654, Start Num: 83
Candidate Starts for Kita_40:
(Start: 83 @30461 has 6 MA's), (Start: 155 @30572 has 58 MA's), (Start: 189 @30626 has 14 MA's), (258, 30746), (401, 31001), (412, 31031), (440, 31091), (467, 31157), (477, 31181), (670, 31511), (676, 31538), (710, 31643),

Gene: Klein_81 Start: 51782, Stop: 53011, Start Num: 136
Candidate Starts for Klein_81:
(Start: 136 @51782 has 29 MA's), (Start: 148 @51800 has 1 MA's), (Start: 170 @51839 has 1 MA's), (282, 52076), (329, 52184), (395, 52304), (396, 52307), (401, 52316), (406, 52331), (422, 52370), (458, 52448), (514, 52553), (520, 52565), (529, 52568), (533, 52577), (551, 52628), (553, 52631), (566, 52649), (617, 52745), (652, 52802), (684, 52922), (685, 52925), (690, 52949), (704, 52973),

(705, 52976),

Gene: Koduck_33 Start: 25409, Stop: 24294, Start Num: 155
Candidate Starts for Koduck_33:
(Start: 155 @25409 has 58 MA's), (203, 25328), (Start: 222 @25292 has 6 MA's), (242, 25247), (289, 25160), (322, 25091), (326, 25079), (334, 25064), (343, 25049), (356, 25028), (401, 24974), (403, 24971), (497, 24758), (505, 24746), (510, 24740), (517, 24728), (526, 24707), (548, 24653), (559, 24626), (570, 24611), (579, 24593), (600, 24566), (678, 24407), (685, 24377), (687, 24371), (689, 24359), (707, 24320),

Gene: KristaRAM_43 Start: 33503, Stop: 34630, Start Num: 158
Candidate Starts for KristaRAM_43:
(85, 33401), (123, 33458), (Start: 158 @33503 has 315 MA's), (Start: 163 @33512 has 3 MA's), (Start: 252 @33674 has 15 MA's), (276, 33725), (282, 33743), (299, 33788), (352, 33884), (359, 33893), (403, 33974), (412, 33998), (441, 34067), (457, 34106), (465, 34127), (471, 34139), (473, 34142), (477, 34154), (483, 34169), (495, 34193), (499, 34199), (514, 34220), (533, 34256), (535, 34259), (548, 34295), (549, 34301), (553, 34313), (555, 34316), (566, 34331), (619, 34400), (629, 34415), (664, 34457), (674, 34502), (677, 34511), (687, 34550), (690, 34568), (703, 34589), (707, 34604), (710, 34613), (712, 34616),

Gene: Kudefre_6 Start: 2520, Stop: 1432, Start Num: 164
Candidate Starts for Kudefre_6:
(95, 2625), (149, 2541), (Start: 164 @2520 has 4 MA's), (259, 2349), (297, 2259), (306, 2235), (449, 1983), (465, 1950), (483, 1908), (493, 1893), (504, 1872), (511, 1863), (514, 1857), (549, 1773), (558, 1758), (615, 1671), (632, 1638), (676, 1545), (684, 1512), (687, 1503), (688, 1497),

Gene: Kukla_36 Start: 28255, Stop: 27116, Start Num: 166
Candidate Starts for Kukla_36:
(Start: 166 @28255 has 2 MA's), (203, 28189), (240, 28114), (250, 28093), (277, 28048), (309, 27964), (339, 27907), (348, 27889), (388, 27853), (401, 27823), (406, 27808), (410, 27796), (418, 27775), (439, 27739), (440, 27736), (450, 27715), (465, 27673), (467, 27670), (477, 27646), (510, 27589), (563, 27481), (597, 27430), (643, 27358), (673, 27289), (675, 27280), (723, 27148), (729, 27142),

Gene: Kumotta_30 Start: 23663, Stop: 24967, Start Num: 139
Candidate Starts for Kumotta_30:
(Start: 139 @23663 has 2 MA's), (178, 23720), (217, 23807), (220, 23816), (230, 23837), (273, 23939), (293, 23993), (296, 23999), (319, 24044), (322, 24053), (337, 24092), (442, 24338), (572, 24611), (604, 24668), (660, 24764), (666, 24791), (679, 24839), (685, 24866), (694, 24896), (700, 24911), (705, 24923),

Gene: L5_33 Start: 25369, Stop: 24254, Start Num: 155
Candidate Starts for L5_33:
(Start: 155 @25369 has 58 MA's), (203, 25288), (Start: 222 @25252 has 6 MA's), (242, 25207), (289, 25120), (322, 25051), (326, 25039), (334, 25024), (343, 25009), (356, 24988), (401, 24934), (403, 24931), (497, 24718), (505, 24706), (510, 24700), (517, 24688), (526, 24667), (548, 24613), (559, 24586), (570, 24571), (579, 24553), (600, 24526), (678, 24367), (685, 24337), (687, 24331), (689, 24319), (707, 24280),

Gene: LBerry_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for LBerry_36:
(Start: 150 @26790 has 120 MA's), (Start: 179 @26751 has 10 MA's), (203, 26703), (Start: 222 @26667 has 6 MA's), (242, 26622), (322, 26466), (334, 26439), (356, 26403), (403, 26346), (439, 26268), (450, 26244), (463, 26205), (497, 26133), (505, 26121), (510, 26115), (517, 26103), (548,

26028), (549, 26022), (559, 26001), (570, 25986), (579, 25968), (598, 25944), (665, 25830), (677, 25785), (678, 25782), (681, 25773), (685, 25752), (687, 25746), (689, 25734), (707, 25695),

Gene: LHTSCC_34 Start: 26518, Stop: 25466, Start Num: 194
Candidate Starts for LHTSCC_34:
(135, 26605), (Start: 150 @26587 has 120 MA's), (Start: 194 @26518 has 8 MA's), (Start: 222 @26464 has 6 MA's), (329, 26245), (334, 26236), (356, 26200), (395, 26158), (401, 26146), (403, 26143), (497, 25930), (510, 25912), (548, 25825), (549, 25819), (559, 25798), (570, 25783), (579, 25765), (665, 25627), (678, 25579), (685, 25549), (687, 25543), (689, 25531), (707, 25492),

Gene: Lamberg_33 Start: 26384, Stop: 27466, Start Num: 155
Candidate Starts for Lamberg_33:
(Start: 81 @26267 has 2 MA's), (Start: 83 @26273 has 6 MA's), (Start: 155 @26384 has 58 MA's), (Start: 189 @26438 has 14 MA's), (258, 26558), (401, 26813), (412, 26843), (440, 26903), (467, 26969), (477, 26993), (516, 27062), (533, 27098), (670, 27323), (676, 27350), (710, 27455),

Gene: Landor_35 Start: 28009, Stop: 26867, Start Num: 138
Candidate Starts for Landor_35:
(Start: 138 @28009 has 2 MA's), (Start: 222 @27874 has 6 MA's), (242, 27829), (245, 27823), (268, 27784), (306, 27700), (326, 27661), (356, 27610), (432, 27499), (454, 27442), (457, 27430), (477, 27382), (510, 27322), (512, 27319), (548, 27235), (549, 27229), (559, 27208), (570, 27193), (579, 27175), (678, 26989), (685, 26959), (687, 26953), (689, 26941), (707, 26902), (718, 26878),

Gene: Larenn_35 Start: 26836, Stop: 25694, Start Num: 133
Candidate Starts for Larenn_35:
(Start: 133 @26836 has 7 MA's), (Start: 146 @26818 has 6 MA's), (Start: 222 @26689 has 6 MA's), (242, 26644), (329, 26470), (334, 26461), (356, 26425), (403, 26368), (439, 26290), (454, 26257), (457, 26245), (463, 26227), (510, 26137), (517, 26125), (548, 26050), (549, 26044), (559, 26023), (570, 26008), (579, 25990), (600, 25963), (665, 25852), (678, 25804), (679, 25801), (685, 25774), (687, 25768), (689, 25756), (707, 25717),

Gene: Lasker_36 Start: 24581, Stop: 25501, Start Num: 256
Candidate Starts for Lasker_36:
(Start: 256 @24581 has 84 MA's), (303, 24695), (325, 24737), (334, 24755), (340, 24767), (417, 24914), (421, 24923), (447, 24962), (476, 25007), (486, 25031), (491, 25037), (511, 25070), (531, 25112), (537, 25121), (550, 25163), (609, 25247), (677, 25382),

Gene: Lasker_39 Start: 27772, Stop: 26633, Start Num: 158
Candidate Starts for Lasker_39:
(Start: 146 @27787 has 6 MA's), (Start: 158 @27772 has 315 MA's), (Start: 189 @27721 has 14 MA's), (282, 27553), (290, 27535), (359, 27403), (403, 27325), (406, 27313), (408, 27307), (439, 27238), (443, 27229), (467, 27169), (511, 27079), (555, 26974), (571, 26953), (585, 26926), (664, 26803), (670, 26779), (673, 26764), (692, 26689), (706, 26659),

Gene: LastJedi_34 Start: 27598, Stop: 28716, Start Num: 158
Candidate Starts for LastJedi_34:
(Start: 158 @27598 has 315 MA's), (Start: 163 @27607 has 3 MA's), (Start: 252 @27769 has 15 MA's), (329, 27934), (352, 27970), (359, 27979), (403, 28060), (412, 28084), (441, 28153), (457, 28192), (463, 28210), (465, 28213), (471, 28225), (473, 28228), (477, 28240), (483, 28255), (495, 28279), (499, 28285), (514, 28306), (533, 28342), (535, 28345), (548, 28381), (549, 28387), (555, 28402), (566, 28417), (619, 28486), (629, 28501), (664, 28543), (674, 28588), (677, 28597), (687, 28636), (690, 28654), (703, 28675), (707, 28690), (710, 28699), (712, 28702),

Gene: LaterM_42 Start: 33376, Stop: 34464, Start Num: 158
Candidate Starts for LaterM_42:
(Start: 158 @33376 has 315 MA's), (Start: 222 @33478 has 6 MA's), (234, 33502), (Start: 252 @33538 has 15 MA's), (282, 33589), (308, 33652), (322, 33676), (352, 33730), (355, 33733), (406, 33814), (439, 33883), (440, 33886), (454, 33916), (510, 34036), (545, 34114), (553, 34141), (661, 34276),

Gene: Lawnathon_40 Start: 27623, Stop: 26484, Start Num: 158
Candidate Starts for Lawnathon_40:
(Start: 158 @27623 has 315 MA's), (Start: 189 @27572 has 14 MA's), (282, 27404), (290, 27386), (359, 27254), (403, 27176), (406, 27164), (408, 27158), (439, 27089), (443, 27080), (467, 27020), (511, 26930), (555, 26825), (571, 26804), (585, 26777), (664, 26654), (670, 26630), (673, 26615), (692, 26540), (706, 26510),

Gene: Lawnathon_36 Start: 24435, Stop: 25352, Start Num: 256
Candidate Starts for Lawnathon_36:
(196, 24306), (200, 24312), (Start: 256 @24435 has 84 MA's), (325, 24591), (333, 24606), (340, 24618), (417, 24765), (421, 24774), (447, 24813), (476, 24858), (486, 24882), (491, 24888), (511, 24921), (531, 24963), (537, 24972), (550, 25014), (609, 25098), (677, 25233),

Gene: LeBruni_39 Start: 27007, Stop: 25868, Start Num: 158
Candidate Starts for LeBruni_39:
(Start: 139 @27031 has 2 MA's), (Start: 158 @27007 has 315 MA's), (182, 26968), (Start: 189 @26956 has 14 MA's), (282, 26788), (290, 26770), (359, 26638), (403, 26560), (406, 26548), (439, 26473), (443, 26464), (467, 26404), (511, 26314), (585, 26161), (628, 26092), (664, 26038), (670, 26014), (673, 25999), (706, 25894),

Gene: LeMond_45 Start: 33694, Stop: 34779, Start Num: 158
Candidate Starts for LeMond_45:
(64, 33526), (Start: 158 @33694 has 315 MA's), (237, 33829), (Start: 252 @33856 has 15 MA's), (322, 33994), (343, 34036), (352, 34048), (406, 34132), (439, 34201), (440, 34204), (457, 34246), (510, 34354), (553, 34459), (619, 34546), (661, 34594), (688, 34702), (707, 34750),

Gene: Lederberg_27 Start: 25613, Stop: 24285, Start Num: 91
Candidate Starts for Lederberg_27:
(Start: 91 @25613 has 3 MA's), (Start: 114 @25577 has 10 MA's), (121, 25568), (Start: 161 @25511 has 5 MA's), (272, 25301), (274, 25298), (318, 25199), (325, 25181), (370, 25115), (373, 25109), (383, 25097), (448, 24932), (466, 24887), (476, 24866), (480, 24854), (493, 24830), (507, 24806), (511, 24800), (528, 24764), (568, 24668), (603, 24611), (627, 24566), (643, 24542), (660, 24527), (676, 24461), (677, 24458), (683, 24431), (688, 24413), (713, 24353), (738, 24299),

Gene: Lenoxika_36 Start: 26286, Stop: 27206, Start Num: 256
Candidate Starts for Lenoxika_36:
(Start: 256 @26286 has 84 MA's), (325, 26442), (334, 26460), (340, 26472), (417, 26619), (421, 26628), (447, 26667), (486, 26736), (491, 26742), (511, 26775), (531, 26817), (539, 26829), (550, 26868), (667, 27048), (673, 27072), (677, 27087), (679, 27093), (706, 27174), (707, 27177),

Gene: LeoAvram_33 Start: 26179, Stop: 25127, Start Num: 194
Candidate Starts for LeoAvram_33:
(Start: 113 @26293 has 3 MA's), (135, 26266), (Start: 150 @26248 has 120 MA's), (Start: 194 @26179 has 8 MA's), (Start: 222 @26125 has 6 MA's), (329, 25906), (334, 25897), (356, 25861), (395, 25819), (401, 25807), (403, 25804), (439, 25726), (497, 25591), (510, 25573), (548, 25486), (549, 25480), (559, 25459), (570, 25444), (579, 25426), (665, 25288), (678, 25240), (685, 25210), (687, 25204), (689, 25192), (707, 25153),

Gene: Leogania_35 Start: 28027, Stop: 26906, Start Num: 150
Candidate Starts for Leogania_35:
(Start: 101 @28090 has 2 MA's), (Start: 150 @28027 has 120 MA's), (Start: 189 @27973 has 14 MA's), (Start: 222 @27904 has 6 MA's), (242, 27859), (356, 27640), (432, 27529), (457, 27460), (510, 27352), (512, 27349), (517, 27340), (548, 27265), (549, 27259), (559, 27238), (570, 27223), (579, 27205), (665, 27067), (678, 27019), (679, 27016), (685, 26989), (687, 26983), (689, 26971), (707, 26932),

Gene: Leroy_50 Start: 33450, Stop: 34544, Start Num: 158
Candidate Starts for Leroy_50:
(Start: 158 @33450 has 315 MA's), (Start: 189 @33501 has 14 MA's), (233, 33573), (235, 33579), (249, 33606), (278, 33651), (294, 33693), (329, 33765), (401, 33870), (406, 33885), (427, 33930), (457, 34002), (471, 34035), (473, 34038), (477, 34050), (559, 34215), (670, 34377), (671, 34380), (677, 34407), (681, 34419), (712, 34512),

Gene: Leviathan_35 Start: 26826, Stop: 25681, Start Num: 133
Candidate Starts for Leviathan_35:
(Start: 133 @26826 has 7 MA's), (Start: 146 @26808 has 6 MA's), (Start: 194 @26724 has 8 MA's), (Start: 222 @26676 has 6 MA's), (242, 26631), (334, 26448), (356, 26412), (403, 26355), (406, 26343), (454, 26244), (463, 26214), (510, 26124), (517, 26112), (548, 26037), (549, 26031), (559, 26010), (570, 25995), (579, 25977), (600, 25950), (665, 25839), (678, 25791), (679, 25788), (685, 25761), (687, 25755), (689, 25743), (707, 25704),

Gene: LilHazelnut_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for LilHazelnut_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: LilJank_9 Start: 3475, Stop: 2372, Start Num: 197
Candidate Starts for LilJank_9:
(Start: 187 @3502 has 20 MA's), (Start: 197 @3475 has 12 MA's), (203, 3463), (227, 3409), (Start: 236 @3394 has 1 MA's), (246, 3370), (258, 3343), (317, 3217), (375, 3145), (403, 3082), (406, 3070), (422, 3031), (460, 2947), (470, 2926), (485, 2890), (516, 2839), (549, 2770), (616, 2638), (644, 2578), (657, 2542), (664, 2527), (673, 2488), (683, 2446),

Gene: LilPharaoh_36 Start: 31976, Stop: 33070, Start Num: 158
Candidate Starts for LilPharaoh_36:
(26, 31625), (Start: 29 @31640 has 1 MA's), (45, 31733), (50, 31754), (78, 31847), (Start: 158 @31976 has 315 MA's), (Start: 189 @32027 has 14 MA's), (234, 32102), (Start: 252 @32138 has 15 MA's), (299, 32234), (308, 32252), (322, 32276), (349, 32324), (352, 32330), (426, 32462), (439, 32495), (457, 32540), (510, 32648), (553, 32753), (606, 32813), (661, 32888), (688, 32996), (704, 33032),

Gene: LilSpotty_38 Start: 27607, Stop: 28713, Start Num: 158
Candidate Starts for LilSpotty_38:
(Start: 158 @27607 has 315 MA's), (246, 27766), (261, 27802), (352, 27979), (406, 28063), (427, 28108), (439, 28132), (453, 28162), (454, 28165), (467, 28201), (471, 28210), (473, 28213), (495, 28264), (510, 28285), (545, 28363), (549, 28378), (597, 28438), (619, 28477), (629, 28492), (664,

28543), (670, 28567), (674, 28588),

Gene: LilTurb_34 Start: 26659, Stop: 25508, Start Num: 133
Candidate Starts for LilTurb_34:
(Start: 133 @26659 has 7 MA's), (Start: 146 @26641 has 6 MA's), (Start: 194 @26557 has 8 MA's), (Start: 222 @26509 has 6 MA's), (242, 26464), (334, 26281), (356, 26245), (403, 26188), (406, 26176), (412, 26161), (454, 26077), (457, 26065), (463, 26047), (510, 25957), (517, 25945), (548, 25870), (549, 25864), (559, 25843), (570, 25828), (579, 25810), (600, 25783), (665, 25672), (678, 25624), (679, 25621), (685, 25594), (687, 25588), (689, 25576), (707, 25537),

Gene: Lilas_37 Start: 31522, Stop: 32445, Start Num: 252
Candidate Starts for Lilas_37:
(Start: 252 @31522 has 15 MA's), (Start: 256 @31528 has 84 MA's), (Start: 271 @31552 has 1 MA's), (309, 31648), (347, 31723), (395, 31795), (413, 31846), (450, 31909), (481, 31963), (486, 31972), (498, 31993), (504, 32002), (519, 32032), (549, 32098), (594, 32164), (609, 32185), (623, 32212), (650, 32248),

Gene: Lilas_38 Start: 32714, Stop: 33796, Start Num: 155
Candidate Starts for Lilas_38:
(Start: 155 @32714 has 58 MA's), (Start: 228 @32831 has 1 MA's), (278, 32924), (401, 33146), (415, 33182), (440, 33236), (469, 33305), (473, 33314), (670, 33653), (676, 33680), (710, 33785),

Gene: Lilith_36 Start: 26744, Stop: 25638, Start Num: 179
Candidate Starts for Lilith_36:
(Start: 150 @26783 has 120 MA's), (Start: 179 @26744 has 10 MA's), (Start: 222 @26660 has 6 MA's), (242, 26615), (322, 26459), (334, 26432), (356, 26396), (403, 26339), (439, 26261), (450, 26237), (463, 26198), (497, 26126), (505, 26114), (510, 26108), (517, 26096), (548, 26021), (549, 26015), (559, 25994), (570, 25979), (579, 25961), (598, 25937), (665, 25823), (677, 25778), (678, 25775), (681, 25766), (685, 25745), (687, 25739), (689, 25727), (707, 25688),

Gene: LilyBell_34 Start: 24292, Stop: 25212, Start Num: 256
Candidate Starts for LilyBell_34:
(Start: 236 @24250 has 1 MA's), (Start: 256 @24292 has 84 MA's), (325, 24448), (334, 24466), (340, 24478), (417, 24625), (421, 24634), (447, 24673), (486, 24742), (491, 24748), (511, 24781), (531, 24823), (550, 24874), (667, 25054), (673, 25078), (677, 25093), (679, 25099), (706, 25180), (707, 25183),

Gene: LilyBell_38 Start: 26387, Stop: 27529, Start Num: 158
Candidate Starts for LilyBell_38:
(62, 26210), (77, 26249), (90, 26288), (98, 26297), (Start: 158 @26387 has 315 MA's), (349, 26741), (352, 26747), (365, 26765), (412, 26873), (439, 26933), (477, 27026), (535, 27146), (550, 27194), (563, 27215), (569, 27224), (626, 27320), (671, 27401), (674, 27419), (677, 27428), (701, 27503),

Gene: LindNT_41 Start: 32665, Stop: 33753, Start Num: 158
Candidate Starts for LindNT_41:
(72, 32518), (Start: 158 @32665 has 315 MA's), (Start: 222 @32767 has 6 MA's), (234, 32791), (Start: 252 @32827 has 15 MA's), (322, 32965), (352, 33019), (406, 33103), (439, 33172), (440, 33175), (510, 33325), (553, 33430), (619, 33517), (661, 33565), (704, 33709),

Gene: LionsBait_35 Start: 27714, Stop: 26557, Start Num: 150
Candidate Starts for LionsBait_35:
(Start: 150 @27714 has 120 MA's), (Start: 222 @27591 has 6 MA's), (232, 27573), (242, 27546), (334, 27363), (356, 27327), (403, 27270), (439, 27192), (510, 27039), (517, 27027), (548, 26952), (549,

26946), (559, 26925), (570, 26910), (579, 26892), (595, 26871), (665, 26754), (678, 26706), (679, 26703), (685, 26676), (687, 26670), (689, 26658), (707, 26619), (724, 26589),

Gene: LitninMcQueen_43 Start: 31304, Stop: 32401, Start Num: 158
Candidate Starts for LitninMcQueen_43:
(27, 30968), (45, 31064), (110, 31247), (Start: 158 @31304 has 315 MA's), (Start: 189 @31355 has 14 MA's), (233, 31427), (235, 31433), (249, 31460), (278, 31505), (294, 31547), (352, 31655), (401, 31724), (406, 31739), (440, 31814), (457, 31856), (471, 31889), (473, 31892), (477, 31904), (535, 32006), (582, 32099), (631, 32171), (664, 32207), (670, 32231), (676, 32258), (688, 32306), (712, 32366),

Gene: LittleE_82 Start: 51604, Stop: 52791, Start Num: 170
Candidate Starts for LittleE_82:
(82, 51460), (Start: 102 @51502 has 2 MA's), (Start: 114 @51517 has 10 MA's), (117, 51520), (Start: 148 @51565 has 1 MA's), (Start: 170 @51604 has 1 MA's), (356, 51985), (395, 52069), (401, 52081), (403, 52084), (458, 52213), (529, 52333), (553, 52396), (566, 52414), (576, 52438), (617, 52510), (684, 52687), (685, 52690), (687, 52696), (690, 52714), (699, 52729), (704, 52738), (705, 52741), (726, 52786),

Gene: LittleRon_36 Start: 25766, Stop: 26908, Start Num: 158
Candidate Starts for LittleRon_36:
(Start: 158 @25766 has 315 MA's), (349, 26120), (352, 26126), (363, 26141), (390, 26195), (412, 26252), (439, 26312), (440, 26315), (453, 26342), (477, 26405), (535, 26525), (550, 26573), (626, 26699), (636, 26711), (677, 26807), (701, 26882),

Gene: Llorens_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Llorens_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: LonelyBoi_37 Start: 31310, Stop: 32227, Start Num: 256
Candidate Starts for LonelyBoi_37:
(Start: 252 @31304 has 15 MA's), (Start: 256 @31310 has 84 MA's), (Start: 271 @31334 has 1 MA's), (309, 31430), (347, 31505), (406, 31607), (413, 31628), (450, 31691), (481, 31745), (486, 31754), (498, 31775), (504, 31784), (519, 31814), (549, 31880), (564, 31904), (594, 31946), (609, 31967), (623, 31994), (650, 32030), (660, 32036),

Gene: LonelyBoi_38 Start: 32508, Stop: 33590, Start Num: 155
Candidate Starts for LonelyBoi_38:
(Start: 155 @32508 has 58 MA's), (Start: 189 @32562 has 14 MA's), (258, 32682), (412, 32967), (440, 33027), (477, 33117), (533, 33222), (670, 33447), (676, 33474), (710, 33579),

Gene: LordFarquaad_35 Start: 27696, Stop: 28778, Start Num: 155
Candidate Starts for LordFarquaad_35:
(Start: 83 @27585 has 6 MA's), (Start: 155 @27696 has 58 MA's), (Start: 189 @27750 has 14 MA's), (258, 27870), (401, 28125), (412, 28155), (440, 28215), (467, 28281), (477, 28305), (670, 28635), (676, 28662), (710, 28767),

Gene: LordVader_38 Start: 26840, Stop: 27946, Start Num: 158
Candidate Starts for LordVader_38:

(141, 26822), (Start: 158 @26840 has 315 MA's), (246, 26999), (261, 27035), (343, 27200), (352, 27212), (406, 27296), (410, 27308), (427, 27341), (439, 27365), (467, 27434), (471, 27443), (473, 27446), (495, 27497), (510, 27518), (545, 27596), (549, 27611), (597, 27671), (619, 27710), (629, 27725), (648, 27749), (664, 27776), (670, 27800), (674, 27821), (677, 27830), (690, 27887),

Gene: Lorde_42 Start: 31143, Stop: 32261, Start Num: 158
Candidate Starts for Lorde_42:
(Start: 158 @31143 has 315 MA's), (Start: 163 @31152 has 3 MA's), (Start: 252 @31314 has 15 MA's), (329, 31479), (352, 31515), (359, 31524), (403, 31605), (412, 31629), (441, 31698), (457, 31737), (463, 31755), (465, 31758), (471, 31770), (473, 31773), (477, 31785), (495, 31824), (499, 31830), (514, 31851), (533, 31887), (535, 31890), (548, 31926), (549, 31932), (555, 31947), (619, 32031), (629, 32046), (650, 32064), (674, 32133), (677, 32142), (687, 32181), (690, 32199), (703, 32220), (707, 32235), (710, 32244), (712, 32247),

Gene: Lowa_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for Lowa_36:
(Start: 150 @26782 has 120 MA's), (Start: 179 @26743 has 10 MA's), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (334, 26431), (356, 26395), (403, 26338), (439, 26260), (450, 26236), (463, 26197), (497, 26125), (505, 26113), (510, 26107), (517, 26095), (548, 26020), (549, 26014), (559, 25993), (570, 25978), (579, 25960), (598, 25936), (665, 25822), (677, 25777), (678, 25774), (681, 25765), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Lton_34 Start: 25220, Stop: 26299, Start Num: 158
Candidate Starts for Lton_34:
(Start: 158 @25220 has 315 MA's), (249, 25376), (341, 25556), (440, 25727), (457, 25769), (475, 25808), (477, 25817), (549, 25973), (631, 26096), (670, 26156), (676, 26183), (685, 26219), (688, 26231), (710, 26288),

Gene: Lucky10_35 Start: 28235, Stop: 29314, Start Num: 158
Candidate Starts for Lucky10_35:
(21, 27794), (38, 27947), (44, 27989), (94, 28145), (131, 28199), (Start: 158 @28235 has 315 MA's), (249, 28391), (440, 28742), (457, 28784), (475, 28823), (477, 28832), (549, 28988), (631, 29111), (670, 29171), (688, 29246), (710, 29303),

Gene: Lucky2013_84 Start: 50079, Stop: 51353, Start Num: 114
Candidate Starts for Lucky2013_84:
(82, 50022), (Start: 102 @50064 has 2 MA's), (Start: 114 @50079 has 10 MA's), (117, 50082), (Start: 148 @50127 has 1 MA's), (Start: 170 @50166 has 1 MA's), (356, 50547), (395, 50631), (401, 50643), (403, 50646), (458, 50775), (529, 50895), (553, 50958), (566, 50976), (576, 51000), (617, 51072), (684, 51249), (685, 51252), (687, 51258), (690, 51276), (699, 51291), (704, 51300), (705, 51303), (726, 51348),

Gene: LugYA_38 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for LugYA_38:
(Start: 150 @26790 has 120 MA's), (Start: 179 @26751 has 10 MA's), (203, 26703), (Start: 222 @26667 has 6 MA's), (242, 26622), (322, 26466), (334, 26439), (356, 26403), (403, 26346), (439, 26268), (450, 26244), (463, 26205), (497, 26133), (505, 26121), (510, 26115), (517, 26103), (548, 26028), (549, 26022), (559, 26001), (570, 25986), (579, 25968), (598, 25944), (665, 25830), (677, 25785), (678, 25782), (681, 25773), (685, 25752), (687, 25746), (689, 25734), (707, 25695),

Gene: Luke_29 Start: 26433, Stop: 25240, Start Num: 187
Candidate Starts for Luke_29:

(Start: 160 @26475 has 2 MA's), (Start: 187 @26433 has 20 MA's), (216, 26367), (251, 26286), (267, 26247), (276, 26232), (278, 26226), (282, 26214), (292, 26187), (304, 26154), (334, 26097), (357, 26064), (359, 26061), (378, 26013), (395, 25971), (396, 25968), (406, 25944), (412, 25929), (422, 25905), (431, 25890), (450, 25851), (454, 25839), (467, 25800), (485, 25761), (514, 25713), (516, 25710), (548, 25638), (549, 25632), (553, 25620), (555, 25617), (559, 25611), (588, 25557), (602, 25539), (604, 25536), (617, 25509), (627, 25491), (630, 25485), (632, 25482), (662, 25440), (668, 25413), (670, 25407), (683, 25350), (706, 25287), (707, 25284),

Gene: Luna22_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Luna22_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: LunaBlu_46 Start: 33438, Stop: 34556, Start Num: 158
Candidate Starts for LunaBlu_46:
(Start: 158 @33438 has 315 MA's), (Start: 163 @33447 has 3 MA's), (Start: 252 @33609 has 15 MA's), (329, 33774), (352, 33810), (359, 33819), (412, 33924), (441, 33993), (457, 34032), (463, 34050), (465, 34053), (471, 34065), (473, 34068), (477, 34080), (483, 34095), (495, 34119), (499, 34125), (514, 34146), (533, 34182), (535, 34185), (548, 34221), (549, 34227), (555, 34242), (566, 34257), (619, 34326), (629, 34341), (664, 34383), (674, 34428), (677, 34437), (687, 34476), (690, 34494), (703, 34515), (707, 34530), (710, 34539), (712, 34542),

Gene: LunaStella_42 Start: 31631, Stop: 32749, Start Num: 158
Candidate Starts for LunaStella_42:
(Start: 158 @31631 has 315 MA's), (Start: 163 @31640 has 3 MA's), (235, 31769), (Start: 252 @31802 has 15 MA's), (278, 31850), (352, 32003), (359, 32012), (403, 32093), (441, 32186), (465, 32246), (471, 32258), (473, 32261), (483, 32288), (495, 32312), (514, 32339), (533, 32375), (535, 32378), (548, 32414), (566, 32450), (619, 32519), (629, 32534), (650, 32552), (674, 32621), (677, 32630), (687, 32669), (690, 32687), (703, 32708), (707, 32723),

Gene: Lunahalos_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Lunahalos_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: Lutum_50 Start: 32526, Stop: 33596, Start Num: 158
Candidate Starts for Lutum_50:
(Start: 158 @32526 has 315 MA's), (Start: 189 @32577 has 14 MA's), (235, 32655), (249, 32682), (352, 32877), (359, 32886), (396, 32937), (401, 32946), (403, 32949), (406, 32961), (427, 33006), (443, 33042), (457, 33078), (471, 33111), (473, 33114), (477, 33126), (561, 33294), (631, 33393), (670, 33453), (676, 33480), (677, 33483), (683, 33510), (685, 33516), (688, 33528), (710, 33585),

Gene: MA5_33 Start: 25943, Stop: 24819, Start Num: 150
Candidate Starts for MA5_33:
(Start: 150 @25943 has 120 MA's), (Start: 222 @25820 has 6 MA's), (242, 25775), (284, 25703), (329, 25601), (334, 25592), (356, 25556), (403, 25499), (439, 25421), (510, 25268), (517, 25256), (543,

25199), (548, 25181), (549, 25175), (559, 25154), (570, 25139), (579, 25121), (678, 24935), (685, 24905), (687, 24899), (689, 24887), (707, 24848),

Gene: MK4_33 Start: 26050, Stop: 24926, Start Num: 150
Candidate Starts for MK4_33:
(Start: 118 @26092 has 1 MA's), (Start: 150 @26050 has 120 MA's), (Start: 222 @25927 has 6 MA's), (242, 25882), (284, 25810), (302, 25762), (329, 25708), (334, 25699), (356, 25663), (403, 25606), (510, 25375), (517, 25363), (526, 25342), (548, 25288), (549, 25282), (559, 25261), (570, 25246), (579, 25228), (600, 25201), (665, 25090), (678, 25042), (679, 25039), (685, 25012), (687, 25006), (689, 24994), (699, 24973), (707, 24955),

Gene: MUWow_39 Start: 27853, Stop: 26681, Start Num: 158
Candidate Starts for MUWow_39:
(Start: 158 @27853 has 315 MA's), (226, 27736), (234, 27721), (290, 27616), (334, 27520), (359, 27484), (403, 27406), (439, 27319), (443, 27310), (467, 27250), (571, 27034), (583, 27010), (585, 27007), (664, 26884), (670, 26860), (673, 26845), (712, 26725), (725, 26698),

Gene: MUWow_35 Start: 24597, Stop: 25514, Start Num: 256
Candidate Starts for MUWow_35:
(Start: 236 @24558 has 1 MA's), (Start: 256 @24597 has 84 MA's), (325, 24753), (333, 24768), (417, 24927), (476, 25020), (481, 25035), (486, 25044), (491, 25050), (498, 25065), (511, 25083), (531, 25125), (537, 25134), (553, 25182), (609, 25260), (623, 25287), (677, 25395), (707, 25485),

Gene: MadMarie_36 Start: 26792, Stop: 25647, Start Num: 150
Candidate Starts for MadMarie_36:
(Start: 150 @26792 has 120 MA's), (Start: 179 @26753 has 10 MA's), (203, 26705), (Start: 222 @26669 has 6 MA's), (242, 26624), (322, 26468), (334, 26441), (356, 26405), (403, 26348), (439, 26270), (450, 26246), (463, 26207), (497, 26135), (505, 26123), (510, 26117), (517, 26105), (548, 26030), (549, 26024), (559, 26003), (570, 25988), (579, 25970), (598, 25946), (665, 25832), (677, 25787), (678, 25784), (681, 25775), (685, 25754), (687, 25748), (689, 25736), (707, 25697),

Gene: Madavieve_34 Start: 30231, Stop: 31313, Start Num: 155
Candidate Starts for Madavieve_34:
(Start: 83 @30120 has 6 MA's), (Start: 155 @30231 has 58 MA's), (183, 30276), (Start: 189 @30285 has 14 MA's), (258, 30405), (412, 30690), (440, 30750), (467, 30816), (477, 30840), (533, 30945), (559, 31011), (670, 31170), (676, 31197), (688, 31245), (710, 31302), (712, 31305),

Gene: Mainiac_36 Start: 26783, Stop: 25638, Start Num: 150
Candidate Starts for Mainiac_36:
(Start: 150 @26783 has 120 MA's), (Start: 179 @26744 has 10 MA's), (203, 26696), (Start: 222 @26660 has 6 MA's), (242, 26615), (322, 26459), (334, 26432), (356, 26396), (403, 26339), (439, 26261), (450, 26237), (463, 26198), (497, 26126), (505, 26114), (510, 26108), (517, 26096), (548, 26021), (549, 26015), (559, 25994), (570, 25979), (579, 25961), (598, 25937), (665, 25823), (677, 25778), (678, 25775), (681, 25766), (685, 25745), (687, 25739), (689, 25727), (707, 25688),

Gene: Maja_28 Start: 23177, Stop: 24097, Start Num: 256
Candidate Starts for Maja_28:
(Start: 256 @23177 has 84 MA's), (325, 23333), (334, 23351), (340, 23363), (346, 23372), (382, 23420), (417, 23510), (447, 23558), (486, 23627), (491, 23633), (511, 23666), (531, 23708), (539, 23720), (550, 23759), (609, 23843), (623, 23870), (679, 23984), (707, 24068),

Gene: MajorMajor_34 Start: 25599, Stop: 24475, Start Num: 150
Candidate Starts for MajorMajor_34:

(Start: 150 @25599 has 120 MA's), (199, 25521), (Start: 222 @25476 has 6 MA's), (242, 25431), (279, 25371), (334, 25248), (356, 25212), (401, 25158), (403, 25155), (457, 25032), (458, 25029), (463, 25014), (505, 24930), (510, 24924), (526, 24891), (533, 24876), (548, 24837), (559, 24810), (570, 24795), (579, 24777), (600, 24750), (665, 24639), (678, 24591), (679, 24588), (681, 24582), (685, 24561), (687, 24555), (689, 24543), (707, 24504),

Gene: MakCheese_48 Start: 36086, Stop: 34929, Start Num: 158
Candidate Starts for MakCheese_48:
(Start: 158 @36086 has 315 MA's), (300, 35825), (334, 35759), (343, 35744), (352, 35732), (367, 35702), (401, 35588), (412, 35558), (440, 35498), (477, 35408), (495, 35369), (555, 35243), (559, 35237), (561, 35234), (583, 35204), (587, 35198), (606, 35174), (670, 35072), (688, 34997), (710, 34940),

Gene: Malec_36 Start: 27350, Stop: 26235, Start Num: 159
Candidate Starts for Malec_36:
(66, 27515), (131, 27389), (Start: 159 @27350 has 1 MA's), (Start: 179 @27317 has 10 MA's), (203, 27269), (Start: 222 @27233 has 6 MA's), (242, 27188), (266, 27146), (268, 27143), (322, 27032), (334, 27005), (356, 26969), (406, 26900), (432, 26858), (457, 26789), (463, 26771), (510, 26681), (548, 26594), (549, 26588), (559, 26567), (570, 26552), (579, 26534), (600, 26507), (665, 26396), (677, 26351), (678, 26348), (679, 26345), (681, 26339), (685, 26318), (687, 26312), (689, 26300), (707, 26261),

Gene: Malibo_38 Start: 29560, Stop: 30477, Start Num: 256
Candidate Starts for Malibo_38:
(Start: 252 @29554 has 15 MA's), (Start: 256 @29560 has 84 MA's), (309, 29680), (346, 29749), (347, 29755), (395, 29827), (406, 29857), (413, 29878), (450, 29941), (486, 30004), (498, 30025), (504, 30034), (519, 30064), (535, 30088), (609, 30217), (623, 30244), (650, 30280),

Gene: Malinsilva_38 Start: 26743, Stop: 25637, Start Num: 179
Candidate Starts for Malinsilva_38:
(Start: 150 @26782 has 120 MA's), (Start: 179 @26743 has 10 MA's), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (334, 26431), (356, 26395), (403, 26338), (439, 26260), (450, 26236), (463, 26197), (497, 26125), (505, 26113), (510, 26107), (517, 26095), (548, 26020), (549, 26014), (559, 25993), (570, 25978), (579, 25960), (598, 25936), (665, 25822), (677, 25777), (678, 25774), (681, 25765), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Manasvini_39 Start: 30564, Stop: 31646, Start Num: 155
Candidate Starts for Manasvini_39:
(Start: 83 @30453 has 6 MA's), (Start: 155 @30564 has 58 MA's), (Start: 189 @30618 has 14 MA's), (258, 30738), (401, 30993), (412, 31023), (440, 31083), (467, 31149), (477, 31173), (670, 31503), (676, 31530), (710, 31635),

Gene: Mandlovu_40 Start: 31729, Stop: 32847, Start Num: 158
Candidate Starts for Mandlovu_40:
(Start: 158 @31729 has 315 MA's), (Start: 252 @31900 has 15 MA's), (329, 32065), (352, 32101), (359, 32110), (412, 32215), (441, 32284), (457, 32323), (465, 32344), (471, 32356), (473, 32359), (477, 32371), (495, 32410), (499, 32416), (514, 32437), (533, 32473), (535, 32476), (548, 32512), (549, 32518), (553, 32530), (555, 32533), (566, 32548), (619, 32617), (629, 32632), (650, 32650), (674, 32719), (677, 32728), (687, 32767), (690, 32785), (703, 32806), (707, 32821), (710, 32830), (712, 32833),

Gene: Manu_36 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Manu_36:

(Start: 101 @26706 has 2 MA's), (Start: 150 @26643 has 120 MA's), (Start: 189 @26589 has 14 MA's), (Start: 222 @26520 has 6 MA's), (329, 26301), (334, 26292), (356, 26256), (403, 26199), (439, 26121), (454, 26088), (497, 25986), (510, 25968), (517, 25956), (548, 25881), (549, 25875), (559, 25854), (570, 25839), (579, 25821), (598, 25797), (677, 25638), (678, 25635), (685, 25605), (687, 25599), (689, 25587), (707, 25548),

Gene: Mao1_43 Start: 40085, Stop: 38883, Start Num: 175
Candidate Starts for Mao1_43:
(Start: 175 @40085 has 7 MA's), (212, 40010), (Start: 222 @39986 has 6 MA's), (224, 39980), (275, 39875), (321, 39764), (322, 39761), (359, 39698), (413, 39563), (422, 39542), (450, 39488), (479, 39413), (514, 39353), (605, 39173), (607, 39170), (617, 39149), (670, 39047), (673, 39032), (689, 38966), (700, 38942), (710, 38912),

Gene: Mapleville_36 Start: 24505, Stop: 25422, Start Num: 256
Candidate Starts for Mapleville_36:
(196, 24376), (200, 24382), (Start: 256 @24505 has 84 MA's), (325, 24661), (333, 24676), (340, 24688), (417, 24835), (421, 24844), (447, 24883), (476, 24928), (486, 24952), (491, 24958), (511, 24991), (531, 25033), (537, 25042), (550, 25084), (609, 25168), (673, 25288), (677, 25303),

Gene: Mapleville_40 Start: 27702, Stop: 26563, Start Num: 158
Candidate Starts for Mapleville_40:
(Start: 158 @27702 has 315 MA's), (Start: 189 @27651 has 14 MA's), (282, 27483), (290, 27465), (359, 27333), (403, 27255), (406, 27243), (408, 27237), (439, 27168), (443, 27159), (467, 27099), (511, 27009), (555, 26904), (571, 26883), (585, 26856), (664, 26733), (670, 26709), (673, 26694), (692, 26619), (706, 26589),

Gene: MarQuardt_36 Start: 26791, Stop: 25646, Start Num: 150
Candidate Starts for MarQuardt_36:
(Start: 150 @26791 has 120 MA's), (Start: 179 @26752 has 10 MA's), (203, 26704), (Start: 222 @26668 has 6 MA's), (242, 26623), (322, 26467), (334, 26440), (356, 26404), (403, 26347), (439, 26269), (450, 26245), (463, 26206), (497, 26134), (505, 26122), (510, 26116), (517, 26104), (548, 26029), (549, 26023), (559, 26002), (570, 25987), (579, 25969), (598, 25945), (665, 25831), (677, 25786), (678, 25783), (681, 25774), (685, 25753), (687, 25747), (689, 25735), (707, 25696),

Gene: Marchesa_33 Start: 26268, Stop: 25228, Start Num: 203
Candidate Starts for Marchesa_33:
(Start: 150 @26355 has 120 MA's), (203, 26268), (Start: 222 @26232 has 6 MA's), (242, 26187), (279, 26127), (322, 26031), (326, 26019), (329, 26013), (356, 25968), (401, 25914), (403, 25911), (410, 25887), (497, 25698), (510, 25680), (517, 25668), (535, 25629), (548, 25593), (549, 25587), (559, 25566), (570, 25551), (579, 25533), (665, 25395), (678, 25347), (685, 25317), (687, 25311), (689, 25299), (707, 25260),

Gene: Marcoliusprime_43 Start: 34317, Stop: 35417, Start Num: 158
Candidate Starts for Marcoliusprime_43:
(Start: 158 @34317 has 315 MA's), (167, 34335), (234, 34443), (Start: 252 @34479 has 15 MA's), (308, 34593), (322, 34617), (352, 34671), (429, 34812), (439, 34836), (440, 34839), (457, 34881), (510, 34989), (553, 35094), (594, 35139), (606, 35154), (688, 35346),

Gene: MargaretKali_30 Start: 23298, Stop: 24602, Start Num: 139
Candidate Starts for MargaretKali_30:
(Start: 139 @23298 has 2 MA's), (178, 23355), (217, 23442), (220, 23451), (230, 23472), (273, 23574), (293, 23628), (296, 23634), (319, 23679), (322, 23688), (337, 23727), (442, 23973), (572, 24246), (604, 24303), (660, 24399), (666, 24426), (679, 24474), (685, 24501), (694, 24531), (700, 24546),

(705, 24558),

Gene: Maridalia_39 Start: 30563, Stop: 31645, Start Num: 155
Candidate Starts for Maridalia_39:
(Start: 83 @30452 has 6 MA's), (Start: 155 @30563 has 58 MA's), (Start: 189 @30617 has 14 MA's), (258, 30737), (440, 31082), (477, 31172), (533, 31277), (670, 31502), (676, 31529), (688, 31577), (710, 31634), (712, 31637),

Gene: Marie_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for Marie_36:
(Start: 150 @26789 has 120 MA's), (Start: 179 @26750 has 10 MA's), (203, 26702), (Start: 222 @26666 has 6 MA's), (242, 26621), (322, 26465), (334, 26438), (356, 26402), (403, 26345), (439, 26267), (450, 26243), (463, 26204), (497, 26132), (505, 26120), (510, 26114), (517, 26102), (548, 26027), (549, 26021), (559, 26000), (570, 25985), (579, 25967), (598, 25943), (665, 25829), (677, 25784), (678, 25781), (681, 25772), (685, 25751), (687, 25745), (689, 25733), (707, 25694),

Gene: Marius_36 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Marius_36:
(Start: 101 @26706 has 2 MA's), (Start: 150 @26643 has 120 MA's), (Start: 189 @26589 has 14 MA's), (Start: 222 @26520 has 6 MA's), (329, 26301), (334, 26292), (356, 26256), (403, 26199), (439, 26121), (454, 26088), (497, 25986), (510, 25968), (517, 25956), (548, 25881), (549, 25875), (559, 25854), (570, 25839), (579, 25821), (598, 25797), (677, 25638), (678, 25635), (685, 25605), (687, 25599), (689, 25587), (707, 25548),

Gene: MarkPhew_44 Start: 33135, Stop: 34214, Start Num: 158
Candidate Starts for MarkPhew_44:
(15, 32601), (17, 32619), (18, 32631), (20, 32697), (50, 32913), (64, 32967), (74, 32994), (Start: 158 @33135 has 315 MA's), (Start: 252 @33297 has 15 MA's), (258, 33306), (280, 33339), (322, 33432), (343, 33474), (352, 33486), (406, 33570), (412, 33585), (439, 33639), (440, 33642), (457, 33684), (510, 33792), (553, 33897), (619, 33984), (661, 34032), (688, 34140), (707, 34188),

Gene: Marleymoo_72 Start: 50924, Stop: 52153, Start Num: 136
Candidate Starts for Marleymoo_72:
(Start: 136 @50924 has 29 MA's), (Start: 148 @50942 has 1 MA's), (Start: 170 @50981 has 1 MA's), (282, 51218), (329, 51326), (395, 51446), (396, 51449), (401, 51458), (406, 51473), (458, 51590), (520, 51707), (529, 51710), (533, 51719), (551, 51770), (553, 51773), (566, 51791), (617, 51887), (684, 52064), (685, 52067), (690, 52091), (704, 52115), (705, 52118),

Gene: Marshawn_44 Start: 33433, Stop: 34515, Start Num: 158
Candidate Starts for Marshawn_44:
(Start: 158 @33433 has 315 MA's), (Start: 189 @33484 has 14 MA's), (234, 33559), (Start: 252 @33595 has 15 MA's), (349, 33781), (352, 33787), (406, 33871), (439, 33940), (440, 33943), (457, 33985), (510, 34093), (553, 34198), (619, 34285), (661, 34333), (707, 34489), (716, 34510),

Gene: Marteena_35 Start: 28837, Stop: 29754, Start Num: 256
Candidate Starts for Marteena_35:
(Start: 252 @28831 has 15 MA's), (Start: 256 @28837 has 84 MA's), (Start: 271 @28861 has 1 MA's), (309, 28957), (346, 29026), (347, 29032), (413, 29155), (450, 29218), (481, 29272), (486, 29281), (498, 29302), (504, 29311), (519, 29341), (535, 29365), (594, 29473), (609, 29494), (623, 29521),

Gene: Marteena_36 Start: 30030, Stop: 31136, Start Num: 158
Candidate Starts for Marteena_36:

(Start: 114 @29973 has 10 MA's), (Start: 158 @30030 has 315 MA's), (Start: 189 @30081 has 14 MA's), (249, 30186), (254, 30195), (276, 30225), (405, 30459), (406, 30465), (439, 30534), (440, 30537), (454, 30567), (473, 30618), (477, 30630), (597, 30858), (638, 30918), (670, 30993), (677, 31023), (710, 31125),

Gene: Maruru_30 Start: 28338, Stop: 29489, Start Num: 158
Candidate Starts for Maruru_30:
(16, 27732), (55, 28143), (127, 28296), (Start: 158 @28338 has 315 MA's), (Start: 163 @28347 has 3 MA's), (226, 28449), (258, 28515), (282, 28551), (363, 28692), (403, 28764), (483, 28959), (633, 29247), (673, 29343), (676, 29355), (677, 29358),

Gene: Mask_46 Start: 43255, Stop: 42053, Start Num: 175
Candidate Starts for Mask_46:
(Start: 175 @43255 has 7 MA's), (212, 43180), (Start: 222 @43156 has 6 MA's), (224, 43150), (275, 43045), (321, 42934), (322, 42931), (359, 42868), (413, 42733), (422, 42712), (450, 42658), (510, 42529), (514, 42523), (604, 42346), (605, 42343), (607, 42340), (617, 42319), (640, 42283), (670, 42217), (673, 42202), (689, 42136), (700, 42112), (710, 42082),

Gene: MaterMagnus_36 Start: 24582, Stop: 25499, Start Num: 256
Candidate Starts for MaterMagnus_36:
(196, 24453), (198, 24456), (200, 24459), (Start: 256 @24582 has 84 MA's), (325, 24738), (333, 24753), (340, 24765), (417, 24912), (421, 24921), (447, 24960), (476, 25005), (486, 25029), (491, 25035), (511, 25068), (531, 25110), (537, 25119), (550, 25161), (609, 25245), (673, 25365), (677, 25380),

Gene: MaterMagnus_40 Start: 27779, Stop: 26640, Start Num: 158
Candidate Starts for MaterMagnus_40:
(Start: 158 @27779 has 315 MA's), (Start: 189 @27728 has 14 MA's), (282, 27560), (290, 27542), (359, 27410), (403, 27332), (406, 27320), (408, 27314), (439, 27245), (443, 27236), (467, 27176), (511, 27086), (555, 26981), (571, 26960), (585, 26933), (664, 26810), (670, 26786), (673, 26771), (692, 26696), (706, 26666),

Gene: Matteo_30 Start: 25426, Stop: 26508, Start Num: 155
Candidate Starts for Matteo_30:
(Start: 81 @25309 has 2 MA's), (Start: 83 @25315 has 6 MA's), (Start: 155 @25426 has 58 MA's), (Start: 189 @25480 has 14 MA's), (258, 25600), (401, 25855), (412, 25885), (440, 25945), (467, 26011), (477, 26035), (533, 26140), (670, 26365), (676, 26392), (710, 26497),

Gene: Mattes_43 Start: 32094, Stop: 33212, Start Num: 158
Candidate Starts for Mattes_43:
(Start: 158 @32094 has 315 MA's), (235, 32232), (Start: 252 @32265 has 15 MA's), (278, 32313), (329, 32430), (352, 32466), (359, 32475), (412, 32580), (441, 32649), (465, 32709), (471, 32721), (473, 32724), (477, 32736), (483, 32751), (495, 32775), (499, 32781), (514, 32802), (533, 32838), (535, 32841), (548, 32877), (549, 32883), (553, 32895), (555, 32898), (619, 32982), (629, 32997), (664, 33039), (674, 33084), (677, 33093), (687, 33132), (690, 33150), (703, 33171), (707, 33186), (710, 33195), (712, 33198),

Gene: Maxo_33 Start: 26250, Stop: 25129, Start Num: 150
Candidate Starts for Maxo_33:
(Start: 113 @26295 has 3 MA's), (135, 26268), (Start: 150 @26250 has 120 MA's), (Start: 194 @26181 has 8 MA's), (Start: 222 @26127 has 6 MA's), (329, 25908), (334, 25899), (356, 25863), (395, 25821), (401, 25809), (403, 25806), (439, 25728), (497, 25593), (510, 25575), (548, 25488), (549, 25482), (559, 25461), (570, 25446), (579, 25428), (665, 25290), (678, 25242), (685, 25212), (687, 25206),

(689, 25194), (707, 25155),

Gene: McMater_43 Start: 33014, Stop: 34105, Start Num: 158
Candidate Starts for McMater_43:
(11, 32333), (19, 32477), (31, 32681), (46, 32780), (49, 32789), (54, 32816), (70, 32864), (Start: 158 @33014 has 315 MA's), (Start: 189 @33065 has 14 MA's), (234, 33140), (Start: 252 @33176 has 15 MA's), (308, 33290), (322, 33314), (352, 33368), (406, 33452), (419, 33485), (439, 33521), (440, 33524), (457, 33566), (495, 33653), (510, 33674), (553, 33782), (606, 33842), (651, 33905), (661, 33917), (688, 34025), (704, 34061),

Gene: Mcklovin_36 Start: 33917, Stop: 35044, Start Num: 158
Candidate Starts for Mcklovin_36:
(52, 33698), (58, 33734), (Start: 158 @33917 has 315 MA's), (Start: 189 @33971 has 14 MA's), (268, 34127), (309, 34217), (326, 34250), (439, 34445), (440, 34448), (457, 34490), (473, 34526), (633, 34823), (670, 34901), (681, 34943), (687, 34970), (710, 35033),

Gene: Mcklovin_34 Start: 32550, Stop: 33467, Start Num: 256
Candidate Starts for Mcklovin_34:
(Start: 252 @32544 has 15 MA's), (Start: 256 @32550 has 84 MA's), (346, 32739), (347, 32745), (406, 32847), (415, 32871), (450, 32931), (482, 32988), (486, 32994), (491, 33000), (548, 33114), (549, 33120), (553, 33132), (609, 33207), (621, 33231), (623, 33234), (650, 33270), (660, 33276), (668, 33309), (677, 33345), (688, 33390),

Gene: Mdavu_37 Start: 31629, Stop: 33059, Start Num: 29
Candidate Starts for Mdavu_37:
(26, 31614), (Start: 29 @31629 has 1 MA's), (45, 31722), (50, 31743), (78, 31836), (Start: 158 @31965 has 315 MA's), (Start: 189 @32016 has 14 MA's), (234, 32091), (Start: 252 @32127 has 15 MA's), (299, 32223), (308, 32241), (322, 32265), (349, 32313), (352, 32319), (426, 32451), (439, 32484), (457, 32529), (510, 32637), (553, 32742), (606, 32802), (661, 32877), (688, 32985), (704, 33021),

Gene: MeaningOfLife_42 Start: 33409, Stop: 34497, Start Num: 158
Candidate Starts for MeaningOfLife_42:
(Start: 158 @33409 has 315 MA's), (Start: 222 @33511 has 6 MA's), (234, 33535), (Start: 252 @33571 has 15 MA's), (322, 33709), (352, 33763), (406, 33847), (439, 33916), (440, 33919), (459, 33967), (510, 34069), (553, 34174), (619, 34261), (661, 34309), (704, 34453),

Gene: Medindi_40 Start: 31479, Stop: 32597, Start Num: 158
Candidate Starts for Medindi_40:
(Start: 158 @31479 has 315 MA's), (Start: 163 @31488 has 3 MA's), (Start: 252 @31650 has 15 MA's), (329, 31815), (352, 31851), (359, 31860), (412, 31965), (441, 32034), (457, 32073), (465, 32094), (471, 32106), (473, 32109), (477, 32121), (483, 32136), (495, 32160), (499, 32166), (514, 32187), (533, 32223), (535, 32226), (548, 32262), (549, 32268), (553, 32280), (555, 32283), (566, 32298), (619, 32367), (629, 32382), (664, 32424), (674, 32469), (677, 32478), (687, 32517), (690, 32535), (703, 32556), (707, 32571), (710, 32580), (712, 32583),

Gene: Medusa_33 Start: 26128, Stop: 25130, Start Num: 222
Candidate Starts for Medusa_33:
(Start: 113 @26296 has 3 MA's), (135, 26269), (Start: 150 @26251 has 120 MA's), (Start: 194 @26182 has 8 MA's), (Start: 222 @26128 has 6 MA's), (329, 25909), (334, 25900), (356, 25864), (395, 25822), (401, 25810), (403, 25807), (439, 25729), (497, 25594), (510, 25576), (548, 25489), (559, 25462), (570, 25447), (579, 25429), (665, 25291), (678, 25243), (685, 25213), (687, 25207), (689, 25195), (707, 25156),

Gene: Megsy_42 Start: 32724, Stop: 33812, Start Num: 158
Candidate Starts for Megsy_42:
(Start: 158 @32724 has 315 MA's), (Start: 222 @32826 has 6 MA's), (234, 32850), (Start: 252 @32886 has 15 MA's), (322, 33024), (352, 33078), (406, 33162), (439, 33231), (440, 33234), (510, 33384), (545, 33462), (553, 33489), (661, 33624), (704, 33768),

Gene: Melba_35 Start: 28919, Stop: 29845, Start Num: 252
Candidate Starts for Melba_35:
(Start: 252 @28919 has 15 MA's), (Start: 256 @28925 has 84 MA's), (308, 29042), (309, 29045), (342, 29108), (346, 29114), (347, 29120), (450, 29306), (481, 29360), (482, 29363), (486, 29369), (498, 29390), (548, 29489), (549, 29495), (553, 29507), (609, 29582), (623, 29609), (650, 29645), (677, 29720),

Gene: Melissauren88_42 Start: 32565, Stop: 33683, Start Num: 158
Candidate Starts for Melissauren88_42:
(Start: 158 @32565 has 315 MA's), (Start: 163 @32574 has 3 MA's), (Start: 252 @32736 has 15 MA's), (329, 32901), (352, 32937), (359, 32946), (412, 33051), (441, 33120), (457, 33159), (465, 33180), (471, 33192), (473, 33195), (477, 33207), (495, 33246), (499, 33252), (514, 33273), (533, 33309), (535, 33312), (548, 33348), (549, 33354), (555, 33369), (566, 33384), (619, 33453), (629, 33468), (664, 33510), (674, 33555), (677, 33564), (687, 33603), (690, 33621), (703, 33642), (707, 33657), (710, 33666), (712, 33669),

Gene: Melvin_33 Start: 26249, Stop: 25128, Start Num: 150
Candidate Starts for Melvin_33:
(Start: 113 @26294 has 3 MA's), (135, 26267), (Start: 150 @26249 has 120 MA's), (Start: 194 @26180 has 8 MA's), (Start: 222 @26126 has 6 MA's), (329, 25907), (334, 25898), (356, 25862), (395, 25820), (401, 25808), (403, 25805), (439, 25727), (497, 25592), (510, 25574), (548, 25487), (559, 25460), (570, 25445), (579, 25427), (665, 25289), (678, 25241), (685, 25211), (687, 25205), (689, 25193), (707, 25154),

Gene: MiaZeal_87 Start: 50735, Stop: 52009, Start Num: 114
Candidate Starts for MiaZeal_87:
(82, 50678), (Start: 102 @50720 has 2 MA's), (Start: 114 @50735 has 10 MA's), (117, 50738), (Start: 148 @50783 has 1 MA's), (Start: 170 @50822 has 1 MA's), (356, 51203), (395, 51287), (401, 51299), (403, 51302), (458, 51431), (529, 51551), (553, 51614), (566, 51632), (576, 51656), (617, 51728), (684, 51905), (685, 51908), (687, 51914), (690, 51932), (699, 51947), (704, 51956), (705, 51959), (726, 52004),

Gene: MichaelScott_36 Start: 28688, Stop: 29605, Start Num: 256
Candidate Starts for MichaelScott_36:
(Start: 252 @28682 has 15 MA's), (Start: 256 @28688 has 84 MA's), (346, 28877), (347, 28883), (406, 28985), (415, 29009), (450, 29069), (482, 29126), (486, 29132), (491, 29138), (548, 29252), (549, 29258), (553, 29270), (609, 29345), (621, 29369), (623, 29372), (650, 29408), (660, 29414), (668, 29447), (688, 29528),

Gene: MichaelScott_40 Start: 30472, Stop: 31599, Start Num: 158
Candidate Starts for MichaelScott_40:
(124, 30433), (Start: 158 @30472 has 315 MA's), (Start: 189 @30526 has 14 MA's), (249, 30649), (268, 30682), (309, 30772), (326, 30805), (439, 31000), (440, 31003), (457, 31045), (473, 31081), (633, 31378), (670, 31456), (676, 31483), (681, 31498), (687, 31525), (710, 31588),

Gene: Microwolf_36 Start: 26752, Stop: 25646, Start Num: 179
Candidate Starts for Microwolf_36:

(Start: 150 @26791 has 120 MA's), (Start: 179 @26752 has 10 MA's), (Start: 222 @26668 has 6 MA's), (242, 26623), (322, 26467), (334, 26440), (356, 26404), (403, 26347), (439, 26269), (450, 26245), (463, 26206), (497, 26134), (505, 26122), (510, 26116), (517, 26104), (548, 26029), (549, 26023), (559, 26002), (570, 25987), (579, 25969), (598, 25945), (665, 25831), (677, 25786), (678, 25783), (681, 25774), (685, 25753), (687, 25747), (689, 25735), (707, 25696),

Gene: MiculUcigas_34 Start: 26502, Stop: 25381, Start Num: 150
Candidate Starts for MiculUcigas_34:
(Start: 101 @26565 has 2 MA's), (Start: 150 @26502 has 120 MA's), (Start: 189 @26448 has 14 MA's), (Start: 222 @26379 has 6 MA's), (242, 26334), (305, 26208), (334, 26151), (356, 26115), (401, 26061), (403, 26058), (457, 25935), (463, 25917), (510, 25827), (517, 25815), (548, 25740), (549, 25734), (559, 25713), (570, 25698), (579, 25680), (600, 25653), (678, 25494), (685, 25464), (687, 25458), (689, 25446), (707, 25407),

Gene: MidnightRain_38 Start: 25380, Stop: 26300, Start Num: 256
Candidate Starts for MidnightRain_38:
(196, 25251), (200, 25257), (Start: 256 @25380 has 84 MA's), (303, 25494), (334, 25554), (340, 25566), (417, 25713), (447, 25761), (476, 25806), (486, 25830), (491, 25836), (494, 25845), (511, 25869), (531, 25911), (539, 25923), (550, 25962), (564, 25980), (609, 26046), (673, 26166), (677, 26181),

Gene: MidnightRain_42 Start: 28565, Stop: 27426, Start Num: 158
Candidate Starts for MidnightRain_42:
(Start: 158 @28565 has 315 MA's), (Start: 189 @28514 has 14 MA's), (282, 28346), (290, 28328), (359, 28196), (403, 28118), (406, 28106), (439, 28031), (443, 28022), (467, 27962), (511, 27872), (555, 27767), (571, 27746), (585, 27719), (664, 27596), (670, 27572), (673, 27557), (692, 27482), (706, 27452),

Gene: MilanaBonita_37 Start: 29110, Stop: 30237, Start Num: 158
Candidate Starts for MilanaBonita_37:
(85, 29008), (123, 29065), (Start: 158 @29110 has 315 MA's), (Start: 163 @29119 has 3 MA's), (Start: 252 @29281 has 15 MA's), (276, 29332), (282, 29350), (299, 29395), (352, 29491), (359, 29500), (412, 29605), (441, 29674), (457, 29713), (465, 29734), (471, 29746), (473, 29749), (477, 29761), (495, 29800), (499, 29806), (514, 29827), (533, 29863), (535, 29866), (548, 29902), (549, 29908), (553, 29920), (555, 29923), (566, 29938), (619, 30007), (629, 30022), (650, 30040), (664, 30064), (674, 30109), (677, 30118), (681, 30130), (687, 30157), (690, 30175), (703, 30196), (707, 30211), (710, 30220), (712, 30223),

Gene: MilleniumForce_42 Start: 32868, Stop: 33986, Start Num: 158
Candidate Starts for MilleniumForce_42:
(Start: 158 @32868 has 315 MA's), (Start: 163 @32877 has 3 MA's), (Start: 252 @33039 has 15 MA's), (329, 33204), (352, 33240), (359, 33249), (403, 33330), (412, 33354), (441, 33423), (463, 33480), (465, 33483), (471, 33495), (473, 33498), (477, 33510), (495, 33549), (514, 33576), (533, 33612), (535, 33615), (548, 33651), (549, 33657), (555, 33672), (619, 33756), (629, 33771), (664, 33813), (674, 33858), (677, 33867), (687, 33906), (690, 33924), (703, 33945), (707, 33960), (710, 33969), (712, 33972),

Gene: Milly_43 Start: 34290, Stop: 35390, Start Num: 158
Candidate Starts for Milly_43:
(Start: 158 @34290 has 315 MA's), (167, 34308), (Start: 189 @34341 has 14 MA's), (234, 34416), (Start: 252 @34452 has 15 MA's), (308, 34566), (322, 34590), (352, 34644), (429, 34785), (439, 34809), (440, 34812), (457, 34854), (510, 34962), (553, 35067), (594, 35112), (606, 35127), (688, 35319),

Gene: MillySue_36 Start: 26192, Stop: 27112, Start Num: 256
Candidate Starts for MillySue_36:
(Start: 236 @26150 has 1 MA's), (Start: 256 @26192 has 84 MA's), (265, 26216), (303, 26306), (325, 26348), (334, 26366), (340, 26378), (382, 26435), (417, 26525), (447, 26573), (476, 26618), (486, 26642), (491, 26648), (494, 26657), (511, 26681), (609, 26858), (623, 26885), (667, 26954), (673, 26978), (677, 26993),

Gene: Minerva_84 Start: 53196, Stop: 54425, Start Num: 136
Candidate Starts for Minerva_84:
(Start: 136 @53196 has 29 MA's), (Start: 148 @53214 has 1 MA's), (Start: 170 @53253 has 1 MA's), (282, 53490), (329, 53598), (395, 53718), (396, 53721), (401, 53730), (406, 53745), (422, 53784), (458, 53862), (514, 53967), (520, 53979), (529, 53982), (533, 53991), (551, 54042), (553, 54045), (566, 54063), (617, 54159), (652, 54216), (684, 54336), (685, 54339), (690, 54363), (704, 54387), (705, 54390),

Gene: MinionDave_43 Start: 33105, Stop: 34223, Start Num: 158
Candidate Starts for MinionDave_43:
(Start: 158 @33105 has 315 MA's), (Start: 163 @33114 has 3 MA's), (Start: 252 @33276 has 15 MA's), (278, 33324), (329, 33441), (352, 33477), (359, 33486), (412, 33591), (441, 33660), (457, 33699), (463, 33717), (465, 33720), (471, 33732), (473, 33735), (477, 33747), (495, 33786), (499, 33792), (514, 33813), (533, 33849), (535, 33852), (548, 33888), (549, 33894), (553, 33906), (555, 33909), (566, 33924), (619, 33993), (629, 34008), (650, 34026), (664, 34050), (674, 34095), (677, 34104), (687, 34143), (690, 34161), (703, 34182), (707, 34197), (710, 34206), (712, 34209),

Gene: Minnie_43 Start: 32650, Stop: 33768, Start Num: 158
Candidate Starts for Minnie_43:
(Start: 158 @32650 has 315 MA's), (235, 32788), (Start: 252 @32821 has 15 MA's), (278, 32869), (352, 33022), (359, 33031), (403, 33112), (441, 33205), (457, 33244), (463, 33262), (465, 33265), (471, 33277), (473, 33280), (477, 33292), (483, 33307), (495, 33331), (499, 33337), (514, 33358), (533, 33394), (535, 33397), (548, 33433), (549, 33439), (555, 33454), (566, 33469), (619, 33538), (629, 33553), (664, 33595), (674, 33640), (677, 33649), (687, 33688), (690, 33706), (703, 33727), (707, 33742), (710, 33751), (712, 33754),

Gene: MissWhite_33 Start: 25561, Stop: 24443, Start Num: 150
Candidate Starts for MissWhite_33:
(Start: 150 @25561 has 120 MA's), (177, 25525), (Start: 189 @25507 has 14 MA's), (Start: 222 @25438 has 6 MA's), (232, 25420), (274, 25345), (277, 25339), (322, 25237), (326, 25225), (334, 25210), (356, 25174), (401, 25120), (510, 24886), (517, 24874), (548, 24799), (549, 24793), (559, 24772), (570, 24757), (579, 24739), (600, 24712), (678, 24553), (679, 24550), (685, 24523), (687, 24517), (689, 24505), (707, 24466), (712, 24454),

Gene: Mocha12_37 Start: 27875, Stop: 28957, Start Num: 155
Candidate Starts for Mocha12_37:
(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (516, 28553), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: MoneyMay_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for MoneyMay_36:
(Start: 150 @26789 has 120 MA's), (Start: 179 @26750 has 10 MA's), (203, 26702), (Start: 222 @26666 has 6 MA's), (242, 26621), (322, 26465), (334, 26438), (356, 26402), (403, 26345), (439, 26267), (450, 26243), (463, 26204), (497, 26132), (505, 26120), (510, 26114), (517, 26102), (548,

26027), (549, 26021), (559, 26000), (570, 25985), (579, 25967), (598, 25943), (665, 25829), (677, 25784), (678, 25781), (681, 25772), (685, 25751), (687, 25745), (689, 25733), (707, 25694),

Gene: Montavir_35 Start: 26751, Stop: 25645, Start Num: 179
Candidate Starts for Montavir_35:
(Start: 150 @26790 has 120 MA's), (Start: 179 @26751 has 10 MA's), (203, 26703), (Start: 222 @26667 has 6 MA's), (242, 26622), (322, 26466), (334, 26439), (356, 26403), (403, 26346), (439, 26268), (450, 26244), (463, 26205), (497, 26133), (505, 26121), (510, 26115), (517, 26103), (548, 26028), (549, 26022), (559, 26001), (570, 25986), (579, 25968), (598, 25944), (665, 25830), (677, 25785), (678, 25782), (681, 25773), (685, 25752), (687, 25746), (689, 25734), (707, 25695),

Gene: MooMoo_41 Start: 31904, Stop: 33025, Start Num: 158
Candidate Starts for MooMoo_41:
(Start: 158 @31904 has 315 MA's), (232, 32033), (Start: 252 @32075 has 15 MA's), (282, 32135), (299, 32180), (352, 32276), (359, 32285), (441, 32462), (465, 32522), (471, 32534), (473, 32537), (475, 32540), (477, 32549), (495, 32588), (499, 32594), (514, 32615), (533, 32651), (535, 32654), (548, 32690), (566, 32726), (583, 32741), (619, 32795), (629, 32810), (641, 32825), (674, 32897), (677, 32906), (681, 32918), (687, 32945), (690, 32963), (703, 32984), (707, 32999),

Gene: Moonbeam_41 Start: 32622, Stop: 33740, Start Num: 158
Candidate Starts for Moonbeam_41:
(Start: 158 @32622 has 315 MA's), (Start: 163 @32631 has 3 MA's), (Start: 252 @32793 has 15 MA's), (278, 32841), (329, 32958), (352, 32994), (359, 33003), (412, 33108), (441, 33177), (457, 33216), (463, 33234), (465, 33237), (471, 33249), (473, 33252), (477, 33264), (483, 33279), (495, 33303), (499, 33309), (514, 33330), (533, 33366), (535, 33369), (548, 33405), (549, 33411), (553, 33423), (555, 33426), (566, 33441), (619, 33510), (629, 33525), (650, 33543), (664, 33567), (674, 33612), (677, 33621), (687, 33660), (690, 33678), (703, 33699), (707, 33714), (710, 33723), (712, 33726),

Gene: Moonflower_36 Start: 30479, Stop: 31372, Start Num: 271
Candidate Starts for Moonflower_36:
(Start: 252 @30449 has 15 MA's), (Start: 256 @30455 has 84 MA's), (Start: 271 @30479 has 1 MA's), (279, 30497), (308, 30572), (309, 30575), (346, 30644), (347, 30650), (415, 30776), (450, 30836), (481, 30890), (486, 30899), (498, 30920), (504, 30929), (519, 30959), (594, 31091), (609, 31112), (621, 31136), (623, 31139), (650, 31175), (664, 31196), (674, 31241),

Gene: Moosehead_35 Start: 25354, Stop: 26436, Start Num: 151
Candidate Starts for Moosehead_35:
(Start: 151 @25354 has 1 MA's), (249, 25513), (278, 25558), (291, 25591), (440, 25864), (457, 25906), (473, 25942), (475, 25945), (477, 25954), (631, 26233), (670, 26293), (710, 26425),

Gene: Morkie_33 Start: 26172, Stop: 27254, Start Num: 155
Candidate Starts for Morkie_33:
(Start: 155 @26172 has 58 MA's), (Start: 189 @26226 has 14 MA's), (258, 26346), (401, 26601), (440, 26691), (467, 26757), (477, 26781), (559, 26952), (670, 27111), (676, 27138), (688, 27186), (710, 27243),

Gene: Morrow_33 Start: 26255, Stop: 25116, Start Num: 150
Candidate Starts for Morrow_33:
(Start: 113 @26300 has 3 MA's), (135, 26273), (Start: 150 @26255 has 120 MA's), (Start: 194 @26186 has 8 MA's), (Start: 222 @26132 has 6 MA's), (329, 25913), (334, 25904), (356, 25868), (395, 25826), (401, 25814), (403, 25811), (439, 25733), (497, 25598), (510, 25580), (548, 25493), (549, 25487), (559, 25466), (570, 25451), (579, 25433), (665, 25295), (678, 25247), (685, 25217), (687, 25211),

(689, 25199), (707, 25160), (718, 25136), (721, 25130),

Gene: Mova_42 Start: 31760, Stop: 32878, Start Num: 158
Candidate Starts for Mova_42:
(Start: 158 @31760 has 315 MA's), (235, 31898), (Start: 252 @31931 has 15 MA's), (278, 31979), (352, 32132), (359, 32141), (403, 32222), (441, 32315), (457, 32354), (465, 32375), (471, 32387), (473, 32390), (477, 32402), (483, 32417), (495, 32441), (499, 32447), (514, 32468), (533, 32504), (535, 32507), (548, 32543), (555, 32564), (566, 32579), (619, 32648), (629, 32663), (650, 32681), (664, 32705), (674, 32750), (677, 32759), (681, 32771), (687, 32798), (690, 32816), (703, 32837), (707, 32852), (710, 32861), (712, 32864),

Gene: Mozy_51 Start: 34630, Stop: 35748, Start Num: 158
Candidate Starts for Mozy_51:
(Start: 158 @34630 has 315 MA's), (Start: 163 @34639 has 3 MA's), (Start: 252 @34801 has 15 MA's), (329, 34966), (352, 35002), (359, 35011), (412, 35116), (441, 35185), (457, 35224), (465, 35245), (471, 35257), (473, 35260), (477, 35272), (495, 35311), (499, 35317), (514, 35338), (533, 35374), (535, 35377), (548, 35413), (549, 35419), (555, 35434), (619, 35518), (629, 35533), (664, 35575), (674, 35620), (677, 35629), (687, 35668), (690, 35686), (703, 35707), (707, 35722), (710, 35731), (712, 35734),

Gene: Ms6_36 Start: 27630, Stop: 28748, Start Num: 158
Candidate Starts for Ms6_36:
(Start: 158 @27630 has 315 MA's), (Start: 163 @27639 has 3 MA's), (Start: 252 @27801 has 15 MA's), (329, 27966), (352, 28002), (359, 28011), (412, 28116), (441, 28185), (457, 28224), (465, 28245), (471, 28257), (473, 28260), (477, 28272), (495, 28311), (499, 28317), (514, 28338), (533, 28374), (535, 28377), (548, 28413), (549, 28419), (553, 28431), (555, 28434), (566, 28449), (619, 28518), (629, 28533), (674, 28620), (677, 28629), (687, 28668), (690, 28686), (703, 28707), (707, 28722), (710, 28731), (712, 28734),

Gene: MuchMore_38 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for MuchMore_38:
(Start: 150 @26782 has 120 MA's), (Start: 179 @26743 has 10 MA's), (203, 26695), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (334, 26431), (356, 26395), (403, 26338), (439, 26260), (450, 26236), (463, 26197), (497, 26125), (505, 26113), (510, 26107), (517, 26095), (548, 26020), (549, 26014), (559, 25993), (570, 25978), (579, 25960), (598, 25936), (665, 25822), (677, 25777), (678, 25774), (681, 25765), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Mufasa_44 Start: 34136, Stop: 35236, Start Num: 158
Candidate Starts for Mufasa_44:
(Start: 158 @34136 has 315 MA's), (167, 34154), (Start: 189 @34187 has 14 MA's), (234, 34262), (Start: 252 @34298 has 15 MA's), (308, 34412), (322, 34436), (352, 34490), (371, 34514), (429, 34631), (439, 34655), (440, 34658), (457, 34700), (510, 34808), (553, 34913), (594, 34958), (606, 34973), (688, 35165),

Gene: Mufasa8_27 Start: 25316, Stop: 26536, Start Num: 158
Candidate Starts for Mufasa8_27:
(Start: 158 @25316 has 315 MA's), (235, 25445), (278, 25517), (282, 25529), (336, 25634), (355, 25658), (363, 25670), (390, 25712), (440, 25832), (446, 25844), (453, 25859), (465, 25895), (467, 25898), (477, 25922), (492, 25952), (502, 25976), (504, 25979), (511, 25988), (513, 25991), (545, 26063), (548, 26072), (549, 26078), (571, 26114), (585, 26144), (606, 26171), (626, 26213), (633, 26225),

Gene: MurphyJoseph_33 Start: 23984, Stop: 24748, Start Num: 325

Candidate Starts for MurphyJoseph_33:
(303, 23945), (325, 23984), (334, 24002), (382, 24071), (417, 24161), (447, 24209), (486, 24278), (491, 24284), (531, 24359), (539, 24371), (664, 24575), (667, 24590), (673, 24614), (679, 24635),

Gene: MurphyJoseph_36 Start: 26546, Stop: 25368, Start Num: 158
Candidate Starts for MurphyJoseph_36:
(Start: 158 @26546 has 315 MA's), (226, 26429), (290, 26309), (334, 26213), (359, 26177), (403, 26099), (439, 26012), (443, 26003), (467, 25943), (488, 25895), (559, 25742), (585, 25700), (664, 25583), (669, 25562), (670, 25559), (673, 25544), (712, 25424),

Gene: Murucutumbu_42 Start: 33469, Stop: 34557, Start Num: 158
Candidate Starts for Murucutumbu_42:
(Start: 158 @33469 has 315 MA's), (Start: 222 @33571 has 6 MA's), (234, 33595), (Start: 252 @33631 has 15 MA's), (282, 33682), (308, 33745), (322, 33769), (352, 33823), (355, 33826), (406, 33907), (439, 33976), (440, 33979), (454, 34009), (510, 34129), (545, 34207), (553, 34234), (661, 34369),

Gene: Mutaforma13_45 Start: 33170, Stop: 34288, Start Num: 158
Candidate Starts for Mutaforma13_45:
(Start: 158 @33170 has 315 MA's), (Start: 163 @33179 has 3 MA's), (235, 33308), (Start: 252 @33341 has 15 MA's), (278, 33389), (329, 33506), (352, 33542), (359, 33551), (412, 33656), (441, 33725), (465, 33785), (471, 33797), (473, 33800), (477, 33812), (483, 33827), (495, 33851), (499, 33857), (514, 33878), (533, 33914), (535, 33917), (548, 33953), (549, 33959), (553, 33971), (555, 33974), (619, 34058), (629, 34073), (664, 34115), (674, 34160), (677, 34169), (687, 34208), (690, 34226), (703, 34247), (707, 34262), (710, 34271), (712, 34274),

Gene: Mutzi_37 Start: 33648, Stop: 34565, Start Num: 256
Candidate Starts for Mutzi_37:
(Start: 252 @33642 has 15 MA's), (Start: 256 @33648 has 84 MA's), (309, 33768), (346, 33837), (347, 33843), (352, 33852), (406, 33945), (480, 34080), (481, 34083), (482, 34086), (486, 34092), (498, 34113), (535, 34176), (547, 34209), (548, 34212), (553, 34230), (594, 34284), (609, 34305), (621, 34329), (623, 34332), (650, 34368), (660, 34374), (664, 34389), (677, 34443), (707, 34536), (715, 34557),

Gene: Mynx_42 Start: 32799, Stop: 33887, Start Num: 158
Candidate Starts for Mynx_42:
(Start: 158 @32799 has 315 MA's), (Start: 222 @32901 has 6 MA's), (234, 32925), (Start: 252 @32961 has 15 MA's), (322, 33099), (352, 33153), (406, 33237), (439, 33306), (440, 33309), (459, 33357), (510, 33459), (553, 33564), (619, 33651), (661, 33699), (704, 33843),

Gene: NaSiaTalie_34 Start: 26377, Stop: 25379, Start Num: 222
Candidate Starts for NaSiaTalie_34:
(Start: 101 @26563 has 2 MA's), (Start: 150 @26500 has 120 MA's), (Start: 189 @26446 has 14 MA's), (Start: 222 @26377 has 6 MA's), (242, 26332), (305, 26206), (334, 26149), (356, 26113), (401, 26059), (403, 26056), (457, 25933), (463, 25915), (510, 25825), (517, 25813), (548, 25738), (549, 25732), (559, 25711), (570, 25696), (579, 25678), (600, 25651), (678, 25492), (685, 25462), (687, 25456), (689, 25444), (707, 25405),

Gene: Naji_37 Start: 26474, Stop: 25350, Start Num: 150
Candidate Starts for Naji_37:
(Start: 150 @26474 has 120 MA's), (Start: 189 @26420 has 14 MA's), (Start: 222 @26351 has 6 MA's), (322, 26150), (323, 26147), (334, 26123), (356, 26087), (403, 26030), (412, 26003), (439, 25952), (454, 25919), (457, 25907), (463, 25889), (497, 25817), (510, 25799), (517, 25787), (548, 25712), (549, 25706), (559, 25685), (570, 25670), (579, 25652), (600, 25625), (665, 25514), (678,

25466), (679, 25463), (685, 25436), (687, 25430), (689, 25418), (707, 25379),

Gene: Nandita_36 Start: 26292, Stop: 27212, Start Num: 256
Candidate Starts for Nandita_36:
(Start: 236 @26250 has 1 MA's), (Start: 256 @26292 has 84 MA's), (325, 26448), (334, 26466), (340, 26478), (417, 26625), (447, 26673), (481, 26733), (486, 26742), (491, 26748), (511, 26781), (521, 26805), (531, 26823), (539, 26835), (550, 26874), (667, 27054), (673, 27078), (677, 27093), (679, 27099), (706, 27180), (707, 27183),

Gene: Nebkiss_56 Start: 37263, Stop: 38534, Start Num: 114
Candidate Starts for Nebkiss_56:
(Start: 114 @37263 has 10 MA's), (Start: 148 @37311 has 1 MA's), (Start: 170 @37350 has 1 MA's), (298, 37629), (368, 37746), (395, 37815), (396, 37818), (401, 37827), (412, 37857), (443, 37923), (458, 37959), (470, 37986), (471, 37989), (477, 38004), (479, 38010), (499, 38043), (511, 38058), (513, 38061), (514, 38064), (520, 38076), (529, 38094), (533, 38103), (549, 38145), (550, 38151), (551, 38154), (576, 38199), (617, 38271), (655, 38337), (664, 38364), (684, 38448), (685, 38451), (692, 38478), (704, 38499),

Gene: Nebs_33 Start: 26248, Stop: 25127, Start Num: 150
Candidate Starts for Nebs_33:
(Start: 113 @26293 has 3 MA's), (135, 26266), (Start: 150 @26248 has 120 MA's), (Start: 194 @26179 has 8 MA's), (Start: 222 @26125 has 6 MA's), (329, 25906), (334, 25897), (356, 25861), (395, 25819), (401, 25807), (403, 25804), (439, 25726), (497, 25591), (510, 25573), (548, 25486), (549, 25480), (559, 25459), (570, 25444), (579, 25426), (665, 25288), (678, 25240), (685, 25210), (687, 25204), (689, 25192), (707, 25153),

Gene: Nekros_81 Start: 51195, Stop: 52469, Start Num: 114
Candidate Starts for Nekros_81:
(82, 51138), (Start: 102 @51180 has 2 MA's), (Start: 114 @51195 has 10 MA's), (117, 51198), (Start: 148 @51243 has 1 MA's), (Start: 170 @51282 has 1 MA's), (356, 51663), (395, 51747), (401, 51759), (403, 51762), (458, 51891), (529, 52011), (553, 52074), (566, 52092), (576, 52116), (617, 52188), (684, 52365), (685, 52368), (687, 52374), (690, 52392), (699, 52407), (704, 52416), (705, 52419), (726, 52464),

Gene: Neobush_39 Start: 30557, Stop: 31639, Start Num: 155
Candidate Starts for Neobush_39:
(Start: 83 @30446 has 6 MA's), (Start: 155 @30557 has 58 MA's), (Start: 189 @30611 has 14 MA's), (258, 30731), (401, 30986), (412, 31016), (440, 31076), (467, 31142), (477, 31166), (670, 31496), (676, 31523), (710, 31628),

Gene: Nettuno_33 Start: 26384, Stop: 27466, Start Num: 155
Candidate Starts for Nettuno_33:
(Start: 81 @26267 has 2 MA's), (Start: 83 @26273 has 6 MA's), (Start: 155 @26384 has 58 MA's), (Start: 189 @26438 has 14 MA's), (258, 26558), (401, 26813), (412, 26843), (440, 26903), (467, 26969), (477, 26993), (533, 27098), (670, 27323), (676, 27350), (710, 27455),

Gene: Neville_8 Start: 3425, Stop: 2322, Start Num: 197
Candidate Starts for Neville_8:
(Start: 187 @3452 has 20 MA's), (Start: 197 @3425 has 12 MA's), (203, 3413), (227, 3359), (Start: 236 @3344 has 1 MA's), (246, 3320), (258, 3293), (317, 3167), (375, 3095), (403, 3032), (406, 3020), (422, 2981), (460, 2897), (470, 2876), (516, 2789), (549, 2720), (554, 2708), (604, 2612), (616, 2588), (644, 2528), (657, 2492), (664, 2477), (673, 2438), (683, 2396),

Gene: NewHope4_45 Start: 32740, Stop: 33858, Start Num: 158
Candidate Starts for NewHope4_45:
(Start: 158 @32740 has 315 MA's), (235, 32878), (Start: 252 @32911 has 15 MA's), (278, 32959), (352, 33112), (359, 33121), (412, 33226), (441, 33295), (465, 33355), (471, 33367), (473, 33370), (483, 33397), (495, 33421), (514, 33448), (533, 33484), (535, 33487), (548, 33523), (549, 33529), (553, 33541), (555, 33544), (619, 33628), (629, 33643), (664, 33685), (674, 33730), (677, 33739), (687, 33778), (690, 33796), (703, 33817), (707, 33832), (710, 33841), (712, 33844),

Gene: NewKitty_38 Start: 26896, Stop: 25718, Start Num: 158
Candidate Starts for NewKitty_38:
(Start: 158 @26896 has 315 MA's), (226, 26779), (234, 26764), (290, 26659), (334, 26563), (359, 26527), (403, 26449), (439, 26362), (443, 26353), (467, 26293), (511, 26203), (555, 26098), (559, 26092), (585, 26050), (626, 25984), (664, 25933), (669, 25912), (670, 25909), (673, 25894), (712, 25774),

Gene: NewKitty_35 Start: 24177, Stop: 25094, Start Num: 256
Candidate Starts for NewKitty_35:
(Start: 256 @24177 has 84 MA's), (325, 24333), (333, 24348), (340, 24360), (417, 24507), (447, 24555), (476, 24600), (481, 24615), (486, 24624), (491, 24630), (498, 24645), (511, 24663), (531, 24705), (537, 24714), (550, 24756), (609, 24840), (623, 24867), (673, 24960), (674, 24966), (677, 24975), (707, 25065),

Gene: Nibb_43 Start: 32855, Stop: 33940, Start Num: 158
Candidate Starts for Nibb_43:
(Start: 158 @32855 has 315 MA's), (237, 32990), (Start: 252 @33017 has 15 MA's), (343, 33197), (352, 33209), (406, 33293), (439, 33362), (440, 33365), (510, 33515), (553, 33620), (619, 33707), (661, 33755), (688, 33863), (707, 33911),

Gene: Nibley_75 Start: 48028, Stop: 49317, Start Num: 102
Candidate Starts for Nibley_75:
(82, 47986), (Start: 102 @48028 has 2 MA's), (Start: 114 @48043 has 10 MA's), (117, 48046), (Start: 148 @48091 has 1 MA's), (Start: 170 @48130 has 1 MA's), (356, 48511), (395, 48595), (401, 48607), (403, 48610), (458, 48739), (529, 48859), (553, 48922), (566, 48940), (576, 48964), (617, 49036), (684, 49213), (685, 49216), (687, 49222), (690, 49240), (699, 49255), (704, 49264), (705, 49267), (726, 49312),

Gene: NicoleTera_37 Start: 27751, Stop: 26633, Start Num: 150
Candidate Starts for NicoleTera_37:
(Start: 150 @27751 has 120 MA's), (Start: 189 @27697 has 14 MA's), (Start: 222 @27628 has 6 MA's), (322, 27427), (334, 27400), (356, 27364), (395, 27322), (403, 27307), (439, 27229), (457, 27184), (510, 27076), (517, 27064), (535, 27025), (548, 26989), (549, 26983), (559, 26962), (570, 26947), (579, 26929), (600, 26902), (665, 26791), (678, 26743), (679, 26740), (685, 26713), (687, 26707), (689, 26695), (707, 26656),

Gene: NidoQ_33 Start: 25490, Stop: 26632, Start Num: 158
Candidate Starts for NidoQ_33:
(65, 25322), (74, 25346), (76, 25349), (Start: 158 @25490 has 315 MA's), (349, 25844), (352, 25850), (365, 25868), (412, 25976), (439, 26036), (477, 26129), (535, 26249), (550, 26297), (569, 26327), (626, 26423), (677, 26531), (701, 26606),

Gene: NihilNomen_82 Start: 53150, Stop: 54379, Start Num: 136
Candidate Starts for NihilNomen_82:

(Start: 136 @53150 has 29 MA's), (Start: 148 @53168 has 1 MA's), (Start: 170 @53207 has 1 MA's), (282, 53444), (329, 53552), (395, 53672), (396, 53675), (401, 53684), (406, 53699), (422, 53738), (458, 53816), (514, 53921), (520, 53933), (529, 53936), (533, 53945), (551, 53996), (553, 53999), (566, 54017), (617, 54113), (652, 54170), (684, 54290), (685, 54293), (690, 54317), (704, 54341), (705, 54344),

Gene: Nikao_39 Start: 34589, Stop: 35683, Start Num: 158
Candidate Starts for Nikao_39:
(26, 34238), (Start: 29 @34253 has 1 MA's), (45, 34346), (50, 34367), (78, 34460), (Start: 158 @34589 has 315 MA's), (Start: 189 @34640 has 14 MA's), (234, 34715), (Start: 252 @34751 has 15 MA's), (299, 34847), (308, 34865), (322, 34889), (349, 34937), (352, 34943), (426, 35075), (439, 35108), (457, 35153), (510, 35261), (553, 35366), (606, 35426), (661, 35501), (688, 35609), (704, 35645),

Gene: NikkiHotWheels_36 Start: 24352, Stop: 25272, Start Num: 256
Candidate Starts for NikkiHotWheels_36:
(Start: 256 @24352 has 84 MA's), (325, 24508), (334, 24526), (340, 24538), (382, 24595), (417, 24685), (421, 24694), (447, 24733), (486, 24802), (491, 24808), (511, 24841), (531, 24883), (539, 24895), (550, 24934), (667, 25114), (673, 25138), (677, 25153), (679, 25159), (706, 25240), (707, 25243),

Gene: Niklas_43 Start: 33040, Stop: 34131, Start Num: 158
Candidate Starts for Niklas_43:
(31, 32707), (46, 32806), (49, 32815), (54, 32842), (70, 32890), (Start: 158 @33040 has 315 MA's), (234, 33166), (Start: 252 @33202 has 15 MA's), (308, 33316), (322, 33340), (352, 33394), (406, 33478), (419, 33511), (439, 33547), (440, 33550), (457, 33592), (495, 33679), (510, 33700), (553, 33808), (606, 33868), (651, 33931), (661, 33943), (688, 34051), (704, 34087),

Gene: NothingSpecial_35 Start: 27853, Stop: 26801, Start Num: 194
Candidate Starts for NothingSpecial_35:
(135, 27940), (Start: 150 @27922 has 120 MA's), (Start: 194 @27853 has 8 MA's), (199, 27844), (Start: 222 @27799 has 6 MA's), (232, 27781), (242, 27754), (300, 27637), (322, 27598), (329, 27580), (334, 27571), (356, 27535), (395, 27493), (400, 27484), (403, 27478), (439, 27400), (457, 27355), (510, 27247), (517, 27235), (548, 27160), (549, 27154), (559, 27133), (570, 27118), (579, 27100), (665, 26962), (678, 26914), (685, 26884), (687, 26878), (689, 26866), (707, 26827),

Gene: Nutello_36 Start: 31976, Stop: 33070, Start Num: 158
Candidate Starts for Nutello_36:
(26, 31625), (Start: 29 @31640 has 1 MA's), (45, 31733), (50, 31754), (78, 31847), (Start: 158 @31976 has 315 MA's), (Start: 189 @32027 has 14 MA's), (234, 32102), (Start: 252 @32138 has 15 MA's), (299, 32234), (308, 32252), (322, 32276), (349, 32324), (352, 32330), (426, 32462), (439, 32495), (457, 32540), (510, 32648), (553, 32753), (606, 32813), (661, 32888), (688, 32996), (704, 33032),

Gene: Nyilah_36 Start: 25981, Stop: 24842, Start Num: 158
Candidate Starts for Nyilah_36:
(Start: 146 @25996 has 6 MA's), (Start: 158 @25981 has 315 MA's), (329, 25660), (352, 25624), (360, 25612), (365, 25606), (406, 25513), (412, 25498), (439, 25438), (453, 25408), (477, 25345), (495, 25306), (550, 25177), (563, 25156), (569, 25147), (626, 25051), (677, 24943), (681, 24931), (701, 24868),

Gene: Nymphadora_39 Start: 32012, Stop: 33094, Start Num: 155
Candidate Starts for Nymphadora_39:
(Start: 83 @31901 has 6 MA's), (Start: 155 @32012 has 58 MA's), (Start: 189 @32066 has 14 MA's), (258, 32186), (396, 32432), (401, 32441), (412, 32471), (440, 32531), (467, 32597), (477, 32621),

(670, 32951), (676, 32978), (710, 33083),

Gene: OBUpride_29 Start: 26514, Stop: 25279, Start Num: 160
Candidate Starts for OBUpride_29:
(Start: 160 @26514 has 2 MA's), (Start: 187 @26472 has 20 MA's), (216, 26406), (251, 26325), (267, 26286), (276, 26271), (278, 26265), (282, 26253), (292, 26226), (304, 26193), (334, 26136), (357, 26103), (359, 26100), (378, 26052), (395, 26010), (396, 26007), (406, 25983), (412, 25968), (422, 25944), (431, 25929), (450, 25890), (454, 25878), (467, 25839), (485, 25800), (514, 25752), (516, 25749), (548, 25677), (549, 25671), (553, 25659), (555, 25656), (559, 25650), (588, 25596), (602, 25578), (604, 25575), (617, 25548), (627, 25530), (630, 25524), (632, 25521), (662, 25479), (668, 25452), (670, 25446), (683, 25389), (706, 25326), (707, 25323),

Gene: ODay_52 Start: 33934, Stop: 35028, Start Num: 158
Candidate Starts for ODay_52:
(Start: 158 @33934 has 315 MA's), (Start: 189 @33985 has 14 MA's), (221, 34033), (235, 34063), (249, 34090), (291, 34168), (294, 34177), (406, 34369), (413, 34387), (457, 34486), (471, 34519), (473, 34522), (477, 34534), (535, 34636), (561, 34702), (582, 34729), (583, 34732), (631, 34801), (640, 34810), (670, 34861), (671, 34864), (677, 34891), (681, 34903), (712, 34996),

Gene: Obama12_34 Start: 26520, Stop: 25468, Start Num: 194
Candidate Starts for Obama12_34:
(Start: 113 @26634 has 3 MA's), (135, 26607), (Start: 150 @26589 has 120 MA's), (Start: 194 @26520 has 8 MA's), (Start: 222 @26466 has 6 MA's), (329, 26247), (334, 26238), (356, 26202), (395, 26160), (401, 26148), (403, 26145), (497, 25932), (510, 25914), (548, 25827), (549, 25821), (559, 25800), (570, 25785), (579, 25767), (665, 25629), (678, 25581), (685, 25551), (687, 25545), (689, 25533), (707, 25494),

Gene: Octobien14_6 Start: 2858, Stop: 1764, Start Num: 164
Candidate Starts for Octobien14_6:
(68, 3011), (Start: 164 @2858 has 4 MA's), (299, 2582), (344, 2495), (465, 2282), (475, 2264), (493, 2225), (538, 2141), (549, 2105), (562, 2084), (567, 2078), (615, 2003), (646, 1952), (674, 1883), (677, 1874), (684, 1844), (685, 1841),

Gene: Odette_80 Start: 52249, Stop: 53421, Start Num: 170
Candidate Starts for Odette_80:
(Start: 136 @52192 has 29 MA's), (Start: 148 @52210 has 1 MA's), (Start: 170 @52249 has 1 MA's), (282, 52486), (329, 52594), (395, 52714), (396, 52717), (401, 52726), (406, 52741), (422, 52780), (458, 52858), (514, 52963), (520, 52975), (529, 52978), (533, 52987), (551, 53038), (553, 53041), (566, 53059), (617, 53155), (652, 53212), (684, 53332), (685, 53335), (690, 53359), (704, 53383), (705, 53386),

Gene: Odin_33 Start: 25191, Stop: 24076, Start Num: 155
Candidate Starts for Odin_33:
(Start: 155 @25191 has 58 MA's), (Start: 189 @25143 has 14 MA's), (203, 25110), (Start: 222 @25074 has 6 MA's), (242, 25029), (326, 24861), (334, 24846), (356, 24810), (395, 24768), (401, 24756), (403, 24753), (454, 24642), (510, 24522), (517, 24510), (526, 24489), (548, 24435), (559, 24408), (570, 24393), (579, 24375), (600, 24348), (678, 24189), (685, 24159), (687, 24153), (689, 24141), (707, 24102), (710, 24093),

Gene: Ohfah_33 Start: 26248, Stop: 25127, Start Num: 150
Candidate Starts for Ohfah_33:
(Start: 113 @26293 has 3 MA's), (135, 26266), (Start: 150 @26248 has 120 MA's), (Start: 194 @26179 has 8 MA's), (Start: 222 @26125 has 6 MA's), (329, 25906), (334, 25897), (356, 25861), (395, 25819),

(401, 25807), (403, 25804), (439, 25726), (497, 25591), (510, 25573), (548, 25486), (549, 25480), (559, 25459), (570, 25444), (579, 25426), (665, 25288), (678, 25240), (685, 25210), (687, 25204), (689, 25192), (707, 25153),

Gene: OlanP_35 Start: 26824, Stop: 25679, Start Num: 150
Candidate Starts for OlanP_35:
(Start: 101 @26887 has 2 MA's), (Start: 150 @26824 has 120 MA's), (Start: 189 @26770 has 14 MA's), (Start: 222 @26701 has 6 MA's), (288, 26572), (302, 26536), (329, 26482), (334, 26473), (356, 26437), (403, 26380), (439, 26302), (454, 26269), (497, 26167), (510, 26149), (517, 26137), (548, 26062), (549, 26056), (559, 26035), (570, 26020), (579, 26002), (614, 25951), (677, 25819), (678, 25816), (685, 25786), (687, 25780), (689, 25768), (707, 25729),

Gene: Ollie_36 Start: 26621, Stop: 25515, Start Num: 179
Candidate Starts for Ollie_36:
(Start: 150 @26660 has 120 MA's), (Start: 179 @26621 has 10 MA's), (Start: 222 @26537 has 6 MA's), (242, 26492), (322, 26336), (334, 26309), (356, 26273), (403, 26216), (439, 26138), (450, 26114), (463, 26075), (497, 26003), (505, 25991), (510, 25985), (517, 25973), (548, 25898), (549, 25892), (559, 25871), (570, 25856), (579, 25838), (665, 25700), (677, 25655), (678, 25652), (681, 25643), (685, 25622), (687, 25616), (689, 25604), (707, 25565),

Gene: Omega_85 Start: 53296, Stop: 54570, Start Num: 114
Candidate Starts for Omega_85:
(82, 53239), (Start: 102 @53281 has 2 MA's), (Start: 114 @53296 has 10 MA's), (117, 53299), (Start: 148 @53344 has 1 MA's), (Start: 170 @53383 has 1 MA's), (356, 53764), (395, 53848), (401, 53860), (403, 53863), (458, 53992), (529, 54112), (553, 54175), (566, 54193), (576, 54217), (617, 54289), (684, 54466), (685, 54469), (687, 54475), (690, 54493), (699, 54508), (704, 54517), (705, 54520), (726, 54565),

Gene: OneDirection_30 Start: 24794, Stop: 25876, Start Num: 155
Candidate Starts for OneDirection_30:
(Start: 83 @24683 has 6 MA's), (Start: 155 @24794 has 58 MA's), (Start: 169 @24821 has 4 MA's), (Start: 189 @24848 has 14 MA's), (258, 24968), (401, 25223), (440, 25313), (467, 25379), (477, 25403), (670, 25733), (673, 25748), (676, 25760), (688, 25808), (710, 25865),

Gene: OnionKnight_30 Start: 24231, Stop: 22948, Start Num: 138
Candidate Starts for OnionKnight_30:
(Start: 138 @24231 has 2 MA's), (181, 24165), (255, 24003), (297, 23898), (371, 23781), (379, 23754), (392, 23733), (398, 23718), (459, 23586), (477, 23544), (514, 23478), (518, 23469), (542, 23418), (548, 23400), (561, 23370), (568, 23361), (576, 23331), (605, 23286), (645, 23193), (662, 23151), (665, 23133), (670, 23118), (677, 23088), (681, 23076), (686, 23052), (696, 23019), (704, 23007), (706, 22998), (707, 22995), (729, 22953),

Gene: Optimus_79 Start: 51901, Stop: 53130, Start Num: 136
Candidate Starts for Optimus_79:
(Start: 136 @51901 has 29 MA's), (Start: 148 @51919 has 1 MA's), (Start: 170 @51958 has 1 MA's), (282, 52195), (329, 52303), (395, 52423), (396, 52426), (401, 52435), (406, 52450), (422, 52489), (458, 52567), (514, 52672), (520, 52684), (529, 52687), (533, 52696), (551, 52747), (553, 52750), (566, 52768), (617, 52864), (652, 52921), (684, 53041), (685, 53044), (690, 53068), (704, 53092), (705, 53095),

Gene: Oregano_37 Start: 27817, Stop: 28734, Start Num: 256
Candidate Starts for Oregano_37:

(Start: 252 @27811 has 15 MA's), (Start: 256 @27817 has 84 MA's), (346, 28006), (347, 28012), (406, 28114), (415, 28138), (450, 28198), (482, 28255), (486, 28261), (491, 28267), (548, 28381), (549, 28387), (553, 28399), (609, 28474), (621, 28498), (623, 28501), (650, 28537), (660, 28543), (668, 28576),

Gene: Oregano_39 Start: 29184, Stop: 30311, Start Num: 158
Candidate Starts for Oregano_39:
(52, 28965), (58, 29001), (Start: 158 @29184 has 315 MA's), (Start: 189 @29238 has 14 MA's), (249, 29361), (268, 29394), (309, 29484), (326, 29517), (439, 29712), (440, 29715), (457, 29757), (473, 29793), (633, 30090), (681, 30210), (687, 30237), (710, 30300),

Gene: Oscar_45 Start: 33597, Stop: 34682, Start Num: 158
Candidate Starts for Oscar_45:
(15, 32994), (17, 33012), (20, 33090), (28, 33261), (42, 33336), (50, 33375), (64, 33429), (Start: 158 @33597 has 315 MA's), (237, 33732), (Start: 252 @33759 has 15 MA's), (322, 33897), (343, 33939), (352, 33951), (406, 34035), (439, 34104), (440, 34107), (457, 34149), (510, 34257), (553, 34362), (619, 34449), (661, 34497), (688, 34605), (707, 34653),

Gene: Ovechkin_41 Start: 32949, Stop: 34067, Start Num: 158
Candidate Starts for Ovechkin_41:
(Start: 158 @32949 has 315 MA's), (Start: 163 @32958 has 3 MA's), (Start: 252 @33120 has 15 MA's), (329, 33285), (352, 33321), (359, 33330), (412, 33435), (441, 33504), (463, 33561), (465, 33564), (471, 33576), (473, 33579), (477, 33591), (495, 33630), (514, 33657), (533, 33693), (535, 33696), (548, 33732), (549, 33738), (555, 33753), (566, 33768), (619, 33837), (629, 33852), (664, 33894), (674, 33939), (677, 33948), (687, 33987), (690, 34005), (703, 34026), (707, 34041), (710, 34050), (712, 34053),

Gene: P28Green_36 Start: 26792, Stop: 25647, Start Num: 150
Candidate Starts for P28Green_36:
(Start: 150 @26792 has 120 MA's), (Start: 179 @26753 has 10 MA's), (203, 26705), (Start: 222 @26669 has 6 MA's), (242, 26624), (322, 26468), (334, 26441), (356, 26405), (403, 26348), (439, 26270), (450, 26246), (463, 26207), (497, 26135), (505, 26123), (510, 26117), (517, 26105), (548, 26030), (549, 26024), (559, 26003), (570, 25988), (579, 25970), (598, 25946), (665, 25832), (677, 25787), (678, 25784), (681, 25775), (685, 25754), (687, 25748), (689, 25736), (707, 25697),

Gene: PFR1_26 Start: 22175, Stop: 21039, Start Num: 185
Candidate Starts for PFR1_26:
(137, 22253), (185, 22175), (Start: 189 @22166 has 14 MA's), (249, 22031), (253, 22025), (262, 21998), (269, 21986), (Start: 271 @21983 has 1 MA's), (279, 21965), (301, 21902), (362, 21818), (377, 21797), (405, 21728), (443, 21638), (453, 21614), (470, 21566), (495, 21509), (515, 21482), (522, 21464), (541, 21437), (552, 21398), (579, 21350), (638, 21263), (648, 21251), (660, 21233), (671, 21191), (673, 21179), (676, 21167), (680, 21155), (682, 21140),

Gene: PFR2_28 Start: 23744, Stop: 22608, Start Num: 185
Candidate Starts for PFR2_28:
(137, 23822), (185, 23744), (Start: 189 @23735 has 14 MA's), (249, 23600), (253, 23594), (262, 23567), (269, 23555), (Start: 271 @23552 has 1 MA's), (279, 23534), (301, 23471), (362, 23387), (377, 23366), (405, 23297), (443, 23207), (453, 23183), (470, 23135), (495, 23078), (515, 23051), (522, 23033), (541, 23006), (552, 22967), (579, 22919), (638, 22832), (648, 22820), (660, 22802), (671, 22760), (673, 22748), (676, 22736), (680, 22724), (682, 22709),

Gene: PGHhamlin_38 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for PGHhamlin_38:

(Start: 150 @26782 has 120 MA's), (Start: 179 @26743 has 10 MA's), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (334, 26431), (356, 26395), (403, 26338), (439, 26260), (450, 26236), (463, 26197), (497, 26125), (505, 26113), (510, 26107), (517, 26095), (548, 26020), (549, 26014), (559, 25993), (570, 25978), (579, 25960), (598, 25936), (665, 25822), (677, 25777), (678, 25774), (681, 25765), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Padfoot_41 Start: 32792, Stop: 33880, Start Num: 158
Candidate Starts for Padfoot_41:
(Start: 158 @32792 has 315 MA's), (Start: 222 @32894 has 6 MA's), (234, 32918), (Start: 252 @32954 has 15 MA's), (322, 33092), (406, 33230), (439, 33299), (440, 33302), (510, 33452), (553, 33557), (661, 33692),

Gene: Padpat_42 Start: 32470, Stop: 33558, Start Num: 158
Candidate Starts for Padpat_42:
(Start: 158 @32470 has 315 MA's), (Start: 189 @32521 has 14 MA's), (Start: 222 @32572 has 6 MA's), (234, 32596), (Start: 252 @32632 has 15 MA's), (322, 32770), (352, 32824), (406, 32908), (439, 32977), (440, 32980), (510, 33130), (545, 33208), (553, 33235), (619, 33322), (661, 33370),

Gene: PatoPoderoso_41 Start: 32437, Stop: 33546, Start Num: 163
Candidate Starts for PatoPoderoso_41:
(Start: 158 @32428 has 315 MA's), (Start: 163 @32437 has 3 MA's), (Start: 252 @32599 has 15 MA's), (329, 32764), (352, 32800), (359, 32809), (412, 32914), (441, 32983), (457, 33022), (463, 33040), (465, 33043), (471, 33055), (473, 33058), (477, 33070), (483, 33085), (495, 33109), (499, 33115), (514, 33136), (533, 33172), (535, 33175), (548, 33211), (549, 33217), (555, 33232), (566, 33247), (619, 33316), (629, 33331), (664, 33373), (674, 33418), (677, 33427), (681, 33439), (687, 33466), (690, 33484), (703, 33505), (707, 33520), (710, 33529), (712, 33532),

Gene: Pawn_35 Start: 26644, Stop: 25499, Start Num: 150
Candidate Starts for Pawn_35:
(Start: 101 @26707 has 2 MA's), (Start: 150 @26644 has 120 MA's), (Start: 189 @26590 has 14 MA's), (Start: 222 @26521 has 6 MA's), (329, 26302), (334, 26293), (356, 26257), (403, 26200), (439, 26122), (454, 26089), (497, 25987), (510, 25969), (517, 25957), (548, 25882), (549, 25876), (559, 25855), (570, 25840), (579, 25822), (598, 25798), (677, 25639), (678, 25636), (685, 25606), (687, 25600), (689, 25588), (707, 25549),

Gene: Peanam_43 Start: 33014, Stop: 34105, Start Num: 158
Candidate Starts for Peanam_43:
(11, 32333), (19, 32477), (31, 32681), (46, 32780), (49, 32789), (54, 32816), (70, 32864), (Start: 158 @33014 has 315 MA's), (234, 33140), (Start: 252 @33176 has 15 MA's), (308, 33290), (322, 33314), (352, 33368), (406, 33452), (419, 33485), (439, 33521), (440, 33524), (457, 33566), (495, 33653), (510, 33674), (553, 33782), (606, 33842), (651, 33905), (661, 33917), (688, 34025), (704, 34061),

Gene: Peas_35 Start: 27040, Stop: 28182, Start Num: 158
Candidate Starts for Peas_35:
(Start: 158 @27040 has 315 MA's), (349, 27394), (352, 27400), (363, 27415), (390, 27469), (412, 27526), (439, 27586), (453, 27616), (477, 27679), (535, 27799), (550, 27847), (626, 27973), (636, 27985), (677, 28081), (701, 28156),

Gene: Peel_41 Start: 32597, Stop: 33685, Start Num: 158
Candidate Starts for Peel_41:
(14, 31994), (22, 32171), (41, 32336), (50, 32375), (Start: 158 @32597 has 315 MA's), (Start: 189 @32648 has 14 MA's), (Start: 222 @32699 has 6 MA's), (234, 32723), (Start: 252 @32759 has 15 MA's), (322, 32897), (406, 33035), (439, 33104), (440, 33107), (510, 33257), (553, 33362), (661,

33497),

Gene: PeggyLeg03_34 Start: 24890, Stop: 25810, Start Num: 256
Candidate Starts for PeggyLeg03_34:
(Start: 256 @24890 has 84 MA's), (325, 25046), (334, 25064), (340, 25076), (417, 25223), (421, 25232), (447, 25271), (486, 25340), (491, 25346), (511, 25379), (531, 25421), (539, 25433), (667, 25652), (671, 25664), (673, 25676), (677, 25691), (679, 25697), (706, 25778), (707, 25781),

Gene: Pembroke_36 Start: 26791, Stop: 25646, Start Num: 150
Candidate Starts for Pembroke_36:
(Start: 150 @26791 has 120 MA's), (Start: 179 @26752 has 10 MA's), (Start: 222 @26668 has 6 MA's), (242, 26623), (322, 26467), (334, 26440), (356, 26404), (403, 26347), (439, 26269), (450, 26245), (463, 26206), (497, 26134), (505, 26122), (510, 26116), (517, 26104), (548, 26029), (549, 26023), (559, 26002), (570, 25987), (579, 25969), (598, 25945), (665, 25831), (677, 25786), (678, 25783), (681, 25774), (685, 25753), (687, 25747), (689, 25735), (707, 25696),

Gene: Penny1_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for Penny1_36:
(Start: 150 @26790 has 120 MA's), (Start: 179 @26751 has 10 MA's), (203, 26703), (Start: 222 @26667 has 6 MA's), (242, 26622), (322, 26466), (334, 26439), (356, 26403), (403, 26346), (439, 26268), (450, 26244), (463, 26205), (497, 26133), (505, 26121), (510, 26115), (517, 26103), (548, 26028), (549, 26022), (559, 26001), (570, 25986), (579, 25968), (598, 25944), (665, 25830), (677, 25785), (678, 25782), (681, 25773), (685, 25752), (687, 25746), (689, 25734), (707, 25695),

Gene: Pepperoni_31 Start: 25939, Stop: 27021, Start Num: 155
Candidate Starts for Pepperoni_31:
(Start: 155 @25939 has 58 MA's), (Start: 189 @25993 has 14 MA's), (258, 26113), (412, 26398), (440, 26458), (467, 26524), (477, 26548), (533, 26653), (559, 26719), (670, 26878), (676, 26905), (688, 26953), (710, 27010),

Gene: Periwinkle_57 Start: 34837, Stop: 35922, Start Num: 158
Candidate Starts for Periwinkle_57:
(93, 34750), (116, 34786), (Start: 158 @34837 has 315 MA's), (Start: 189 @34888 has 14 MA's), (221, 34936), (235, 34966), (249, 34993), (294, 35080), (329, 35152), (352, 35188), (359, 35197), (406, 35272), (413, 35290), (457, 35389), (471, 35422), (473, 35425), (477, 35437), (506, 35488), (535, 35539), (561, 35605), (631, 35704), (670, 35764), (676, 35791), (687, 35833), (712, 35899),

Gene: Persistence_35 Start: 26237, Stop: 25068, Start Num: 158
Candidate Starts for Persistence_35:
(86, 26342), (109, 26303), (Start: 158 @26237 has 315 MA's), (Start: 189 @26186 has 14 MA's), (282, 26018), (290, 26000), (334, 25904), (359, 25868), (403, 25790), (439, 25703), (443, 25694), (467, 25634), (511, 25544), (555, 25439), (559, 25433), (585, 25391), (664, 25274), (669, 25253), (670, 25250), (673, 25235), (687, 25181), (731, 25085),

Gene: PetriParty_38 Start: 28492, Stop: 27353, Start Num: 166
Candidate Starts for PetriParty_38:
(Start: 166 @28492 has 2 MA's), (203, 28426), (240, 28351), (250, 28330), (277, 28285), (309, 28201), (339, 28144), (348, 28126), (388, 28090), (401, 28060), (406, 28045), (410, 28033), (418, 28012), (439, 27976), (440, 27973), (450, 27952), (465, 27910), (467, 27907), (477, 27883), (497, 27844), (510, 27826), (563, 27718), (597, 27667), (643, 27595), (673, 27526), (674, 27520), (675, 27517), (691, 27454), (723, 27385), (729, 27379),

Gene: Ph8s_35 Start: 25309, Stop: 24314, Start Num: 222

Candidate Starts for Ph8s_35:
(Start: 155 @25426 has 58 MA's), (203, 25345), (Start: 222 @25309 has 6 MA's), (242, 25264), (326, 25096), (334, 25081), (356, 25045), (395, 25003), (401, 24991), (403, 24988), (410, 24964), (453, 24880), (497, 24775), (510, 24757), (517, 24745), (526, 24724), (548, 24670), (559, 24643), (570, 24628), (579, 24610), (600, 24583), (665, 24472), (678, 24424), (685, 24394), (687, 24388), (689, 24376), (707, 24337),

Gene: Phabuloso_48 Start: 32389, Stop: 33486, Start Num: 158
Candidate Starts for Phabuloso_48:
(Start: 158 @32389 has 315 MA's), (Start: 189 @32440 has 14 MA's), (235, 32518), (249, 32545), (294, 32632), (329, 32704), (352, 32740), (359, 32749), (406, 32824), (413, 32842), (427, 32869), (457, 32941), (471, 32974), (473, 32977), (477, 32989), (631, 33256), (670, 33316), (676, 33343), (688, 33391), (690, 33403), (712, 33451),

Gene: Phaded_37 Start: 28341, Stop: 27214, Start Num: 150
Candidate Starts for Phaded_37:
(Start: 150 @28341 has 120 MA's), (Start: 179 @28305 has 10 MA's), (Start: 222 @28221 has 6 MA's), (242, 28176), (306, 28047), (326, 28008), (356, 27957), (432, 27846), (439, 27822), (454, 27789), (457, 27777), (510, 27669), (512, 27666), (548, 27582), (549, 27576), (559, 27555), (570, 27540), (579, 27522), (678, 27336), (685, 27306), (687, 27300), (689, 27288), (707, 27249), (718, 27225),

Gene: Phalconet_41 Start: 31939, Stop: 33057, Start Num: 158
Candidate Starts for Phalconet_41:
(Start: 158 @31939 has 315 MA's), (Start: 163 @31948 has 3 MA's), (Start: 252 @32110 has 15 MA's), (329, 32275), (352, 32311), (359, 32320), (441, 32494), (457, 32533), (465, 32554), (471, 32566), (473, 32569), (477, 32581), (495, 32620), (499, 32626), (514, 32647), (533, 32683), (535, 32686), (548, 32722), (549, 32728), (555, 32743), (619, 32827), (629, 32842), (650, 32860), (674, 32929), (677, 32938), (687, 32977), (690, 32995), (703, 33016), (707, 33031), (710, 33040), (712, 33043),

Gene: Phanphagia_37 Start: 31053, Stop: 32171, Start Num: 158
Candidate Starts for Phanphagia_37:
(Start: 158 @31053 has 315 MA's), (Start: 163 @31062 has 3 MA's), (Start: 252 @31224 has 15 MA's), (329, 31389), (352, 31425), (359, 31434), (412, 31539), (441, 31608), (457, 31647), (463, 31665), (465, 31668), (471, 31680), (473, 31683), (477, 31695), (483, 31710), (495, 31734), (499, 31740), (514, 31761), (533, 31797), (535, 31800), (548, 31836), (549, 31842), (555, 31857), (566, 31872), (619, 31941), (629, 31956), (664, 31998), (674, 32043), (677, 32052), (681, 32064), (687, 32091), (690, 32109), (703, 32130), (707, 32145), (710, 32154), (712, 32157),

Gene: Phantastic_33 Start: 26109, Stop: 24964, Start Num: 134
Candidate Starts for Phantastic_33:
(Start: 134 @26109 has 2 MA's), (Start: 140 @26100 has 6 MA's), (Start: 222 @25965 has 6 MA's), (242, 25920), (331, 25743), (334, 25737), (343, 25722), (356, 25701), (403, 25644), (439, 25566), (463, 25503), (510, 25413), (517, 25401), (548, 25326), (559, 25299), (570, 25284), (579, 25266), (598, 25242), (665, 25128), (678, 25080), (685, 25050), (687, 25044), (689, 25032), (699, 25011), (707, 24993),

Gene: Pharaoh_32 Start: 27018, Stop: 25882, Start Num: 140
Candidate Starts for Pharaoh_32:
(112, 27054), (115, 27051), (Start: 140 @27018 has 6 MA's), (Start: 194 @26937 has 8 MA's), (Start: 222 @26883 has 6 MA's), (242, 26838), (334, 26655), (356, 26619), (401, 26565), (403, 26562), (406, 26550), (439, 26484), (453, 26454), (457, 26439), (497, 26349), (510, 26331), (517, 26319), (548,

26244), (549, 26238), (559, 26217), (570, 26202), (579, 26184), (595, 26163), (600, 26157), (665, 26046), (678, 25998), (685, 25968), (687, 25962), (689, 25950), (707, 25911),

Gene: Phelipe_33 Start: 26296, Stop: 25130, Start Num: 113
Candidate Starts for Phelipe_33:
(Start: 113 @26296 has 3 MA's), (135, 26269), (Start: 150 @26251 has 120 MA's), (Start: 194 @26182 has 8 MA's), (199, 26173), (Start: 222 @26128 has 6 MA's), (329, 25909), (334, 25900), (356, 25864), (395, 25822), (401, 25810), (403, 25807), (439, 25729), (497, 25594), (510, 25576), (548, 25489), (559, 25462), (570, 25447), (579, 25429), (665, 25291), (678, 25243), (685, 25213), (687, 25207), (689, 25195), (707, 25156),

Gene: PhesterPhotato_44 Start: 32894, Stop: 34012, Start Num: 158
Candidate Starts for PhesterPhotato_44:
(Start: 158 @32894 has 315 MA's), (Start: 163 @32903 has 3 MA's), (Start: 252 @33065 has 15 MA's), (329, 33230), (352, 33266), (359, 33275), (441, 33449), (457, 33488), (465, 33509), (471, 33521), (473, 33524), (477, 33536), (495, 33575), (499, 33581), (514, 33602), (533, 33638), (535, 33641), (548, 33677), (549, 33683), (555, 33698), (619, 33782), (629, 33797), (650, 33815), (674, 33884), (677, 33893), (687, 33932), (690, 33950), (703, 33971), (707, 33986), (710, 33995), (712, 33998),

Gene: Philus_43 Start: 31979, Stop: 33097, Start Num: 158
Candidate Starts for Philus_43:
(Start: 158 @31979 has 315 MA's), (235, 32117), (Start: 252 @32150 has 15 MA's), (278, 32198), (329, 32315), (352, 32351), (359, 32360), (412, 32465), (441, 32534), (465, 32594), (471, 32606), (473, 32609), (477, 32621), (483, 32636), (495, 32660), (499, 32666), (514, 32687), (533, 32723), (535, 32726), (548, 32762), (549, 32768), (553, 32780), (555, 32783), (619, 32867), (629, 32882), (664, 32924), (674, 32969), (677, 32978), (687, 33017), (690, 33035), (703, 33056), (707, 33071), (710, 33080), (712, 33083),

Gene: PhishRPhriends_34 Start: 25821, Stop: 24682, Start Num: 150
Candidate Starts for PhishRPhriends_34:
(Start: 101 @25884 has 2 MA's), (Start: 150 @25821 has 120 MA's), (Start: 189 @25767 has 14 MA's), (Start: 222 @25698 has 6 MA's), (329, 25479), (334, 25470), (356, 25434), (403, 25377), (439, 25299), (454, 25266), (497, 25164), (510, 25146), (517, 25134), (548, 25059), (549, 25053), (559, 25032), (570, 25017), (579, 24999), (598, 24975), (677, 24816), (678, 24813), (685, 24783), (687, 24777), (689, 24765), (707, 24726),

Gene: Phistory_51 Start: 33096, Stop: 34193, Start Num: 158
Candidate Starts for Phistory_51:
(93, 33009), (116, 33045), (Start: 158 @33096 has 315 MA's), (Start: 189 @33147 has 14 MA's), (235, 33225), (249, 33252), (278, 33297), (294, 33339), (406, 33531), (413, 33549), (427, 33576), (457, 33648), (465, 33669), (469, 33675), (477, 33696), (514, 33768), (549, 33852), (631, 33975), (667, 34026), (670, 34035), (676, 34062), (712, 34170), (719, 34185),

Gene: Phoebe_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for Phoebe_36:
(Start: 150 @26782 has 120 MA's), (Start: 179 @26743 has 10 MA's), (203, 26695), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (334, 26431), (356, 26395), (403, 26338), (439, 26260), (450, 26236), (463, 26197), (497, 26125), (505, 26113), (510, 26107), (517, 26095), (548, 26020), (549, 26014), (559, 25993), (570, 25978), (579, 25960), (598, 25936), (665, 25822), (677, 25777), (678, 25774), (681, 25765), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Phoebus_84 Start: 54332, Stop: 55561, Start Num: 136

Candidate Starts for Phoebus_84:
(Start: 136 @54332 has 29 MA's), (Start: 148 @54350 has 1 MA's), (Start: 170 @54389 has 1 MA's), (282, 54626), (329, 54734), (395, 54854), (396, 54857), (401, 54866), (406, 54881), (422, 54920), (458, 54998), (514, 55103), (520, 55115), (529, 55118), (533, 55127), (551, 55178), (553, 55181), (566, 55199), (617, 55295), (652, 55352), (684, 55472), (685, 55475), (690, 55499), (704, 55523), (705, 55526),

Gene: PhorbesPhlower_33 Start: 25600, Stop: 26682, Start Num: 155
Candidate Starts for PhorbesPhlower_33:
(Start: 83 @25489 has 6 MA's), (Start: 155 @25600 has 58 MA's), (Start: 189 @25654 has 14 MA's), (258, 25774), (329, 25921), (440, 26119), (467, 26185), (477, 26209), (670, 26539), (676, 26566), (710, 26671), (712, 26674),

Gene: Phrank15_39 Start: 27192, Stop: 26020, Start Num: 158
Candidate Starts for Phrank15_39:
(115, 27249), (Start: 158 @27192 has 315 MA's), (Start: 189 @27141 has 14 MA's), (282, 26973), (290, 26955), (359, 26823), (403, 26745), (406, 26733), (408, 26727), (439, 26658), (443, 26649), (467, 26589), (511, 26499), (555, 26394), (571, 26373), (585, 26346), (664, 26223), (670, 26199), (673, 26184), (712, 26064), (725, 26037),

Gene: Phranny_36 Start: 26629, Stop: 25490, Start Num: 150
Candidate Starts for Phranny_36:
(Start: 101 @26692 has 2 MA's), (Start: 150 @26629 has 120 MA's), (Start: 189 @26575 has 14 MA's), (Start: 222 @26506 has 6 MA's), (329, 26287), (334, 26278), (356, 26242), (403, 26185), (439, 26107), (454, 26074), (497, 25972), (510, 25954), (517, 25942), (548, 25867), (549, 25861), (559, 25840), (570, 25825), (579, 25807), (598, 25783), (677, 25624), (678, 25621), (685, 25591), (687, 25585), (689, 25573), (707, 25534),

Gene: Phrappuccino_38 Start: 20588, Stop: 21727, Start Num: 158
Candidate Starts for Phrappuccino_38:
(Start: 158 @20588 has 315 MA's), (191, 20642), (Start: 228 @20714 has 1 MA's), (352, 20966), (359, 20975), (401, 21065), (406, 21080), (439, 21158), (467, 21227), (473, 21239), (510, 21311), (537, 21362), (539, 21365), (549, 21401), (587, 21452), (619, 21500), (622, 21506), (629, 21515), (673, 21596), (702, 21689), (706, 21701), (710, 21713),

Gene: PhriskyACE_35 Start: 28658, Stop: 29575, Start Num: 256
Candidate Starts for PhriskyACE_35:
(Start: 252 @28652 has 15 MA's), (Start: 256 @28658 has 84 MA's), (342, 28841), (346, 28847), (347, 28853), (450, 29039), (486, 29102), (491, 29108), (498, 29123), (548, 29222), (549, 29228), (553, 29240), (609, 29315), (621, 29339), (623, 29342), (650, 29378), (660, 29384), (663, 29396), (677, 29453), (688, 29498),

Gene: Piatt_41 Start: 32792, Stop: 33880, Start Num: 158
Candidate Starts for Piatt_41:
(Start: 158 @32792 has 315 MA's), (Start: 222 @32894 has 6 MA's), (234, 32918), (Start: 252 @32954 has 15 MA's), (322, 33092), (406, 33230), (439, 33299), (440, 33302), (510, 33452), (553, 33557), (661, 33692),

Gene: Pickett_32 Start: 24860, Stop: 25942, Start Num: 155
Candidate Starts for Pickett_32:
(Start: 155 @24860 has 58 MA's), (Start: 189 @24914 has 14 MA's), (258, 25034), (412, 25319), (440, 25379), (467, 25445), (477, 25469), (670, 25799), (676, 25826), (710, 25931),

Gene: Pigu_32 Start: 23069, Stop: 24265, Start Num: 146
Candidate Starts for Pigu_32:
(30, 22745), (32, 22754), (35, 22775), (63, 22910), (96, 22994), (Start: 146 @23069 has 6 MA's), (178, 23120), (193, 23153), (220, 23216), (Start: 256 @23300 has 84 MA's), (287, 23372), (295, 23396), (307, 23423), (319, 23444), (377, 23507), (401, 23555), (406, 23570), (421, 23606), (435, 23633), (503, 23786), (572, 23921), (642, 24041), (667, 24098), (685, 24170), (705, 24221),

Gene: Pipp_33 Start: 27701, Stop: 28627, Start Num: 252
Candidate Starts for Pipp_33:
(Start: 252 @27701 has 15 MA's), (Start: 256 @27707 has 84 MA's), (308, 27824), (309, 27827), (342, 27890), (346, 27896), (347, 27902), (406, 28004), (450, 28088), (481, 28142), (482, 28145), (486, 28151), (498, 28172), (548, 28271), (553, 28289), (609, 28364), (623, 28391), (650, 28427), (677, 28502),

Gene: Pippy_38 Start: 29161, Stop: 30279, Start Num: 158
Candidate Starts for Pippy_38:
(Start: 158 @29161 has 315 MA's), (Start: 163 @29170 has 3 MA's), (Start: 252 @29332 has 15 MA's), (329, 29497), (352, 29533), (359, 29542), (403, 29623), (412, 29647), (441, 29716), (457, 29755), (463, 29773), (465, 29776), (471, 29788), (473, 29791), (477, 29803), (483, 29818), (495, 29842), (499, 29848), (514, 29869), (533, 29905), (535, 29908), (548, 29944), (549, 29950), (555, 29965), (566, 29980), (619, 30049), (629, 30064), (664, 30106), (674, 30151), (677, 30160), (687, 30199), (690, 30217), (703, 30238), (707, 30253), (710, 30262), (712, 30265),

Gene: Piro94_34 Start: 26723, Stop: 25590, Start Num: 150
Candidate Starts for Piro94_34:
(Start: 138 @26741 has 2 MA's), (Start: 150 @26723 has 120 MA's), (Start: 179 @26684 has 10 MA's), (Start: 189 @26669 has 14 MA's), (Start: 222 @26600 has 6 MA's), (242, 26555), (277, 26501), (331, 26378), (356, 26336), (393, 26300), (401, 26282), (450, 26177), (497, 26066), (510, 26048), (517, 26036), (548, 25961), (559, 25934), (570, 25919), (579, 25901), (600, 25874), (665, 25763), (677, 25718), (678, 25715), (685, 25685), (687, 25679), (689, 25667), (707, 25628),

Gene: Pisa1_41 Start: 33768, Stop: 34856, Start Num: 158
Candidate Starts for Pisa1_41:
(Start: 158 @33768 has 315 MA's), (Start: 222 @33870 has 6 MA's), (234, 33894), (Start: 252 @33930 has 15 MA's), (282, 33981), (308, 34044), (322, 34068), (352, 34122), (406, 34206), (439, 34275), (440, 34278), (510, 34428), (545, 34506), (553, 34533), (661, 34668), (704, 34812),

Gene: Pistachio_34 Start: 25844, Stop: 24717, Start Num: 150
Candidate Starts for Pistachio_34:
(Start: 150 @25844 has 120 MA's), (203, 25757), (Start: 222 @25721 has 6 MA's), (242, 25676), (322, 25520), (326, 25508), (329, 25502), (356, 25457), (401, 25403), (403, 25400), (439, 25322), (510, 25169), (517, 25157), (535, 25118), (548, 25082), (549, 25076), (559, 25055), (570, 25040), (579, 25022), (600, 24995), (665, 24884), (678, 24836), (685, 24806), (687, 24800), (689, 24788), (707, 24749),

Gene: Pokerus_40 Start: 32516, Stop: 33604, Start Num: 158
Candidate Starts for Pokerus_40:
(Start: 158 @32516 has 315 MA's), (Start: 222 @32618 has 6 MA's), (234, 32642), (Start: 252 @32678 has 15 MA's), (322, 32816), (352, 32870), (406, 32954), (439, 33023), (440, 33026), (510, 33176), (553, 33281), (619, 33368), (661, 33416), (704, 33560),

Gene: Pollux_37 Start: 30910, Stop: 31827, Start Num: 256
Candidate Starts for Pollux_37:

(Start: 252 @30904 has 15 MA's), (Start: 256 @30910 has 84 MA's), (Start: 271 @30934 has 1 MA's), (309, 31030), (346, 31099), (347, 31105), (413, 31228), (450, 31291), (481, 31345), (486, 31354), (498, 31375), (504, 31384), (519, 31414), (535, 31438), (594, 31546), (609, 31567), (623, 31594),

Gene: Pollux_38 Start: 32103, Stop: 33209, Start Num: 158
Candidate Starts for Pollux_38:
(Start: 114 @32046 has 10 MA's), (Start: 158 @32103 has 315 MA's), (Start: 189 @32154 has 14 MA's), (249, 32259), (276, 32298), (406, 32538), (439, 32607), (440, 32610), (454, 32640), (473, 32691), (477, 32703), (597, 32931), (638, 32991), (670, 33066), (677, 33096), (710, 33198),

Gene: Polly_36 Start: 30006, Stop: 31088, Start Num: 155
Candidate Starts for Polly_36:
(Start: 83 @29895 has 6 MA's), (Start: 155 @30006 has 58 MA's), (Start: 189 @30060 has 14 MA's), (258, 30180), (401, 30435), (412, 30465), (440, 30525), (467, 30591), (477, 30615), (670, 30945), (676, 30972), (710, 31077),

Gene: Polo2Bam_48 Start: 32594, Stop: 33712, Start Num: 158
Candidate Starts for Polo2Bam_48:
(Start: 158 @32594 has 315 MA's), (235, 32732), (Start: 252 @32765 has 15 MA's), (278, 32813), (352, 32966), (359, 32975), (412, 33080), (441, 33149), (465, 33209), (471, 33221), (473, 33224), (483, 33251), (495, 33275), (514, 33302), (533, 33338), (535, 33341), (548, 33377), (549, 33383), (553, 33395), (555, 33398), (619, 33482), (629, 33497), (664, 33539), (674, 33584), (677, 33593), (687, 33632), (690, 33650), (703, 33671), (707, 33686), (710, 33695), (712, 33698),

Gene: Polymorphads_33 Start: 26248, Stop: 25127, Start Num: 150
Candidate Starts for Polymorphads_33:
(Start: 113 @26293 has 3 MA's), (135, 26266), (Start: 150 @26248 has 120 MA's), (Start: 194 @26179 has 8 MA's), (Start: 222 @26125 has 6 MA's), (329, 25906), (334, 25897), (356, 25861), (395, 25819), (401, 25807), (403, 25804), (439, 25726), (497, 25591), (510, 25573), (548, 25486), (549, 25480), (559, 25459), (570, 25444), (579, 25426), (665, 25288), (678, 25240), (685, 25210), (687, 25204), (689, 25192), (707, 25153),

Gene: Pomar16_37 Start: 26461, Stop: 25391, Start Num: 189
Candidate Starts for Pomar16_37:
(Start: 150 @26515 has 120 MA's), (Start: 189 @26461 has 14 MA's), (Start: 222 @26392 has 6 MA's), (322, 26191), (334, 26164), (356, 26128), (403, 26071), (412, 26044), (439, 25993), (454, 25960), (457, 25948), (463, 25930), (510, 25840), (517, 25828), (535, 25789), (548, 25753), (549, 25747), (559, 25726), (570, 25711), (579, 25693), (600, 25666), (665, 25555), (678, 25507), (679, 25504), (685, 25477), (687, 25471), (689, 25459), (707, 25420),

Gene: Popper_34 Start: 26204, Stop: 27124, Start Num: 256
Candidate Starts for Popper_34:
(Start: 256 @26204 has 84 MA's), (274, 26243), (325, 26360), (334, 26378), (340, 26390), (417, 26537), (447, 26585), (481, 26645), (486, 26654), (491, 26660), (511, 26693), (531, 26735), (539, 26747), (550, 26786), (667, 26966), (673, 26990), (677, 27005), (679, 27011), (706, 27092), (707, 27095),

Gene: Porcelain_86 Start: 50735, Stop: 52009, Start Num: 114
Candidate Starts for Porcelain_86:
(82, 50678), (Start: 102 @50720 has 2 MA's), (Start: 114 @50735 has 10 MA's), (117, 50738), (Start: 148 @50783 has 1 MA's), (Start: 170 @50822 has 1 MA's), (356, 51203), (395, 51287), (401, 51299), (403, 51302), (458, 51431), (529, 51551), (553, 51614), (566, 51632), (576, 51656), (617, 51728), (684, 51905), (685, 51908), (687, 51914), (690, 51932), (699, 51947), (704, 51956), (705, 51959),

(726, 52004),

Gene: Posh_42 Start: 32975, Stop: 34057, Start Num: 155
Candidate Starts for Posh_42:
(Start: 83 @32864 has 6 MA's), (Start: 155 @32975 has 58 MA's), (Start: 189 @33029 has 14 MA's), (258, 33149), (440, 33494), (477, 33584), (533, 33689), (670, 33914), (676, 33941), (710, 34046),

Gene: PotatoSplit_37 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for PotatoSplit_37:
(Start: 150 @26790 has 120 MA's), (Start: 179 @26751 has 10 MA's), (203, 26703), (Start: 222 @26667 has 6 MA's), (242, 26622), (322, 26466), (334, 26439), (356, 26403), (403, 26346), (439, 26268), (450, 26244), (463, 26205), (497, 26133), (505, 26121), (510, 26115), (517, 26103), (548, 26028), (549, 26022), (559, 26001), (570, 25986), (579, 25968), (598, 25944), (665, 25830), (677, 25785), (678, 25782), (681, 25773), (685, 25752), (687, 25746), (689, 25734), (707, 25695),

Gene: Pound_82 Start: 54468, Stop: 55697, Start Num: 136
Candidate Starts for Pound_82:
(Start: 136 @54468 has 29 MA's), (Start: 148 @54486 has 1 MA's), (Start: 170 @54525 has 1 MA's), (282, 54762), (329, 54870), (395, 54990), (396, 54993), (401, 55002), (406, 55017), (422, 55056), (458, 55134), (514, 55239), (520, 55251), (529, 55254), (533, 55263), (551, 55314), (553, 55317), (566, 55335), (617, 55431), (652, 55488), (684, 55608), (685, 55611), (690, 55635), (704, 55659), (705, 55662),

Gene: Poushou_32 Start: 29943, Stop: 28732, Start Num: 169
Candidate Starts for Poushou_32:
(Start: 169 @29943 has 4 MA's), (255, 29769), (313, 29628), (401, 29469), (465, 29319), (513, 29229), (637, 28965), (649, 28929), (653, 28923), (704, 28758), (708, 28743), (709, 28740),

Gene: Power_33 Start: 26423, Stop: 25227, Start Num: 154
Candidate Starts for Power_33:
(130, 26453), (Start: 154 @26423 has 8 MA's), (Start: 222 @26303 has 6 MA's), (242, 26258), (322, 26102), (334, 26075), (356, 26039), (395, 25997), (403, 25982), (439, 25904), (454, 25871), (457, 25859), (463, 25841), (510, 25751), (517, 25739), (548, 25664), (549, 25658), (559, 25637), (570, 25622), (579, 25604), (600, 25577), (665, 25466), (678, 25418), (679, 25415), (685, 25388), (687, 25382), (689, 25370), (707, 25331), (737, 25277),

Gene: Prithvi_42 Start: 32665, Stop: 33753, Start Num: 158
Candidate Starts for Prithvi_42:
(72, 32518), (Start: 158 @32665 has 315 MA's), (Start: 222 @32767 has 6 MA's), (234, 32791), (Start: 252 @32827 has 15 MA's), (322, 32965), (352, 33019), (406, 33103), (439, 33172), (440, 33175), (510, 33325), (553, 33430), (619, 33517), (661, 33565), (704, 33709),

Gene: Pucara_31 Start: 24120, Stop: 25040, Start Num: 256
Candidate Starts for Pucara_31:
(Start: 256 @24120 has 84 MA's), (325, 24276), (334, 24294), (340, 24306), (417, 24453), (421, 24462), (447, 24501), (486, 24570), (491, 24576), (511, 24609), (531, 24651), (667, 24882), (673, 24906), (679, 24927), (706, 25008), (707, 25011),

Gene: Pukovnik_35 Start: 27554, Stop: 26421, Start Num: 140
Candidate Starts for Pukovnik_35:
(Start: 140 @27554 has 6 MA's), (Start: 222 @27419 has 6 MA's), (242, 27374), (245, 27368), (268, 27329), (322, 27218), (334, 27191), (356, 27155), (395, 27113), (401, 27101), (403, 27098), (510, 26867), (517, 26855), (548, 26780), (549, 26774), (559, 26753), (570, 26738), (579, 26720), (614,

26669), (665, 26582), (678, 26534), (685, 26504), (687, 26498), (689, 26486), (699, 26465), (707, 26447),

Gene: Puppy_34 Start: 25914, Stop: 24787, Start Num: 150
Candidate Starts for Puppy_34:
(Start: 150 @25914 has 120 MA's), (203, 25827), (Start: 222 @25791 has 6 MA's), (242, 25746), (322, 25590), (326, 25578), (329, 25572), (356, 25527), (401, 25473), (403, 25470), (410, 25446), (497, 25257), (510, 25239), (517, 25227), (535, 25188), (548, 25152), (549, 25146), (559, 25125), (570, 25110), (579, 25092), (665, 24954), (678, 24906), (685, 24876), (687, 24870), (689, 24858), (707, 24819),

Gene: PurpleHaze_35 Start: 26642, Stop: 25497, Start Num: 150
Candidate Starts for PurpleHaze_35:
(Start: 101 @26705 has 2 MA's), (Start: 150 @26642 has 120 MA's), (Start: 189 @26588 has 14 MA's), (Start: 222 @26519 has 6 MA's), (329, 26300), (334, 26291), (356, 26255), (403, 26198), (439, 26120), (454, 26087), (497, 25985), (510, 25967), (517, 25955), (548, 25880), (549, 25874), (559, 25853), (570, 25838), (579, 25820), (598, 25796), (677, 25637), (678, 25634), (685, 25604), (687, 25598), (689, 25586), (707, 25547),

Gene: Pytheas_39 Start: 31310, Stop: 32392, Start Num: 155
Candidate Starts for Pytheas_39:
(Start: 83 @31199 has 6 MA's), (Start: 155 @31310 has 58 MA's), (Start: 189 @31364 has 14 MA's), (258, 31484), (412, 31769), (440, 31829), (467, 31895), (477, 31919), (670, 32249), (676, 32276), (710, 32381),

Gene: Pytheas_34 Start: 28853, Stop: 29788, Start Num: 252
Candidate Starts for Pytheas_34:
(229, 28799), (Start: 252 @28853 has 15 MA's), (309, 28985), (382, 29102), (406, 29162), (407, 29165), (415, 29186), (480, 29297), (486, 29309), (531, 29390), (551, 29444), (558, 29450), (573, 29468), (609, 29528), (621, 29552), (623, 29555), (650, 29591), (660, 29597), (680, 29675), (697, 29735),

Gene: QueenB2_34 Start: 26488, Stop: 25370, Start Num: 150
Candidate Starts for QueenB2_34:
(Start: 101 @26551 has 2 MA's), (Start: 150 @26488 has 120 MA's), (Start: 189 @26434 has 14 MA's), (Start: 222 @26365 has 6 MA's), (242, 26320), (322, 26164), (323, 26161), (334, 26137), (356, 26101), (403, 26044), (439, 25966), (454, 25933), (457, 25921), (463, 25903), (510, 25813), (517, 25801), (549, 25720), (559, 25699), (570, 25684), (579, 25666), (600, 25639), (665, 25528), (678, 25480), (679, 25477), (685, 25450), (687, 25444), (689, 25432), (707, 25393),

Gene: QueenBeesly_34 Start: 26370, Stop: 25255, Start Num: 154
Candidate Starts for QueenBeesly_34:
(130, 26400), (Start: 154 @26370 has 8 MA's), (Start: 222 @26250 has 6 MA's), (242, 26205), (322, 26049), (334, 26022), (356, 25986), (395, 25944), (403, 25929), (454, 25818), (457, 25806), (463, 25788), (510, 25698), (517, 25686), (548, 25611), (549, 25605), (559, 25584), (570, 25569), (579, 25551), (600, 25524), (606, 25515), (665, 25413), (677, 25368), (678, 25365), (679, 25362), (685, 25335), (687, 25329), (689, 25317), (707, 25278),

Gene: QuincyRose_40 Start: 32781, Stop: 33869, Start Num: 158
Candidate Starts for QuincyRose_40:
(Start: 158 @32781 has 315 MA's), (Start: 222 @32883 has 6 MA's), (234, 32907), (Start: 252 @32943 has 15 MA's), (322, 33081), (352, 33135), (406, 33219), (439, 33288), (440, 33291), (510, 33441), (553, 33546), (619, 33633), (641, 33663), (661, 33681), (704, 33825),

Gene: QuinnAvery_38 Start: 27407, Stop: 28369, Start Num: 236
Candidate Starts for QuinnAvery_38:
(Start: 236 @27407 has 1 MA's), (Start: 256 @27449 has 84 MA's), (325, 27605), (334, 27623), (340, 27635), (417, 27782), (421, 27791), (447, 27830), (480, 27887), (486, 27899), (491, 27905), (511, 27938), (521, 27962), (531, 27980), (539, 27992), (667, 28211), (673, 28235), (677, 28250), (679, 28256), (706, 28337), (707, 28340),

Gene: Quokka_33 Start: 25599, Stop: 24475, Start Num: 150
Candidate Starts for Quokka_33:
(Start: 150 @25599 has 120 MA's), (199, 25521), (Start: 222 @25476 has 6 MA's), (242, 25431), (279, 25371), (334, 25248), (356, 25212), (401, 25158), (403, 25155), (457, 25032), (458, 25029), (463, 25014), (505, 24930), (510, 24924), (526, 24891), (533, 24876), (548, 24837), (559, 24810), (570, 24795), (579, 24777), (600, 24750), (665, 24639), (678, 24591), (679, 24588), (681, 24582), (685, 24561), (687, 24555), (689, 24543), (707, 24504),

Gene: REQ2_38 Start: 31529, Stop: 30324, Start Num: 175
Candidate Starts for REQ2_38:
(171, 31535), (Start: 175 @31529 has 7 MA's), (212, 31454), (243, 31382), (283, 31292), (315, 31220), (334, 31178), (360, 31139), (388, 31070), (391, 31061), (395, 31052), (406, 31025), (413, 31007), (422, 30986), (437, 30950), (488, 30833), (519, 30776), (548, 30716), (549, 30710), (555, 30695), (604, 30614), (670, 30485), (681, 30443), (710, 30353), (717, 30335),

Gene: Rabbitrun_10 Start: 3920, Stop: 2817, Start Num: 197
Candidate Starts for Rabbitrun_10:
(Start: 197 @3920 has 12 MA's), (203, 3908), (227, 3854), (234, 3845), (Start: 236 @3839 has 1 MA's), (246, 3815), (317, 3662), (375, 3590), (393, 3548), (403, 3527), (406, 3515), (418, 3482), (460, 3392), (470, 3371), (516, 3284), (534, 3257), (554, 3203), (616, 3083), (657, 2987), (664, 2972), (673, 2933), (683, 2891),

Gene: RadFad_40 Start: 27831, Stop: 26659, Start Num: 158
Candidate Starts for RadFad_40:
(Start: 158 @27831 has 315 MA's), (Start: 189 @27780 has 14 MA's), (248, 27666), (282, 27612), (290, 27594), (323, 27522), (345, 27480), (359, 27462), (403, 27384), (406, 27372), (439, 27297), (443, 27288), (467, 27228), (511, 27138), (555, 27033), (571, 27012), (583, 26988), (585, 26985), (628, 26916), (664, 26862), (670, 26838), (673, 26823), (712, 26703), (725, 26676),

Gene: RadFad_36 Start: 24572, Stop: 25492, Start Num: 256
Candidate Starts for RadFad_36:
(196, 24443), (207, 24470), (Start: 256 @24572 has 84 MA's), (303, 24686), (334, 24746), (340, 24758), (382, 24815), (417, 24905), (447, 24953), (486, 25022), (491, 25028), (511, 25061), (521, 25085), (673, 25358), (677, 25373), (679, 25379),

Gene: Ramen_41 Start: 32481, Stop: 33569, Start Num: 158
Candidate Starts for Ramen_41:
(Start: 158 @32481 has 315 MA's), (Start: 222 @32583 has 6 MA's), (234, 32607), (Start: 252 @32643 has 15 MA's), (322, 32781), (352, 32835), (406, 32919), (439, 32988), (440, 32991), (510, 33141), (545, 33219), (553, 33246), (619, 33333), (661, 33381),

Gene: Raphaella_36 Start: 24506, Stop: 25423, Start Num: 256
Candidate Starts for Raphaella_36:
(196, 24377), (200, 24383), (Start: 256 @24506 has 84 MA's), (325, 24662), (333, 24677), (340, 24689), (417, 24836), (421, 24845), (447, 24884), (476, 24929), (486, 24953), (491, 24959), (511,

24992), (531, 25034), (537, 25043), (550, 25085), (609, 25169), (673, 25289), (677, 25304),

Gene: Raphaella_40 Start: 27703, Stop: 26564, Start Num: 158
Candidate Starts for Raphaella_40:
(Start: 158 @27703 has 315 MA's), (Start: 189 @27652 has 14 MA's), (282, 27484), (290, 27466), (359, 27334), (403, 27256), (406, 27244), (408, 27238), (439, 27169), (443, 27160), (467, 27100), (511, 27010), (555, 26905), (571, 26884), (585, 26857), (664, 26734), (670, 26710), (673, 26695), (692, 26620), (706, 26590),

Gene: Rapunzel97_41 Start: 32477, Stop: 33565, Start Num: 158
Candidate Starts for Rapunzel97_41:
(Start: 158 @32477 has 315 MA's), (Start: 189 @32528 has 14 MA's), (Start: 222 @32579 has 6 MA's), (234, 32603), (Start: 252 @32639 has 15 MA's), (322, 32777), (352, 32831), (406, 32915), (439, 32984), (440, 32987), (510, 33137), (545, 33215), (553, 33242), (619, 33329), (661, 33377),

Gene: Raqqa_32 Start: 24809, Stop: 23658, Start Num: 172
Candidate Starts for Raqqa_32:
(Start: 158 @24836 has 315 MA's), (172, 24809), (Start: 189 @24785 has 14 MA's), (290, 24599), (334, 24503), (359, 24467), (403, 24389), (439, 24302), (443, 24293), (467, 24233), (511, 24143), (555, 24038), (559, 24032), (626, 23924), (664, 23873), (670, 23849), (673, 23834), (692, 23759), (712, 23714),

Gene: RavenCo17_41 Start: 31793, Stop: 32899, Start Num: 158
Candidate Starts for RavenCo17_41:
(Start: 114 @31736 has 10 MA's), (Start: 158 @31793 has 315 MA's), (Start: 189 @31844 has 14 MA's), (249, 31949), (276, 31988), (406, 32228), (439, 32297), (440, 32300), (454, 32330), (473, 32381), (477, 32393), (597, 32621), (638, 32681), (640, 32684), (670, 32756), (677, 32786), (710, 32888),

Gene: Rearden_78 Start: 49030, Stop: 50319, Start Num: 102
Candidate Starts for Rearden_78:
(82, 48988), (Start: 102 @49030 has 2 MA's), (Start: 114 @49045 has 10 MA's), (117, 49048), (Start: 148 @49093 has 1 MA's), (Start: 170 @49132 has 1 MA's), (356, 49513), (395, 49597), (401, 49609), (403, 49612), (458, 49741), (529, 49861), (553, 49924), (566, 49942), (576, 49966), (617, 50038), (684, 50215), (685, 50218), (687, 50224), (690, 50242), (699, 50257), (704, 50266), (705, 50269), (726, 50314),

Gene: Reba_36 Start: 26302, Stop: 25163, Start Num: 150
Candidate Starts for Reba_36:
(Start: 101 @26365 has 2 MA's), (Start: 150 @26302 has 120 MA's), (Start: 189 @26248 has 14 MA's), (Start: 222 @26179 has 6 MA's), (329, 25960), (334, 25951), (356, 25915), (403, 25858), (439, 25780), (454, 25747), (497, 25645), (510, 25627), (517, 25615), (548, 25540), (549, 25534), (559, 25513), (570, 25498), (579, 25480), (598, 25456), (677, 25297), (678, 25294), (685, 25264), (687, 25258), (689, 25246), (707, 25207),

Gene: Redno2_78 Start: 49946, Stop: 51175, Start Num: 136
Candidate Starts for Redno2_78:
(Start: 136 @49946 has 29 MA's), (Start: 148 @49964 has 1 MA's), (Start: 170 @50003 has 1 MA's), (282, 50240), (329, 50348), (395, 50468), (396, 50471), (401, 50480), (406, 50495), (422, 50534), (458, 50612), (514, 50717), (520, 50729), (529, 50732), (533, 50741), (551, 50792), (553, 50795), (566, 50813), (617, 50909), (652, 50966), (684, 51086), (685, 51089), (690, 51113), (704, 51137), (705, 51140),

Gene: Renaud18_46 Start: 32683, Stop: 33786, Start Num: 158
Candidate Starts for Renaud18_46:
(Start: 158 @32683 has 315 MA's), (Start: 189 @32731 has 14 MA's), (235, 32812), (246, 32839), (352, 33052), (371, 33076), (403, 33124), (439, 33205), (467, 33274), (471, 33283), (483, 33313), (495, 33337), (510, 33358), (545, 33436), (549, 33451), (597, 33511), (619, 33550), (629, 33565), (648, 33589), (664, 33616), (670, 33640), (674, 33661), (677, 33670), (688, 33715), (690, 33727),

Gene: Retro23_35 Start: 26753, Stop: 25632, Start Num: 150
Candidate Starts for Retro23_35:
(Start: 101 @26816 has 2 MA's), (Start: 150 @26753 has 120 MA's), (Start: 189 @26699 has 14 MA's), (Start: 222 @26630 has 6 MA's), (242, 26585), (322, 26429), (356, 26366), (406, 26297), (432, 26255), (439, 26231), (463, 26168), (510, 26078), (517, 26066), (548, 25991), (549, 25985), (559, 25964), (570, 25949), (579, 25931), (600, 25904), (665, 25793), (677, 25748), (678, 25745), (679, 25742), (685, 25715), (687, 25709), (689, 25697), (707, 25658),

Gene: Rialto_46 Start: 34385, Stop: 35503, Start Num: 158
Candidate Starts for Rialto_46:
(Start: 158 @34385 has 315 MA's), (Start: 252 @34556 has 15 MA's), (329, 34721), (352, 34757), (359, 34766), (412, 34871), (441, 34940), (457, 34979), (465, 35000), (471, 35012), (473, 35015), (477, 35027), (495, 35066), (499, 35072), (514, 35093), (533, 35129), (535, 35132), (548, 35168), (549, 35174), (555, 35189), (566, 35204), (619, 35273), (629, 35288), (674, 35375), (677, 35384), (687, 35423), (690, 35441), (703, 35462), (707, 35477), (710, 35486), (712, 35489),

Gene: Richie_40 Start: 27784, Stop: 26645, Start Num: 158
Candidate Starts for Richie_40:
(Start: 158 @27784 has 315 MA's), (Start: 189 @27733 has 14 MA's), (282, 27565), (290, 27547), (352, 27424), (359, 27415), (403, 27337), (406, 27325), (408, 27319), (439, 27250), (443, 27241), (467, 27181), (511, 27091), (555, 26986), (571, 26965), (585, 26938), (664, 26815), (670, 26791), (673, 26776), (692, 26701), (706, 26671),

Gene: Richie_36 Start: 24587, Stop: 25504, Start Num: 256
Candidate Starts for Richie_36:
(196, 24458), (200, 24464), (Start: 256 @24587 has 84 MA's), (333, 24758), (340, 24770), (382, 24827), (417, 24917), (421, 24926), (447, 24965), (476, 25010), (486, 25034), (491, 25040), (511, 25073), (531, 25115), (537, 25124), (550, 25166), (609, 25250), (673, 25370), (677, 25385),

Gene: Richo_43 Start: 33014, Stop: 34105, Start Num: 158
Candidate Starts for Richo_43:
(11, 32333), (19, 32477), (31, 32681), (46, 32780), (49, 32789), (54, 32816), (70, 32864), (Start: 158 @33014 has 315 MA's), (Start: 189 @33065 has 14 MA's), (234, 33140), (Start: 252 @33176 has 15 MA's), (308, 33290), (322, 33314), (352, 33368), (406, 33452), (419, 33485), (439, 33521), (440, 33524), (457, 33566), (495, 33653), (510, 33674), (553, 33782), (606, 33842), (651, 33905), (661, 33917), (688, 34025), (704, 34061),

Gene: Rita_44 Start: 31945, Stop: 33063, Start Num: 158
Candidate Starts for Rita_44:
(Start: 158 @31945 has 315 MA's), (235, 32083), (Start: 252 @32116 has 15 MA's), (278, 32164), (352, 32317), (359, 32326), (403, 32407), (441, 32500), (465, 32560), (471, 32572), (473, 32575), (483, 32602), (495, 32626), (514, 32653), (533, 32689), (535, 32692), (548, 32728), (566, 32764), (619, 32833), (629, 32848), (650, 32866), (674, 32935), (677, 32944), (681, 32956), (687, 32983), (690, 33001), (703, 33022), (707, 33037), (710, 33046), (712, 33049),

Gene: Rockstar_33 Start: 26058, Stop: 24934, Start Num: 150

Candidate Starts for Rockstar_33:
(Start: 118 @26100 has 1 MA's), (Start: 150 @26058 has 120 MA's), (Start: 179 @26019 has 10 MA's), (203, 25971), (Start: 222 @25935 has 6 MA's), (242, 25890), (329, 25716), (356, 25671), (395, 25629), (406, 25602), (439, 25536), (457, 25491), (510, 25383), (517, 25371), (526, 25350), (548, 25296), (549, 25290), (559, 25269), (570, 25254), (579, 25236), (600, 25209), (665, 25098), (678, 25050), (679, 25047), (685, 25020), (687, 25014), (689, 25002), (699, 24981), (707, 24963),

Gene: Roimos_33 Start: 26186, Stop: 25146, Start Num: 203
Candidate Starts for Roimos_33:
(Start: 150 @26273 has 120 MA's), (203, 26186), (Start: 222 @26150 has 6 MA's), (242, 26105), (279, 26045), (322, 25949), (326, 25937), (329, 25931), (356, 25886), (401, 25832), (403, 25829), (410, 25805), (497, 25616), (510, 25598), (517, 25586), (535, 25547), (548, 25511), (549, 25505), (559, 25484), (570, 25469), (579, 25451), (665, 25313), (678, 25265), (685, 25235), (687, 25229), (689, 25217), (707, 25178),

Gene: RootBeer_29 Start: 22941, Stop: 24083, Start Num: 158
Candidate Starts for RootBeer_29:
(Start: 158 @22941 has 315 MA's), (Start: 189 @22992 has 14 MA's), (201, 23019), (349, 23295), (352, 23301), (365, 23319), (412, 23427), (439, 23487), (477, 23580), (535, 23700), (550, 23748), (569, 23778), (626, 23874), (677, 23982), (701, 24057),

Gene: Rooter_31 Start: 23761, Stop: 22631, Start Num: 158
Candidate Starts for Rooter_31:
(Start: 158 @23761 has 315 MA's), (Start: 189 @23710 has 14 MA's), (191, 23707), (308, 23482), (329, 23437), (341, 23416), (343, 23413), (360, 23389), (406, 23290), (412, 23275), (450, 23194), (451, 23191), (548, 22978), (553, 22960), (557, 22954), (569, 22936), (583, 22909), (606, 22882), (619, 22855), (626, 22840), (633, 22831), (648, 22813), (673, 22747), (674, 22741), (677, 22732), (688, 22687), (701, 22657),

Gene: Rosmarinus_41 Start: 32583, Stop: 33671, Start Num: 158
Candidate Starts for Rosmarinus_41:
(14, 31980), (22, 32157), (41, 32322), (50, 32361), (Start: 158 @32583 has 315 MA's), (Start: 189 @32634 has 14 MA's), (Start: 222 @32685 has 6 MA's), (234, 32709), (Start: 252 @32745 has 15 MA's), (322, 32883), (406, 33021), (439, 33090), (440, 33093), (510, 33243), (553, 33348), (661, 33483),

Gene: RunningOnE_7 Start: 3145, Stop: 1910, Start Num: 153
Candidate Starts for RunningOnE_7:
(104, 3208), (111, 3199), (Start: 153 @3145 has 2 MA's), (279, 2884), (385, 2689), (428, 2575), (445, 2554), (462, 2521), (531, 2383), (553, 2320), (555, 2317), (579, 2281), (667, 2134), (688, 2050), (739, 1933),

Gene: Ryan_36 Start: 26903, Stop: 27823, Start Num: 256
Candidate Starts for Ryan_36:
(Start: 236 @26861 has 1 MA's), (Start: 256 @26903 has 84 MA's), (325, 27059), (334, 27077), (340, 27089), (417, 27236), (421, 27245), (447, 27284), (486, 27353), (491, 27359), (511, 27392), (521, 27416), (531, 27434), (539, 27446), (550, 27485), (667, 27665), (673, 27689), (677, 27704), (679, 27710), (706, 27791), (707, 27794),

Gene: SG4_40 Start: 31653, Stop: 32771, Start Num: 158
Candidate Starts for SG4_40:
(Start: 158 @31653 has 315 MA's), (Start: 163 @31662 has 3 MA's), (Start: 252 @31824 has 15 MA's), (329, 31989), (352, 32025), (359, 32034), (403, 32115), (412, 32139), (441, 32208), (457,

32247), (463, 32265), (465, 32268), (471, 32280), (473, 32283), (477, 32295), (495, 32334), (499, 32340), (514, 32361), (533, 32397), (535, 32400), (548, 32436), (549, 32442), (555, 32457), (619, 32541), (629, 32556), (650, 32574), (674, 32643), (677, 32652), (687, 32691), (690, 32709), (703, 32730), (707, 32745), (710, 32754), (712, 32757),

Gene: SPB78_39 Start: 30658, Stop: 29387, Start Num: 138
Candidate Starts for SPB78_39:
(Start: 138 @30658 has 2 MA's), (181, 30592), (270, 30403), (329, 30268), (343, 30244), (371, 30220), (381, 30190), (386, 30181), (389, 30175), (392, 30172), (459, 30025), (467, 30007), (514, 29917), (518, 29908), (568, 29800), (576, 29770), (605, 29722), (634, 29665), (645, 29629), (662, 29587), (665, 29569), (681, 29512), (686, 29488), (707, 29431), (720, 29404),

Gene: Saal_43 Start: 31957, Stop: 33075, Start Num: 158
Candidate Starts for Saal_43:
(Start: 158 @31957 has 315 MA's), (235, 32095), (Start: 252 @32128 has 15 MA's), (278, 32176), (329, 32293), (352, 32329), (359, 32338), (412, 32443), (441, 32512), (465, 32572), (471, 32584), (473, 32587), (477, 32599), (483, 32614), (495, 32638), (499, 32644), (514, 32665), (533, 32701), (535, 32704), (548, 32740), (549, 32746), (553, 32758), (555, 32761), (619, 32845), (629, 32860), (664, 32902), (674, 32947), (677, 32956), (687, 32995), (690, 33013), (703, 33034), (707, 33049), (710, 33058), (712, 33061),

Gene: Sabia_36 Start: 26783, Stop: 25638, Start Num: 150
Candidate Starts for Sabia_36:
(Start: 150 @26783 has 120 MA's), (Start: 179 @26744 has 10 MA's), (203, 26696), (Start: 222 @26660 has 6 MA's), (242, 26615), (322, 26459), (334, 26432), (356, 26396), (403, 26339), (439, 26261), (450, 26237), (463, 26198), (497, 26126), (505, 26114), (510, 26108), (517, 26096), (548, 26021), (549, 26015), (559, 25994), (570, 25979), (579, 25961), (598, 25937), (665, 25823), (677, 25778), (678, 25775), (681, 25766), (685, 25745), (687, 25739), (689, 25727), (707, 25688),

Gene: Sabinator_36 Start: 26788, Stop: 25643, Start Num: 150
Candidate Starts for Sabinator_36:
(Start: 150 @26788 has 120 MA's), (Start: 179 @26749 has 10 MA's), (203, 26701), (Start: 222 @26665 has 6 MA's), (242, 26620), (322, 26464), (334, 26437), (356, 26401), (403, 26344), (439, 26266), (450, 26242), (463, 26203), (497, 26131), (505, 26119), (510, 26113), (517, 26101), (548, 26026), (549, 26020), (559, 25999), (570, 25984), (579, 25966), (598, 25942), (665, 25828), (677, 25783), (678, 25780), (681, 25771), (685, 25750), (687, 25744), (689, 25732), (707, 25693),

Gene: Sahara_36 Start: 27505, Stop: 28704, Start Num: 81
Candidate Starts for Sahara_36:
(Start: 81 @27505 has 2 MA's), (Start: 83 @27511 has 6 MA's), (Start: 155 @27622 has 58 MA's), (Start: 189 @27676 has 14 MA's), (258, 27796), (401, 28051), (412, 28081), (440, 28141), (467, 28207), (477, 28231), (533, 28336), (670, 28561), (676, 28588), (710, 28693),

Gene: Sakai_36 Start: 24515, Stop: 25432, Start Num: 256
Candidate Starts for Sakai_36:
(196, 24386), (200, 24392), (Start: 256 @24515 has 84 MA's), (325, 24671), (333, 24686), (340, 24698), (417, 24845), (421, 24854), (447, 24893), (476, 24938), (486, 24962), (491, 24968), (511, 25001), (531, 25043), (537, 25052), (550, 25094), (609, 25178), (673, 25298), (677, 25313),

Gene: Sakai_40 Start: 27712, Stop: 26573, Start Num: 158
Candidate Starts for Sakai_40:
(Start: 158 @27712 has 315 MA's), (Start: 189 @27661 has 14 MA's), (282, 27493), (290, 27475), (359, 27343), (403, 27265), (406, 27253), (408, 27247), (439, 27178), (443, 27169), (467, 27109),

(511, 27019), (555, 26914), (571, 26893), (585, 26866), (664, 26743), (670, 26719), (673, 26704), (692, 26629), (706, 26599),

Gene: SamW_27 Start: 25228, Stop: 23900, Start Num: 91
Candidate Starts for SamW_27:
(Start: 91 @25228 has 3 MA's), (Start: 114 @25192 has 10 MA's), (121, 25183), (Start: 161 @25126 has 5 MA's), (272, 24916), (274, 24913), (318, 24814), (325, 24796), (370, 24730), (373, 24724), (383, 24712), (448, 24547), (466, 24502), (476, 24481), (480, 24469), (493, 24445), (507, 24421), (511, 24415), (528, 24379), (568, 24283), (603, 24226), (627, 24181), (643, 24157), (660, 24142), (676, 24076), (677, 24073), (683, 24046), (688, 24028), (713, 23968), (738, 23914),

Gene: Samman98_36 Start: 27315, Stop: 28232, Start Num: 256
Candidate Starts for Samman98_36:
(Start: 252 @27309 has 15 MA's), (Start: 256 @27315 has 84 MA's), (346, 27504), (347, 27510), (406, 27612), (415, 27636), (450, 27696), (482, 27753), (486, 27759), (491, 27765), (548, 27879), (549, 27885), (553, 27897), (609, 27972), (621, 27996), (623, 27999), (650, 28035), (660, 28041), (663, 28053), (688, 28155),

Gene: Samman98_40 Start: 29099, Stop: 30226, Start Num: 158
Candidate Starts for Samman98_40:
(124, 29060), (Start: 158 @29099 has 315 MA's), (Start: 189 @29153 has 14 MA's), (249, 29276), (268, 29309), (309, 29399), (326, 29432), (439, 29627), (440, 29630), (457, 29672), (473, 29708), (633, 30005), (670, 30083), (676, 30110), (681, 30125), (687, 30152), (710, 30215),

Gene: SamuelLPlaqson_42 Start: 33376, Stop: 34464, Start Num: 158
Candidate Starts for SamuelLPlaqson_42:
(50, 33154), (Start: 158 @33376 has 315 MA's), (Start: 189 @33427 has 14 MA's), (Start: 222 @33478 has 6 MA's), (234, 33502), (Start: 252 @33538 has 15 MA's), (308, 33652), (352, 33730), (406, 33814), (439, 33883), (440, 33886), (510, 34036), (553, 34141), (661, 34276), (704, 34420),

Gene: Sarge_28 Start: 22501, Stop: 21347, Start Num: 158
Candidate Starts for Sarge_28:
(108, 22564), (Start: 158 @22501 has 315 MA's), (Start: 189 @22450 has 14 MA's), (191, 22447), (201, 22423), (308, 22198), (329, 22153), (341, 22132), (343, 22129), (360, 22105), (406, 22006), (412, 21991), (450, 21910), (488, 21817), (523, 21748), (548, 21694), (557, 21670), (569, 21652), (583, 21625), (619, 21571), (626, 21556), (633, 21547), (673, 21463), (674, 21457), (677, 21448), (688, 21403), (701, 21373),

Gene: Sarma624_38 Start: 27903, Stop: 29021, Start Num: 158
Candidate Starts for Sarma624_38:
(Start: 158 @27903 has 315 MA's), (Start: 252 @28074 has 15 MA's), (329, 28239), (352, 28275), (359, 28284), (403, 28365), (412, 28389), (441, 28458), (457, 28497), (463, 28515), (465, 28518), (471, 28530), (473, 28533), (477, 28545), (483, 28560), (495, 28584), (499, 28590), (514, 28611), (533, 28647), (535, 28650), (548, 28686), (549, 28692), (553, 28704), (555, 28707), (566, 28722), (619, 28791), (629, 28806), (664, 28848), (674, 28893), (677, 28902), (687, 28941), (690, 28959), (703, 28980), (707, 28995), (710, 29004), (712, 29007),

Gene: Sashimi_39 Start: 28789, Stop: 27602, Start Num: 158
Candidate Starts for Sashimi_39:
(Start: 158 @28789 has 315 MA's), (Start: 189 @28738 has 14 MA's), (226, 28672), (290, 28552), (326, 28471), (334, 28456), (359, 28420), (403, 28342), (439, 28255), (443, 28246), (455, 28216), (467, 28186), (511, 28096), (555, 27991), (664, 27820), (670, 27796), (673, 27781), (712, 27661),

Gene: Sashimi_35 Start: 25890, Stop: 26810, Start Num: 256
Candidate Starts for Sashimi_35:
(196, 25755), (198, 25758), (205, 25773), (207, 25782), (Start: 236 @25848 has 1 MA's), (Start: 256 @25890 has 84 MA's), (325, 26046), (328, 26052), (334, 26064), (340, 26076), (417, 26223), (421, 26232), (447, 26271), (476, 26316), (486, 26340), (491, 26346), (539, 26433), (564, 26490), (607, 26550), (609, 26556), (623, 26583), (673, 26676), (677, 26691), (707, 26781),

Gene: Satrap_36 Start: 24680, Stop: 25600, Start Num: 256
Candidate Starts for Satrap_36:
(196, 24551), (Start: 256 @24680 has 84 MA's), (334, 24854), (417, 25013), (447, 25061), (476, 25106), (486, 25130), (491, 25136), (494, 25145), (511, 25169), (539, 25223), (564, 25280), (609, 25346), (673, 25466), (677, 25481), (707, 25571),

Gene: Satrap_40 Start: 27780, Stop: 26602, Start Num: 158
Candidate Starts for Satrap_40:
(Start: 158 @27780 has 315 MA's), (226, 27663), (290, 27543), (334, 27447), (359, 27411), (395, 27348), (403, 27333), (439, 27246), (443, 27237), (467, 27177), (488, 27129), (555, 26982), (559, 26976), (585, 26934), (664, 26817), (669, 26796), (670, 26793), (673, 26778), (712, 26658),

Gene: SaturnRing_33 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for SaturnRing_33:
(Start: 150 @26297 has 120 MA's), (203, 26210), (Start: 222 @26174 has 6 MA's), (242, 26129), (322, 25973), (326, 25961), (329, 25955), (356, 25910), (401, 25856), (403, 25853), (439, 25775), (510, 25622), (517, 25610), (535, 25571), (548, 25535), (549, 25529), (559, 25508), (570, 25493), (579, 25475), (600, 25448), (665, 25337), (678, 25289), (685, 25259), (687, 25253), (689, 25241), (707, 25202),

Gene: Savage_37 Start: 27875, Stop: 28957, Start Num: 155
Candidate Starts for Savage_37:
(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: Sbash_40 Start: 34462, Stop: 33260, Start Num: 175
Candidate Starts for Sbash_40:
(Start: 175 @34462 has 7 MA's), (212, 34387), (224, 34357), (227, 34354), (321, 34141), (322, 34138), (359, 34075), (397, 33979), (413, 33940), (422, 33919), (450, 33865), (514, 33730), (604, 33553), (605, 33550), (607, 33547), (617, 33526), (670, 33424), (673, 33409), (689, 33343), (698, 33322),

Gene: Scarlett_45 Start: 33589, Stop: 34674, Start Num: 158
Candidate Starts for Scarlett_45:
(15, 32986), (17, 33004), (20, 33082), (28, 33253), (42, 33328), (50, 33367), (64, 33421), (Start: 158 @33589 has 315 MA's), (237, 33724), (Start: 252 @33751 has 15 MA's), (322, 33889), (343, 33931), (352, 33943), (406, 34027), (439, 34096), (440, 34099), (457, 34141), (510, 34249), (553, 34354), (619, 34441), (661, 34489), (688, 34597), (707, 34645),

Gene: Schatzie_77 Start: 51939, Stop: 53168, Start Num: 136
Candidate Starts for Schatzie_77:
(Start: 136 @51939 has 29 MA's), (Start: 148 @51957 has 1 MA's), (Start: 170 @51996 has 1 MA's), (282, 52233), (329, 52341), (395, 52461), (396, 52464), (401, 52473), (406, 52488), (422, 52527), (458, 52605), (514, 52710), (520, 52722), (529, 52725), (533, 52734), (551, 52785), (553, 52788), (566, 52806), (617, 52902), (652, 52959), (684, 53079), (685, 53082), (690, 53106), (704, 53130), (705, 53133),

Gene: Schism_38 Start: 27082, Stop: 28002, Start Num: 256
Candidate Starts for Schism_38:
(Start: 236 @27040 has 1 MA's), (Start: 256 @27082 has 84 MA's), (325, 27238), (334, 27256), (340, 27268), (382, 27325), (417, 27415), (421, 27424), (447, 27463), (481, 27523), (486, 27532), (491, 27538), (511, 27571), (531, 27613), (539, 27625), (550, 27664), (667, 27844), (673, 27868), (677, 27883), (679, 27889), (706, 27970), (707, 27973),

Gene: Schmidt_32 Start: 24660, Stop: 23548, Start Num: 192
Candidate Starts for Schmidt_32:
(Start: 192 @24660 has 2 MA's), (213, 24615), (332, 24354), (353, 24330), (405, 24249), (406, 24243), (450, 24150), (467, 24108), (469, 24105), (483, 24069), (526, 23997), (548, 23946), (549, 23940), (559, 23919), (659, 23772), (670, 23733), (677, 23703), (685, 23670), (707, 23610), (727, 23571), (734, 23556),

Gene: Scout_33 Start: 25604, Stop: 24477, Start Num: 150
Candidate Starts for Scout_33:
(Start: 150 @25604 has 120 MA's), (203, 25517), (Start: 222 @25481 has 6 MA's), (242, 25436), (279, 25376), (322, 25280), (326, 25268), (329, 25262), (356, 25217), (401, 25163), (403, 25160), (410, 25136), (497, 24947), (510, 24929), (517, 24917), (535, 24878), (548, 24842), (549, 24836), (559, 24815), (570, 24800), (579, 24782), (665, 24644), (678, 24596), (685, 24566), (687, 24560), (689, 24548), (707, 24509),

Gene: Seahorse_41 Start: 29287, Stop: 28109, Start Num: 158
Candidate Starts for Seahorse_41:
(Start: 158 @29287 has 315 MA's), (226, 29170), (290, 29050), (359, 28918), (403, 28840), (439, 28753), (443, 28744), (467, 28684), (511, 28594), (555, 28489), (559, 28483), (585, 28441), (664, 28324), (669, 28303), (670, 28300), (673, 28285), (712, 28165),

Gene: Seahorse_38 Start: 26187, Stop: 27107, Start Num: 256
Candidate Starts for Seahorse_38:
(196, 26058), (200, 26064), (Start: 256 @26187 has 84 MA's), (303, 26301), (330, 26352), (334, 26361), (340, 26373), (382, 26430), (417, 26520), (421, 26529), (447, 26568), (486, 26637), (491, 26643), (494, 26652), (511, 26676), (521, 26700), (620, 26874), (673, 26973), (677, 26988), (707, 27078),

Gene: Sejanus_42 Start: 40492, Stop: 39290, Start Num: 175
Candidate Starts for Sejanus_42:
(Start: 175 @40492 has 7 MA's), (212, 40417), (Start: 222 @40393 has 6 MA's), (224, 40387), (275, 40282), (321, 40171), (322, 40168), (359, 40105), (413, 39970), (422, 39949), (450, 39895), (510, 39766), (514, 39760), (605, 39580), (607, 39577), (617, 39556), (640, 39520), (670, 39454), (673, 39439), (689, 39373), (700, 39349), (710, 39319),

Gene: Sekhmet_40 Start: 29999, Stop: 31126, Start Num: 158
Candidate Starts for Sekhmet_40:
(124, 29960), (Start: 158 @29999 has 315 MA's), (Start: 189 @30053 has 14 MA's), (249, 30176), (268, 30209), (309, 30299), (326, 30332), (439, 30527), (440, 30530), (457, 30572), (473, 30608), (633, 30905), (670, 30983), (676, 31010), (681, 31025), (687, 31052), (710, 31115),

Gene: SemperFi_35 Start: 26638, Stop: 25517, Start Num: 154
Candidate Starts for SemperFi_35:
(130, 26668), (Start: 154 @26638 has 8 MA's), (Start: 222 @26518 has 6 MA's), (242, 26473), (322, 26317), (334, 26290), (356, 26254), (403, 26197), (406, 26185), (439, 26119), (457, 26074), (463,

26056), (510, 25966), (517, 25954), (543, 25897), (548, 25879), (549, 25873), (559, 25852), (570, 25837), (579, 25819), (600, 25792), (665, 25681), (678, 25633), (679, 25630), (685, 25603), (687, 25597), (689, 25585), (707, 25546),

Gene: Sephiroth_7 Start: 2692, Stop: 1604, Start Num: 164
Candidate Starts for Sephiroth_7:
(95, 2797), (149, 2713), (Start: 164 @2692 has 4 MA's), (259, 2521), (297, 2431), (306, 2407), (320, 2386), (449, 2155), (465, 2122), (483, 2080), (493, 2065), (504, 2044), (511, 2035), (514, 2029), (549, 1945), (558, 1930), (615, 1843), (632, 1810), (674, 1723), (676, 1717), (684, 1684), (687, 1675), (688, 1669),

Gene: Serenity_34 Start: 25724, Stop: 24600, Start Num: 150
Candidate Starts for Serenity_34:
(Start: 150 @25724 has 120 MA's), (199, 25646), (Start: 222 @25601 has 6 MA's), (242, 25556), (266, 25514), (279, 25496), (334, 25373), (356, 25337), (401, 25283), (403, 25280), (439, 25202), (457, 25157), (458, 25154), (463, 25139), (505, 25055), (510, 25049), (526, 25016), (548, 24962), (559, 24935), (570, 24920), (579, 24902), (600, 24875), (665, 24764), (678, 24716), (679, 24713), (681, 24707), (685, 24686), (687, 24680), (689, 24668), (707, 24629),

Gene: Settecandela_38 Start: 20588, Stop: 21727, Start Num: 158
Candidate Starts for Settecandela_38:
(Start: 158 @20588 has 315 MA's), (191, 20642), (Start: 228 @20714 has 1 MA's), (352, 20966), (359, 20975), (401, 21065), (406, 21080), (439, 21158), (467, 21227), (473, 21239), (510, 21311), (537, 21362), (539, 21365), (549, 21401), (587, 21452), (619, 21500), (622, 21506), (629, 21515), (673, 21596), (702, 21689), (706, 21701), (710, 21713),

Gene: SgtBeansprout_36 Start: 31976, Stop: 33070, Start Num: 158
Candidate Starts for SgtBeansprout_36:
(26, 31625), (Start: 29 @31640 has 1 MA's), (45, 31733), (50, 31754), (78, 31847), (Start: 158 @31976 has 315 MA's), (Start: 189 @32027 has 14 MA's), (234, 32102), (Start: 252 @32138 has 15 MA's), (299, 32234), (308, 32252), (322, 32276), (349, 32324), (352, 32330), (426, 32462), (439, 32495), (457, 32540), (510, 32648), (553, 32753), (606, 32813), (661, 32888), (688, 32996), (704, 33032),

Gene: Shaboozey_79 Start: 48487, Stop: 49761, Start Num: 114
Candidate Starts for Shaboozey_79:
(82, 48430), (Start: 102 @48472 has 2 MA's), (Start: 114 @48487 has 10 MA's), (117, 48490), (Start: 148 @48535 has 1 MA's), (Start: 170 @48574 has 1 MA's), (356, 48955), (395, 49039), (401, 49051), (403, 49054), (458, 49183), (529, 49303), (553, 49366), (566, 49384), (576, 49408), (617, 49480), (684, 49657), (685, 49660), (687, 49666), (690, 49684), (699, 49699), (704, 49708), (705, 49711), (726, 49756),

Gene: Shaobing_43 Start: 33037, Stop: 34128, Start Num: 158
Candidate Starts for Shaobing_43:
(31, 32704), (46, 32803), (49, 32812), (54, 32839), (70, 32887), (Start: 158 @33037 has 315 MA's), (Start: 187 @33082 has 20 MA's), (Start: 189 @33088 has 14 MA's), (234, 33163), (Start: 252 @33199 has 15 MA's), (308, 33313), (322, 33337), (352, 33391), (406, 33475), (419, 33508), (439, 33544), (440, 33547), (457, 33589), (495, 33676), (510, 33697), (553, 33805), (606, 33865), (651, 33928), (661, 33940), (688, 34048), (704, 34084),

Gene: Shauna1_38 Start: 31056, Stop: 32174, Start Num: 158
Candidate Starts for Shauna1_38:
(Start: 158 @31056 has 315 MA's), (Start: 252 @31227 has 15 MA's), (329, 31392), (352, 31428), (359, 31437), (403, 31518), (441, 31611), (465, 31671), (471, 31683), (473, 31686), (483, 31713),

(495, 31737), (514, 31764), (533, 31800), (535, 31803), (548, 31839), (566, 31875), (619, 31944), (629, 31959), (650, 31977), (674, 32046), (677, 32055), (681, 32067), (687, 32094), (690, 32112), (703, 32133), (707, 32148), (710, 32157), (712, 32160),

Gene: ShawBrad_51 Start: 32319, Stop: 33413, Start Num: 158
Candidate Starts for ShawBrad_51:
(93, 32232), (116, 32268), (Start: 158 @32319 has 315 MA's), (Start: 189 @32370 has 14 MA's), (235, 32448), (249, 32475), (278, 32520), (294, 32562), (352, 32670), (359, 32679), (406, 32754), (413, 32772), (457, 32871), (471, 32904), (473, 32907), (477, 32919), (535, 33021), (582, 33114), (631, 33186), (670, 33246), (685, 33309), (688, 33321), (712, 33381),

Gene: SheldonCooper_34 Start: 26519, Stop: 25467, Start Num: 194
Candidate Starts for SheldonCooper_34:
(Start: 113 @26633 has 3 MA's), (135, 26606), (Start: 150 @26588 has 120 MA's), (Start: 194 @26519 has 8 MA's), (Start: 222 @26465 has 6 MA's), (329, 26246), (334, 26237), (356, 26201), (395, 26159), (401, 26147), (403, 26144), (497, 25931), (510, 25913), (548, 25826), (549, 25820), (559, 25799), (570, 25784), (579, 25766), (665, 25628), (678, 25580), (685, 25550), (687, 25544), (689, 25532), (707, 25493),

Gene: ShiaSurprise_42 Start: 32792, Stop: 33880, Start Num: 158
Candidate Starts for ShiaSurprise_42:
(Start: 158 @32792 has 315 MA's), (Start: 222 @32894 has 6 MA's), (234, 32918), (Start: 252 @32954 has 15 MA's), (322, 33092), (406, 33230), (439, 33299), (440, 33302), (510, 33452), (553, 33557), (661, 33692),

Gene: Shlim410_35 Start: 30765, Stop: 31682, Start Num: 256
Candidate Starts for Shlim410_35:
(Start: 252 @30759 has 15 MA's), (Start: 256 @30765 has 84 MA's), (340, 30945), (346, 30954), (347, 30960), (443, 31131), (450, 31146), (482, 31203), (486, 31209), (491, 31215), (498, 31230), (548, 31329), (549, 31335), (553, 31347), (609, 31422), (621, 31446), (623, 31449), (650, 31485), (660, 31491), (663, 31503), (688, 31605),

Gene: Shlim410_38 Start: 32549, Stop: 33676, Start Num: 158
Candidate Starts for Shlim410_38:
(124, 32510), (Start: 158 @32549 has 315 MA's), (Start: 189 @32603 has 14 MA's), (249, 32726), (268, 32759), (309, 32849), (326, 32882), (439, 33077), (440, 33080), (457, 33122), (473, 33158), (633, 33455), (670, 33533), (676, 33560), (681, 33575), (687, 33602), (710, 33665),

Gene: Shoya_35 Start: 24881, Stop: 23751, Start Num: 158
Candidate Starts for Shoya_35:
(Start: 158 @24881 has 315 MA's), (Start: 189 @24830 has 14 MA's), (191, 24827), (308, 24602), (329, 24557), (341, 24536), (343, 24533), (359, 24512), (360, 24509), (412, 24395), (451, 24311), (548, 24098), (557, 24074), (569, 24056), (583, 24029), (606, 24002), (619, 23975), (626, 23960), (633, 23951), (674, 23861), (688, 23807), (701, 23777),

Gene: ShroomBoi_42 Start: 32032, Stop: 33150, Start Num: 158
Candidate Starts for ShroomBoi_42:
(Start: 158 @32032 has 315 MA's), (Start: 163 @32041 has 3 MA's), (235, 32170), (Start: 252 @32203 has 15 MA's), (278, 32251), (329, 32368), (352, 32404), (359, 32413), (403, 32494), (412, 32518), (441, 32587), (457, 32626), (463, 32644), (465, 32647), (471, 32659), (473, 32662), (477, 32674), (483, 32689), (495, 32713), (499, 32719), (514, 32740), (533, 32776), (535, 32779), (548, 32815), (549, 32821), (555, 32836), (566, 32851), (619, 32920), (629, 32935), (664, 32977), (674, 33022), (677, 33031), (687, 33070), (690, 33088), (703, 33109), (707, 33124), (710, 33133), (712, 33136),

Gene: Shukran_42 Start: 28423, Stop: 27284, Start Num: 158
Candidate Starts for Shukran_42:
(57, 28612), (76, 28567), (99, 28507), (Start: 158 @28423 has 315 MA's), (Start: 189 @28375 has 14 MA's), (259, 28249), (282, 28210), (352, 28066), (360, 28054), (365, 28048), (406, 27955), (412, 27940), (439, 27880), (450, 27856), (453, 27850), (477, 27787), (550, 27619), (569, 27589), (626, 27493), (677, 27385), (681, 27373), (701, 27310),

Gene: Shukran_39 Start: 25561, Stop: 26481, Start Num: 256
Candidate Starts for Shukran_39:
(Start: 256 @25561 has 84 MA's), (303, 25675), (334, 25735), (340, 25747), (417, 25894), (421, 25903), (447, 25942), (476, 25987), (486, 26011), (491, 26017), (494, 26026), (511, 26050), (531, 26092), (535, 26095), (537, 26101), (550, 26143), (564, 26161), (609, 26227), (623, 26254), (673, 26347), (677, 26362),

Gene: SilverChicken_53 Start: 32857, Stop: 33975, Start Num: 158
Candidate Starts for SilverChicken_53:
(Start: 158 @32857 has 315 MA's), (Start: 163 @32866 has 3 MA's), (Start: 252 @33028 has 15 MA's), (278, 33076), (329, 33193), (352, 33229), (359, 33238), (412, 33343), (441, 33412), (457, 33451), (463, 33469), (465, 33472), (471, 33484), (473, 33487), (477, 33499), (495, 33538), (499, 33544), (514, 33565), (533, 33601), (535, 33604), (548, 33640), (549, 33646), (553, 33658), (555, 33661), (566, 33676), (619, 33745), (629, 33760), (664, 33802), (674, 33847), (677, 33856), (687, 33895), (690, 33913), (703, 33934), (707, 33949), (710, 33958), (712, 33961),

Gene: SimranZ1_43 Start: 31600, Stop: 32718, Start Num: 158
Candidate Starts for SimranZ1_43:
(Start: 158 @31600 has 315 MA's), (235, 31738), (Start: 252 @31771 has 15 MA's), (278, 31819), (352, 31972), (359, 31981), (403, 32062), (441, 32155), (465, 32215), (471, 32227), (473, 32230), (483, 32257), (495, 32281), (514, 32308), (533, 32344), (535, 32347), (548, 32383), (566, 32419), (619, 32488), (629, 32503), (650, 32521), (674, 32590), (677, 32599), (687, 32638), (690, 32656), (703, 32677), (707, 32692), (710, 32701), (712, 32704),

Gene: Sixama_89 Start: 47436, Stop: 48350, Start Num: 271
Candidate Starts for Sixama_89:
(Start: 271 @47436 has 1 MA's), (289, 47481), (314, 47538), (328, 47568), (338, 47586), (391, 47667), (399, 47685), (450, 47796), (476, 47853), (484, 47874), (486, 47877), (565, 48027), (588, 48063), (594, 48072),

Gene: Sknot_34 Start: 26566, Stop: 25382, Start Num: 101
Candidate Starts for Sknot_34:
(Start: 101 @26566 has 2 MA's), (Start: 150 @26503 has 120 MA's), (Start: 189 @26449 has 14 MA's), (Start: 222 @26380 has 6 MA's), (242, 26335), (305, 26209), (334, 26152), (356, 26116), (401, 26062), (403, 26059), (457, 25936), (463, 25918), (510, 25828), (517, 25816), (548, 25741), (549, 25735), (559, 25714), (570, 25699), (579, 25681), (600, 25654), (678, 25495), (685, 25465), (687, 25459), (689, 25447), (707, 25408),

Gene: Sleepyhead_38 Start: 29423, Stop: 28182, Start Num: 161
Candidate Starts for Sleepyhead_38:
(130, 29465), (Start: 161 @29423 has 5 MA's), (239, 29285), (272, 29213), (354, 29036), (387, 28997), (394, 28979), (465, 28808), (477, 28781), (496, 28742), (514, 28715), (540, 28667), (549, 28634), (564, 28610), (590, 28568), (610, 28538), (621, 28520), (632, 28499), (660, 28469), (674, 28409), (677, 28400), (707, 28307), (740, 28229), (741, 28205),

Gene: Slimphazie_41 Start: 32477, Stop: 33565, Start Num: 158
Candidate Starts for Slimphazie_41:
(Start: 158 @32477 has 315 MA's), (Start: 189 @32528 has 14 MA's), (Start: 222 @32579 has 6 MA's), (234, 32603), (Start: 252 @32639 has 15 MA's), (322, 32777), (352, 32831), (406, 32915), (439, 32984), (440, 32987), (510, 33137), (545, 33215), (553, 33242), (619, 33329), (661, 33377),

Gene: Smeagan_36 Start: 26880, Stop: 25771, Start Num: 156
Candidate Starts for Smeagan_36:
(Start: 133 @26913 has 7 MA's), (Start: 146 @26895 has 6 MA's), (Start: 156 @26880 has 1 MA's), (Start: 194 @26814 has 8 MA's), (Start: 222 @26766 has 6 MA's), (242, 26721), (322, 26565), (329, 26547), (334, 26538), (356, 26502), (403, 26445), (439, 26367), (450, 26343), (454, 26334), (457, 26322), (463, 26304), (510, 26214), (517, 26202), (543, 26145), (548, 26127), (559, 26100), (570, 26085), (579, 26067), (600, 26040), (606, 26031), (665, 25929), (678, 25881), (679, 25878), (685, 25851), (687, 25845), (689, 25833), (707, 25794),

Gene: SnapTap_34 Start: 26396, Stop: 25329, Start Num: 189
Candidate Starts for SnapTap_34:
(Start: 101 @26513 has 2 MA's), (Start: 150 @26450 has 120 MA's), (Start: 189 @26396 has 14 MA's), (Start: 222 @26327 has 6 MA's), (242, 26282), (305, 26156), (329, 26108), (334, 26099), (356, 26063), (401, 26009), (403, 26006), (457, 25883), (463, 25865), (477, 25835), (505, 25781), (510, 25775), (517, 25763), (548, 25688), (549, 25682), (559, 25661), (570, 25646), (579, 25628), (600, 25601), (665, 25490), (678, 25442), (685, 25412), (687, 25406), (689, 25394), (707, 25355),

Gene: Snickers_36 Start: 26763, Stop: 25618, Start Num: 150
Candidate Starts for Snickers_36:
(Start: 150 @26763 has 120 MA's), (Start: 179 @26724 has 10 MA's), (203, 26676), (Start: 222 @26640 has 6 MA's), (242, 26595), (322, 26439), (334, 26412), (356, 26376), (403, 26319), (439, 26241), (450, 26217), (463, 26178), (497, 26106), (505, 26094), (510, 26088), (517, 26076), (548, 26001), (549, 25995), (559, 25974), (570, 25959), (579, 25941), (598, 25917), (665, 25803), (677, 25758), (678, 25755), (681, 25746), (685, 25725), (687, 25719), (689, 25707), (707, 25668),

Gene: SoYo_36 Start: 26701, Stop: 25556, Start Num: 150
Candidate Starts for SoYo_36:
(Start: 150 @26701 has 120 MA's), (Start: 179 @26662 has 10 MA's), (203, 26614), (Start: 222 @26578 has 6 MA's), (242, 26533), (322, 26377), (334, 26350), (356, 26314), (403, 26257), (439, 26179), (450, 26155), (463, 26116), (497, 26044), (505, 26032), (510, 26026), (517, 26014), (548, 25939), (549, 25933), (559, 25912), (570, 25897), (579, 25879), (598, 25855), (665, 25741), (677, 25696), (678, 25693), (681, 25684), (685, 25663), (687, 25657), (689, 25645), (707, 25606),

Gene: SoilAssassin_34 Start: 27695, Stop: 28777, Start Num: 155
Candidate Starts for SoilAssassin_34:
(Start: 83 @27584 has 6 MA's), (Start: 155 @27695 has 58 MA's), (Start: 189 @27749 has 14 MA's), (258, 27869), (401, 28124), (412, 28154), (440, 28214), (467, 28280), (477, 28304), (670, 28634), (676, 28661), (710, 28766),

Gene: SoilDragon_35 Start: 26236, Stop: 25091, Start Num: 150
Candidate Starts for SoilDragon_35:
(Start: 150 @26236 has 120 MA's), (Start: 179 @26197 has 10 MA's), (203, 26149), (Start: 222 @26113 has 6 MA's), (242, 26068), (322, 25912), (334, 25885), (356, 25849), (403, 25792), (439, 25714), (450, 25690), (463, 25651), (497, 25579), (505, 25567), (510, 25561), (517, 25549), (548, 25474), (549, 25468), (559, 25447), (570, 25432), (579, 25414), (665, 25276), (677, 25231), (678, 25228), (681, 25219), (685, 25198), (687, 25192), (689, 25180), (707, 25141),

Gene: SonDevVon_36 Start: 24920, Stop: 25837, Start Num: 256
Candidate Starts for SonDevVon_36:
(Start: 256 @24920 has 84 MA's), (325, 25076), (333, 25091), (340, 25103), (417, 25250), (447, 25298), (476, 25343), (486, 25367), (491, 25373), (498, 25388), (511, 25406), (531, 25448), (537, 25457), (609, 25583), (623, 25610), (677, 25718), (707, 25808),

Gene: SonDevVon_40 Start: 28176, Stop: 27004, Start Num: 158
Candidate Starts for SonDevVon_40:
(Start: 158 @28176 has 315 MA's), (226, 28059), (290, 27939), (359, 27807), (403, 27729), (408, 27711), (439, 27642), (443, 27633), (467, 27573), (511, 27483), (555, 27378), (571, 27357), (583, 27333), (585, 27330), (664, 27207), (670, 27183), (673, 27168), (712, 27048), (725, 27021),

Gene: Sonali_29 Start: 28564, Stop: 29715, Start Num: 158
Candidate Starts for Sonali_29:
(127, 28522), (Start: 158 @28564 has 315 MA's), (Start: 163 @28573 has 3 MA's), (258, 28741), (363, 28918), (403, 28990), (483, 29185), (633, 29473), (673, 29569), (676, 29581), (677, 29584),

Gene: Soul22_46 Start: 32314, Stop: 33432, Start Num: 158
Candidate Starts for Soul22_46:
(Start: 158 @32314 has 315 MA's), (Start: 252 @32485 has 15 MA's), (352, 32686), (359, 32695), (403, 32776), (441, 32869), (465, 32929), (471, 32941), (473, 32944), (483, 32971), (495, 32995), (514, 33022), (533, 33058), (535, 33061), (548, 33097), (566, 33133), (619, 33202), (629, 33217), (650, 33235), (674, 33304), (677, 33313), (687, 33352), (690, 33370), (703, 33391), (707, 33406), (710, 33415), (712, 33418),

Gene: Sparky_45 Start: 33811, Stop: 34989, Start Num: 161
Candidate Starts for Sparky_45:
(Start: 161 @33811 has 5 MA's), (Start: 189 @33859 has 14 MA's), (229, 33925), (Start: 252 @33970 has 15 MA's), (326, 34120), (352, 34162), (406, 34276), (415, 34303), (439, 34351), (440, 34354), (473, 34435), (477, 34447), (532, 34552), (548, 34594), (551, 34609), (561, 34624), (583, 34648), (661, 34759), (676, 34819), (703, 34900), (706, 34912), (722, 34951),

Gene: Spartacus_41 Start: 31407, Stop: 32525, Start Num: 158
Candidate Starts for Spartacus_41:
(Start: 158 @31407 has 315 MA's), (Start: 163 @31416 has 3 MA's), (Start: 252 @31578 has 15 MA's), (359, 31788), (403, 31869), (441, 31962), (457, 32001), (465, 32022), (471, 32034), (473, 32037), (488, 32073), (495, 32088), (499, 32094), (514, 32115), (533, 32151), (535, 32154), (548, 32190), (549, 32196), (566, 32226), (587, 32247), (619, 32295), (629, 32310), (664, 32352), (674, 32397), (677, 32406), (687, 32445), (690, 32463), (703, 32484), (707, 32499), (710, 32508), (712, 32511),

Gene: Spartan_32 Start: 30530, Stop: 29343, Start Num: 142
Candidate Starts for Spartan_32:
(142, 30530), (231, 30392), (Start: 271 @30302 has 1 MA's), (297, 30236), (299, 30227), (374, 30101), (394, 30068), (396, 30062), (405, 30041), (422, 29996), (465, 29912), (525, 29807), (567, 29720), (670, 29540), (681, 29498), (704, 29429), (707, 29417), (715, 29402),

Gene: Spartoi_37 Start: 25898, Stop: 24921, Start Num: 228
Candidate Starts for Spartoi_37:
(Start: 158 @26012 has 315 MA's), (182, 25973), (Start: 189 @25961 has 14 MA's), (Start: 228 @25898 has 1 MA's), (235, 25883), (319, 25718), (343, 25670), (345, 25667), (380, 25643), (406, 25583), (453, 25481), (467, 25442), (549, 25262), (561, 25238), (569, 25226), (606, 25166), (619, 25139), (627, 25124), (632, 25115), (661, 25085), (664, 25076), (674, 25031), (676, 25025), (690,

24965), (701, 24947),

Gene: Sparxx_33 Start: 26249, Stop: 25128, Start Num: 150
Candidate Starts for Sparxx_33:
(Start: 113 @26294 has 3 MA's), (135, 26267), (Start: 150 @26249 has 120 MA's), (Start: 194 @26180 has 8 MA's), (Start: 222 @26126 has 6 MA's), (329, 25907), (334, 25898), (356, 25862), (395, 25820), (401, 25808), (403, 25805), (439, 25727), (497, 25592), (510, 25574), (548, 25487), (549, 25481), (559, 25460), (570, 25445), (579, 25427), (665, 25289), (678, 25241), (685, 25211), (687, 25205), (689, 25193), (707, 25154),

Gene: SpicyFrank_39 Start: 27481, Stop: 26348, Start Num: 158
Candidate Starts for SpicyFrank_39:
(96, 27571), (106, 27550), (Start: 158 @27481 has 315 MA's), (Start: 189 @27430 has 14 MA's), (282, 27262), (290, 27244), (345, 27130), (359, 27112), (403, 27034), (439, 26947), (443, 26938), (467, 26878), (488, 26830), (511, 26788), (555, 26683), (583, 26638), (585, 26635), (664, 26518), (670, 26494), (673, 26479), (692, 26404), (706, 26374),

Gene: SpicyFrank_36 Start: 24807, Stop: 25724, Start Num: 256
Candidate Starts for SpicyFrank_36:
(196, 24678), (200, 24684), (Start: 256 @24807 has 84 MA's), (325, 24963), (333, 24978), (340, 24990), (417, 25137), (447, 25185), (476, 25230), (486, 25254), (491, 25260), (511, 25293), (531, 25335), (537, 25344), (539, 25347), (553, 25392), (609, 25470), (667, 25566), (673, 25590), (677, 25605), (707, 25695),

Gene: Splinter_37 Start: 27965, Stop: 26850, Start Num: 197
Candidate Starts for Splinter_37:
(162, 28034), (Start: 197 @27965 has 12 MA's), (372, 27626), (388, 27593), (525, 27299), (536, 27287), (548, 27254), (617, 27107), (681, 26936), (687, 26909),

Gene: Spock_41 Start: 32596, Stop: 33684, Start Num: 158
Candidate Starts for Spock_41:
(24, 32212), (36, 32299), (50, 32374), (Start: 158 @32596 has 315 MA's), (Start: 189 @32647 has 14 MA's), (Start: 222 @32698 has 6 MA's), (234, 32722), (Start: 252 @32758 has 15 MA's), (322, 32896), (406, 33034), (439, 33103), (440, 33106), (510, 33256), (553, 33361), (661, 33496),

Gene: Spooks_11 Start: 8825, Stop: 7629, Start Num: 153
Candidate Starts for Spooks_11:
(Start: 153 @8825 has 2 MA's), (173, 8792), (Start: 192 @8759 has 2 MA's), (244, 8645), (Start: 247 @8639 has 1 MA's), (Start: 271 @8588 has 1 MA's), (299, 8516), (359, 8405), (432, 8264), (445, 8246), (491, 8153), (531, 8075), (549, 8030), (553, 8018), (629, 7886), (669, 7820), (673, 7802), (677, 7787), (681, 7775), (693, 7727), (728, 7652), (730, 7649),

Gene: Spooky_35 Start: 27760, Stop: 28698, Start Num: 252
Candidate Starts for Spooky_35:
(246, 27748), (Start: 252 @27760 has 15 MA's), (294, 27853), (327, 27925), (352, 27976), (402, 28054), (415, 28093), (434, 28132), (480, 28204), (486, 28216), (494, 28231), (498, 28237), (514, 28261), (531, 28297), (558, 28357), (573, 28375), (590, 28408), (609, 28435), (621, 28459), (623, 28462), (643, 28495), (650, 28501), (680, 28585), (688, 28621), (715, 28690),

Gene: Sporco_41 Start: 27778, Stop: 26621, Start Num: 143
Candidate Starts for Sporco_41:
(143, 27778), (Start: 158 @27760 has 315 MA's), (Start: 189 @27709 has 14 MA's), (282, 27541), (290, 27523), (359, 27391), (403, 27313), (406, 27301), (408, 27295), (439, 27226), (443, 27217),

(467, 27157), (511, 27067), (555, 26962), (571, 26941), (585, 26914), (664, 26791), (670, 26767), (673, 26752), (692, 26677), (706, 26647),

Gene: Sporco_37 Start: 24563, Stop: 25480, Start Num: 256
Candidate Starts for Sporco_37:
(196, 24434), (200, 24440), (Start: 256 @24563 has 84 MA's), (325, 24719), (333, 24734), (340, 24746), (417, 24893), (421, 24902), (447, 24941), (476, 24986), (486, 25010), (491, 25016), (511, 25049), (531, 25091), (537, 25100), (550, 25142), (609, 25226), (673, 25346), (677, 25361),

Gene: Sprinklemunch_42 Start: 31103, Stop: 32026, Start Num: 252
Candidate Starts for Sprinklemunch_42:
(Start: 252 @31103 has 15 MA's), (Start: 256 @31109 has 84 MA's), (308, 31226), (309, 31229), (346, 31298), (347, 31304), (413, 31427), (415, 31430), (450, 31490), (481, 31544), (486, 31553), (498, 31574), (548, 31673), (549, 31679), (594, 31745), (609, 31766), (623, 31793), (660, 31835), (668, 31868), (715, 32018),

Gene: Sproutie_37 Start: 27875, Stop: 28957, Start Num: 155
Candidate Starts for Sproutie_37:
(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: Squiddly_37 Start: 28992, Stop: 29930, Start Num: 252
Candidate Starts for Squiddly_37:
(246, 28980), (Start: 252 @28992 has 15 MA's), (327, 29157), (352, 29208), (415, 29325), (480, 29436), (486, 29448), (494, 29463), (498, 29469), (504, 29478), (514, 29493), (531, 29529), (548, 29568), (558, 29589), (573, 29607), (590, 29640), (609, 29667), (621, 29691), (623, 29694), (624, 29697), (640, 29721), (650, 29733), (677, 29808), (679, 29814), (680, 29817), (707, 29901), (715, 29922),

Gene: Squint_87 Start: 50854, Stop: 52128, Start Num: 114
Candidate Starts for Squint_87:
(82, 50797), (Start: 102 @50839 has 2 MA's), (Start: 114 @50854 has 10 MA's), (117, 50857), (Start: 148 @50902 has 1 MA's), (Start: 170 @50941 has 1 MA's), (356, 51322), (395, 51406), (401, 51418), (403, 51421), (458, 51550), (529, 51670), (553, 51733), (566, 51751), (576, 51775), (617, 51847), (684, 52024), (685, 52027), (687, 52033), (690, 52051), (699, 52066), (704, 52075), (705, 52078), (726, 52123),

Gene: Squirty_35 Start: 28972, Stop: 30078, Start Num: 158
Candidate Starts for Squirty_35:
(Start: 140 @28951 has 6 MA's), (Start: 158 @28972 has 315 MA's), (246, 29131), (261, 29167), (343, 29332), (406, 29428), (410, 29440), (427, 29473), (439, 29497), (467, 29566), (471, 29575), (473, 29578), (495, 29629), (510, 29650), (545, 29728), (549, 29743), (597, 29803), (619, 29842), (629, 29857), (648, 29881), (664, 29908), (670, 29932), (674, 29953), (677, 29962), (690, 30019),

Gene: StAB_26 Start: 25588, Stop: 24371, Start Num: 161
Candidate Starts for StAB_26:
(Start: 118 @25651 has 1 MA's), (Start: 161 @25588 has 5 MA's), (241, 25408), (257, 25375), (316, 25243), (369, 25153), (382, 25135), (390, 25120), (394, 25108), (405, 25081), (415, 25054), (428, 25021), (432, 25012), (464, 24949), (474, 24931), (478, 24916), (493, 24895), (528, 24829), (556, 24751), (574, 24730), (578, 24718), (582, 24715), (599, 24685), (642, 24616), (646, 24610), (660, 24598), (664, 24583), (670, 24559), (671, 24556), (673, 24544), (677, 24529), (681, 24517), (685, 24496), (688, 24484), (703, 24451), (713, 24424), (726, 24406), (736, 24385), (738, 24376),

Gene: StAnnes_42 Start: 33543, Stop: 34661, Start Num: 158
Candidate Starts for StAnnes_42:
(Start: 158 @33543 has 315 MA's), (Start: 163 @33552 has 3 MA's), (Start: 252 @33714 has 15 MA's), (329, 33879), (352, 33915), (359, 33924), (412, 34029), (441, 34098), (457, 34137), (465, 34158), (471, 34170), (473, 34173), (477, 34185), (495, 34224), (499, 34230), (514, 34251), (533, 34287), (535, 34290), (548, 34326), (549, 34332), (555, 34347), (619, 34431), (629, 34446), (664, 34488), (674, 34533), (677, 34542), (687, 34581), (690, 34599), (703, 34620), (707, 34635), (710, 34644), (712, 34647),

Gene: Stagni_36 Start: 26792, Stop: 25647, Start Num: 150
Candidate Starts for Stagni_36:
(Start: 150 @26792 has 120 MA's), (Start: 179 @26753 has 10 MA's), (203, 26705), (Start: 222 @26669 has 6 MA's), (242, 26624), (322, 26468), (334, 26441), (356, 26405), (403, 26348), (439, 26270), (450, 26246), (463, 26207), (497, 26135), (505, 26123), (510, 26117), (517, 26105), (548, 26030), (549, 26024), (559, 26003), (570, 25988), (579, 25970), (598, 25946), (665, 25832), (677, 25787), (678, 25784), (681, 25775), (685, 25754), (687, 25748), (689, 25736), (707, 25697),

Gene: StarStuff_37 Start: 26423, Stop: 25353, Start Num: 189
Candidate Starts for StarStuff_37:
(Start: 150 @26477 has 120 MA's), (Start: 189 @26423 has 14 MA's), (Start: 222 @26354 has 6 MA's), (322, 26153), (334, 26126), (356, 26090), (403, 26033), (412, 26006), (439, 25955), (454, 25922), (457, 25910), (463, 25892), (497, 25820), (510, 25802), (517, 25790), (535, 25751), (548, 25715), (549, 25709), (559, 25688), (570, 25673), (579, 25655), (600, 25628), (665, 25517), (678, 25469), (679, 25466), (685, 25439), (687, 25433), (689, 25421), (707, 25382),

Gene: Stellammi_65 Start: 36349, Stop: 37437, Start Num: 158
Candidate Starts for Stellammi_65:
(Start: 158 @36349 has 315 MA's), (Start: 189 @36400 has 14 MA's), (235, 36478), (249, 36505), (264, 36541), (278, 36556), (282, 36568), (294, 36598), (323, 36658), (334, 36682), (343, 36697), (352, 36709), (359, 36718), (403, 36781), (406, 36793), (415, 36814), (439, 36862), (454, 36895), (467, 36931), (473, 36943), (495, 36994), (516, 37024), (553, 37117), (561, 37129), (583, 37150), (587, 37156), (606, 37177), (608, 37183), (619, 37204), (629, 37219), (639, 37231), (648, 37243), (670, 37294), (676, 37321), (688, 37369), (714, 37429),

Gene: StepMih_36 Start: 26783, Stop: 25638, Start Num: 150
Candidate Starts for StepMih_36:
(Start: 150 @26783 has 120 MA's), (Start: 179 @26744 has 10 MA's), (203, 26696), (Start: 222 @26660 has 6 MA's), (242, 26615), (322, 26459), (334, 26432), (356, 26396), (403, 26339), (439, 26261), (450, 26237), (463, 26198), (497, 26126), (505, 26114), (510, 26108), (517, 26096), (548, 26021), (549, 26015), (559, 25994), (570, 25979), (579, 25961), (598, 25937), (665, 25823), (677, 25778), (678, 25775), (681, 25766), (685, 25745), (687, 25739), (689, 25727), (707, 25688),

Gene: Stiles_27 Start: 25121, Stop: 23991, Start Num: 163
Candidate Starts for Stiles_27:
(Start: 163 @25121 has 3 MA's), (174, 25106), (Start: 192 @25082 has 2 MA's), (Start: 247 @24968 has 1 MA's), (265, 24929), (286, 24887), (297, 24854), (299, 24845), (316, 24818), (324, 24800), (374, 24716), (387, 24701), (405, 24656), (434, 24596), (461, 24554), (465, 24542), (469, 24536), (477, 24515), (499, 24470), (507, 24461), (509, 24458), (511, 24455), (519, 24434), (553, 24350), (560, 24344), (575, 24326), (591, 24296), (635, 24239), (665, 24197), (670, 24182), (673, 24167), (674, 24161), (677, 24152), (680, 24143), (687, 24113), (704, 24071), (711, 24050), (713, 24047), (715, 24038), (733, 24011), (738, 23996),

Gene: Stinson_42 Start: 32990, Stop: 34078, Start Num: 158
Candidate Starts for Stinson_42:
(Start: 158 @32990 has 315 MA's), (Start: 222 @33092 has 6 MA's), (234, 33116), (Start: 252 @33152 has 15 MA's), (282, 33203), (308, 33266), (322, 33290), (352, 33344), (355, 33347), (406, 33428), (439, 33497), (440, 33500), (510, 33650), (545, 33728), (553, 33755), (661, 33890),

Gene: Strobilo_43 Start: 34292, Stop: 35392, Start Num: 158
Candidate Starts for Strobilo_43:
(Start: 158 @34292 has 315 MA's), (167, 34310), (Start: 189 @34343 has 14 MA's), (234, 34418), (Start: 252 @34454 has 15 MA's), (308, 34568), (322, 34592), (352, 34646), (429, 34787), (439, 34811), (440, 34814), (457, 34856), (510, 34964), (553, 35069), (594, 35114), (606, 35129), (688, 35321),

Gene: Strokeseat_41 Start: 31786, Stop: 32904, Start Num: 158
Candidate Starts for Strokeseat_41:
(Start: 158 @31786 has 315 MA's), (Start: 252 @31957 has 15 MA's), (329, 32122), (352, 32158), (359, 32167), (412, 32272), (441, 32341), (457, 32380), (465, 32401), (471, 32413), (473, 32416), (477, 32428), (495, 32467), (499, 32473), (514, 32494), (533, 32530), (535, 32533), (548, 32569), (549, 32575), (553, 32587), (555, 32590), (566, 32605), (619, 32674), (629, 32689), (650, 32707), (674, 32776), (677, 32785), (687, 32824), (690, 32842), (703, 32863), (707, 32878), (710, 32887), (712, 32890),

Gene: Stuck_46 Start: 36731, Stop: 35529, Start Num: 175
Candidate Starts for Stuck_46:
(Start: 175 @36731 has 7 MA's), (212, 36656), (224, 36626), (238, 36602), (321, 36410), (322, 36407), (359, 36344), (413, 36209), (422, 36188), (450, 36134), (452, 36128), (510, 36005), (604, 35822), (605, 35819), (607, 35816), (617, 35795), (640, 35759), (660, 35732), (662, 35726), (670, 35693), (673, 35678), (689, 35612), (698, 35591),

Gene: Success_11 Start: 8095, Stop: 6848, Start Num: 153
Candidate Starts for Success_11:
(Start: 153 @8095 has 2 MA's), (214, 7975), (409, 7570), (424, 7537), (428, 7528), (462, 7474), (487, 7420), (496, 7402), (511, 7381), (531, 7336), (549, 7285), (618, 7162), (699, 6976), (707, 6955), (732, 6907),

Gene: Sulley_41 Start: 32725, Stop: 33810, Start Num: 158
Candidate Starts for Sulley_41:
(Start: 158 @32725 has 315 MA's), (Start: 222 @32827 has 6 MA's), (226, 32836), (234, 32851), (Start: 252 @32887 has 15 MA's), (322, 33025), (352, 33079), (406, 33163), (439, 33232), (440, 33235), (510, 33385), (553, 33490), (619, 33577), (661, 33625), (704, 33769),

Gene: Sunshine23_31 Start: 28591, Stop: 29733, Start Num: 163
Candidate Starts for Sunshine23_31:
(127, 28540), (Start: 158 @28582 has 315 MA's), (Start: 163 @28591 has 3 MA's), (258, 28759), (363, 28936), (403, 29008), (483, 29203), (633, 29491), (673, 29587), (676, 29599), (677, 29602),

Gene: SuperGrey_42 Start: 32615, Stop: 33742, Start Num: 158
Candidate Starts for SuperGrey_42:
(85, 32513), (123, 32570), (Start: 158 @32615 has 315 MA's), (Start: 163 @32624 has 3 MA's), (Start: 252 @32786 has 15 MA's), (276, 32837), (282, 32855), (299, 32900), (352, 32996), (359, 33005), (403, 33086), (412, 33110), (441, 33179), (457, 33218), (465, 33239), (471, 33251), (473, 33254), (483, 33281), (495, 33305), (499, 33311), (514, 33332), (533, 33368), (535, 33371), (548, 33407), (549, 33413), (553, 33425), (555, 33428), (566, 33443), (619, 33512), (629, 33527), (664, 33569), (674,

33614), (677, 33623), (687, 33662), (690, 33680), (703, 33701), (707, 33716), (710, 33725), (712, 33728),

Gene: Superchunk_33 Start: 24997, Stop: 23882, Start Num: 155
Candidate Starts for Superchunk_33:
(Start: 155 @24997 has 58 MA's), (Start: 189 @24949 has 14 MA's), (203, 24916), (Start: 222 @24880 has 6 MA's), (242, 24835), (326, 24667), (334, 24652), (356, 24616), (395, 24574), (401, 24562), (403, 24559), (443, 24472), (450, 24457), (510, 24328), (517, 24316), (526, 24295), (535, 24277), (548, 24241), (559, 24214), (570, 24199), (579, 24181), (600, 24154), (665, 24043), (678, 23995), (685, 23965), (687, 23959), (689, 23947), (707, 23908),

Gene: Superphikiman_84 Start: 49930, Stop: 51219, Start Num: 102
Candidate Starts for Superphikiman_84:
(82, 49888), (Start: 102 @49930 has 2 MA's), (Start: 114 @49945 has 10 MA's), (117, 49948), (Start: 148 @49993 has 1 MA's), (Start: 170 @50032 has 1 MA's), (356, 50413), (395, 50497), (401, 50509), (403, 50512), (458, 50641), (529, 50761), (553, 50824), (566, 50842), (576, 50866), (617, 50938), (684, 51115), (685, 51118), (687, 51124), (690, 51142), (699, 51157), (704, 51166), (705, 51169), (726, 51214),

Gene: Suscepit_39 Start: 30564, Stop: 31646, Start Num: 155
Candidate Starts for Suscepit_39:
(Start: 83 @30453 has 6 MA's), (Start: 155 @30564 has 58 MA's), (Start: 189 @30618 has 14 MA's), (258, 30738), (401, 30993), (412, 31023), (440, 31083), (467, 31149), (477, 31173), (670, 31503), (676, 31530), (710, 31635),

Gene: SwagPigglett_45 Start: 33012, Stop: 34130, Start Num: 158
Candidate Starts for SwagPigglett_45:
(Start: 158 @33012 has 315 MA's), (235, 33150), (Start: 252 @33183 has 15 MA's), (278, 33231), (329, 33348), (352, 33384), (359, 33393), (412, 33498), (441, 33567), (465, 33627), (471, 33639), (473, 33642), (477, 33654), (483, 33669), (495, 33693), (499, 33699), (514, 33720), (533, 33756), (535, 33759), (548, 33795), (549, 33801), (553, 33813), (555, 33816), (619, 33900), (629, 33915), (664, 33957), (674, 34002), (677, 34011), (687, 34050), (690, 34068), (703, 34089), (707, 34104), (710, 34113), (712, 34116),

Gene: SweetiePie_34 Start: 26396, Stop: 25329, Start Num: 189
Candidate Starts for SweetiePie_34:
(Start: 101 @26513 has 2 MA's), (Start: 150 @26450 has 120 MA's), (Start: 189 @26396 has 14 MA's), (Start: 222 @26327 has 6 MA's), (242, 26282), (305, 26156), (329, 26108), (334, 26099), (356, 26063), (401, 26009), (403, 26006), (457, 25883), (463, 25865), (477, 25835), (505, 25781), (510, 25775), (517, 25763), (548, 25688), (549, 25682), (559, 25661), (570, 25646), (579, 25628), (600, 25601), (665, 25490), (678, 25442), (685, 25412), (687, 25406), (689, 25394), (707, 25355),

Gene: SwirlSquare_35 Start: 25021, Stop: 23906, Start Num: 155
Candidate Starts for SwirlSquare_35:
(Start: 155 @25021 has 58 MA's), (203, 24940), (Start: 222 @24904 has 6 MA's), (242, 24859), (289, 24772), (322, 24703), (326, 24691), (329, 24685), (356, 24640), (374, 24622), (395, 24598), (401, 24586), (403, 24583), (510, 24352), (517, 24340), (548, 24265), (559, 24238), (570, 24223), (579, 24205), (600, 24178), (678, 24019), (685, 23989), (687, 23983), (689, 23971), (707, 23932),

Gene: Syleon_7 Start: 2611, Stop: 1523, Start Num: 164
Candidate Starts for Syleon_7:
(95, 2716), (149, 2632), (Start: 164 @2611 has 4 MA's), (259, 2440), (297, 2350), (306, 2326), (320, 2305), (449, 2074), (465, 2041), (483, 1999), (493, 1984), (504, 1963), (511, 1954), (514, 1948), (549,

1864), (558, 1849), (615, 1762), (632, 1729), (676, 1636), (684, 1603), (687, 1594), (688, 1588),

Gene: TChen_44 Start: 33582, Stop: 34700, Start Num: 158
Candidate Starts for TChen_44:
(Start: 158 @33582 has 315 MA's), (Start: 163 @33591 has 3 MA's), (235, 33720), (Start: 252 @33753 has 15 MA's), (278, 33801), (352, 33954), (359, 33963), (403, 34044), (441, 34137), (465, 34197), (471, 34209), (473, 34212), (483, 34239), (495, 34263), (514, 34290), (533, 34326), (535, 34329), (548, 34365), (566, 34401), (619, 34470), (629, 34485), (650, 34503), (674, 34572), (677, 34581), (687, 34620), (690, 34638), (703, 34659), (707, 34674),

Gene: TClif_45 Start: 33489, Stop: 34589, Start Num: 158
Candidate Starts for TClif_45:
(Start: 158 @33489 has 315 MA's), (234, 33615), (Start: 252 @33651 has 15 MA's), (322, 33789), (352, 33843), (406, 33927), (429, 33984), (439, 34008), (440, 34011), (457, 34053), (510, 34161), (535, 34212), (551, 34263), (553, 34266), (594, 34311), (606, 34326), (661, 34401), (673, 34449), (704, 34545),

Gene: TNguyen7_33 Start: 26286, Stop: 25138, Start Num: 134
Candidate Starts for TNguyen7_33:
(Start: 134 @26286 has 2 MA's), (Start: 140 @26277 has 6 MA's), (Start: 222 @26142 has 6 MA's), (242, 26097), (322, 25941), (331, 25920), (334, 25914), (356, 25878), (403, 25821), (439, 25743), (497, 25608), (510, 25590), (517, 25578), (535, 25539), (548, 25503), (549, 25497), (559, 25476), (570, 25461), (579, 25443), (600, 25416), (665, 25305), (678, 25257), (685, 25227), (687, 25221), (689, 25209), (707, 25170),

Gene: TZGordon_39 Start: 27285, Stop: 26170, Start Num: 197
Candidate Starts for TZGordon_39:
(Start: 197 @27285 has 12 MA's), (372, 26946), (388, 26913), (525, 26619), (536, 26607), (617, 26427), (681, 26256), (687, 26229),

Gene: Tachez_41 Start: 32439, Stop: 33527, Start Num: 158
Candidate Starts for Tachez_41:
(Start: 158 @32439 has 315 MA's), (Start: 189 @32490 has 14 MA's), (Start: 222 @32541 has 6 MA's), (234, 32565), (Start: 252 @32601 has 15 MA's), (322, 32739), (352, 32793), (406, 32877), (439, 32946), (440, 32949), (510, 33099), (545, 33177), (553, 33204), (619, 33291), (661, 33339),

Gene: TaiwanKao_43 Start: 32721, Stop: 33809, Start Num: 158
Candidate Starts for TaiwanKao_43:
(Start: 158 @32721 has 315 MA's), (Start: 222 @32823 has 6 MA's), (234, 32847), (Start: 252 @32883 has 15 MA's), (352, 33075), (406, 33159), (439, 33228), (440, 33231), (510, 33381), (545, 33459), (553, 33486), (661, 33621), (704, 33765),

Gene: Taj_45 Start: 32606, Stop: 33709, Start Num: 158
Candidate Starts for Taj_45:
(Start: 158 @32606 has 315 MA's), (Start: 189 @32654 has 14 MA's), (235, 32735), (246, 32762), (352, 32975), (371, 32999), (403, 33047), (439, 33128), (467, 33197), (471, 33206), (483, 33236), (495, 33260), (510, 33281), (545, 33359), (549, 33374), (597, 33434), (619, 33473), (629, 33488), (648, 33512), (664, 33539), (670, 33563), (674, 33584), (677, 33593), (688, 33638), (690, 33650),

Gene: TarsusIV_33 Start: 26409, Stop: 25285, Start Num: 150
Candidate Starts for TarsusIV_33:
(103, 26469), (Start: 118 @26451 has 1 MA's), (Start: 150 @26409 has 120 MA's), (Start: 222 @26286 has 6 MA's), (242, 26241), (322, 26085), (334, 26058), (356, 26022), (403, 25965), (439, 25887), (454,

25854), (457, 25842), (463, 25824), (510, 25734), (512, 25731), (517, 25722), (548, 25647), (559, 25620), (570, 25605), (579, 25587), (665, 25449), (678, 25401), (679, 25398), (685, 25371), (687, 25365), (689, 25353), (707, 25314),

Gene: Taurus_36 Start: 26750, Stop: 25644, Start Num: 179
Candidate Starts for Taurus_36:
(Start: 150 @26789 has 120 MA's), (Start: 179 @26750 has 10 MA's), (203, 26702), (Start: 222 @26666 has 6 MA's), (242, 26621), (322, 26465), (334, 26438), (356, 26402), (403, 26345), (439, 26267), (450, 26243), (463, 26204), (497, 26132), (505, 26120), (510, 26114), (517, 26102), (548, 26027), (549, 26021), (559, 26000), (570, 25985), (579, 25967), (598, 25943), (665, 25829), (677, 25784), (678, 25781), (681, 25772), (685, 25751), (687, 25745), (689, 25733), (707, 25694),

Gene: Tayonia_39 Start: 30563, Stop: 31645, Start Num: 155
Candidate Starts for Tayonia_39:
(Start: 83 @30452 has 6 MA's), (Start: 155 @30563 has 58 MA's), (Start: 189 @30617 has 14 MA's), (258, 30737), (401, 30992), (412, 31022), (440, 31082), (467, 31148), (477, 31172), (670, 31502), (676, 31529), (710, 31634),

Gene: Teejan_39 Start: 34238, Stop: 35683, Start Num: 26
Candidate Starts for Teejan_39:
(26, 34238), (Start: 29 @34253 has 1 MA's), (45, 34346), (50, 34367), (78, 34460), (Start: 158 @34589 has 315 MA's), (Start: 189 @34640 has 14 MA's), (234, 34715), (Start: 252 @34751 has 15 MA's), (299, 34847), (308, 34865), (322, 34889), (349, 34937), (352, 34943), (426, 35075), (439, 35108), (457, 35153), (510, 35261), (553, 35366), (606, 35426), (661, 35501), (688, 35609), (704, 35645),

Gene: Terrific_37 Start: 26823, Stop: 25690, Start Num: 150
Candidate Starts for Terrific_37:
(Start: 150 @26823 has 120 MA's), (Start: 189 @26769 has 14 MA's), (Start: 222 @26700 has 6 MA's), (242, 26655), (322, 26499), (334, 26472), (356, 26436), (403, 26379), (457, 26256), (463, 26238), (510, 26148), (517, 26136), (548, 26061), (549, 26055), (559, 26034), (570, 26019), (579, 26001), (600, 25974), (606, 25965), (665, 25863), (678, 25815), (685, 25785), (687, 25779), (689, 25767), (707, 25728),

Gene: ThankyouJordi_38 Start: 31428, Stop: 32621, Start Num: 83
Candidate Starts for ThankyouJordi_38:
(Start: 83 @31428 has 6 MA's), (Start: 155 @31539 has 58 MA's), (Start: 189 @31593 has 14 MA's), (258, 31713), (412, 31998), (440, 32058), (467, 32124), (477, 32148), (670, 32478), (676, 32505), (710, 32610),

Gene: ThayneTheZag_40 Start: 27570, Stop: 26437, Start Num: 158
Candidate Starts for ThayneTheZag_40:
(Start: 158 @27570 has 315 MA's), (Start: 189 @27519 has 14 MA's), (282, 27351), (290, 27333), (345, 27219), (359, 27201), (403, 27123), (439, 27036), (443, 27027), (467, 26967), (499, 26898), (511, 26877), (583, 26727), (585, 26724), (626, 26658), (664, 26607), (670, 26583), (673, 26568), (687, 26514), (692, 26493), (706, 26463),

Gene: ThayneTheZag_36 Start: 24729, Stop: 25649, Start Num: 256
Candidate Starts for ThayneTheZag_36:
(Start: 256 @24729 has 84 MA's), (334, 24903), (340, 24915), (411, 25050), (417, 25062), (421, 25071), (447, 25110), (476, 25155), (484, 25176), (486, 25179), (491, 25185), (511, 25218), (531, 25260), (537, 25269), (609, 25395), (667, 25491), (673, 25515), (677, 25530),

Gene: Thibault_69 Start: 48145, Stop: 49374, Start Num: 136

Candidate Starts for Thibault_69:
(Start: 136 @48145 has 29 MA's), (Start: 148 @48163 has 1 MA's), (Start: 170 @48202 has 1 MA's), (282, 48439), (329, 48547), (395, 48667), (396, 48670), (401, 48679), (406, 48694), (422, 48733), (458, 48811), (520, 48928), (529, 48931), (533, 48940), (551, 48991), (553, 48994), (566, 49012), (617, 49108), (652, 49165), (684, 49285), (685, 49288), (690, 49312), (704, 49336), (705, 49339),

Gene: Thimann_36 Start: 28027, Stop: 29154, Start Num: 158
Candidate Starts for Thimann_36:
(52, 27808), (58, 27844), (Start: 158 @28027 has 315 MA's), (Start: 189 @28081 has 14 MA's), (268, 28237), (309, 28327), (326, 28360), (439, 28555), (440, 28558), (457, 28600), (473, 28636), (633, 28933), (670, 29011), (681, 29053), (687, 29080), (710, 29143),

Gene: Thimann_34 Start: 26659, Stop: 27576, Start Num: 256
Candidate Starts for Thimann_34:
(Start: 252 @26653 has 15 MA's), (Start: 256 @26659 has 84 MA's), (346, 26848), (347, 26854), (406, 26956), (415, 26980), (450, 27040), (482, 27097), (486, 27103), (491, 27109), (548, 27223), (549, 27229), (553, 27241), (609, 27316), (621, 27340), (623, 27343), (650, 27379), (660, 27385), (663, 27397), (688, 27499),

Gene: ThreeRngTarjay_79 Start: 53224, Stop: 54453, Start Num: 136
Candidate Starts for ThreeRngTarjay_79:
(Start: 136 @53224 has 29 MA's), (Start: 148 @53242 has 1 MA's), (Start: 170 @53281 has 1 MA's), (282, 53518), (329, 53626), (395, 53746), (396, 53749), (401, 53758), (406, 53773), (422, 53812), (458, 53890), (514, 53995), (520, 54007), (529, 54010), (533, 54019), (551, 54070), (553, 54073), (566, 54091), (617, 54187), (652, 54244), (684, 54364), (685, 54367), (690, 54391), (704, 54415), (705, 54418),

Gene: ThulaThula_35 Start: 29873, Stop: 28671, Start Num: 175
Candidate Starts for ThulaThula_35:
(Start: 175 @29873 has 7 MA's), (212, 29798), (224, 29768), (238, 29744), (275, 29663), (322, 29549), (359, 29486), (413, 29351), (452, 29270), (477, 29207), (514, 29141), (604, 28964), (605, 28961), (607, 28958), (617, 28937), (640, 28901), (642, 28898), (662, 28868), (670, 28835), (673, 28820), (689, 28754), (698, 28733),

Gene: Tiff81_35 Start: 24880, Stop: 23702, Start Num: 158
Candidate Starts for Tiff81_35:
(Start: 158 @24880 has 315 MA's), (226, 24763), (248, 24715), (290, 24643), (334, 24547), (359, 24511), (395, 24448), (403, 24433), (439, 24346), (443, 24337), (467, 24277), (488, 24229), (555, 24082), (559, 24076), (585, 24034), (664, 23917), (669, 23896), (670, 23893), (673, 23878), (712, 23758),

Gene: Tiff81_32 Start: 21991, Stop: 22911, Start Num: 256
Candidate Starts for Tiff81_32:
(196, 21862), (Start: 256 @21991 has 84 MA's), (303, 22105), (334, 22165), (340, 22177), (417, 22324), (447, 22372), (476, 22417), (486, 22441), (491, 22447), (539, 22534), (564, 22591), (609, 22657), (623, 22684), (673, 22777), (677, 22792), (707, 22882),

Gene: Tiffany_36 Start: 26675, Stop: 25530, Start Num: 150
Candidate Starts for Tiffany_36:
(Start: 150 @26675 has 120 MA's), (Start: 179 @26636 has 10 MA's), (203, 26588), (Start: 222 @26552 has 6 MA's), (242, 26507), (322, 26351), (334, 26324), (356, 26288), (403, 26231), (439, 26153), (450, 26129), (463, 26090), (497, 26018), (505, 26006), (510, 26000), (517, 25988), (548, 25913), (549, 25907), (559, 25886), (570, 25871), (579, 25853), (598, 25829), (665, 25715), (677,

25670), (678, 25667), (681, 25658), (685, 25637), (687, 25631), (689, 25619), (707, 25580),

Gene: TimTam_39 Start: 32012, Stop: 33094, Start Num: 155
Candidate Starts for TimTam_39:
(Start: 83 @31901 has 6 MA's), (Start: 155 @32012 has 58 MA's), (Start: 189 @32066 has 14 MA's), (258, 32186), (396, 32432), (401, 32441), (412, 32471), (440, 32531), (467, 32597), (477, 32621), (670, 32951), (676, 32978), (710, 33083),

Gene: TinaFeyge_33 Start: 26292, Stop: 25126, Start Num: 113
Candidate Starts for TinaFeyge_33:
(Start: 113 @26292 has 3 MA's), (135, 26265), (Start: 150 @26247 has 120 MA's), (Start: 194 @26178 has 8 MA's), (Start: 222 @26124 has 6 MA's), (329, 25905), (334, 25896), (356, 25860), (395, 25818), (401, 25806), (403, 25803), (439, 25725), (497, 25590), (510, 25572), (548, 25485), (559, 25458), (570, 25443), (579, 25425), (665, 25287), (678, 25239), (685, 25209), (687, 25203), (689, 25191), (707, 25152),

Gene: TinaLin_36 Start: 26813, Stop: 25707, Start Num: 197
Candidate Starts for TinaLin_36:
(Start: 197 @26813 has 12 MA's), (238, 26726), (359, 26492), (396, 26429), (403, 26417), (422, 26366), (495, 26204), (525, 26156), (584, 26027), (611, 25979), (654, 25883), (681, 25793), (687, 25766),

Gene: TiniBug_42 Start: 33372, Stop: 34460, Start Num: 158
Candidate Starts for TiniBug_42:
(50, 33150), (Start: 158 @33372 has 315 MA's), (Start: 189 @33423 has 14 MA's), (Start: 222 @33474 has 6 MA's), (234, 33498), (Start: 252 @33534 has 15 MA's), (308, 33648), (352, 33726), (406, 33810), (439, 33879), (440, 33882), (510, 34032), (553, 34137), (661, 34272), (704, 34416),

Gene: TipsytheTRex_33 Start: 25948, Stop: 24836, Start Num: 150
Candidate Starts for TipsytheTRex_33:
(Start: 150 @25948 has 120 MA's), (199, 25870), (Start: 222 @25825 has 6 MA's), (242, 25780), (279, 25720), (334, 25597), (356, 25561), (401, 25507), (403, 25504), (457, 25381), (458, 25378), (463, 25363), (505, 25279), (510, 25273), (548, 25198), (559, 25171), (570, 25156), (579, 25138), (600, 25111), (665, 25000), (678, 24952), (679, 24949), (681, 24943), (685, 24922), (687, 24916), (689, 24904), (707, 24865), (710, 24856),

Gene: Tiri_42 Start: 32775, Stop: 33863, Start Num: 158
Candidate Starts for Tiri_42:
(Start: 158 @32775 has 315 MA's), (Start: 222 @32877 has 6 MA's), (234, 32901), (Start: 252 @32937 has 15 MA's), (322, 33075), (352, 33129), (406, 33213), (439, 33282), (440, 33285), (510, 33435), (553, 33540), (619, 33627), (661, 33675), (704, 33819),

Gene: ToastyOats_39 Start: 26923, Stop: 27843, Start Num: 256
Candidate Starts for ToastyOats_39:
(92, 26617), (99, 26629), (145, 26695), (186, 26767), (195, 26791), (206, 26818), (Start: 256 @26923 has 84 MA's), (325, 27079), (334, 27097), (340, 27109), (352, 27133), (417, 27256), (421, 27265), (447, 27304), (481, 27364), (486, 27373), (491, 27379), (511, 27412), (531, 27454), (539, 27466), (549, 27499), (550, 27505), (553, 27511), (592, 27562), (609, 27589), (667, 27685), (673, 27709), (677, 27724), (679, 27730), (706, 27811), (707, 27814),

Gene: Tomathan_37 Start: 26420, Stop: 25350, Start Num: 189
Candidate Starts for Tomathan_37:

(Start: 150 @26474 has 120 MA's), (Start: 189 @26420 has 14 MA's), (Start: 222 @26351 has 6 MA's), (322, 26150), (334, 26123), (356, 26087), (401, 26033), (403, 26030), (412, 26003), (439, 25952), (454, 25919), (457, 25907), (463, 25889), (510, 25799), (517, 25787), (535, 25748), (548, 25712), (549, 25706), (559, 25685), (570, 25670), (579, 25652), (600, 25625), (665, 25514), (678, 25466), (679, 25463), (685, 25436), (687, 25430), (689, 25418), (707, 25379),

Gene: Toodles_37 Start: 26753, Stop: 27673, Start Num: 256
Candidate Starts for Toodles_37:
(92, 26447), (99, 26459), (145, 26525), (186, 26597), (195, 26621), (206, 26648), (Start: 256 @26753 has 84 MA's), (265, 26777), (325, 26909), (334, 26927), (417, 27086), (421, 27095), (447, 27134), (486, 27203), (491, 27209), (511, 27242), (531, 27284), (550, 27335), (667, 27515), (673, 27539), (677, 27554), (706, 27641), (707, 27644), (712, 27656),

Gene: Topper_41 Start: 32595, Stop: 33683, Start Num: 158
Candidate Starts for Topper_41:
(14, 31992), (22, 32169), (41, 32334), (50, 32373), (Start: 158 @32595 has 315 MA's), (Start: 189 @32646 has 14 MA's), (Start: 222 @32697 has 6 MA's), (234, 32721), (Start: 252 @32757 has 15 MA's), (322, 32895), (406, 33033), (439, 33102), (440, 33105), (510, 33255), (553, 33360), (661, 33495),

Gene: Torres_39 Start: 34590, Stop: 35684, Start Num: 158
Candidate Starts for Torres_39:
(26, 34239), (Start: 29 @34254 has 1 MA's), (45, 34347), (50, 34368), (78, 34461), (Start: 158 @34590 has 315 MA's), (Start: 189 @34641 has 14 MA's), (234, 34716), (Start: 252 @34752 has 15 MA's), (299, 34848), (308, 34866), (322, 34890), (349, 34938), (352, 34944), (426, 35076), (439, 35109), (457, 35154), (510, 35262), (553, 35367), (606, 35427), (661, 35502), (688, 35610), (704, 35646),

Gene: TouchMeNot_32 Start: 30114, Stop: 28903, Start Num: 169
Candidate Starts for TouchMeNot_32:
(Start: 169 @30114 has 4 MA's), (255, 29940), (313, 29799), (401, 29640), (465, 29490), (513, 29400), (637, 29136), (649, 29100), (653, 29094), (704, 28929), (708, 28914), (709, 28911),

Gene: Travvers_37 Start: 26420, Stop: 25350, Start Num: 189
Candidate Starts for Travvers_37:
(Start: 150 @26474 has 120 MA's), (Start: 189 @26420 has 14 MA's), (Start: 222 @26351 has 6 MA's), (322, 26150), (323, 26147), (334, 26123), (356, 26087), (403, 26030), (412, 26003), (439, 25952), (454, 25919), (457, 25907), (463, 25889), (497, 25817), (510, 25799), (517, 25787), (548, 25712), (549, 25706), (559, 25685), (570, 25670), (579, 25652), (600, 25625), (665, 25514), (678, 25466), (679, 25463), (685, 25436), (687, 25430), (689, 25418), (707, 25379),

Gene: Trax_8 Start: 3425, Stop: 2322, Start Num: 197
Candidate Starts for Trax_8:
(Start: 187 @3452 has 20 MA's), (Start: 197 @3425 has 12 MA's), (203, 3413), (227, 3359), (Start: 236 @3344 has 1 MA's), (246, 3320), (258, 3293), (317, 3167), (375, 3095), (403, 3032), (406, 3020), (422, 2981), (460, 2897), (470, 2876), (516, 2789), (549, 2720), (554, 2708), (604, 2612), (616, 2588), (644, 2528), (657, 2492), (664, 2477), (673, 2438), (683, 2396),

Gene: TreyKay_42 Start: 32665, Stop: 33753, Start Num: 158
Candidate Starts for TreyKay_42:
(72, 32518), (Start: 158 @32665 has 315 MA's), (Start: 222 @32767 has 6 MA's), (234, 32791), (Start: 252 @32827 has 15 MA's), (322, 32965), (352, 33019), (406, 33103), (439, 33172), (440, 33175), (510, 33325), (553, 33430), (619, 33517), (661, 33565), (704, 33709),

Gene: Trice_37 Start: 31641, Stop: 33071, Start Num: 29
Candidate Starts for Trice_37:
(26, 31626), (Start: 29 @31641 has 1 MA's), (45, 31734), (50, 31755), (78, 31848), (Start: 158 @31977 has 315 MA's), (Start: 189 @32028 has 14 MA's), (234, 32103), (Start: 252 @32139 has 15 MA's), (299, 32235), (308, 32253), (322, 32277), (349, 32325), (352, 32331), (426, 32463), (439, 32496), (457, 32541), (510, 32649), (553, 32754), (606, 32814), (661, 32889), (688, 32997), (704, 33033),

Gene: TripleJ_37 Start: 28096, Stop: 26960, Start Num: 166
Candidate Starts for TripleJ_37:
(Start: 166 @28096 has 2 MA's), (203, 28030), (240, 27955), (250, 27934), (Start: 256 @27925 has 84 MA's), (277, 27889), (286, 27868), (309, 27805), (339, 27748), (348, 27730), (388, 27694), (401, 27664), (406, 27649), (410, 27637), (418, 27616), (439, 27580), (440, 27577), (450, 27556), (465, 27514), (467, 27511), (477, 27487), (497, 27448), (510, 27430), (563, 27322), (597, 27271), (673, 27130), (675, 27121), (691, 27058), (723, 26989), (729, 26983),

Gene: Tristan_35 Start: 28130, Stop: 26997, Start Num: 140
Candidate Starts for Tristan_35:
(Start: 140 @28130 has 6 MA's), (Start: 222 @27995 has 6 MA's), (242, 27950), (245, 27944), (268, 27905), (322, 27794), (334, 27767), (356, 27731), (395, 27689), (403, 27674), (439, 27596), (510, 27443), (517, 27431), (548, 27356), (549, 27350), (559, 27329), (570, 27314), (579, 27296), (614, 27245), (665, 27158), (678, 27110), (685, 27080), (687, 27074), (689, 27062), (707, 27023),

Gene: Trixie_35 Start: 27323, Stop: 26259, Start Num: 189
Candidate Starts for Trixie_35:
(Start: 150 @27377 has 120 MA's), (Start: 189 @27323 has 14 MA's), (Start: 222 @27254 has 6 MA's), (242, 27209), (322, 27053), (326, 27041), (334, 27026), (356, 26990), (395, 26948), (401, 26936), (403, 26933), (406, 26921), (439, 26855), (454, 26822), (463, 26792), (510, 26702), (512, 26699), (517, 26690), (526, 26669), (548, 26615), (559, 26588), (570, 26573), (579, 26555), (665, 26417), (678, 26369), (679, 26366), (685, 26339), (687, 26333), (689, 26321), (707, 26282),

Gene: Trooper_35 Start: 26605, Stop: 25538, Start Num: 189
Candidate Starts for Trooper_35:
(Start: 101 @26722 has 2 MA's), (Start: 150 @26659 has 120 MA's), (Start: 189 @26605 has 14 MA's), (Start: 222 @26536 has 6 MA's), (242, 26491), (322, 26335), (356, 26272), (406, 26203), (432, 26161), (439, 26137), (463, 26074), (510, 25984), (517, 25972), (548, 25897), (549, 25891), (559, 25870), (570, 25855), (579, 25837), (600, 25810), (665, 25699), (677, 25654), (678, 25651), (679, 25648), (685, 25621), (687, 25615), (689, 25603), (707, 25564),

Gene: Troy_27 Start: 25228, Stop: 23900, Start Num: 91
Candidate Starts for Troy_27:
(Start: 91 @25228 has 3 MA's), (Start: 114 @25192 has 10 MA's), (121, 25183), (Start: 161 @25126 has 5 MA's), (272, 24916), (274, 24913), (318, 24814), (325, 24796), (370, 24730), (373, 24724), (383, 24712), (448, 24547), (466, 24502), (476, 24481), (480, 24469), (493, 24445), (507, 24421), (511, 24415), (528, 24379), (568, 24283), (603, 24226), (627, 24181), (643, 24157), (660, 24142), (676, 24076), (677, 24073), (683, 24046), (688, 24028), (713, 23968), (738, 23914),

Gene: TroyPia_33 Start: 26250, Stop: 25129, Start Num: 150
Candidate Starts for TroyPia_33:
(Start: 113 @26295 has 3 MA's), (135, 26268), (Start: 150 @26250 has 120 MA's), (Start: 194 @26181 has 8 MA's), (Start: 222 @26127 has 6 MA's), (329, 25908), (334, 25899), (356, 25863), (395, 25821), (401, 25809), (403, 25806), (439, 25728), (497, 25593), (510, 25575), (548, 25488), (559, 25461), (570, 25446), (579, 25428), (665, 25290), (678, 25242), (685, 25212), (687, 25206), (689, 25194), (707, 25155),

Gene: TruffulaTree_41 Start: 32473, Stop: 33561, Start Num: 158
Candidate Starts for TruffulaTree_41:
(Start: 158 @32473 has 315 MA's), (Start: 189 @32524 has 14 MA's), (Start: 222 @32575 has 6 MA's), (234, 32599), (Start: 252 @32635 has 15 MA's), (322, 32773), (352, 32827), (406, 32911), (439, 32980), (440, 32983), (510, 33133), (545, 33211), (553, 33238), (619, 33325), (661, 33373),

Gene: Trumpet_39 Start: 30564, Stop: 31646, Start Num: 155
Candidate Starts for Trumpet_39:
(Start: 83 @30453 has 6 MA's), (Start: 155 @30564 has 58 MA's), (Start: 189 @30618 has 14 MA's), (258, 30738), (401, 30993), (412, 31023), (440, 31083), (467, 31149), (477, 31173), (670, 31503), (676, 31530), (710, 31635),

Gene: TuertoX_37 Start: 27875, Stop: 28957, Start Num: 155
Candidate Starts for TuertoX_37:
(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: Turbido_34 Start: 26644, Stop: 25511, Start Num: 146
Candidate Starts for Turbido_34:
(Start: 133 @26662 has 7 MA's), (Start: 146 @26644 has 6 MA's), (Start: 194 @26560 has 8 MA's), (Start: 222 @26512 has 6 MA's), (242, 26467), (334, 26284), (356, 26248), (403, 26191), (406, 26179), (412, 26164), (454, 26080), (457, 26068), (463, 26050), (510, 25960), (517, 25948), (548, 25873), (549, 25867), (559, 25846), (570, 25831), (579, 25813), (600, 25786), (665, 25675), (678, 25627), (679, 25624), (685, 25597), (687, 25591), (689, 25579), (707, 25540),

Gene: TurkishDelight_52 Start: 44050, Stop: 45588, Start Num: 48
Candidate Starts for TurkishDelight_52:
(13, 43657), (33, 43954), (Start: 48 @44050 has 1 MA's), (84, 44173), (180, 44323), (190, 44344), (225, 44425), (289, 44578), (300, 44611), (302, 44614), (359, 44731), (404, 44851), (416, 44884), (425, 44905), (440, 44947), (485, 45058), (514, 45106), (521, 45124), (530, 45142), (546, 45172), (625, 45325), (650, 45358), (665, 45400), (681, 45457), (696, 45514), (710, 45550), (716, 45568),

Gene: Tuti_37 Start: 28202, Stop: 29125, Start Num: 252
Candidate Starts for Tuti_37:
(Start: 252 @28202 has 15 MA's), (Start: 256 @28208 has 84 MA's), (346, 28397), (347, 28403), (450, 28589), (482, 28646), (486, 28652), (491, 28658), (548, 28772), (549, 28778), (553, 28790), (609, 28865), (621, 28889), (623, 28892), (650, 28928), (660, 28934), (663, 28946), (677, 29003), (688, 29048),

Gene: Tuti_39 Start: 29576, Stop: 30703, Start Num: 158
Candidate Starts for Tuti_39:
(52, 29357), (58, 29393), (Start: 158 @29576 has 315 MA's), (Start: 189 @29630 has 14 MA's), (249, 29753), (268, 29786), (326, 29909), (439, 30104), (440, 30107), (457, 30149), (473, 30185), (633, 30482), (681, 30602), (687, 30629), (710, 30692),

Gene: Twinkle_35 Start: 31824, Stop: 32741, Start Num: 256
Candidate Starts for Twinkle_35:
(Start: 252 @31818 has 15 MA's), (Start: 256 @31824 has 84 MA's), (340, 32004), (346, 32013), (347, 32019), (443, 32190), (450, 32205), (482, 32262), (486, 32268), (491, 32274), (498, 32289), (548, 32388), (549, 32394), (553, 32406), (609, 32481), (621, 32505), (623, 32508), (650, 32544), (660, 32550), (663, 32562), (688, 32664),

Gene: Twinkle_39 Start: 33608, Stop: 34735, Start Num: 158
Candidate Starts for Twinkle_39:
(124, 33569), (Start: 158 @33608 has 315 MA's), (Start: 189 @33662 has 14 MA's), (249, 33785), (268, 33818), (309, 33908), (326, 33941), (439, 34136), (440, 34139), (457, 34181), (473, 34217), (633, 34514), (670, 34592), (676, 34619), (681, 34634), (687, 34661), (710, 34724),

Gene: Twitch_41 Start: 32597, Stop: 33685, Start Num: 158
Candidate Starts for Twitch_41:
(14, 31994), (22, 32171), (41, 32336), (50, 32375), (Start: 158 @32597 has 315 MA's), (Start: 189 @32648 has 14 MA's), (Start: 222 @32699 has 6 MA's), (234, 32723), (Start: 252 @32759 has 15 MA's), (322, 32897), (406, 33035), (439, 33104), (440, 33107), (510, 33257), (553, 33362), (661, 33497),

Gene: Ubuntu_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Ubuntu_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Updawg_35 Start: 26811, Stop: 25678, Start Num: 150
Candidate Starts for Updawg_35:
(Start: 150 @26811 has 120 MA's), (Start: 189 @26757 has 14 MA's), (Start: 222 @26688 has 6 MA's), (242, 26643), (322, 26487), (334, 26460), (356, 26424), (403, 26367), (457, 26244), (463, 26226), (510, 26136), (517, 26124), (548, 26049), (549, 26043), (559, 26022), (570, 26007), (579, 25989), (600, 25962), (606, 25953), (665, 25851), (678, 25803), (685, 25773), (687, 25767), (689, 25755), (707, 25716),

Gene: Urkel_42 Start: 33376, Stop: 34464, Start Num: 158
Candidate Starts for Urkel_42:
(50, 33154), (Start: 158 @33376 has 315 MA's), (Start: 189 @33427 has 14 MA's), (Start: 222 @33478 has 6 MA's), (234, 33502), (Start: 252 @33538 has 15 MA's), (308, 33652), (352, 33730), (406, 33814), (439, 33883), (440, 33886), (510, 34036), (553, 34141), (661, 34276), (704, 34420),

Gene: Utz_31 Start: 28505, Stop: 29425, Start Num: 256
Candidate Starts for Utz_31:
(Start: 252 @28499 has 15 MA's), (Start: 256 @28505 has 84 MA's), (308, 28622), (309, 28625), (342, 28688), (346, 28694), (347, 28700), (406, 28802), (450, 28886), (481, 28940), (482, 28943), (486, 28949), (498, 28970), (548, 29069), (553, 29087), (609, 29162), (623, 29189), (650, 29225), (677, 29300),

Gene: VA6_33 Start: 26411, Stop: 25287, Start Num: 150
Candidate Starts for VA6_33:
(107, 26465), (Start: 150 @26411 has 120 MA's), (Start: 189 @26357 has 14 MA's), (Start: 222 @26288 has 6 MA's), (322, 26087), (334, 26060), (356, 26024), (401, 25970), (403, 25967), (412, 25940), (439, 25889), (454, 25856), (457, 25844), (463, 25826), (497, 25754), (510, 25736), (517, 25724), (535, 25685), (548, 25649), (549, 25643), (559, 25622), (570, 25607), (579, 25589), (600, 25562), (665, 25451), (678, 25403), (679, 25400), (685, 25373), (687, 25367), (689, 25355), (707, 25316),

Gene: VC3_36 Start: 26399, Stop: 25275, Start Num: 150
Candidate Starts for VC3_36:
(107, 26453), (Start: 150 @26399 has 120 MA's), (Start: 189 @26345 has 14 MA's), (Start: 222 @26276 has 6 MA's), (322, 26075), (334, 26048), (356, 26012), (401, 25958), (403, 25955), (412, 25928), (439, 25877), (454, 25844), (457, 25832), (463, 25814), (497, 25742), (510, 25724), (517, 25712), (535, 25673), (548, 25637), (549, 25631), (559, 25610), (570, 25595), (579, 25577), (600, 25550), (665, 25439), (678, 25391), (679, 25388), (685, 25361), (687, 25355), (689, 25343), (707, 25304),

Gene: VRedHorse_42 Start: 32159, Stop: 33286, Start Num: 158
Candidate Starts for VRedHorse_42:
(85, 32057), (123, 32114), (Start: 158 @32159 has 315 MA's), (Start: 163 @32168 has 3 MA's), (Start: 252 @32330 has 15 MA's), (276, 32381), (282, 32399), (299, 32444), (329, 32504), (352, 32540), (359, 32549), (412, 32654), (441, 32723), (465, 32783), (471, 32795), (473, 32798), (477, 32810), (483, 32825), (495, 32849), (499, 32855), (514, 32876), (533, 32912), (535, 32915), (548, 32951), (549, 32957), (555, 32972), (566, 32987), (619, 33056), (629, 33071), (664, 33113), (674, 33158), (677, 33167), (687, 33206), (690, 33224), (703, 33245), (707, 33260), (710, 33269), (712, 33272),

Gene: VWB_31 Start: 27412, Stop: 26129, Start Num: 138
Candidate Starts for VWB_31:
(Start: 138 @27412 has 2 MA's), (Start: 160 @27379 has 2 MA's), (181, 27346), (334, 27001), (371, 26962), (384, 26926), (392, 26914), (438, 26815), (459, 26767), (514, 26659), (518, 26650), (568, 26542), (605, 26464), (645, 26371), (657, 26347), (662, 26329), (665, 26311), (672, 26287), (680, 26257), (681, 26254), (686, 26230), (688, 26221), (696, 26197), (704, 26185), (707, 26173), (729, 26134),

Gene: Validus_45 Start: 33099, Stop: 34196, Start Num: 158
Candidate Starts for Validus_45:
(Start: 158 @33099 has 315 MA's), (234, 33225), (Start: 252 @33261 has 15 MA's), (308, 33375), (352, 33453), (406, 33537), (439, 33618), (440, 33621), (457, 33663), (495, 33750), (510, 33771), (553, 33876), (606, 33936), (651, 33999), (704, 34155),

Gene: Veliki_41 Start: 32513, Stop: 33601, Start Num: 158
Candidate Starts for Veliki_41:
(Start: 158 @32513 has 315 MA's), (Start: 189 @32564 has 14 MA's), (Start: 222 @32615 has 6 MA's), (234, 32639), (Start: 252 @32675 has 15 MA's), (322, 32813), (352, 32867), (406, 32951), (439, 33020), (440, 33023), (510, 33173), (545, 33251), (553, 33278), (619, 33365), (661, 33413),

Gene: Velveteen_37 Start: 27903, Stop: 29021, Start Num: 158
Candidate Starts for Velveteen_37:
(Start: 158 @27903 has 315 MA's), (Start: 252 @28074 has 15 MA's), (329, 28239), (352, 28275), (359, 28284), (403, 28365), (412, 28389), (441, 28458), (457, 28497), (463, 28515), (465, 28518), (471, 28530), (473, 28533), (477, 28545), (483, 28560), (495, 28584), (499, 28590), (514, 28611), (533, 28647), (535, 28650), (548, 28686), (549, 28692), (553, 28704), (555, 28707), (566, 28722), (619, 28791), (629, 28806), (664, 28848), (674, 28893), (677, 28902), (687, 28941), (690, 28959), (703, 28980), (707, 28995), (710, 29004), (712, 29007),

Gene: Vendetta_37 Start: 27965, Stop: 26850, Start Num: 197
Candidate Starts for Vendetta_37:
(162, 28034), (Start: 197 @27965 has 12 MA's), (372, 27626), (388, 27593), (525, 27299), (536, 27287), (548, 27254), (617, 27107), (681, 26936), (687, 26909),

Gene: Violac_42 Start: 32601, Stop: 33719, Start Num: 158
Candidate Starts for Violac_42:
(Start: 158 @32601 has 315 MA's), (Start: 163 @32610 has 3 MA's), (Start: 252 @32772 has 15 MA's), (329, 32937), (352, 32973), (359, 32982), (412, 33087), (441, 33156), (454, 33183), (457, 33195), (465, 33216), (471, 33228), (473, 33231), (477, 33243), (483, 33258), (495, 33282), (499, 33288), (514, 33309), (533, 33345), (535, 33348), (548, 33384), (549, 33390), (555, 33405), (566, 33420), (619, 33489), (629, 33504), (674, 33591), (677, 33600), (687, 33639), (690, 33657), (703, 33678), (707, 33693), (710, 33702), (712, 33705),

Gene: Vix_36 Start: 26872, Stop: 25727, Start Num: 150
Candidate Starts for Vix_36:
(Start: 150 @26872 has 120 MA's), (Start: 179 @26833 has 10 MA's), (203, 26785), (Start: 222 @26749 has 6 MA's), (242, 26704), (322, 26548), (334, 26521), (356, 26485), (403, 26428), (439, 26350), (450, 26326), (463, 26287), (497, 26215), (505, 26203), (510, 26197), (517, 26185), (548, 26110), (549, 26104), (559, 26083), (570, 26068), (579, 26050), (598, 26026), (665, 25912), (677, 25867), (678, 25864), (681, 25855), (685, 25834), (687, 25828), (689, 25816), (707, 25777),

Gene: Vopal_39 Start: 27391, Stop: 28311, Start Num: 256
Candidate Starts for Vopal_39:
(Start: 236 @27349 has 1 MA's), (Start: 256 @27391 has 84 MA's), (325, 27547), (334, 27565), (340, 27577), (417, 27724), (447, 27772), (476, 27817), (481, 27832), (486, 27841), (491, 27847), (498, 27862), (511, 27880), (531, 27922), (537, 27931), (550, 27973), (609, 28057), (623, 28084), (677, 28192), (707, 28282),

Gene: Vopal_43 Start: 30649, Stop: 29477, Start Num: 158
Candidate Starts for Vopal_43:
(Start: 158 @30649 has 315 MA's), (Start: 189 @30598 has 14 MA's), (282, 30430), (290, 30412), (310, 30361), (359, 30280), (403, 30202), (406, 30190), (439, 30115), (443, 30106), (467, 30046), (511, 29956), (555, 29851), (571, 29830), (583, 29806), (585, 29803), (628, 29734), (664, 29680), (670, 29656), (673, 29641), (712, 29521), (725, 29494),

Gene: Wachhund_44 Start: 32077, Stop: 33195, Start Num: 158
Candidate Starts for Wachhund_44:
(Start: 158 @32077 has 315 MA's), (Start: 163 @32086 has 3 MA's), (Start: 252 @32248 has 15 MA's), (329, 32413), (352, 32449), (359, 32458), (412, 32563), (441, 32632), (457, 32671), (465, 32692), (471, 32704), (473, 32707), (477, 32719), (495, 32758), (499, 32764), (514, 32785), (533, 32821), (535, 32824), (548, 32860), (549, 32866), (553, 32878), (555, 32881), (619, 32965), (629, 32980), (664, 33022), (674, 33067), (677, 33076), (687, 33115), (690, 33133), (703, 33154), (707, 33169), (710, 33178), (712, 33181),

Gene: Wanda_85 Start: 52091, Stop: 53320, Start Num: 136
Candidate Starts for Wanda_85:
(Start: 136 @52091 has 29 MA's), (Start: 148 @52109 has 1 MA's), (Start: 170 @52148 has 1 MA's), (282, 52385), (329, 52493), (395, 52613), (396, 52616), (401, 52625), (406, 52640), (422, 52679), (458, 52757), (514, 52862), (520, 52874), (529, 52877), (533, 52886), (551, 52937), (553, 52940), (566, 52958), (617, 53054), (652, 53111), (684, 53231), (685, 53234), (690, 53258), (704, 53282), (705, 53285),

Gene: Watson_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for Watson_36:
(Start: 150 @26782 has 120 MA's), (Start: 179 @26743 has 10 MA's), (Start: 222 @26659 has 6 MA's), (242, 26614), (322, 26458), (334, 26431), (356, 26395), (403, 26338), (439, 26260), (450, 26236), (463, 26197), (497, 26125), (505, 26113), (510, 26107), (517, 26095), (548, 26020), (549,

26014), (559, 25993), (570, 25978), (579, 25960), (598, 25936), (665, 25822), (677, 25777), (678, 25774), (681, 25765), (685, 25744), (687, 25738), (689, 25726), (707, 25687),

Gene: Webster2_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Webster2_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Wee_46 Start: 33180, Stop: 34283, Start Num: 158
Candidate Starts for Wee_46:
(Start: 158 @33180 has 315 MA's), (Start: 189 @33228 has 14 MA's), (235, 33309), (246, 33336), (352, 33549), (371, 33573), (403, 33621), (439, 33702), (467, 33771), (471, 33780), (483, 33810), (495, 33834), (510, 33855), (545, 33933), (549, 33948), (597, 34008), (619, 34047), (629, 34062), (648, 34086), (664, 34113), (670, 34137), (674, 34158), (677, 34167), (688, 34212), (690, 34224),

Gene: WeiHuaDA_38 Start: 28048, Stop: 26930, Start Num: 150
Candidate Starts for WeiHuaDA_38:
(Start: 150 @28048 has 120 MA's), (Start: 222 @27925 has 6 MA's), (242, 27880), (322, 27724), (334, 27697), (356, 27661), (403, 27604), (439, 27526), (454, 27493), (463, 27463), (510, 27373), (517, 27361), (532, 27328), (548, 27286), (559, 27259), (570, 27244), (579, 27226), (665, 27088), (678, 27040), (679, 27037), (685, 27010), (687, 27004), (689, 26992), (707, 26953),

Gene: WelcomeAyanna_38 Start: 31686, Stop: 32768, Start Num: 155
Candidate Starts for WelcomeAyanna_38:
(Start: 83 @31575 has 6 MA's), (Start: 155 @31686 has 58 MA's), (Start: 189 @31740 has 14 MA's), (258, 31860), (412, 32145), (440, 32205), (467, 32271), (477, 32295), (670, 32625), (676, 32652), (710, 32757),

Gene: Whabigail7_34 Start: 26650, Stop: 25499, Start Num: 133
Candidate Starts for Whabigail7_34:
(Start: 133 @26650 has 7 MA's), (Start: 146 @26632 has 6 MA's), (Start: 194 @26548 has 8 MA's), (Start: 222 @26500 has 6 MA's), (242, 26455), (334, 26272), (356, 26236), (403, 26179), (406, 26167), (412, 26152), (454, 26068), (457, 26056), (463, 26038), (510, 25948), (517, 25936), (548, 25861), (549, 25855), (559, 25834), (570, 25819), (579, 25801), (600, 25774), (665, 25663), (678, 25615), (679, 25612), (685, 25585), (687, 25579), (689, 25567), (707, 25528),

Gene: Whatsapiecost_41 Start: 31324, Stop: 32442, Start Num: 158
Candidate Starts for Whatsapiecost_41:
(Start: 158 @31324 has 315 MA's), (235, 31462), (Start: 252 @31495 has 15 MA's), (278, 31543), (329, 31660), (352, 31696), (359, 31705), (412, 31810), (441, 31879), (465, 31939), (471, 31951), (473, 31954), (477, 31966), (483, 31981), (495, 32005), (499, 32011), (514, 32032), (533, 32068), (535, 32071), (548, 32107), (549, 32113), (553, 32125), (555, 32128), (619, 32212), (629, 32227), (664, 32269), (674, 32314), (677, 32323), (687, 32362), (690, 32380), (703, 32401), (707, 32416), (710, 32425), (712, 32428),

Gene: Whiteclaw_37 Start: 27875, Stop: 28957, Start Num: 155
Candidate Starts for Whiteclaw_37:

(Start: 81 @27758 has 2 MA's), (Start: 83 @27764 has 6 MA's), (Start: 155 @27875 has 58 MA's), (Start: 189 @27929 has 14 MA's), (258, 28049), (401, 28304), (412, 28334), (440, 28394), (467, 28460), (477, 28484), (533, 28589), (670, 28814), (676, 28841), (710, 28946),

Gene: WideWale_35 Start: 26811, Stop: 25678, Start Num: 150
Candidate Starts for WideWale_35:
(Start: 150 @26811 has 120 MA's), (Start: 189 @26757 has 14 MA's), (Start: 222 @26688 has 6 MA's), (242, 26643), (322, 26487), (334, 26460), (356, 26424), (403, 26367), (457, 26244), (463, 26226), (510, 26136), (517, 26124), (548, 26049), (549, 26043), (559, 26022), (570, 26007), (579, 25989), (600, 25962), (606, 25953), (665, 25851), (678, 25803), (685, 25773), (687, 25767), (689, 25755), (707, 25716),

Gene: WillSterrel_41 Start: 32521, Stop: 33639, Start Num: 158
Candidate Starts for WillSterrel_41:
(Start: 158 @32521 has 315 MA's), (Start: 163 @32530 has 3 MA's), (Start: 252 @32692 has 15 MA's), (359, 32902), (403, 32983), (412, 33007), (441, 33076), (465, 33136), (471, 33148), (473, 33151), (477, 33163), (483, 33178), (495, 33202), (499, 33208), (514, 33229), (533, 33265), (535, 33268), (548, 33304), (549, 33310), (555, 33325), (619, 33409), (629, 33424), (664, 33466), (674, 33511), (677, 33520), (687, 33559), (690, 33577), (703, 33598), (707, 33613), (710, 33622), (712, 33625),

Gene: Windest_40 Start: 26669, Stop: 25497, Start Num: 158
Candidate Starts for Windest_40:
(Start: 158 @26669 has 315 MA's), (Start: 189 @26618 has 14 MA's), (282, 26450), (290, 26432), (359, 26300), (403, 26222), (406, 26210), (408, 26204), (439, 26135), (443, 26126), (467, 26066), (511, 25976), (571, 25850), (583, 25826), (585, 25823), (664, 25700), (670, 25676), (673, 25661), (712, 25541), (725, 25514),

Gene: WinkNick_41 Start: 29791, Stop: 30918, Start Num: 158
Candidate Starts for WinkNick_41:
(124, 29752), (Start: 158 @29791 has 315 MA's), (Start: 189 @29845 has 14 MA's), (249, 29968), (268, 30001), (309, 30091), (326, 30124), (439, 30319), (440, 30322), (457, 30364), (473, 30400), (633, 30697), (670, 30775), (676, 30802), (681, 30817), (687, 30844), (710, 30907),

Gene: WinkNick_38 Start: 28007, Stop: 28924, Start Num: 256
Candidate Starts for WinkNick_38:
(Start: 252 @28001 has 15 MA's), (Start: 256 @28007 has 84 MA's), (346, 28196), (347, 28202), (406, 28304), (415, 28328), (450, 28388), (482, 28445), (486, 28451), (491, 28457), (548, 28571), (549, 28577), (553, 28589), (609, 28664), (621, 28688), (623, 28691), (650, 28727), (660, 28733), (663, 28745), (688, 28847),

Gene: Wishmaker_29 Start: 26478, Stop: 25285, Start Num: 187
Candidate Starts for Wishmaker_29:
(Start: 160 @26520 has 2 MA's), (Start: 187 @26478 has 20 MA's), (216, 26412), (251, 26331), (267, 26292), (276, 26277), (278, 26271), (282, 26259), (292, 26232), (304, 26199), (334, 26142), (357, 26109), (359, 26106), (378, 26058), (395, 26016), (396, 26013), (406, 25989), (412, 25974), (422, 25950), (431, 25935), (450, 25896), (454, 25884), (467, 25845), (485, 25806), (514, 25758), (516, 25755), (548, 25683), (549, 25677), (553, 25665), (555, 25662), (559, 25656), (588, 25602), (602, 25584), (604, 25581), (617, 25554), (627, 25536), (630, 25530), (632, 25527), (662, 25485), (668, 25458), (670, 25452), (683, 25395), (706, 25332), (707, 25329),

Gene: Wooldri_38 Start: 26701, Stop: 25556, Start Num: 150
Candidate Starts for Wooldri_38:

(Start: 150 @26701 has 120 MA's), (Start: 179 @26662 has 10 MA's), (Start: 222 @26578 has 6 MA's), (242, 26533), (322, 26377), (334, 26350), (356, 26314), (403, 26257), (439, 26179), (450, 26155), (463, 26116), (497, 26044), (505, 26032), (510, 26026), (517, 26014), (548, 25939), (549, 25933), (559, 25912), (570, 25897), (579, 25879), (598, 25855), (665, 25741), (677, 25696), (678, 25693), (681, 25684), (685, 25663), (687, 25657), (689, 25645), (707, 25606),

Gene: Wrigley_43 Start: 31922, Stop: 33004, Start Num: 155
Candidate Starts for Wrigley_43:
(Start: 83 @31811 has 6 MA's), (89, 31826), (Start: 155 @31922 has 58 MA's), (Start: 189 @31976 has 14 MA's), (258, 32096), (412, 32381), (440, 32441), (467, 32507), (477, 32531), (533, 32636), (559, 32702), (685, 32924), (688, 32936), (710, 32993),

Gene: XFactor_41 Start: 32278, Stop: 33396, Start Num: 158
Candidate Starts for XFactor_41:
(Start: 158 @32278 has 315 MA's), (Start: 252 @32449 has 15 MA's), (329, 32614), (352, 32650), (359, 32659), (412, 32764), (441, 32833), (457, 32872), (463, 32890), (465, 32893), (471, 32905), (473, 32908), (477, 32920), (483, 32935), (495, 32959), (499, 32965), (514, 32986), (533, 33022), (535, 33025), (548, 33061), (549, 33067), (555, 33082), (566, 33097), (619, 33166), (629, 33181), (664, 33223), (674, 33268), (677, 33277), (687, 33316), (690, 33334), (703, 33355), (707, 33370), (710, 33379), (712, 33382),

Gene: XianYue_35 Start: 26639, Stop: 25515, Start Num: 150
Candidate Starts for XianYue_35:
(123, 26681), (Start: 150 @26639 has 120 MA's), (Start: 179 @26600 has 10 MA's), (203, 26552), (Start: 222 @26516 has 6 MA's), (242, 26471), (326, 26303), (356, 26252), (439, 26117), (450, 26093), (510, 25964), (517, 25952), (548, 25877), (549, 25871), (559, 25850), (570, 25835), (579, 25817), (665, 25679), (678, 25631), (685, 25601), (687, 25595), (689, 25583), (699, 25562), (707, 25544),

Gene: Xiaokay_72 Start: 49061, Stop: 50290, Start Num: 136
Candidate Starts for Xiaokay_72:
(Start: 136 @49061 has 29 MA's), (Start: 148 @49079 has 1 MA's), (Start: 170 @49118 has 1 MA's), (282, 49355), (329, 49463), (395, 49583), (396, 49586), (401, 49595), (406, 49610), (422, 49649), (458, 49727), (520, 49844), (529, 49847), (533, 49856), (551, 49907), (553, 49910), (566, 49928), (617, 50024), (652, 50081), (684, 50201), (685, 50204), (690, 50228), (704, 50252), (705, 50255),

Gene: Yecey3_35 Start: 26339, Stop: 25209, Start Num: 140
Candidate Starts for Yecey3_35:
(76, 26456), (77, 26450), (88, 26414), (112, 26375), (115, 26372), (Start: 140 @26339 has 6 MA's), (Start: 194 @26258 has 8 MA's), (Start: 222 @26204 has 6 MA's), (242, 26159), (279, 26099), (334, 25976), (401, 25886), (403, 25883), (439, 25805), (450, 25781), (457, 25760), (463, 25742), (508, 25655), (510, 25652), (517, 25640), (548, 25565), (549, 25559), (559, 25538), (570, 25523), (579, 25505), (665, 25367), (678, 25319), (685, 25289), (687, 25283), (689, 25271), (707, 25232),

Gene: Yeet_76 Start: 51441, Stop: 52670, Start Num: 136
Candidate Starts for Yeet_76:
(Start: 136 @51441 has 29 MA's), (Start: 148 @51459 has 1 MA's), (Start: 170 @51498 has 1 MA's), (282, 51735), (329, 51843), (395, 51963), (396, 51966), (401, 51975), (406, 51990), (422, 52029), (458, 52107), (514, 52212), (520, 52224), (529, 52227), (533, 52236), (551, 52287), (553, 52290), (566, 52308), (617, 52404), (652, 52461), (684, 52581), (685, 52584), (690, 52608), (704, 52632), (705, 52635),

Gene: Yeet412_34 Start: 27696, Stop: 28778, Start Num: 155
Candidate Starts for Yeet412_34:

(Start: 83 @27585 has 6 MA's), (Start: 155 @27696 has 58 MA's), (Start: 189 @27750 has 14 MA's), (258, 27870), (401, 28125), (412, 28155), (440, 28215), (467, 28281), (477, 28305), (670, 28635), (676, 28662), (710, 28767),

Gene: Yonex_36 Start: 26903, Stop: 27823, Start Num: 256
Candidate Starts for Yonex_36:
(Start: 236 @26861 has 1 MA's), (Start: 256 @26903 has 84 MA's), (325, 27059), (334, 27077), (340, 27089), (417, 27236), (421, 27245), (447, 27284), (486, 27353), (491, 27359), (511, 27392), (521, 27416), (531, 27434), (539, 27446), (550, 27485), (667, 27665), (673, 27689), (677, 27704), (679, 27710), (706, 27791), (707, 27794),

Gene: YoungHarleezy_36 Start: 24585, Stop: 25502, Start Num: 256
Candidate Starts for YoungHarleezy_36:
(196, 24456), (200, 24462), (Start: 256 @24585 has 84 MA's), (325, 24741), (333, 24756), (340, 24768), (417, 24915), (421, 24924), (447, 24963), (476, 25008), (486, 25032), (491, 25038), (511, 25071), (531, 25113), (537, 25122), (550, 25164), (609, 25248), (673, 25368), (677, 25383),

Gene: YoungHarleezy_40 Start: 27782, Stop: 26643, Start Num: 158
Candidate Starts for YoungHarleezy_40:
(132, 27815), (Start: 158 @27782 has 315 MA's), (Start: 189 @27731 has 14 MA's), (282, 27563), (290, 27545), (359, 27413), (403, 27335), (406, 27323), (408, 27317), (439, 27248), (443, 27239), (467, 27179), (511, 27089), (555, 26984), (571, 26963), (585, 26936), (664, 26813), (670, 26789), (673, 26774), (692, 26699), (706, 26669),

Gene: YoureAdopted_40 Start: 32682, Stop: 33770, Start Num: 158
Candidate Starts for YoureAdopted_40:
(Start: 158 @32682 has 315 MA's), (Start: 222 @32784 has 6 MA's), (234, 32808), (Start: 252 @32844 has 15 MA's), (322, 32982), (352, 33036), (406, 33120), (439, 33189), (440, 33192), (510, 33342), (553, 33447), (619, 33534), (661, 33582), (674, 33636), (704, 33726),

Gene: YungMoney_41 Start: 35216, Stop: 36133, Start Num: 256
Candidate Starts for YungMoney_41:
(Start: 252 @35210 has 15 MA's), (Start: 256 @35216 has 84 MA's), (308, 35333), (309, 35336), (342, 35399), (346, 35405), (347, 35411), (450, 35597), (481, 35651), (482, 35654), (486, 35660), (498, 35681), (548, 35780), (549, 35786), (553, 35798), (609, 35873), (623, 35900), (650, 35936), (667, 35972), (677, 36011), (707, 36104), (715, 36125),

Gene: Yunkel11_44 Start: 32525, Stop: 33625, Start Num: 158
Candidate Starts for Yunkel11_44:
(69, 32375), (Start: 158 @32525 has 315 MA's), (Start: 189 @32576 has 14 MA's), (234, 32651), (Start: 252 @32687 has 15 MA's), (254, 32690), (308, 32801), (429, 33020), (439, 33044), (440, 33047), (495, 33176), (510, 33197), (553, 33302), (619, 33389), (661, 33437),

Gene: Zaheer_36 Start: 26991, Stop: 27911, Start Num: 256
Candidate Starts for Zaheer_36:
(Start: 256 @26991 has 84 MA's), (325, 27147), (334, 27165), (340, 27177), (417, 27324), (421, 27333), (447, 27372), (481, 27432), (486, 27441), (491, 27447), (511, 27480), (531, 27522), (539, 27534), (549, 27567), (550, 27573), (553, 27579), (609, 27657), (667, 27753), (679, 27798), (706, 27879), (707, 27882),

Gene: Zameen_39 Start: 30563, Stop: 31645, Start Num: 155
Candidate Starts for Zameen_39:

(Start: 83 @30452 has 6 MA's), (Start: 155 @30563 has 58 MA's), (Start: 189 @30617 has 14 MA's), (258, 30737), (401, 30992), (412, 31022), (440, 31082), (467, 31148), (477, 31172), (670, 31502), (676, 31529), (710, 31634),

Gene: Zarafa_33 Start: 26366, Stop: 25239, Start Num: 150
Candidate Starts for Zarafa_33:
(Start: 150 @26366 has 120 MA's), (203, 26279), (Start: 222 @26243 has 6 MA's), (242, 26198), (279, 26138), (322, 26042), (326, 26030), (329, 26024), (356, 25979), (401, 25925), (403, 25922), (410, 25898), (497, 25709), (510, 25691), (517, 25679), (535, 25640), (548, 25604), (549, 25598), (559, 25577), (570, 25562), (579, 25544), (665, 25406), (678, 25358), (685, 25328), (687, 25322), (689, 25310), (707, 25271),

Gene: Zavala_42 Start: 32759, Stop: 33847, Start Num: 158
Candidate Starts for Zavala_42:
(Start: 158 @32759 has 315 MA's), (Start: 222 @32861 has 6 MA's), (234, 32885), (Start: 252 @32921 has 15 MA's), (322, 33059), (352, 33113), (406, 33197), (439, 33266), (440, 33269), (459, 33317), (510, 33419), (553, 33524), (619, 33611), (661, 33659), (704, 33803),

Gene: Zelink_79 Start: 53554, Stop: 54765, Start Num: 148
Candidate Starts for Zelink_79:
(Start: 136 @53536 has 29 MA's), (Start: 148 @53554 has 1 MA's), (Start: 170 @53593 has 1 MA's), (282, 53830), (329, 53938), (395, 54058), (396, 54061), (401, 54070), (406, 54085), (422, 54124), (458, 54202), (514, 54307), (520, 54319), (529, 54322), (533, 54331), (551, 54382), (553, 54385), (566, 54403), (617, 54499), (652, 54556), (684, 54676), (685, 54679), (690, 54703), (704, 54727), (705, 54730),

Gene: Zetzy_35 Start: 26308, Stop: 25202, Start Num: 179
Candidate Starts for Zetzy_35:
(Start: 118 @26389 has 1 MA's), (Start: 150 @26347 has 120 MA's), (Start: 179 @26308 has 10 MA's), (203, 26260), (Start: 222 @26224 has 6 MA's), (242, 26179), (334, 25996), (356, 25960), (403, 25903), (439, 25825), (457, 25780), (510, 25672), (517, 25660), (548, 25585), (549, 25579), (559, 25558), (570, 25543), (598, 25501), (665, 25387), (677, 25342), (678, 25339), (685, 25309), (687, 25303), (689, 25291), (707, 25252),

Gene: Zimmer_35 Start: 28186, Stop: 27065, Start Num: 152
Candidate Starts for Zimmer_35:
(112, 28237), (115, 28234), (128, 28216), (Start: 152 @28186 has 2 MA's), (Start: 222 @28066 has 6 MA's), (242, 28021), (263, 27985), (323, 27862), (334, 27838), (343, 27823), (403, 27745), (439, 27667), (450, 27643), (457, 27622), (463, 27604), (483, 27559), (497, 27532), (510, 27514), (517, 27502), (548, 27427), (549, 27421), (559, 27400), (570, 27385), (579, 27367), (600, 27340), (665, 27229), (678, 27181), (685, 27151), (687, 27145), (689, 27133), (707, 27094),

Gene: Zirinka_36 Start: 31303, Stop: 32385, Start Num: 155
Candidate Starts for Zirinka_36:
(Start: 83 @31192 has 6 MA's), (Start: 155 @31303 has 58 MA's), (Start: 189 @31357 has 14 MA's), (258, 31477), (401, 31732), (412, 31762), (440, 31822), (467, 31888), (477, 31912), (670, 32242), (676, 32269), (710, 32374),

Gene: Zizzle_44 Start: 32003, Stop: 33121, Start Num: 158
Candidate Starts for Zizzle_44:
(Start: 158 @32003 has 315 MA's), (235, 32141), (Start: 252 @32174 has 15 MA's), (278, 32222), (329, 32339), (352, 32375), (359, 32384), (412, 32489), (441, 32558), (465, 32618), (471, 32630), (473, 32633), (477, 32645), (483, 32660), (495, 32684), (499, 32690), (514, 32711), (533, 32747),

(535, 32750), (548, 32786), (549, 32792), (553, 32804), (555, 32807), (619, 32891), (629, 32906), (664, 32948), (674, 32993), (677, 33002), (687, 33041), (690, 33059), (703, 33080), (707, 33095), (710, 33104), (712, 33107),

Gene: ZoeJ_43 Start: 33972, Stop: 35072, Start Num: 158
Candidate Starts for ZoeJ_43:
(Start: 158 @33972 has 315 MA's), (167, 33990), (Start: 189 @34023 has 14 MA's), (234, 34098), (Start: 252 @34134 has 15 MA's), (308, 34248), (322, 34272), (352, 34326), (429, 34467), (439, 34491), (440, 34494), (457, 34536), (510, 34644), (553, 34749), (594, 34794), (606, 34809), (688, 35001),

Gene: Zucker_29 Start: 23884, Stop: 24804, Start Num: 256
Candidate Starts for Zucker_29:
(Start: 236 @23842 has 1 MA's), (Start: 256 @23884 has 84 MA's), (334, 24058), (340, 24070), (417, 24217), (421, 24226), (447, 24265), (486, 24334), (491, 24340), (493, 24343), (511, 24373), (531, 24415), (609, 24550), (667, 24646), (671, 24658), (673, 24670), (677, 24685), (679, 24691),

Gene: Zucker_31 Start: 26379, Stop: 25240, Start Num: 158
Candidate Starts for Zucker_31:
(Start: 151 @26388 has 1 MA's), (Start: 158 @26379 has 315 MA's), (278, 26178), (329, 26058), (352, 26022), (360, 26010), (365, 26004), (406, 25911), (412, 25896), (439, 25836), (453, 25806), (477, 25743), (550, 25575), (569, 25545), (626, 25449), (674, 25350), (677, 25341), (681, 25329), (701, 25266),