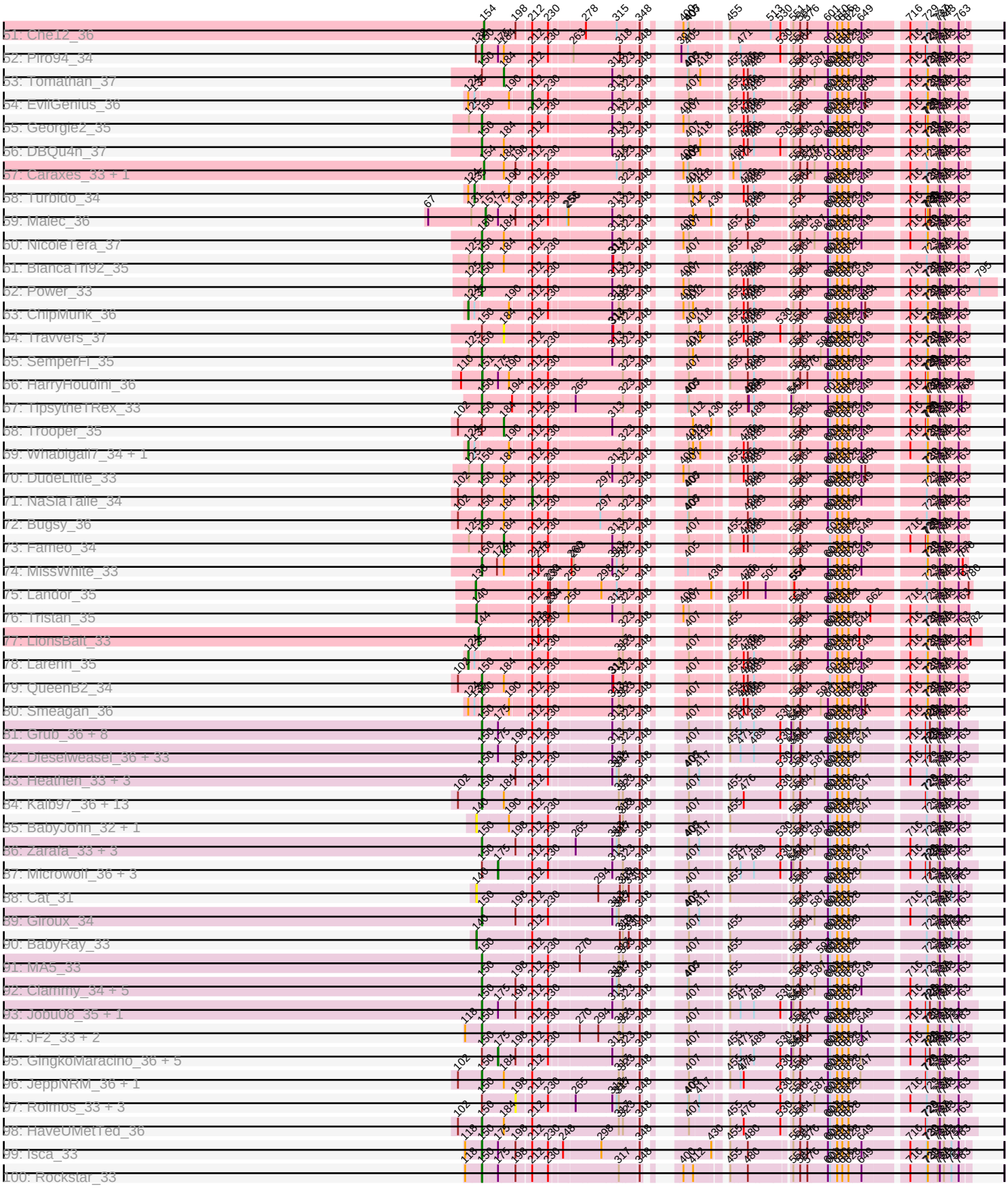
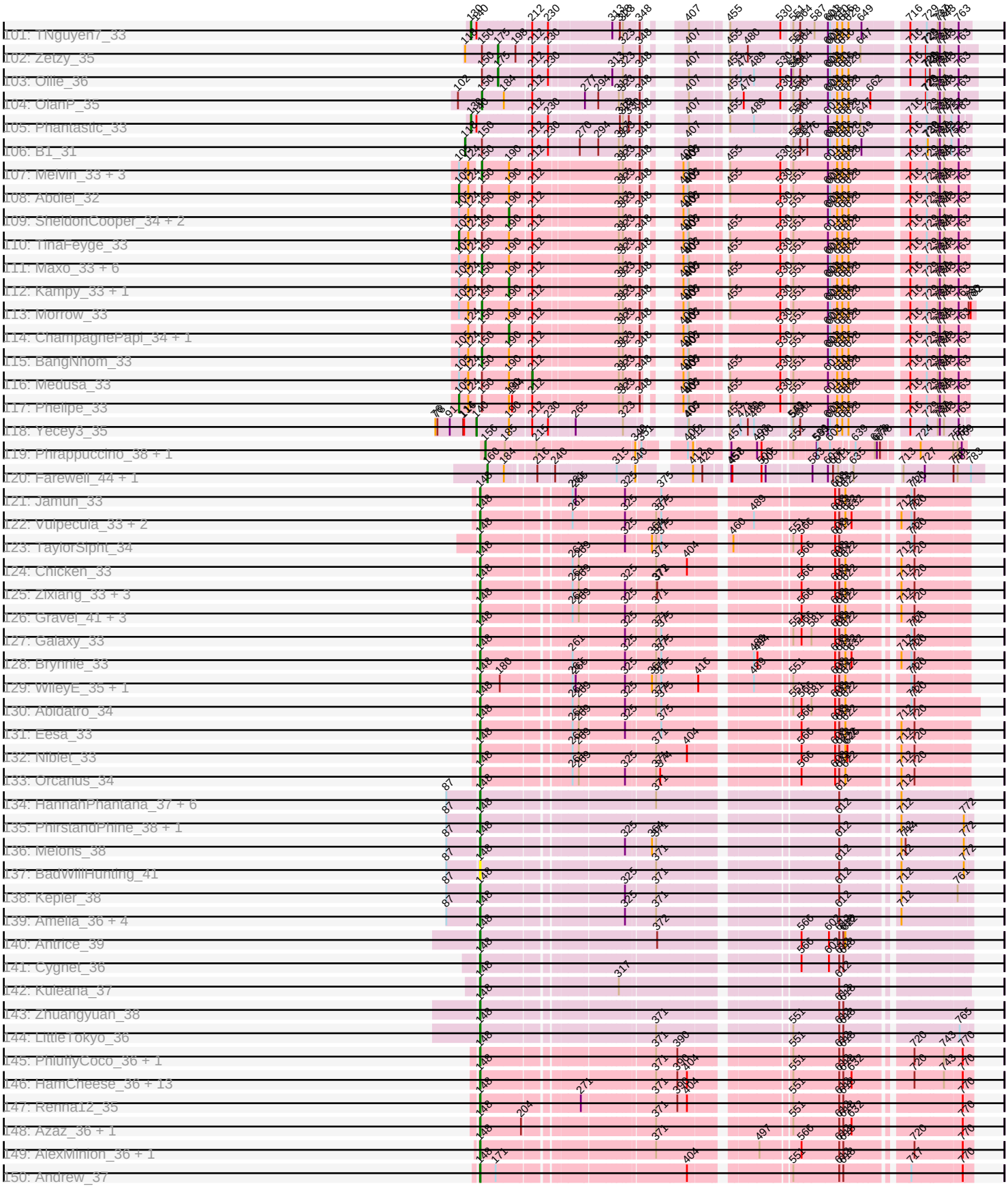
Pham 347026


1: Pharaoh_32
2: Zimmer_35
3: Kimona_30
4: Baehexic_34 + 5
5: Jsquared_34
6: XianYue_35
7: Bactobuster_35
8: Leviathan_35
9: Jerm_35 + 1
10: MajorMajor_34 + 2
11: Pukovnik_35
12: KingCyrus_36
13: QueenBeesly_34 + 1
14: Jaan_37
15: Koduck_34 + 1
16: C3_31
17: Kalpine_35
18: MiculOcigas_34
19: SwirlSquare_34
20: Serenity_34
21: TarsusIV_33
22: Gratitude_35
23: Leogania_35
24: AN9_36 + 4
25: Journey13_31
26: Ph8s_35
27: WeiHuaDA_37
28: HippoHollow_33
29: Trixie_35
30: SnapTap_34 + 2
31: Agape74_35 + 1
32: Pomar16_37
33: Hellalump_35
34: Colin_36
35: Duplo_37
36: Drake55_36
37: Odin_33
38: Naji_37 + 2
39: Acolyte_34
40: Iwokeuplikedis_34
41: Sknot_34
42: Flare16_34
43: Dalmatian_35 + 2
44: JoshKayV_35
45: Adzzy_35
46: IronMan_36
47: Phaded_37
48: GaugeLDP_35
49: NothingSpecial_35
50: Kerberos_37 + 1

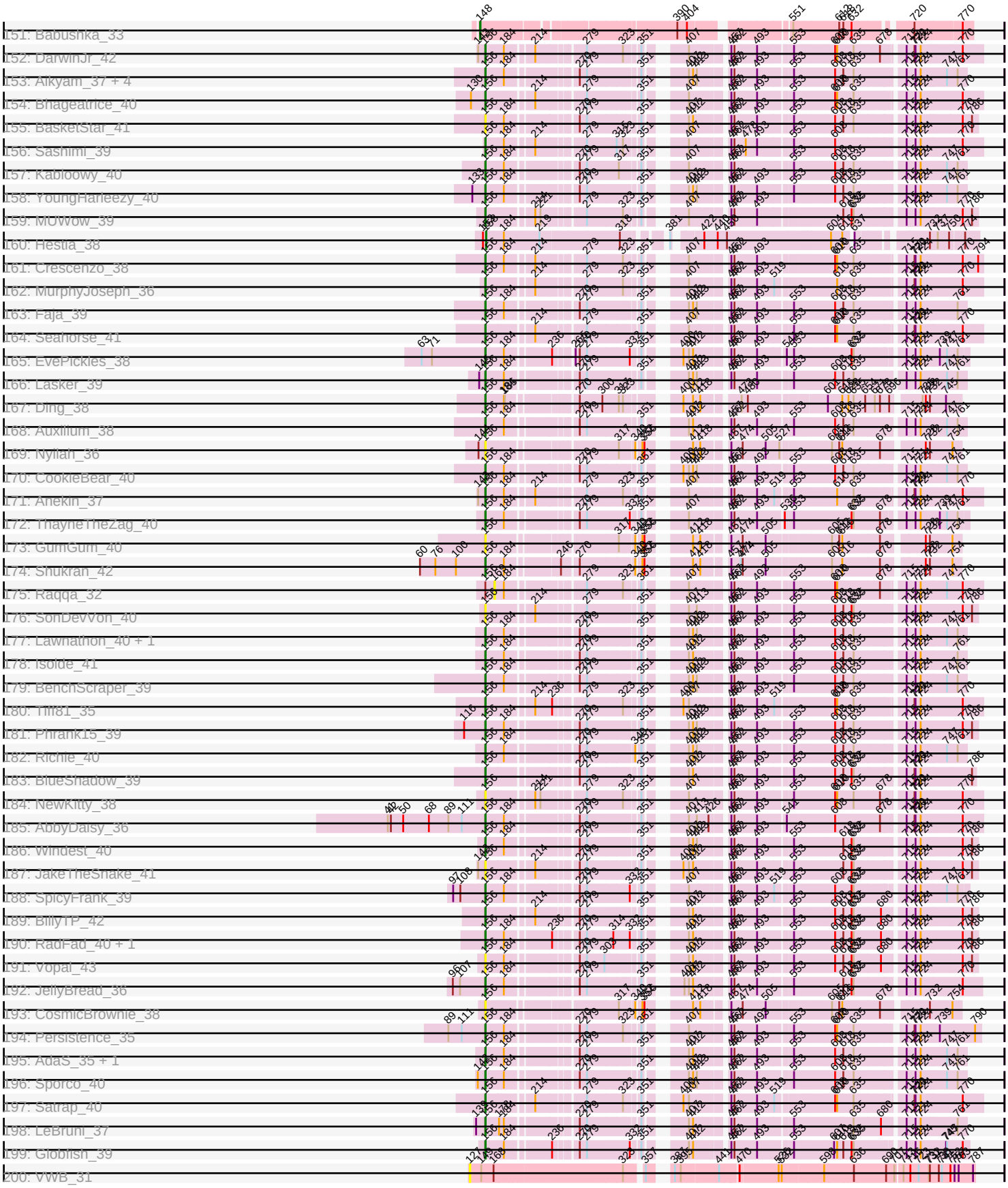
Pham 347026


51: Che12_36
52: Piro94_34
53: Tomathan_37
54: EvilGenius_36
55: Georgie2_35
56: DBQu4n_37
57: Caraxes_33 + 1
58: Turbido_34
59: Malec_36
60: NicoleTera_37
61: BiancaTri92_35
62: Power_33
63: ChipMunk_36
64: Travvers_37
65: SemperFi_35
66: HarryHoudini_36
67: TipsytheTRex_33
68: Trooper_35
69: Whabigail7_34 + 1
70: DudeLittle_33
71: NaSlaTalle_34
72: Bugsy_36
73: Fameo_34
74: MissWhite_33
75: Landor_35
76: Tristan_35
77: LionsBait_33
78: Larenn_35
79: QueenB2_34
80: Smeagan_36
81: Grub_36 + 8
82: DieselWeasel_36 + 33
83: Heathen_33 + 3
84: Kalb97_36 + 13
85: BabyJohn_32 + 1
86: Zarafa_33 + 3
87: Microwolf_36 + 3
88: Cat_31
89: Giroux_34
90: BabyRay_33
91: MA5_33
92: Clammy_34 + 5
93: Jobud8_35 + 1
94: JF2_33 + 2
95: GingkoMaracino_36 + 5
96: JeppiNRM_36 + 1
97: Rolmos_33 + 3
98: HaveUMetTed_36
99: Isca_33
100: Rockstar_33

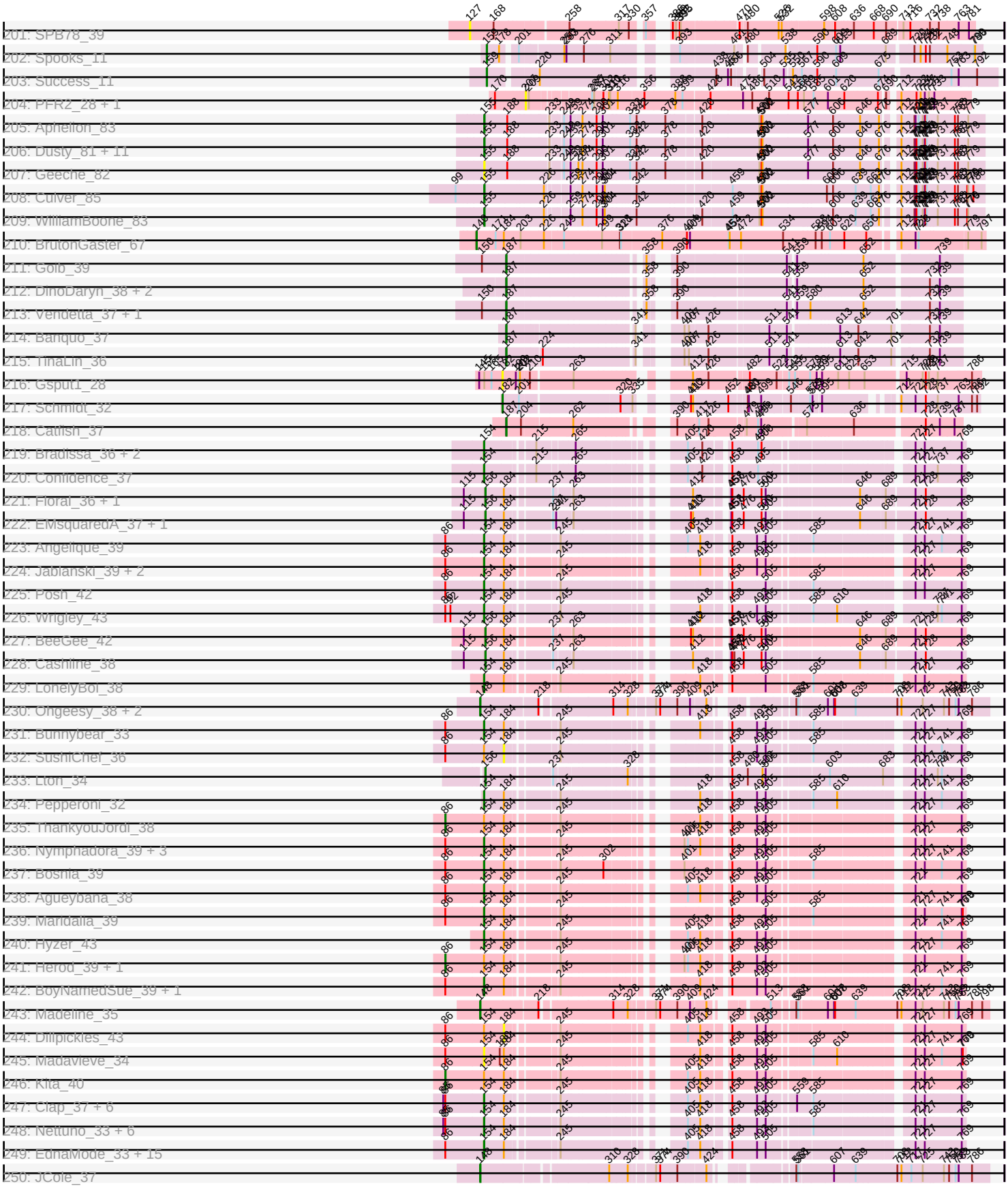
Pham 347026


t01: TNguyen7_33
t02: Zetzy_35
t03: Ollie_36
t04: OlanP_35
t05: Phantastic_33
t06: B1_31
t07: Melvin_33 + 3
t08: Abdiel_32
t09: SheldonCooper_34 + 2
t10: TinaFeyge_33
t11: Maxo_33 + 6
t12: Kampy_33 + 1
t13: Morrow_33
t14: ChampagnePapi_34 + 1
t15: BangNhom_33
t16: Medusa_33
t17: Phelipe_33
t18: Yecey3_35
t19: Phrappuccino_38 + 1
t20: Farewell_44 + 1
t21: Jamun_33
t22: Vulpecula_33 + 2
t23: TaylorSiphit_34
t24: Chicken_33
t25: Zixiang_33 + 3
t26: Gravel_41 + 3
t27: Galaxy_33
t28: Brynnie_33
t29: WileyE_35 + 1
t30: Abidatro_34
t31: Eesa_33
t32: Niblet_33
t33: Orcanus_34
t34: HannahPhantana_37 + 6
t35: PhirstandPhine_38 + 1
t36: Melons_38
t37: BadWillHunting_41
t38: Kepler_38
t39: Amelia_36 + 4
t40: Antrice_39
t41: Cygnet_36
t42: Kuleana_37
t43: Zhuangyuan_38
t44: LittleTokyo_36
t45: PhiffyCoco_36 + 1
t46: HamCheese_36 + 13
t47: Renna12_35
t48: Azaz_36 + 1
t49: AlexMinion_36 + 1
t50: Andrew_37

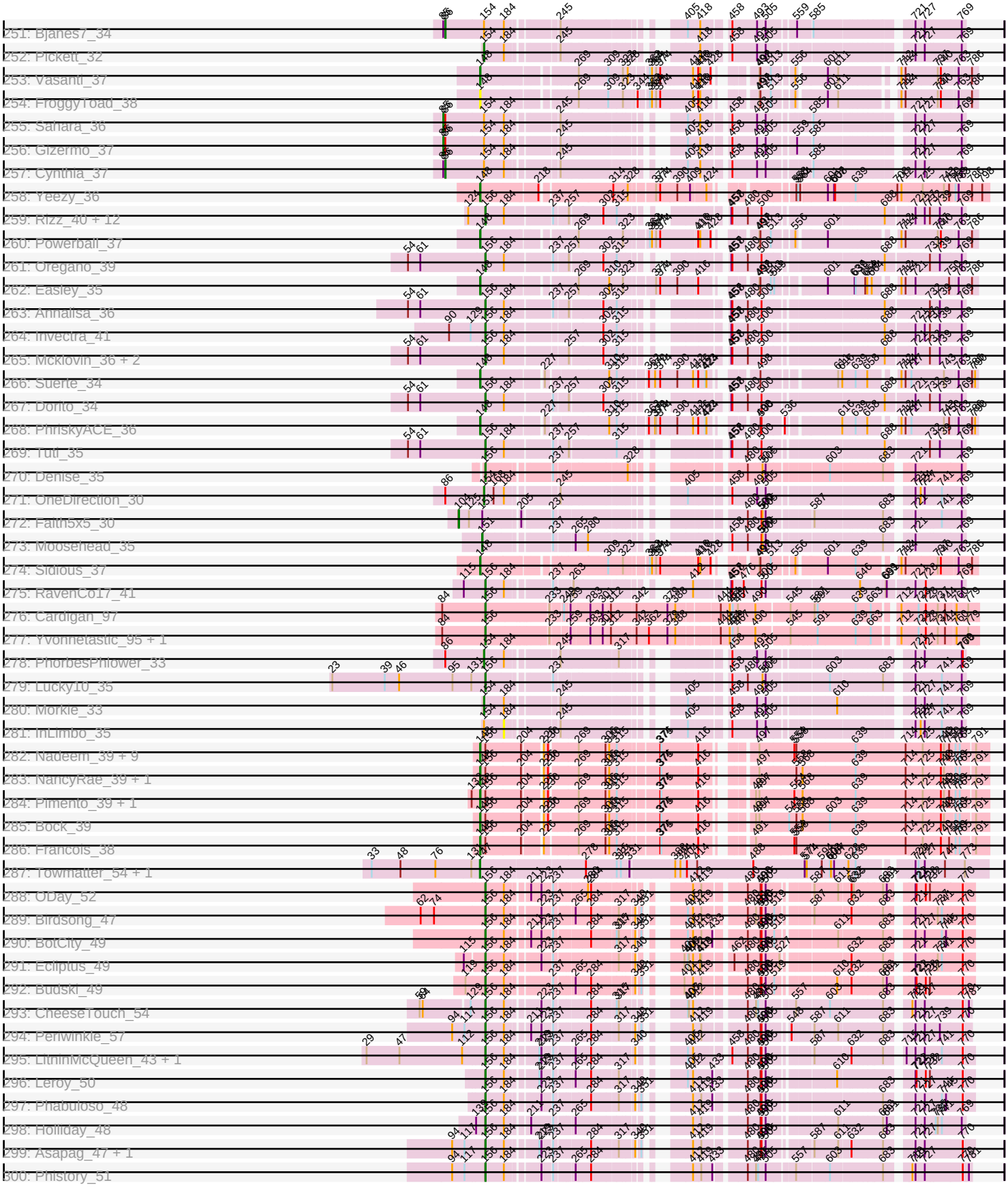
Pham 347026


151: Babushka_33
152: DarwinJr_42
153: Alkyam_37 + 4
154: Bhageatrice_40
155: BasketStar_41
156: Sashimi_39
157: Kabloowy_40
158: YoungHarleezy_40
159: MOWow_39
160: Hestia_38
161: Crescenzo_38
162: MurphyJoseph_36
163: Faja_39
164: Seahorse_41
165: EvePickles_38
166: Lasker_39
167: Ding_38
168: Auxilium_38
169: Nyllah_36
170: CookieBear_40
171: Anekin_37
172: ThayneTheZag_40
173: GumGum_40
174: Shukran_42
175: Raqqa_32
176: SonDevVon_40
177: Lawnathon_40 + 1
178: Isolde_41
179: BenchScraper_39
180: Tiff81_35
181: Phrank15_39
182: Richie_40
183: BlueShadow_39
184: NewKitty_38
185: AbbyDaisy_36
186: Windest_40
187: JakeTheSnake_41
188: SpicyFrank_39
189: BillyTP_42
190: RadFad_40 + 1
191: Vopal_43
192: JellyBread_36
193: CosmicBrownie_38
194: Persistence_35
195: AdaS_35 + 1
196: Sporco_40
197: Satrap_40
198: LeBruni_37
199: Globnish_39
200: VWB_31

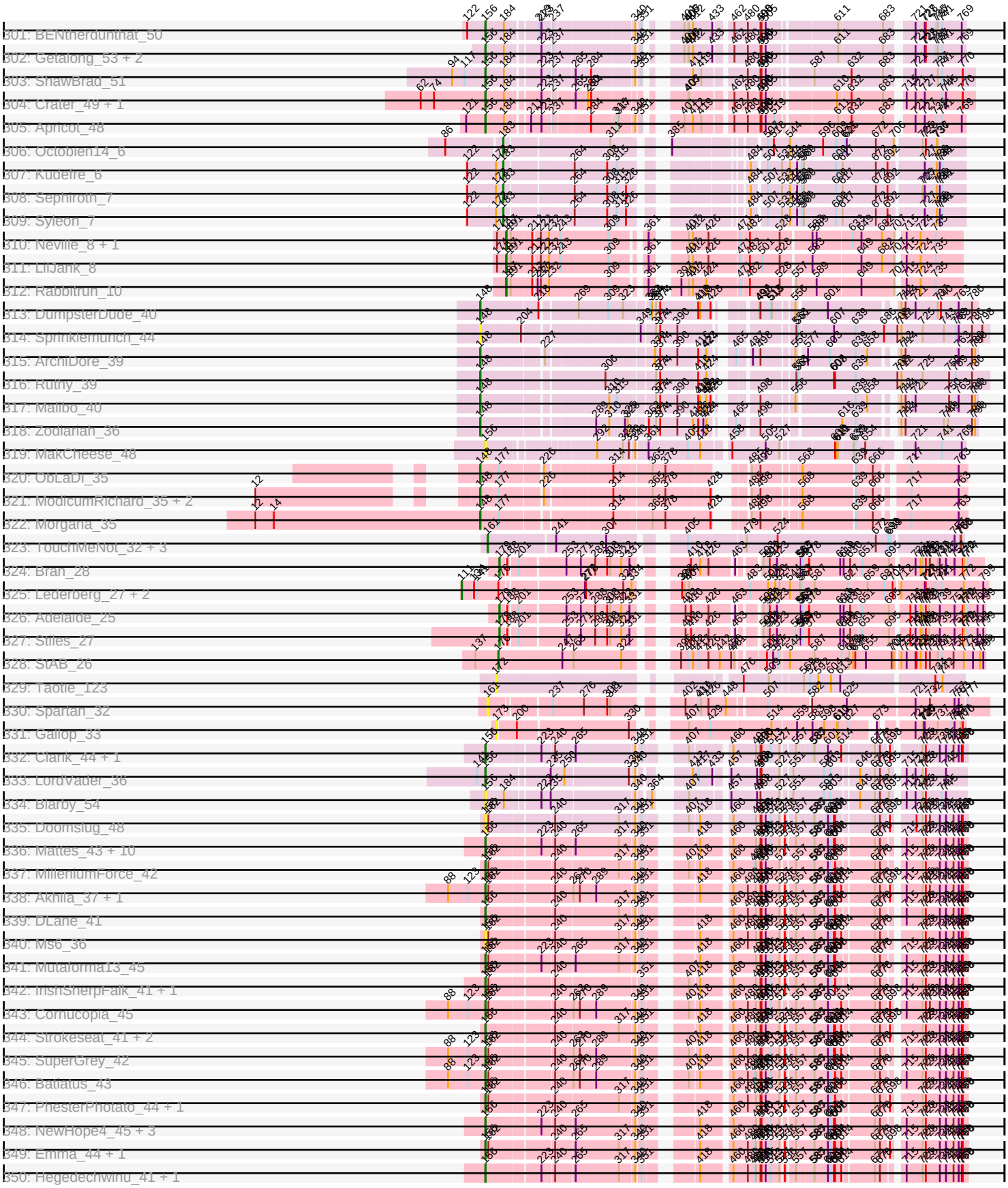
Pham 347026


201: SPB78_39
202: Spooks_11
203: Success_11
204: PFR2_28 + 1
205: Aphelion_83
206: Dusty_81 + 11
207: Geeche_82
208: Culver_85
209: WilliamBoone_83
210: BrutonGaster_67
211: Golb_39
212: DinoDaryn_38 + 2
213: Vendetta_37 + 1
214: Banquo_37
215: TinaLin_36
216: Gsputt1_28
217: Schmidt_32
218: Catfish_37
219: Bradissa_36 + 2
220: Confidence_37
221: Floral_36 + 1
222: EMsquaredA_37 + 1
223: Angelique_39
224: Jablanski_39 + 2
225: Posh_42
226: Wrigley_43
227: BeeGee_42
228: Cashline_38
229: LonelyBoi_38
230: Ohgeesy_38 + 2
231: Bunnybear_33
232: SushiChef_36
233: Lton_34
234: Pepperoni_32
235: ThankyouJordi_38
236: Nymphadora_39 + 3
237: Bosnia_39
238: Agueybana_38
239: Mandalia_39
240: Hyzer_43
241: Herod_39 + 1
242: BoyNamedSue_39 + 1
243: Madeline_35
244: Dillpickles_43
245: Madavieve_34
246: Kita_40
247: Clap_37 + 6
248: Nettuno_33 + 6
249: EdnaMode_33 + 15
250: JCole_37

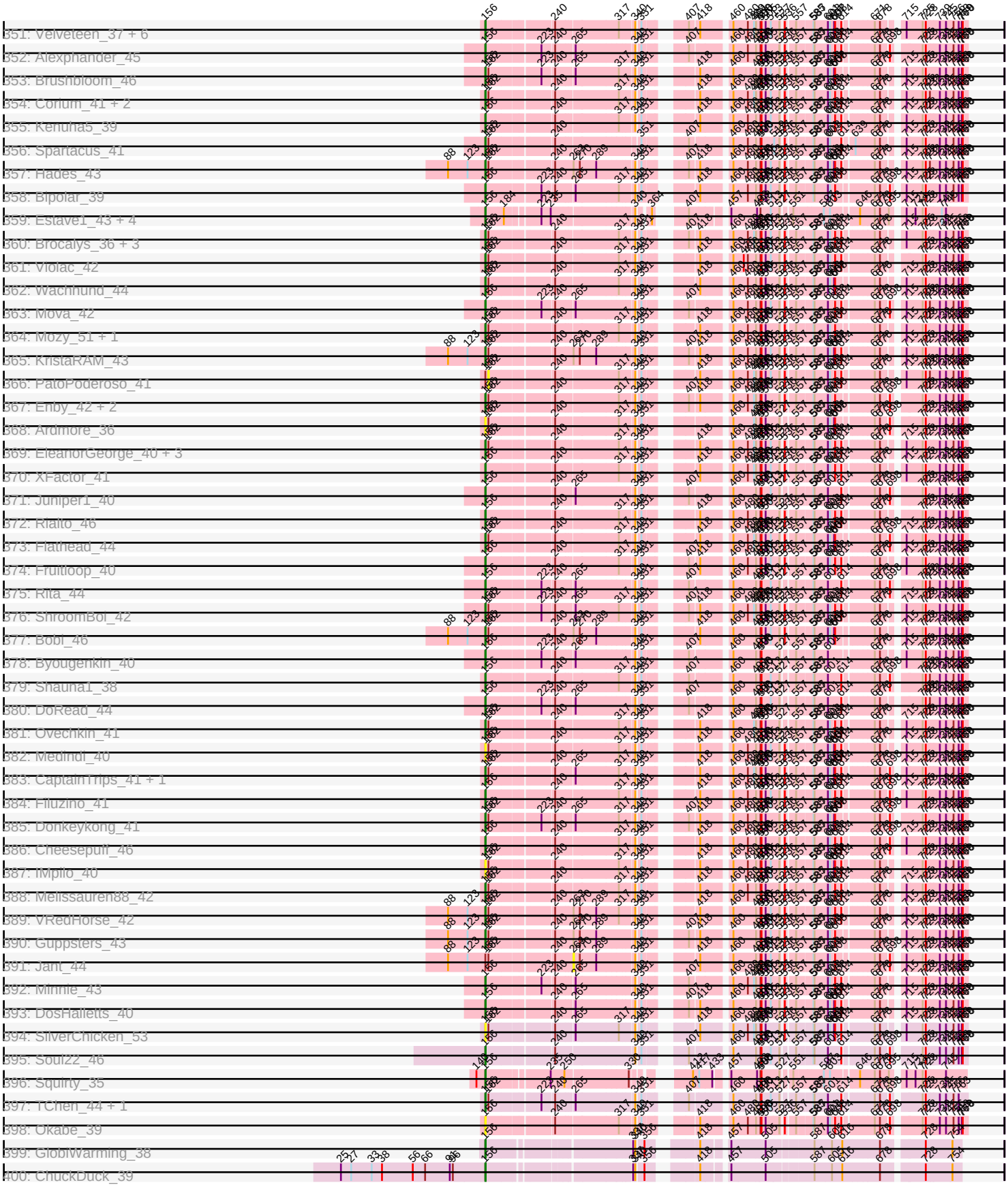
Pham 347026


251: Bjanes7_34
252: Pickett_32
253: Vasanti_37
254: FroggyToad_38
255: Sahara_36
256: Gizermo_37
257: Cynthia_37
258: Yeezy_36
259: Rizz_40 + 12
260: Powerball_37
261: Oregano_39
262: Easley_35
263: Annalisa_36
264: Invectra_41
265: Mcklovin_36 + 2
266: Suerte_34
267: Donto_34
268: PhriskyACE_36
269: Tuti_35
270: Denise_35
271: OneDirection_30
272: Faith5x5_30
273: Moosehead_35
274: Sidious_37
275: RavenC617_41
276: Cardigan_97
277: Yvonnetastic_95 + 1
278: PhorbesPhlower_33
279: Lucky10_35
280: Morkie_33
281: InLimbo_35
282: Nadeem_39 + 9
283: NancyRae_39 + 1
284: Pimento_39 + 1
285: Bock_39
286: Francois_38
287: Towmatter_54 + 1
288: ODay_52
289: Birdsong_47
290: BotCity_49
291: Ecliptus_49
292: Budski_49
293: CheeseTouch_54
294: Periwinkle_57
295: LithiniMcQueen_43 + 1
296: Leroy_50
297: Phabulos0_48
298: Holliday_48
299: Asapag_47 + 1
300: Phistory_51

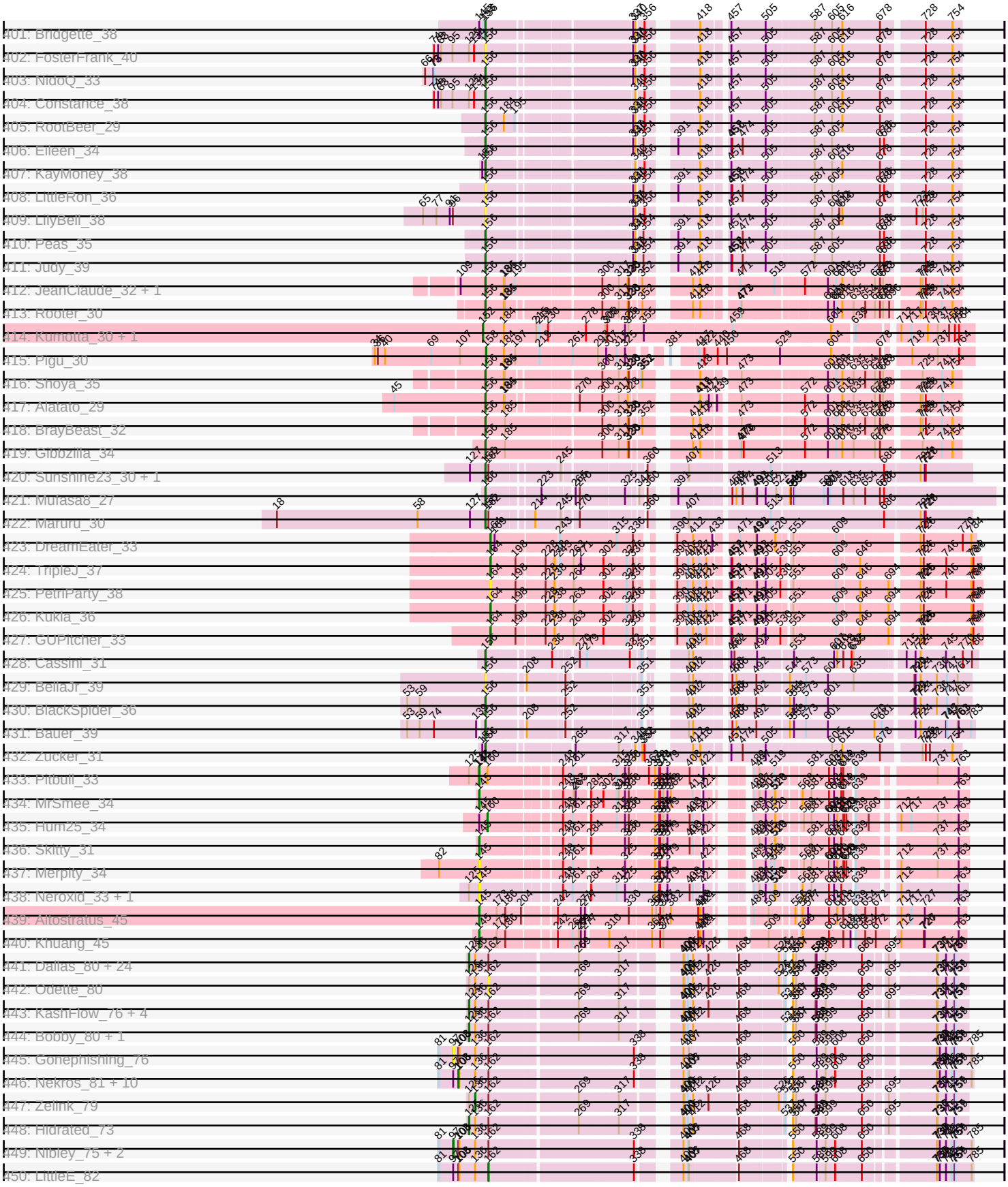
Pham 347026


301: BENtherdunthat_50
302: Getalong_53 + 2
303: ShawBrad_51
304: Crater_49 + 1
305: Apricot_48
306: Octobien14_6
307: Kudeitre_6
308: Sephiroth_7
309: Syleon_7
310: Neville_8 + 1
311: LilJank_8
312: Rabbitrun_10
313: DumpsterDude_40
314: Sprinklemunch_44
315: ArchiDore_39
316: Ruthy_39
317: Malibo_40
318: Zodiarian_36
319: MakCheese_48
320: ObLaDi_35
321: ModicumRichard_35 + 2
322: Morgana_35
323: TouchMeNot_32 + 3
324: Bran_28
325: Lederberg_27 + 2
326: Adelaide_25
327: Stiles_27
328: StAB_26
329: Taotie_123
330: Spartan_32
331: Gallop_33
332: Clank_44 + 1
333: LordVader_36
334: Blarby_54
335: Doomslug_48
336: Mattes_43 + 10
337: MillenniumForce_42
338: Akhila_37 + 1
339: DLane_41
340: Ms6_36
341: Mutaforma13_45
342: IrishSherpFalk_41 + 1
343: Cornucopia_45
344: Strokeseat_41 + 2
345: SuperGrey_42
346: Ballatus_43
347: PhesterPhotato_44 + 1
348: NewHope4_45 + 3
349: Emma_44 + 1
350: Hegedechwinu_41 + 1

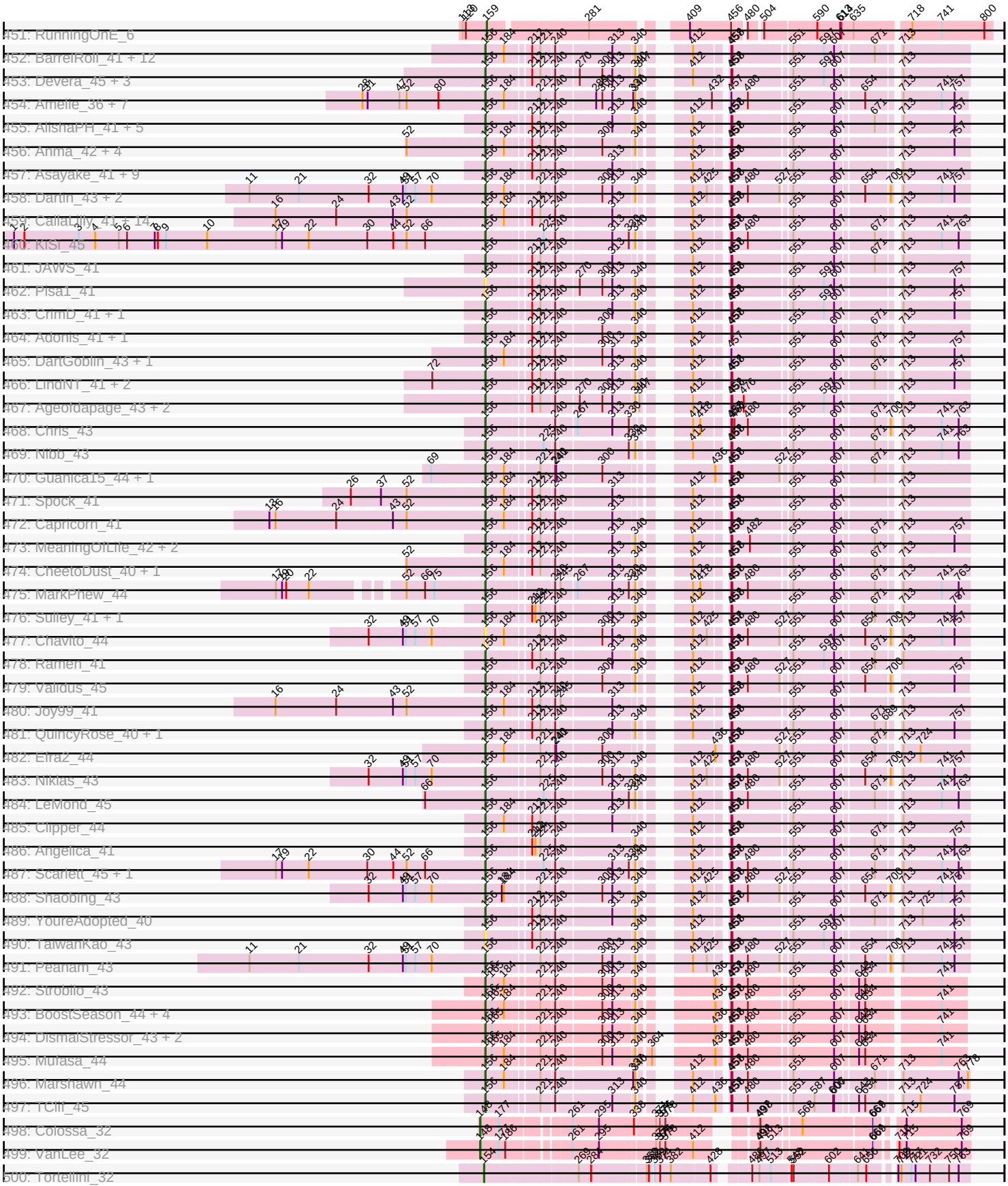
Pham 347026


351: Velveteen_37 + 6
352: Alexphander_45
353: Brushbloom_46
354: Corium_41 + 2
355: Kenuna5_39
356: Spartacus_41
357: Hades_43
358: Bipolar_39
359: Estave1_43 + 4
360: Brocalys_36 + 3
361: Violac_42
362: Wachhund_44
363: Mova_42
364: Mozy_51 + 1
365: KristaRAM_43
366: PatoPoderoso_41
367: Enby_42 + 2
368: Ardmore_36
369: EleanorGeorge_40 + 3
370: XFactor_41
371: Juniper1_40
372: Rialto_46
373: Flathead_44
374: Fruitloop_40
375: Rita_44
376: ShroomBoi_42
377: Bobi_46
378: Byougenkin_40
379: Shauna1_38
380: DoRead_44
381: Ovechkin_41
382: Medindi_40
383: CaptainTrips_41 + 1
384: Filuzino_41
385: Donkeykong_41
386: Cheesepuff_46
387: IMplio_40
388: Melissaauren88_42
389: VRedHorse_42
390: Guppsters_43
391: Jant_44
392: Minnie_43
393: DosHalletts_40
394: SilverChicken_53
395: Soul22_46
396: Squirty_35
397: TChen_44 + 1
398: Okabe_39
399: GlobiWarming_38
400: ChuckDuck_39

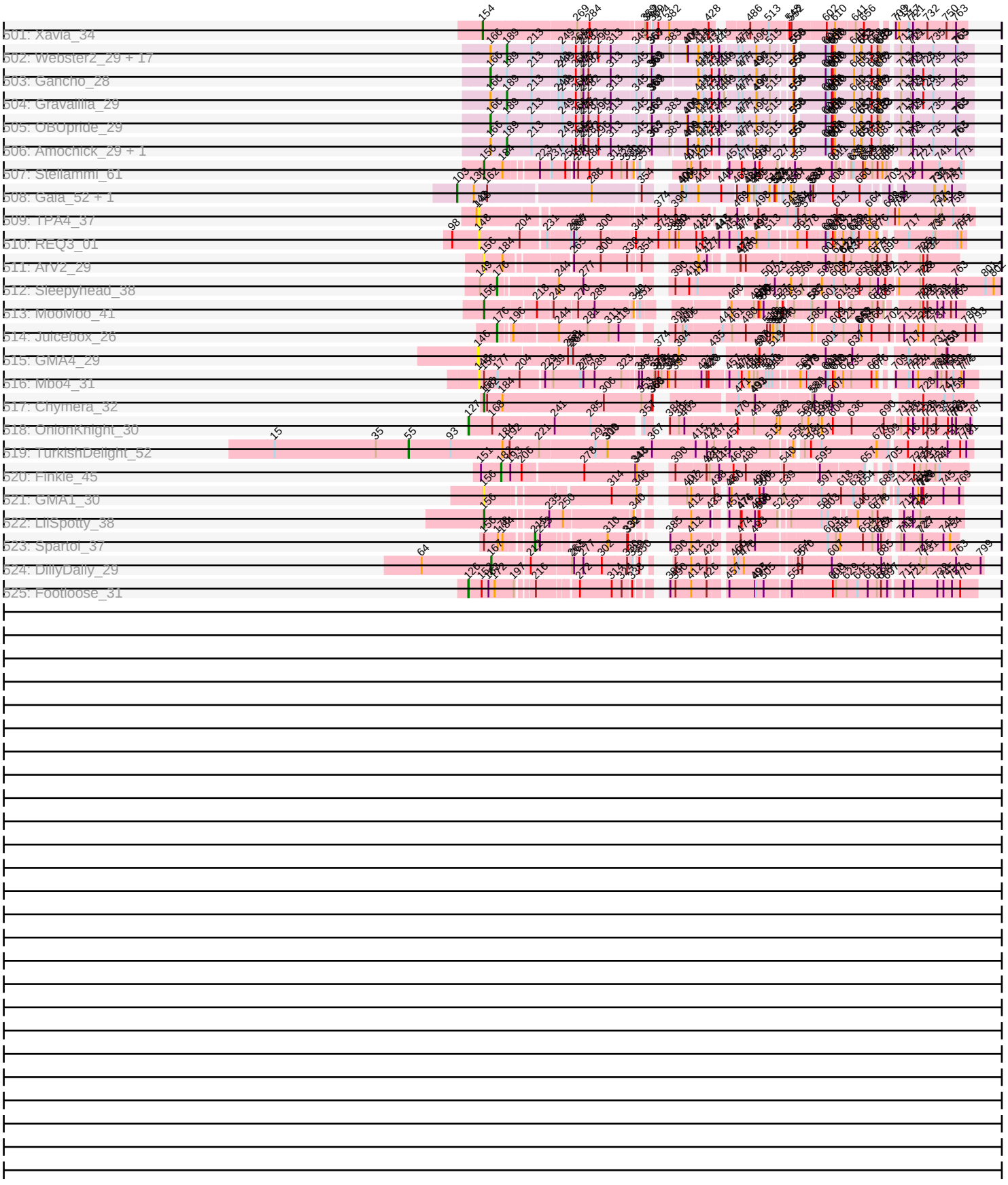
Pham 347026


401: Bridgette_38
402: FosterFrank_40
403: NidoQ_33
404: Constance_38
405: RootBeer_29
406: Eileen_34
407: KayMoney_38
408: LittleRon_36
409: LilyBell_38
410: Peas_35
411: Judy_39
412: JeanClaude_32 + 1
413: Rooter_30
414: Kumotta_30 + 1
415: Pigu_30
416: Shoya_35
417: Alatato_29
418: BrayBeast_32
419: Gibbzilla_34
420: Sunshine23_30 + 1
421: Mufasa8_27
422: Maruru_30
423: DreamEater_33
424: TripleJ_37
425: PetriParty_38
426: Kukla_36
427: GOPitcher_33
428: Cassini_31
429: BellaJr_39
430: BlackSpider_36
431: Bauer_39
432: Zucker_31
433: Pitbull_33
434: MrSmee_34
435: Hum25_34
436: Skitty_31
437: Merpity_34
438: Neroxid_33 + 1
439: Altostratus_45
440: Khuang_45
441: Dallas_80 + 24
442: Odette_80
443: KashFlow_76 + 4
444: Bobby_80 + 1
445: Gonephishing_76
446: Nekros_81 + 10
447: Zellnk_79
448: Hidrated_73
449: Nibley_75 + 2
450: LittleE_82

Pham 347026


451: RunningOnE_6
452: BarrelRoll_41 + 12
453: Devera_45 + 3
454: Amelie_36 + 7
455: AlishaPH_41 + 5
456: Anma_42 + 4
457: Asayake_41 + 9
458: Darlin_43 + 2
459: Callatilly_41 + 14
460: KiSi_45
461: JAWS_41
462: Pisa1_41
463: ChimD_41 + 1
464: Adonis_41 + 1
465: DartGoblin_43 + 1
466: LindNT_41 + 2
467: Ageoldapage_43 + 2
468: Chris_43
469: Nibb_43
470: Guanica15_44 + 1
471: Spock_41
472: Capricorn_41
473: MeaningOfLife_42 + 2
474: CheetoDust_40 + 1
475: MarkPhew_44
476: Sulley_41 + 1
477: Chavito_44
478: Ramen_41
479: Validus_45
480: Joy99_41
481: QuincyRose_40 + 1
482: Elra2_44
483: Niklas_43
484: LeMond_45
485: Clipper_44
486: Angelica_41
487: Scarlett_45 + 1
488: Shaobing_43
489: YoureAdopted_40
490: TaiwanKao_43
491: Peaham_43
492: Strobilo_43
493: BoostSeason_44 + 4
494: DismalStressor_43 + 2
495: Mufasa_44
496: Marshawn_44
497: TCliff_45
498: Colossa_32
499: VanLee_32
500: Tortellini_32

Pham 347026


501: Xavia_34
502: Webster2_29 + 17
503: Gancho_28
504: Gravalilla_29
505: OBOpride_29
506: Amochick_29 + 1
507: Stellammi_61
508: Gala_52 + 1
509: TPA4_37
510: REQ3_01
511: ArV2_29
512: Sleepyhead_38
513: MooMoo_41
514: Juicebox_26
515: GMA4_29
516: Mbo4_31
517: Chymera_32
518: OnionKnight_30
519: TurkishDelight_52
520: Finkie_45
521: GMA1_30
522: LilSpotty_38
523: Spartoi_37
524: DillyDally_29
525: 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 347026 Report

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

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 347026 has 967 members, 101 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_35, Updawg_35, Equemioh13_35, Centaur_35
- Track 5 : Jsquared_34
- Track 6 : XianYue_35
- Track 7 : Bactobuster_35
- Track 8 : Leviathan_35
- Track 9 : Jerm_35, Dignity_35
- Track 10 : MajorMajor_34, Bradman_34, Quokka_33
- Track 11 : Pukovnik_35
- Track 12 : KingCyrus_36
- Track 13 : QueenBeesly_34, FiringLine_34
- Track 14 : Jaan_37
- Track 15 : Koduck_34, L5_33
- Track 16 : C3_31
- Track 17 : Kalpine_35
- Track 18 : MiculUcigas_34
- Track 19 : SwirlSquare_34
- Track 20 : Serenity_34
- Track 21 : TarsusIV_33
- Track 22 : Gratitude_35
- Track 23 : Leogania_35
- Track 24 : AN9_36, VC3_36, ANI8_36, AN3_33, VA6_33
- Track 25 : Journey13_31
- Track 26 : Ph8s_35
- Track 27 : WeiHuaDA_37
- 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 : Colin_36
• Track 35 : Duplo_37
• Track 36 : Drake55_36
• Track 37 : Odin_33
• Track 38 : Naji_37, D29_33, D32_37
• Track 39 : Acolyte_34
• Track 40 : Iwokeuplikedis_34
• Track 41 : Sknot_34
• Track 42 : Flare16_34
• Track 43 : Dalmatian_35, Anselm_35, Retro23_35
• Track 44 : JoshKayV_35
• Track 45 : Adzzy_35
• Track 46 : IronMan_36
• Track 47 : Phaded_37
• Track 48 : GaugeLDP_35
• Track 49 : NothingSpecial_35
• Track 50 : Kerberos_37, StarStuff_37
• Track 51 : Che12_36
• Track 52 : Piro94_34
• Track 53 : Tomathan_37
• Track 54 : EvilGenius_36
• Track 55 : Georgie2_35
• Track 56 : DBQu4n_37
• Track 57 : Caraxes_33, Superchunk_33
• Track 58 : Turbido_34
• Track 59 : Malec_36
• Track 60 : NicoleTera_37
• Track 61 : BiancaTri92_35
• Track 62 : Power_33
• Track 63 : ChipMunk_36
• Track 64 : Travvers_37
• Track 65 : SemperFi_35
• Track 66 : HarryHoudini_36
• Track 67 : TipsytheTRex_33
• Track 68 : Trooper_35
• Track 69 : Whabigail7_34, LilTurb_34
• Track 70 : DudeLittle_33
• Track 71 : NaSiaTalie_34
• Track 72 : Bugsy_36
• Track 73 : Fameo_34
• Track 74 : MissWhite_33
• Track 75 : Landor_35
• Track 76 : Tristan_35
• Track 77 : LionsBait_33
• Track 78 : Larenn_35
• Track 79 : QueenB2_34
• Track 80 : Smeagan_36
• Track 81 : Grub_36, DaHudson_36, GtownJaz_36, Aglet_36, Pembroke_36, Watson_36, Lowa_36, Wooldri_38, PGHhamlin_38
• Track 82 : Dieselweasel_36, MuchMore_38, Colbster_36, Vix_36, Grum1_36, JHC117_36, Grif_36, Penny1_36, EpicPhail_36, LBerry_36, Tiffany_36, AugsMagnumOpus_38, Mainiac_36, Cullens_36, Snickers_36, Bigflo_36, Anubis_38,

Phoebe_36, P28Green_36, Beauxregard13_36, MoneyMay_36, Marie_36, Sabinator_36, Hercules11_36, StepMih_36, MadMarie_36, Croquant_37, PotatoSplit_37, SoYo_36, BreSam8_36, LugYA_38, Stagni_36, Sabia_36, MarQuardt_36
• Track 83 : Heathen_33, Kachowdy_33, HelDan_33, Puppy_34
• Track 84 : Kalb97_36, Reba_36, Manu_36, Marius_36, Groupthink_36, Kalnoky_36, ClownCar_35, Phranny_36, PurpleHaze_35, Pawn_35, Heliosoles_35, PhishRPhriends_34, Calvinny_35, 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 : Cat_31
• Track 89 : Giroux_34
• Track 90 : BabyRay_33
• Track 91 : MA5_33
• Track 92 : Clammy_34, SaturnRing_33, BlueBird_34, Idleandcovert_33, Bugatti_34, Pistachio_34
• Track 93 : Jobu08_35, SoilDragon_35
• Track 94 : JF2_33, MK4_33, JF4_33
• Track 95 : GingkoMaracino_36, Fernando_36, Taurus_36, JenCasNa_36, Montavir_35, Gwennie_36
• Track 96 : JeppNRM_36, ACFishhook_35
• Track 97 : Roimos_33, Goose1X_33, Marchesa_33, Shep_33
• Track 98 : HaveUMetTed_36
• Track 99 : Isca_33
• Track 100 : Rockstar_33
• Track 101 : TNguyen7_33
• Track 102 : Zetzy_35
• Track 103 : Ollie_36
• Track 104 : OlanP_35
• Track 105 : Phantastic_33
• Track 106 : B1_31
• Track 107 : Melvin_33, TroyPia_33, BellusTerra_33, Commander_33
• Track 108 : Abdiel_32
• Track 109 : SheldonCooper_34, Obama12_34, Cerulean_34
• Track 110 : TinaFeyge_33
• Track 111 : Maxo_33, Eurydice_33, Eagle_32, Ohfah_33, Sparxx_33, Nebs_33, Polymorphads_33
• Track 112 : Kampy_33, LeoAvram_33
• Track 113 : Morrow_33
• Track 114 : ChampagnePapi_34, LHTSCC_34
• Track 115 : BangNhom_33
• Track 116 : Medusa_33
• Track 117 : Phelipe_33
• Track 118 : Yecey3_35
• Track 119 : Phrappuccino_38, Settecandela_38
• Track 120 : Farewell_44, Sparky_45
• Track 121 : Jamun_33
• Track 122 : Vulpecula_33, Basilisk_34, Ruchi_33
• Track 123 : TaylorSipht_34
• Track 124 : Chicken_33
• Track 125 : Zixiang_33, KendraB23_42, Shen_31, Amanises_36
• Track 126 : Gravel_41, Toad24_36, Pelletreau_41, Westrich_40

• Track 127 : Galaxy_33
• Track 128 : Brynnie_33
• Track 129 : WileyE_35, Chickaboom_35
• Track 130 : Abidatro_34
• Track 131 : Eesa_33
• Track 132 : Niblet_33
• Track 133 : Orcanus_34
• Track 134 : HannahPhantana_37, Bedetta_40, Pineda_38, Cote_38, Coral_36, OtsoOtso_37, Polka_36
• Track 135 : PhirstandPhine_38, Lunar_38
• Track 136 : Melons_38
• Track 137 : BadWillHunting_41
• Track 138 : Kepler_38
• Track 139 : Amelia_36, Damocles_40, Jerole_37, Daob_38, Colusalem_37
• Track 140 : Antrice_39
• Track 141 : Cygnet_36
• Track 142 : Kuleana_37
• Track 143 : Zhuangyuan_38
• Track 144 : LittleTokyo_36
• Track 145 : PhluffyCoco_36, Rattail_36
• Track 146 : HamCheese_36, Atlantica_36, RedFox_36, Amphitrite_36, AmiCi24_35, DanHam62_36, AdoptaAdorbs_35, KHumphrey_36, Fingolfin_36, Juno112_35, Laphuphu24k_34, Camara_36, Oppalora_35, Glotell_37
• Track 147 : Renna12_35
• Track 148 : Azaz_36, Leona_35
• Track 149 : AlexMinion_36, StuartMinion_28
• Track 150 : Andrew_37
• Track 151 : Babushka_33
• Track 152 : DarwinJr_42
• Track 153 : Aikyam_37, MaterMagnus_40, Gorpy_41, Raphaella_40, Sakai_40
• Track 154 : Bhageatrice_40
• Track 155 : BasketStar_41
• Track 156 : Sashimi_39
• Track 157 : Kabloowy_40
• Track 158 : YoungHarleezy_40
• Track 159 : MUWow_39
• Track 160 : Hestia_38
• Track 161 : Crescenzo_38
• Track 162 : MurphyJoseph_36
• Track 163 : Faja_39
• Track 164 : Seahorse_41
• Track 165 : EvePickles_38
• Track 166 : Lasker_39
• Track 167 : Ding_38
• Track 168 : Auxilium_38
• Track 169 : Nyilah_36
• Track 170 : CookieBear_40
• Track 171 : Anekin_37
• Track 172 : ThayneTheZag_40
• Track 173 : GumGum_40
• Track 174 : Shukran_42
• Track 175 : Raqqa_32
• Track 176 : SonDevVon_40

• Track 177 : Lawnathon_40, Mapleville_39
• Track 178 : Isolde_41
• Track 179 : BenchScraper_39
• Track 180 : Tiff81_35
• Track 181 : Phrank15_39
• Track 182 : Richie_40
• Track 183 : BlueShadow_39
• Track 184 : NewKitty_38
• Track 185 : AbbyDaisy_36
• Track 186 : Windest_40
• Track 187 : JakeTheSnake_41
• Track 188 : SpicyFrank_39
• Track 189 : BillyTP_42
• Track 190 : RadFad_40, Hillester_40
• Track 191 : Vopal_43
• Track 192 : JellyBread_36
• Track 193 : CosmicBrownie_38
• Track 194 : Persistence_35
• Track 195 : AdaS_35, MidnightRain_42
• Track 196 : Sporco_40
• Track 197 : Satrap_40
• Track 198 : LeBruni_37
• Track 199 : Globfish_39
• Track 200 : VWB_31
• Track 201 : SPB78_39
• Track 202 : Spooks_11
• Track 203 : Success_11
• Track 204 : PFR2_28, PFR1_26
• Track 205 : Aphelion_83
• Track 206 : Dusty_81, Bachita_85, Miskis_76, Abscondus_83, Norvs_84, Smoothie_85, PhinkBoden_83, Cucurbita_85, Toniann_84, ClubL_83, Lozinak_84, Engineer_85
• Track 207 : Geeche_82
• Track 208 : Culver_85
• Track 209 : WilliamBoone_83
• Track 210 : BrutonGaster_67
• Track 211 : Goib_39
• Track 212 : DinoDaryn_38, TZGordon_39, Huffy_38
• Track 213 : Vendetta_37, Splinter_37
• Track 214 : Banquo_37
• Track 215 : TinaLin_36
• Track 216 : Gsput1_28
• Track 217 : Schmidt_32
• Track 218 : Catfish_37
• Track 219 : Bradissa_36, EnalisNailo_35, Lilas_38
• Track 220 : Confidence_37
• Track 221 : Floral_36, Pollux_38
• Track 222 : EMsquaredA_37, Marteena_36
• Track 223 : Angelique_39
• Track 224 : Jablanski_39, WelcomeAyanna_38, Pytheas_39
• Track 225 : Posh_42
• Track 226 : Wrigley_43
• Track 227 : BeeGee_42

• Track 228 : Cashline_38
• Track 229 : LonelyBoi_38
• Track 230 : Ohgeesy_38, BaxterFox_37, PantheRoc_37
• Track 231 : Bunnybear_33
• Track 232 : SushiChef_36
• Track 233 : Lton_34
• Track 234 : Pepperoni_32
• Track 235 : ThankyouJordi_38
• Track 236 : Nymphadora_39, Hugley_36, Eviarto_39, TimTam_39
• Track 237 : Bosnia_39
• Track 238 : Agueybana_38
• Track 239 : Maridalia_39
• Track 240 : Hyzer_43
• Track 241 : Herod_39, BatStarr_39
• Track 242 : BoyNamedSue_39, AlumE_39
• Track 243 : Madeline_35
• Track 244 : Dillpickles_43
• Track 245 : Madavieve_34
• Track 246 : Kita_40
• Track 247 : Clap_37, GemG_37, Mocha12_37, Ebert_39, Lamberg_33, Haley23_37, Yinzer_36
• Track 248 : Nettuno_33, Savage_37, Matteo_30, Jalleen_36, Sproutie_37, TuertoX_37, Whiteclaw_37
• Track 249 : EdnaMode_33, Attis_34, Eudoria_39, Neobush_39, Suscepit_39, Bialota_37, Zameen_39, Zirinka_36, Antonio_39, Tayonia_39, Manasvini_39, SoilAssassin_34, LordFarquaad_35, Polly_36, Trumpet_39, Yeet412_34
• Track 250 : JCole_37
• Track 251 : Bjanes7_34
• Track 252 : Pickett_32
• Track 253 : Vasanti_37
• Track 254 : FroggyToad_38
• Track 255 : Sahara_36
• Track 256 : Gizermo_37
• Track 257 : Cynthia_37
• Track 258 : Yeezy_36
• Track 259 : Rizz_40, Adora_37, Samman98_40, Dolores_40, WinkNick_41, Howe_40, Shlim410_38, Clark_39, Sekhmet_40, MichaelScott_40, Hortense_40, Beenie_33, Twinkle_39
• Track 260 : Powerball_37
• Track 261 : Oregano_39
• Track 262 : Easley_35
• Track 263 : Annalisa_36
• Track 264 : Invectra_41
• Track 265 : Mcklovin_36, Thimann_36, DobbysSock_31
• Track 266 : Suerte_34
• Track 267 : Dorito_34
• Track 268 : PhriskyACE_36
• Track 269 : Tuti_35
• Track 270 : Denise_35
• Track 271 : OneDirection_30
• Track 272 : Faith5x5_30
• Track 273 : Moosehead_35
• Track 274 : Sidious_37

• Track 275 : RavenCo17_41
• Track 276 : Cardigan_97
• Track 277 : Yvonnetastic_95, JonJames_97
• Track 278 : PhorbesPhlower_33
• Track 279 : Lucky10_35
• Track 280 : Morkie_33
• Track 281 : InLimbo_35
• Track 282 : Nadeem_39, Brylie_39, Mulch_39, Ayotoya_39, Hamood_39, Chop_39, GrandSlam_39, SussRoloMann_39, Parada_39, WheatThin_39
• Track 283 : NancyRae_39, BetterKatz_39
• Track 284 : Pimento_39, DelRio_40
• Track 285 : Bock_39
• Track 286 : Francois_38
• Track 287 : Towmatter_54, Daredevil_54
• Track 288 : ODay_52
• Track 289 : Birdsong_47
• Track 290 : BotCity_49
• Track 291 : Ecliptus_49
• Track 292 : Budski_49
• Track 293 : CheeseTouch_54
• Track 294 : Periwinkle_57
• Track 295 : LitninMcQueen_43, Kamaru_44
• Track 296 : Leroy_50
• Track 297 : Phabuloso_48
• Track 298 : Holliday_48
• Track 299 : Asapag_47, Frickyeah_52
• Track 300 : Phistory_51
• Track 301 : BENtherdunthat_50
• Track 302 : Getalong_53, Kenna_49, Lutum_50
• Track 303 : ShawBrad_51
• Track 304 : Crater_49, Horus_48
• Track 305 : Apricot_48
• Track 306 : Octobien14_6
• Track 307 : Kudefre_6
• Track 308 : Sephiroth_7
• Track 309 : Syleon_7
• Track 310 : Neville_8, Trax_8
• Track 311 : LilJank_8
• Track 312 : Rabbitrun_10
• Track 313 : DumpsterDude_40
• Track 314 : Sprinklemunch_44
• Track 315 : ArchiDore_39
• Track 316 : Ruthy_39
• Track 317 : Malibo_40
• Track 318 : Zodiariah_36
• Track 319 : MakCheese_48
• Track 320 : ObLaDi_35
• Track 321 : ModicumRichard_35, Aleemily_34, Cafasso_35
• Track 322 : Morgana_35
• Track 323 : TouchMeNot_32, Poushou_32, Colleen_32, Arianna_32
• Track 324 : Bran_28
• Track 325 : Lederberg_27, Troy_27, SamW_27
• Track 326 : Adelaide_25

• Track 327 : Stiles_27
• Track 328 : StAB_26
• Track 329 : Taotie_123
• Track 330 : Spartan_32
• Track 331 : Gallop_33
• Track 332 : Clank_44, SimranZ1_43
• Track 333 : LordVader_36
• Track 334 : Blarby_54
• Track 335 : Doomslug_48
• Track 336 : Mattes_43, SwagPigglett_45, Saal_43, Gorge_43, DRBy19_43, Jennelsea_37, BobaPhett_43, Zizzle_44, Philus_43, Whatsapiecost_41, James_43
• Track 337 : MilleniumForce_42
• Track 338 : Akhila_37, MilanaBonita_37
• Track 339 : DLane_41
• Track 340 : Ms6_36
• Track 341 : Mutaforma13_45
• Track 342 : IrishSherpFalk_41, WillSterrel_41
• Track 343 : Cornucopia_45
• Track 344 : Strokeseat_41, Mandlovu_40, Hlubikazi_41
• Track 345 : SuperGrey_42
• Track 346 : Batiatus_43
• Track 347 : PhesterPhotato_44, Phalconet_41
• Track 348 : NewHope4_45, Enzomatic_49, Polo2Bam_48, SeaLumen_48
• Track 349 : Emma_44, Moonbeam_41
• Track 350 : Hegedechwinu_41, Juice456_44
• Track 351 : Velveteen_37, Kingsley_38, Sarma624_38, Brookers_39, Cerasum_38, Coco12_40, BigPhil_38
• Track 352 : Alexphander_45
• Track 353 : Brushbloom_46
• Track 354 : Corium_41, KingJulian_42, Phanphagia_37
• Track 355 : Kenuha5_39
• Track 356 : Spartacus_41
• Track 357 : Hades_43
• Track 358 : Bipolar_39
• Track 359 : Estave1_43, DeadP_46, Wee_46, Renaud18_46, Taj_45
• Track 360 : Brocalys_36, Clifton_35, LastJedi_34, Pippy_38
• Track 361 : Violac_42
• Track 362 : Wachhund_44
• Track 363 : Mova_42
• Track 364 : Mozy_51, StAnnes_42
• Track 365 : KristaRAM_43
• Track 366 : PatoPoderoso_41
• Track 367 : Enby_42, Lorde_42, SG4_40
• Track 368 : Ardmore_36
• Track 369 : EleanorGeorge_40, Beakin_43, LunaBlu_46, Galactic_43
• Track 370 : XFactor_41
• Track 371 : Juniper1_40
• Track 372 : Rialto_46
• Track 373 : Flathead_44
• Track 374 : Fruitloop_40
• Track 375 : Rita_44
• Track 376 : ShroomBoi_42
• Track 377 : Bobi_46

• Track 378 : Byougenkin_40
• Track 379 : Shauna1_38
• Track 380 : DoRead_44
• Track 381 : Ovechkin_41
• Track 382 : Medindi_40
• Track 383 : CaptainTrips_41, MinionDave_43
• Track 384 : Filuzino_41
• Track 385 : Donkeykong_41
• Track 386 : Cheesepuff_46
• Track 387 : IMpilo_40
• Track 388 : Melissauren88_42
• Track 389 : VRedHorse_42
• Track 390 : Guppsters_43
• Track 391 : Jant_44
• Track 392 : Minnie_43
• Track 393 : DosHalletts_40
• Track 394 : SilverChicken_53
• Track 395 : Soul22_46
• Track 396 : Squirty_35
• Track 397 : TChen_44, LunaStella_42
• Track 398 : Okabe_39
• Track 399 : GlobiWarming_38
• Track 400 : ChuckDuck_39
• Track 401 : Bridgette_38
• Track 402 : FosterFrank_40
• Track 403 : NidoQ_33
• Track 404 : Constance_38
• Track 405 : RootBeer_29
• Track 406 : Eileen_34
• Track 407 : KayMoney_38
• Track 408 : LittleRon_36
• Track 409 : LilyBell_38
• Track 410 : Peas_35
• Track 411 : Judy_39
• Track 412 : JeanClaude_32, Sarge_28
• Track 413 : Rooter_30
• Track 414 : Kumotta_30, MargaretKali_30
• Track 415 : Pigu_30
• Track 416 : Shoya_35
• Track 417 : Alatato_29
• Track 418 : BrayBeast_32
• Track 419 : Gibbzilla_34
• Track 420 : Sunshine23_30, Sonali_29
• Track 421 : Mufasa8_27
• Track 422 : Maruru_30
• Track 423 : DreamEater_33
• Track 424 : TripleJ_37
• Track 425 : PetriParty_38
• Track 426 : Kukla_36
• Track 427 : GUPitcher_33
• Track 428 : Cassini_31
• Track 429 : BellaJr_39
• Track 430 : BlackSpider_36

• Track 431 : Bauer_39
• Track 432 : Zucker_31
• Track 433 : Pitbull_33
• Track 434 : MrSmee_34
• Track 435 : Hum25_34
• Track 436 : Skitty_31
• Track 437 : Merpity_34
• Track 438 : Neroxid_33, Raya_33
• Track 439 : Altostratus_45
• Track 440 : Khuang_45
• Track 441 : Dallas_80, NihilNomen_82, Halley_83, BAKA_86, Phoebus_84, Yeet_76, ThreeRngTarjay_79, Kalah2_76, Redno2_78, Beem_81, Dove_67, Hughesyang_81, Optimus_79, Wanda_85, Bombitas_71, Duke13_85, Minerva_84, JuicyJay_79, Bagrid_82, EricMillard_80, DmpstrDiver_82, Pound_82, Klein_81, HokkenD_73, Schatzie_77
• Track 442 : Odette_80
• Track 443 : KashFlow_76, Constella_68, Ejimix_81, Xiaokay_72, Thibault_69
• Track 444 : Bobby_80, Marleymoo_72
• Track 445 : Gonephishing_76
• Track 446 : Nekros_81, Shaboozey_79, Courthouse_82, MiaZeal_87, Hannaconda_75, BronnyJames_80, Omega_85, Ariel_86, Lucky2013_84, Porcelain_86, Squint_87
• Track 447 : Zelink_79
• Track 448 : Hidrated_73
• Track 449 : Nibley_75, Rearden_78, Superphikiman_84
• Track 450 : LittleE_82
• Track 451 : RunningOnE_6
• Track 452 : BarrelRoll_41, TruffulaTree_41, Adephagia_41, Atiba_41, ActinUp_41, Slimphazie_41, Tachez_41, Padpat_42, HedwigODU_41, Jayhawk_42, Rapunzel97_41, Veliki_41, Emerson_42
• Track 453 : Devera_45, Dole_44, Illumine_44, Stinson_42
• Track 454 : Amelie_36, Biglebops_36, Torres_39, LilPharaoh_36, SgtBeansprout_36, Nutello_36, Nikao_39, Enkosi_39
• Track 455 : AlishaPH_41, Beezoo_43, Tiri_42, Pokerus_40, Geraldini_43, Apocalypse_44
• Track 456 : Anma_42, TiniBug_42, DrHayes_42, SamuelLPlaqson_42, Urkel_42
• Track 457 : Asayake_41, BEEST_41, Hyperbowlee_41, Durfee_41, Padfoot_41, Blizzard_41, CaseJules_42, ShiaSurprise_42, Boiiii_41, Piatt_41
• Track 458 : Dartin_43, McMater_43, Richo_43
• Track 459 : CallaLilly_41, Lunahalos_41, CREW_41, Topper_41, Dalmuri_41, Rosmarinus_41, Belladonna_41, Homura_41, Inky_41, Jeckyll_41, Peel_41, Llorens_41, BGlluviae_41, Jarvi_41, Twitch_41
• Track 460 : KiSi_45
• Track 461 : JAWS_41
• Track 462 : Pisa1_41
• Track 463 : CrimD_41, Megsy_42
• Track 464 : Adonis_41, Anaya_43
• Track 465 : DartGoblin_43, Bella96_42
• Track 466 : LindNT_41, TreyKay_42, Prithvi_42
• Track 467 : Ageofdapage_43, LaterM_42, Murucutumbu_42
• Track 468 : Chris_43
• Track 469 : Nibb_43
• Track 470 : Guanica15_44, Yunkel11_44

• Track 471 : Spock_41
• Track 472 : Capricorn_41
• Track 473 : MeaningOfLife_42, Zavala_42, Mynx_42
• Track 474 : CheetoDust_40, BaghaKamala_40
• Track 475 : MarkPhew_44
• Track 476 : Sulley_41, Deby_41
• Track 477 : Chavito_44
• Track 478 : Ramen_41
• Track 479 : Validus_45
• Track 480 : Joy99_41
• Track 481 : QuincyRose_40, Ganymede_42
• Track 482 : Efra2_44
• Track 483 : Niklas_43
• Track 484 : LeMond_45
• Track 485 : Clipper_44
• Track 486 : Angelica_41
• Track 487 : Scarlett_45, Oscar_45
• Track 488 : Shaobing_43
• Track 489 : YoureAdopted_40
• Track 490 : TaiwanKao_43
• Track 491 : Peanam_43
• Track 492 : Strobilo_43
• Track 493 : BoostSeason_44, Findley_43, Doughnut_44, Milly_43, ZoeJ_43
• Track 494 : DismalStressor_43, Marcoliusprime_43, DismalFunk_43
• Track 495 : Mufasa_44
• Track 496 : Marshawn_44
• Track 497 : TClif_45
• Track 498 : Colossa_32
• Track 499 : VanLee_32
• Track 500 : Tortellini_32
• Track 501 : Xavia_34
• Track 502 : Webster2_29, Amymech_29, Giles_29, LilHazelnut_29, Forge_29, Kinbote_29, BloominB_29, DeepSoil15_29, Hadrien_29, Evanesce_29, HH92_29, Wishmaker_29, Ein37_29, Dewey_29, Luna22_29, Luke_29, Hail_29, Ubuntu_29
• Track 503 : Gancho_28
• Track 504 : Gravaillia_29
• Track 505 : OBUpride_29
• Track 506 : Amochick_29, Daegal_30
• Track 507 : Stellammi_61
• Track 508 : Gaia_52, Nebkiss_56
• Track 509 : TPA4_37
• Track 510 : REQ3_01
• Track 511 : ArV2_29
• Track 512 : Sleepyhead_38
• Track 513 : MooMoo_41
• Track 514 : Juicebox_26
• Track 515 : GMA4_29
• Track 516 : Mbo4_31
• Track 517 : Chymera_32
• Track 518 : OnionKnight_30
• Track 519 : TurkishDelight_52
• Track 520 : Finkle_45
• Track 521 : GMA1_30

• Track 522 : LilSpotty_38
• Track 523 : Spartoi_37
• Track 524 : DillyDally_29
• Track 525 : 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 156, it was called in 344 of the 866 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_42, 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, Cardigan_97, 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_38, CrimD_41, DLane_41, DRBy19_43, Dalmuri_41, DartGoblin_43, Dartin_43, DarwinJr_42, DeadP_46, Deby_41, Denise_35, Devera_45, Ding_38, 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_34, 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, JakeTheSnake_41, James_43, Jarvi_41, Jayhawk_42, JeanClaude_32, Jeckyll_41, JellyBread_36, Jennelsea_37, JonJames_97, 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_37, LeMond_45, Leroy_50, LilPharaoh_36, LilSpotty_38, LilyBell_38, LindNT_41, LitninMcQueen_43, LittleRon_36, Llorens_41, LordVader_36, Lorde_42, Lton_34, Lucky10_35, LunaBlu_46, LunaStella_42, Lunahalos_41, Lutum_50, MUWow_39, MakCheese_48, Mandlovu_40, Mapleville_39, 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, Okabe_39, 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, Rizz_40, RootBeer_29, Rooter_30, Rosmarinus_41, SG4_40, Saal_43, Sakai_40, Samman98_40, SamuelLPlaqson_42, Sarge_28, Sarma624_38, Sashimi_39, Satrap_40, Scarlett_45, SeaLumen_48, 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, Sporco_40, Squirty_35, StAnnes_42, Stellammi_61, Stinson_42, Strobilo_43, Strokeseat_41, Sulley_41, Sunshine23_30, 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_35, 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, Yvonnetastic_95, Zavala_42, Zizzle_44, ZoeJ_43, Zucker_31,

Genes that have the "Most Annotated" start but do not call it:
• Ayotoya_39, BetterKatz_39, Bock_39, Brylie_39, Chop_39, DelRio_40, Francois_38, GrandSlam_39, Hamood_39, Jant_44, Mbo4_31, Mulch_39, Nadeem_39, NancyRae_39, Parada_39, PatoPoderoso_41, Pimento_39, Raqqa_32, Spartoi_37, SussRoloMann_39, WheatThin_39,

Genes that do not have the "Most Annotated" start:
• ACFishhook_35, AN3_33, AN9_36, ANI8_36, AbbyPaige_35, Abdiel_32, Abidatro_34, Abscondus_83, Acolyte_34, Adelaide_25, AdoptaAdorbs_35, Adzzy_35, Agape74_35, Aglet_36, Agueybana_38, Aleemily_34, AlexMinion_36, Altostratus_45, AlumE_39, Amanises_36, Amelia_36, AmiCi24_35, Amochick_29, Amphitrite_36, Amymech_29, Andrew_37, Angelique_39, Anselm_35, Antonio_39, Antrice_39, Anubis_38, Aphelion_83, ArchiDore_39, Arianna_32, Ariel_86, Atlantica_36, Attis_34, AugsMagnumOpus_38, Azaz_36, B1_31, BAKA_86, Babushka_33, BabyJohn_32, BabyRay_33, Bachita_85, Bactobuster_35, BadWillHunting_41, Baehexic_34, Bagrid_82, BangNhom_33, Banquo_37, Basilisk_34, BatStarr_39, BaxterFox_37, Beauxregard13_36, Bedetta_40, Beem_81, BellusTerra_33, Bialota_37, BiancaTri92_35, Bigflo_36, Bjanes7_34, BloominB_29, BlueBird_34, Bobby_80, Bombitas_71, Bosnia_39, BoyNamedSue_39, Bradissa_36, Bradman_34, Bran_28, BreSam8_36, BronnyJames_80, BrutonGaster_67, Brynnie_33, Bugatti_34, Bugsy_36, Bunnybear_33, C3_31, Cafasso_35, Calvinny_35, Camara_36, Caraxes_33, Cat_31, Catfish_37, Centaur_35, Cerulean_34, ChampagnePapi_34, Che12_36, Chickaboom_35, Chicken_33, ChipMunk_36, Chiqui_32, Clammy_34, Clap_37, ClownCar_35, ClubL_83, Colbster_36, Colin_36, Colleen_32, Colossa_32,

Colusalem_37, Commander_33, Confidence_37, Constella_68, Coral_36, Cote_38, Courthouse_82, Croquant_37, Crucio_34, Cucurbita_85, Cullens_36, Culver_85, Cygnet_36, Cynthia_37, D29_33, D32_37, DBQu4n_37, DaHudson_36, Daegal_30, Dallas_80, Dalmatian_35, Damocles_40, DanHam62_36, Daob_38, Daredevil_54, DeepSoil15_29, Dewey_29, Dieselweasel_36, Dignity_35, Dillpickles_43, DillyDally_29, DinoDaryn_38, DmpstrDiver_82, Dove_67, Drake55_36, DreamEater_33, DropBear_33, DudeLittle_33, Duke13_85, DumpsterDude_40, Duplo_37, Dusty_81, Eagle_32, Easley_35, Ebert_39, EdnaMode_33, Eesa_33, Ein37_29, Ejimix_81, EnalisNailo_35, Engineer_85, 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, Fingolfin_36, Finkle_45, FiringLine_34, Flare16_34, Footloose_31, Forge_29, Fred313_33, FroggyToad_38, GMA4_29, GUPitcher_33, Gaia_52, Galaxy_33, Gallop_33, Gancho_28, GaugeLDP_35, Geeche_82, GemG_37, Gemma_35, Georgie2_35, Giles_29, GingkoMaracino_36, Giroux_34, Gizermo_37, Glotell_37, Goib_39, Gonephishing_76, Goose1X_33, Gratitude_35, Gravaillia_29, Gravel_41, Grif_36, Groupthink_36, Grub_36, Grum1_36, Gsput1_28, GtownJaz_36, Gwennie_36, HH92_29, Hadrien_29, Hail_29, Haley23_37, Halley_83, HamCheese_36, Hannaconda_75, HannahPhantana_37, HarryHoudini_36, HaveUMetTed_36, Heathen_33, Heffalump_35, HelDan_33, Heliosoles_35, Hercules11_36, Herod_39, Hestia_38, Hidrated_73, HippoHollow_33, HokkenD_73, Huffy_38, Hughesyang_81, Hugley_36, Hum25_34, Hyzer_43, Idleandcovert_33, InLimbo_35, IronMan_36, Isca_33, Iwokeuplikedis_34, JCole_37, JF2_33, JF4_33, JHC117_36, Jaan_37, Jablanski_39, Jalleen_36, Jamun_33, JenCasNa_36, JeppNRM_36, Jerm_35, Jerole_37, Jobu08_35, JoshKayV_35, Journey13_31, Jsquared_34, Juicebox_26, JuicyJay_79, Juno112_35, KHumphrey_36, Kachowdy_33, Kalah2_76, Kalb97_36, Kalnoky_36, Kalpine_35, Kampy_33, KashFlow_76, KendraB23_42, Kepler_38, Kerberos_37, Khuang_45, Kimona_30, Kinbote_29, KingCyrus_36, Kita_40, Klein_81, Koduck_34, Kudefre_6, Kukla_36, Kuleana_37, Kumotta_30, L5_33, LBerry_36, LHTSCC_34, Lamberg_33, Landor_35, Laphuphu24k_34, Larenn_35, Lederberg_27, LeoAvram_33, Leogania_35, Leona_35, Leviathan_35, LilHazelnut_29, LilJank_8, LilTurb_34, Lilas_38, Lilith_36, LionsBait_33, LittleE_82, LittleTokyo_36, LonelyBoi_38, LordFarquaad_35, Lowa_36, Lozinak_84, Lucky2013_84, LugYA_38, Luke_29, Luna22_29, Lunar_38, MA5_33, MK4_33, MadMarie_36, Madavieve_34, Madeline_35, Mainiac_36, MajorMajor_34, Malec_36, Malibo_40, Malinsilva_38, Manasvini_39, Manu_36, MarQuardt_36, Marchesa_33, MargaretKali_30, Maridalia_39, Marie_36, Marius_36, Marleymoo_72, Matteo_30, Maxo_33, Medusa_33, Melons_38, Melvin_33, Merpity_34, MiaZeal_87, Microwolf_36, MiculUcigas_34, Minerva_84, Miskis_76, MissWhite_33, Mocha12_37, ModicumRichard_35, MoneyMay_36, Montavir_35, Moosehead_35, Morgana_35, Morkie_33, Morrow_33, MrSmee_34, MuchMore_38, NaSiaTalie_34, Naji_37, Nebkiss_56, Nebs_33, Nekros_81, Neobush_39, Neroxid_33, Nettuno_33, Neville_8, Niblet_33, Nibley_75, NicoleTera_37, NihilNomen_82, Norvs_84, NothingSpecial_35, Nymphadora_39, OBUpride_29, ObLaDi_35, Obama12_34, Octobien14_6, Odette_80, Odin_33, Ohfah_33, Ohgeesy_38, OlanP_35, Ollie_36, Omega_85, OneDirection_30, OnionKnight_30, Oppalora_35, Optimus_79, Orcanus_34, OtsoOtso_37, P28Green_36, PFR1_26, PFR2_28, PGHhamlin_38, PantheRoc_37, Pawn_35, Pelletreau_41, Pembroke_36, Penny1_36, Pepperoni_32, PetriParty_38, Ph8s_35, Phaded_37, Phantastic_33, Pharaoh_32, Phelipe_33, PhinkBoden_83, PhirstandPhine_38, PhishRPhriends_34, PhluffyCoco_36, Phoebe_36, Phoebus_84, PhorbesPhlower_33, Phranny_36, PhriskyACE_36, Pickett_32, Pigu_30, Pineda_38, Piro94_34, Pistachio_34, Pitbull_33, Polka_36, Polly_36, Polymorphads_33, Pomar16_37, Porcelain_86, Posh_42, PotatoSplit_37, Pound_82, Poushou_32,

Power_33, Powerball_37, Pukovnik_35, Puppy_34, PurpleHaze_35, Pytheas_39, QueenB2_34, QueenBeesly_34, Quokka_33, REQ3_01, Rabbitrun_10, Rattail_36, Raya_33, Rearden_78, Reba_36, RedFox_36, Redno2_78, Renna12_35, Retro23_35, Rockstar_33, Roimos_33, Ruchi_33, RunningOnE_6, Ruthy_39, SPB78_39, Sabia_36, Sabinator_36, Sahara_36, SamW_27, SaturnRing_33, Savage_37, Schatzie_77, Schmidt_32, Scout_33, SemperFi_35, Sephiroth_7, Serenity_34, Shaboozey_79, SheldonCooper_34, Shen_31, Shep_33, Sidious_37, Skitty_31, Sknot_34, Sleepyhead_38, Smeagan_36, Smoothie_85, SnapTap_34, Snickers_36, SoYo_36, SoilAssassin_34, SoilDragon_35, Sparky_45, Spartan_32, Sparxx_33, Splinter_37, Spooks_11, Sprinklemunch_44, Sproutie_37, Squint_87, StAB_26, Stagni_36, StarStuff_37, StepMih_36, Stiles_27, StuartMinion_28, Success_11, Suerte_34, Superchunk_33, Superphikiman_84, Suscepit_39, SushiChef_36, SweetiePie_34, SwirlSquare_34, Syleon_7, TNguyen7_33, TPA4_37, TZGordon_39, Taotie_123, TarsusIV_33, Taurus_36, TaylorSipht_34, Tayonia_39, Terrific_35, ThankyouJordi_38, Thibault_69, ThreeRngTarjay_79, Tiffany_36, TimTam_39, TinaFeyge_33, TinaLin_36, TipsytheTRex_33, Toad24_36, Tomathan_37, Toniann_84, Tortellini_32, TouchMeNot_32, Towmatter_54, Travvers_37, Trax_8, TripleJ_37, Tristan_35, Trixie_35, Trooper_35, TroyPia_33, Troy_27, Trumpet_39, TuertoX_37, Turbido_34, TurkishDelight_52, Ubuntu_29, Updawg_35, VA6_33, VC3_36, VWB_31, VanLee_32, Vasanti_37, Vendetta_37, Vix_36, Vulpecula_33, Wanda_85, Watson_36, Webster2_29, WeiHuaDA_37, WelcomeAyanna_38, Westrich_40, Whabigail7_34, Whiteclaw_37, WideWale_35, WileyE_35, WilliamBoone_83, Wishmaker_29, Wooldri_38, Wrigley_43, Xavia_34, XianYue_35, Xiaokay_72, Yecey3_35, Yeet412_34, Yeet_76, Yeezy_36, Yinzer_36, Zameen_39, Zarafa_33, Zelink_79, Zetzy_35, Zhuangyuan_38, Zimmer_35, Zirinka_36, Zixiang_33, Zodiariah_36,

Summary by start number:

Start 55:
• Found in 1 of 967 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TurkishDelight_52 (singleton),

Start 85:
• Found in 18 of 967 (1.9%) of genes in pham
• Manual Annotations of this start: 2 of 866
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Gizermo_37 (CZ2), Sahara_36 (CZ2),

Start 86:
• Found in 60 of 967 (6.2%) of genes in pham
• Manual Annotations of this start: 6 of 866
• Called 10.0% 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 97:
• Found in 17 of 967 (1.8%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 23.5% of time when present

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

Start 102:
• Found in 34 of 967 (3.5%) of genes in pham
• Manual Annotations of this start: 2 of 866
• Called 5.9% of time when present
• Phage (with cluster) where this start called: GaugeLDP_35 (A2), Sknot_34 (A2),

Start 103:
• Found in 18 of 967 (1.9%) of genes in pham
• Manual Annotations of this start: 10 of 866
• Called 72.2% 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 104:
• Found in 1 of 967 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faith5x5_30 (CZ6),

Start 105:
• Found in 23 of 967 (2.4%) of genes in pham
• Manual Annotations of this start: 3 of 866
• Called 13.0% of time when present
• Phage (with cluster) where this start called: Abdiel_32 (A4), Phelipe_33 (A4), TinaFeyge_33 (A4),

Start 111:
• Found in 5 of 967 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 866
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Lederberg_27 (EP), SamW_27 (EP), Troy_27 (EP),

Start 118:
• Found in 8 of 967 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 12.5% of time when present
• Phage (with cluster) where this start called: B1_31 (A3),

Start 124:
• Found in 54 of 967 (5.6%) of genes in pham
• Manual Annotations of this start: 7 of 866
• Called 13.0% 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 125:

• Found in 49 of 967 (5.1%) of genes in pham
• Manual Annotations of this start: 30 of 866
• Called 67.3% 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), Hidrated_73 (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 126:
• Found in 1 of 967 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Footloose_31 (singleton),

Start 127:
• Found in 6 of 967 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 50.0% of time when present
• Phage (with cluster) where this start called: OnionKnight_30 (singleton), SPB78_39 (BA), VWB_31 (BA),

Start 130:
• Found in 3 of 967 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 866
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Phantastic_33 (A3), TNguyen7_33 (A3),

Start 135:
• Found in 15 of 967 (1.6%) of genes in pham
• Manual Annotations of this start: 6 of 866
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Dignity_35 (A2), HippoHollow_33 (A2), IronMan_36 (A2), Jerm_35 (A2), KingCyrus_36 (A2), Turbido_34 (A2),

Start 136:
• Found in 53 of 967 (5.5%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 1.9% of time when present
• Phage (with cluster) where this start called: Zelink_79 (J),

Start 138:
• Found in 3 of 967 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Landor_35 (A2),

Start 140:
• Found in 13 of 967 (1.3%) of genes in pham
• Manual Annotations of this start: 7 of 866

• Called 76.9% of time when present
• Phage (with cluster) where this start called: BabyJohn_32 (A3), BabyRay_33 (A3), BrutonGaster_67 (CQ2), Cat_31 (A3), Chiqui_32 (A3), Jaan_37 (A2), Pharaoh_32 (A12), Pukovnik_35 (A2), Tristan_35 (A2), Yecey3_35 (A9),

Start 144:
• Found in 12 of 967 (1.2%) of genes in pham
• Manual Annotations of this start: 10 of 866
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Baehexic_34 (A2), Centaur_35 (A2), Equemioh13_35 (A2), Iwokeuplikedis_34 (A2), LionsBait_33 (A2), TarsusIV_33 (A2), Terrific_35 (A2), Updawg_35 (A2), WeiHuaDA_37 (A2), WideWale_35 (A2),

Start 145:
• Found in 12 of 967 (1.2%) of genes in pham
• Manual Annotations of this start: 5 of 866
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Altostratus_45 (FS), Khuang_45 (FS), Merpity_34 (FQ1), MrSmee_34 (FQ1), Neroxid_33 (FQ2), Pitbull_33 (FQ1), Raya_33 (FQ2), Skitty_31 (FQ1),

Start 146:
• Found in 1 of 967 (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: GMA4_29 (singleton),

Start 147:
• Found in 2 of 967 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daredevil_54 (DL), Towmatter_54 (DL),

Start 148:
• Found in 112 of 967 (11.6%) of genes in pham
• Manual Annotations of this start: 95 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abidatro_34 (AS1), AdoptaAdorbs_35 (AS3), Aleemily_34 (DZ), AlexMinion_36 (AS3), Amanises_36 (AS1), Amelia_36 (AS2), AmiCi24_35 (AS3), Amphitrite_36 (AS3), Andrew_37 (AS3), Antrice_39 (AS2), ArchiDore_39 (DW), Atlantica_36 (AS3), Ayotoya_39 (DI), Azaz_36 (AS3), Babushka_33 (AS3), BadWillHunting_41 (AS2), Basilisk_34 (AS1), BaxterFox_37 (CZ3), Bedetta_40 (AS2), BetterKatz_39 (DI), Bock_39 (DI), Brylie_39 (DI), Brynnie_33 (AS1), Cafasso_35 (DZ), Camara_36 (AS3), Chickaboom_35 (AS1), Chicken_33 (AS1), Chop_39 (DI), Colossa_32 (KA), Colusalem_37 (AS2), Coral_36 (AS2), Cote_38 (AS2), Cygnet_36 (AS2), Damocles_40 (AS2), DanHam62_36 (AS3), Daob_38 (AS2), DelRio_40 (DI), DumpsterDude_40 (DW), Easley_35 (CZ4), Eesa_33 (AS1), Fingolfin_36 (AS3), Francois_38 (DI), FroggyToad_38 (CZ2), Galaxy_33 (AS1), Glotell_37 (AS3), GrandSlam_39 (DI), Gravel_41 (AS1), HamCheese_36 (AS3), Hamood_39 (DI), HannahPhantana_37 (AS2), JCole_37 (CZ2), Jamun_33 (AS1), Jerole_37 (AS2), Juno112_35 (AS3), KHumphrey_36 (AS3), KendraB23_42 (AS1), Kepler_38 (AS2), Kuleana_37 (AS2), Laphuphu24k_34 (AS3), Leona_35 (AS3), LittleTokyo_36 (AS2), Lunar_38 (AS2), Madeline_35 (CZ1),

Malibo_40 (DW), Mbo4_31 (singleton), Melons_38 (AS2), ModicumRichard_35 (DZ), Morgana_35 (DZ), Mulch_39 (DI), Nadeem_39 (DI), NancyRae_39 (DI), Niblet_33 (AS1), ObLaDi_35 (DZ), Ohgeesy_38 (CZ), Oppalora_35 (AS3), Orcanus_34 (AS1), OtsoOtso_37 (AS2), PantheRoc_37 (CZ3), Parada_39 (DI), Pelletreau_41 (AS1), PhirstandPhine_38 (AS2), PhluffyCoco_36 (AS3), PhriskyACE_36 (CZ4), Pimento_39 (DI), Pineda_38 (AS2), Polka_36 (AS2), Powerball_37 (CZ4), REQ3_01 (singleton), Rattail_36 (AS3), RedFox_36 (AS3), Renna12_35 (AS3), Ruchi_33 (AS1), Ruthy_39 (DW), Shen_31 (AS1), Sidious_37 (CZ7), Sprinklemunch_44 (DW), StuartMinion_28 (AS3), Suerte_34 (CZ4), SussRoloMann_39 (DI), TPA4_37 (singleton), TaylorSipht_34 (AS1), Toad24_36 (AS1), VanLee_32 (KA), Vasanti_37 (CZ2), Vulpecula_33 (AS1), Westrich_40 (AS1), WheatThin_39 (DI), WileyE_35 (AS1), Yeezy_36 (CZ3), Zhuangyuan_38 (AS2), Zixiang_33 (AS1), Zodiariah_36 (DW),

Start 150:
• Found in 187 of 967 (19.3%) of genes in pham
• Manual Annotations of this start: 130 of 866
• Called 72.7% 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), BangNhom_33 (A4), Beauxregard13_36 (A3), BellusTerra_33 (A4), BiancaTri92_35 (A2), Bigflo_36 (A3), BlueBird_34 (A3), Bradman_34 (A2), BreSam8_36 (A3), Bugatti_34 (A3), Bugsy_36 (A2), Calvinny_35 (A3), Clammy_34 (A3), ClownCar_35 (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), DudeLittle_33 (A2), Duplo_37 (A2), Eagle_32 (A4), EpicPhail_36 (A3), Eurydice_33 (A4), FiringLine_34 (A2), Fred313_33 (A3), Gemma_35 (A3), Georgie2_35 (A2), Giroux_34 (A3), Grif_36 (A3), Groupthink_36 (A3), Grub_36 (A3), Grum1_36 (A3), GtownJaz_36 (A3), HaveUMetTed_36 (A3), Heathen_33 (A3), HelDan_33 (A3), Heliosoles_35 (A3), Hercules11_36 (A3), Idleandcovert_33 (A3), Isca_33 (A3), JF2_33 (A3), JF4_33 (A3), JHC117_36 (A3), JeppNRM_36 (A3), Jobu08_35 (A3), JoshKayV_35 (A2), Journey13_31 (A2), Jsquared_34 (A2), Kachowdy_33 (A3), Kalb97_36 (A3), Kalnoky_36 (A3), Kimona_30 (A19), LBerry_36 (A3), Leogania_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), Power_33 (A2), Puppy_34 (A3), PurpleHaze_35 (A3), QueenB2_34 (A2), QueenBeesly_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), SemperFi_35 (A2), Serenity_34 (A2), Smeagan_36 (A2), Snickers_36 (A3), SoYo_36 (A3), SoilDragon_35 (A3), Sparxx_33 (A4), Stagni_36 (A3), StepMih_36 (A3), Tiffany_36 (A3), TipsytheTRex_33 (A2), TroyPia_33 (A4), VA6_33 (A2), VC3_36 (A2), Vix_36 (A3), Watson_36 (A3), Wooldri_38 (A3), XianYue_35 (A2), Zarafa_33 (A3),

Start 151:
• Found in 6 of 967 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 866

• Called 33.3% of time when present
• Phage (with cluster) where this start called: HarryHoudini_36 (A2), Moosehead_35 (CZ6),

Start 152:
• Found in 7 of 967 (0.7%) of genes in pham
• Manual Annotations of this start: 5 of 866
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Colin_36 (A2), Kalpine_35 (A2), Kumotta_30 (FB), MargaretKali_30 (FB), Zimmer_35 (A12),

Start 154:
• Found in 80 of 967 (8.3%) of genes in pham
• Manual Annotations of this start: 64 of 866
• Called 85.0% 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), Hugley_36 (CZ1), Hyzer_43 (CZ1), Jablanski_39 (CY3), Jalleen_36 (CZ2), Koduck_34 (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_32 (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_34 (A2), Tayonia_39 (CZ1), TimTam_39 (CZ1), Tortellini_32 (P2), Trumpet_39 (CZ1), TuertoX_37 (CZ2), WelcomeAyanna_38 (CZ1), Whiteclaw_37 (CZ2), Wrigley_43 (CY4), Xavia_34 (P3), Yeet412_34 (CZ2), Yinzer_36 (CZ2), Zameen_39 (CZ1), Zirinka_36 (CZ1),

Start 155:
• Found in 17 of 967 (1.8%) of genes in pham
• Manual Annotations of this start: 15 of 866
• Called 94.1% of time when present
• Phage (with cluster) where this start called: Abscondus_83 (CQ1), Aphelion_83 (CQ1), Bachita_85 (CQ1), ClubL_83 (CQ1), Cucurbita_85 (CQ1), Culver_85 (CQ1), Dusty_81 (CQ1), Engineer_85 (CQ1), Geeche_82 (CQ1), Lozinak_84 (CQ1), Miskis_76 (CQ1), Norvs_84 (CQ1), PhinkBoden_83 (CQ1), Smoothie_85 (CQ1), Toniann_84 (CQ1), WilliamBoone_83 (CQ1),

Start 156:
• Found in 400 of 967 (41.4%) of genes in pham
• Manual Annotations of this start: 344 of 866
• Called 94.8% 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_42 (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), Cardigan_97 (DD), 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_38 (AY), CrimD_41 (K1), DLane_41 (F1), DRBy19_43 (F1), Dalmuri_41 (K1), DartGoblin_43 (K1), Dartin_43 (K1), DarwinJr_42 (AY), DeadP_46 (F1), Deby_41 (K1), Denise_35 (CZ5), Devera_45 (K1), Ding_38 (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_34 (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), JakeTheSnake_41 (AY), James_43 (F1), Jarvi_41 (K1), Jayhawk_42 (K1), JeanClaude_32 (FB), Jeckyll_41 (K1), JellyBread_36 (AY), Jennelsea_37 (F1), JonJames_97 (DD), 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_37 (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_36 (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_39 (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), Okabe_39 (F8), 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), Rizz_40 (CZ4), RootBeer_29 (FA), Rooter_30 (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), SeaLumen_48 (F1), 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), Sporco_40 (AY), Squirty_35 (F3), StAnnes_42 (F1), Stellammi_61 (UNK), Stinson_42 (K1), Strobilo_43 (K2), Strokeseat_41 (F1), Sulley_41 (K1), Sunshine23_30 (FG), 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_35 (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), Yvonnetastic_95 (DD), Zavala_42 (K1), Zizzle_44 (F1), ZoeJ_43 (K2), Zucker_31 (FN),

Start 157:
• Found in 1 of 967 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malec_36 (A2),

Start 158:
• Found in 2 of 967 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hestia_38 (AY), Pigu_30 (FB),

Start 159:
• Found in 3 of 967 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RunningOnE_6 (JN), Spooks_11 (BT), Success_11 (BT),

Start 160:

• Found in 4 of 967 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 866
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Farewell_44 (AF), Hum25_34 (FQ1), Sparky_45 (AF),

Start 161:
• Found in 5 of 967 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arianna_32 (EO), Colleen_32 (EO), Poushou_32 (EO), Spartan_32 (ES), TouchMeNot_32 (EO),

Start 162:
• Found in 112 of 967 (11.6%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 2.7% of time when present
• Phage (with cluster) where this start called: LittleE_82 (J), Odette_80 (J), PatoPoderoso_41 (F1),

Start 164:
• Found in 5 of 967 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DreamEater_33 (FJ), GUPitcher_33 (FJ), Kukla_36 (FJ), PetriParty_38 (FJ), TripleJ_37 (FJ),

Start 166:
• Found in 23 of 967 (2.4%) of genes in pham
• Manual Annotations of this start: 2 of 866
• Called 8.7% of time when present
• Phage (with cluster) where this start called: Gancho_28 (Q), OBUpride_29 (Q),

Start 167:
• Found in 1 of 967 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DillyDally_29 (singleton),

Start 169:
• Found in 2 of 967 (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 172:
• Found in 5 of 967 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Taotie_123 (EQ),

Start 173:
• Found in 3 of 967 (0.3%) of genes in pham

• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Gallop_33 (ES),

Start 175:
• Found in 65 of 967 (6.7%) of genes in pham
• Manual Annotations of this start: 11 of 866
• Called 18.5% of time when present
• Phage (with cluster) where this start called: Farber_36 (A3), Fernando_36 (A3), GingkoMaracino_36 (A3), Gwennie_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 176:
• Found in 6 of 967 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 866
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Juicebox_26 (singleton), Sleepyhead_38 (singleton), StAB_26 (EP),

Start 179:
• Found in 3 of 967 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adelaide_25 (EP), Bran_28 (EP), Stiles_27 (EP),

Start 182:
• Found in 3 of 967 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 866
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finkle_45 (singleton), Gsput1_28 (CU2), Schmidt_32 (CU4),

Start 183:
• Found in 4 of 967 (0.4%) of genes in pham
• Manual Annotations of this start: 4 of 866
• 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 184:
• Found in 314 of 967 (32.5%) of genes in pham
• Manual Annotations of this start: 15 of 866
• Called 6.1% of time when present
• Phage (with cluster) where this start called: Acolyte_34 (A2), C3_31 (A2), Crucio_34 (A2), Dillpickles_43 (CZ1), Drake55_36 (A2), Fameo_34 (A2), Flare16_34 (A2), Gratitude_35 (A2), InLimbo_35 (DH), Kerberos_37 (A2), Pomar16_37 (A2), SnapTap_34 (A2), StarStuff_37 (A2), SushiChef_36 (CZ), SweetiePie_34 (A2), Tomathan_37 (A2), Travvers_37 (A2), Trixie_35 (A2), Trooper_35 (A2),

Start 187:
• Found in 13 of 967 (1.3%) of genes in pham

• Manual Annotations of this start: 13 of 866
• 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_8 (DU2), Neville_8 (DU2), Rabbitrun_10 (DU2), Splinter_37 (CU1), TZGordon_39 (CU1), TinaLin_36 (CU1), Trax_8 (DU2), Vendetta_37 (CU1),

Start 189:
• Found in 23 of 967 (2.4%) of genes in pham
• Manual Annotations of this start: 21 of 866
• Called 91.3% 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 190:
• Found in 43 of 967 (4.4%) of genes in pham
• Manual Annotations of this start: 8 of 866
• 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 198:
• Found in 78 of 967 (8.1%) of genes in pham
• No Manual Annotations of this start.
• Called 5.1% of time when present
• Phage (with cluster) where this start called: Goose1X_33 (A3), Marchesa_33 (A3), Roimos_33 (A3), Shep_33 (A3),

Start 207:
• Found in 2 of 967 (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 212:
• Found in 325 of 967 (33.6%) of genes in pham
• Manual Annotations of this start: 6 of 866
• Called 1.8% 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 215:
• Found in 9 of 967 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 866
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Spartoi_37 (singleton),

Start 263:
• Found in 29 of 967 (3.0%) of genes in pham

• No Manual Annotations of this start.
• Called 3.4% of time when present
• Phage (with cluster) where this start called: Jant_44 (F1),

Summary by clusters:

There are 77 clusters represented in this pham: DN, AA, DL, FS, BA, DH, DI, CZ2, CZ3, DD, CZ1, CZ6, singleton, CZ4, CZ5, BT, FA, FB, DZ, K6, CZ8, FG, DW, FJ, AS1, FN, CU5, CU4, CY3, CU2, CU1, A12, BX, DU2, A19, A3, A2, DN1, A4, DN3, A9, CQ2, CQ1, AS3, AS2, EO, CY7, CY6, CY5, F, JN, J, KA, CZ7, Q, CZ, DU1, AY, X, P3, UNK, AF, EP, ES, CY1, F1, F2, F3, F4, K2, F8, EQ, P2, K1, CY4, FQ2, FQ1,

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 102 was manually annotated 2 times for cluster A2.
•Start number 124 was manually annotated 7 times for cluster A2.
•Start number 135 was manually annotated 6 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 144 was manually annotated 10 times for cluster A2.
•Start number 150 was manually annotated 35 times for cluster A2.
•Start number 151 was manually annotated 1 time for cluster A2.
•Start number 152 was manually annotated 2 times for cluster A2.
•Start number 154 was manually annotated 8 times for cluster A2.
•Start number 157 was manually annotated 1 time for cluster A2.
•Start number 184 was manually annotated 15 times for cluster A2.
•Start number 190 was manually annotated 1 time for cluster A2.
•Start number 212 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 130 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 81 times for cluster A3.
•Start number 175 was manually annotated 11 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 105 was manually annotated 3 times for cluster A4.
•Start number 150 was manually annotated 13 times for cluster A4.
•Start number 190 was manually annotated 7 times for cluster A4.
•Start number 212 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 156 was manually annotated 2 times for cluster AA.

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

Info for manual annotations of cluster AS1:
•Start number 148 was manually annotated 18 times for cluster AS1.

Info for manual annotations of cluster AS2:
•Start number 148 was manually annotated 19 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 148 was manually annotated 19 times for cluster AS3.

Info for manual annotations of cluster AY:
•Start number 156 was manually annotated 44 times for cluster AY.
•Start number 158 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BT:
•Start number 159 was manually annotated 2 times for cluster BT.

Info for manual annotations of cluster CQ1:
•Start number 155 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 140 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CU1:
•Start number 187 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU4:
•Start number 182 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 187 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CY1:
•Start number 154 was manually annotated 5 times for cluster CY1.
•Start number 156 was manually annotated 4 times for cluster CY1.

Info for manual annotations of cluster CY3:
•Start number 154 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:
•Start number 154 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:
•Start number 156 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:
•Start number 156 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:
•Start number 154 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:
•Start number 148 was manually annotated 1 time for cluster CZ.
•Start number 154 was manually annotated 2 times for cluster CZ.
•Start number 156 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 86 was manually annotated 4 times for cluster CZ1.
•Start number 148 was manually annotated 1 time for cluster CZ1.
•Start number 154 was manually annotated 21 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 85 was manually annotated 2 times for cluster CZ2.
•Start number 86 was manually annotated 2 times for cluster CZ2.
•Start number 148 was manually annotated 2 times for cluster CZ2.
•Start number 154 was manually annotated 18 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 148 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 148 was manually annotated 4 times for cluster CZ4.
•Start number 156 was manually annotated 20 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 156 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 104 was manually annotated 1 time for cluster CZ6.
•Start number 151 was manually annotated 1 time for cluster CZ6.
•Start number 154 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster CZ7:
•Start number 148 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:
•Start number 156 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DD:
•Start number 156 was manually annotated 3 times for cluster DD.

Info for manual annotations of cluster DH:
•Start number 154 was manually annotated 2 times for cluster DH.
•Start number 156 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DI:
•Start number 148 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DL:
•Start number 147 was manually annotated 2 times for cluster DL.

Info for manual annotations of cluster DN:
•Start number 156 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 156 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN3:
•Start number 156 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DU1:
•Start number 183 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 187 was manually annotated 4 times for cluster DU2.

Info for manual annotations of cluster DW:
•Start number 148 was manually annotated 5 times for cluster DW.

Info for manual annotations of cluster DZ:
•Start number 148 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EO:
•Start number 161 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:
•Start number 111 was manually annotated 3 times for cluster EP.
•Start number 176 was manually annotated 1 time for cluster EP.
•Start number 179 was manually annotated 3 times for cluster EP.

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

Info for manual annotations of cluster F1:
•Start number 156 was manually annotated 90 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 156 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F3:
•Start number 156 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 156 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster FA:
•Start number 156 was manually annotated 10 times for cluster FA.

Info for manual annotations of cluster FB:
•Start number 152 was manually annotated 2 times for cluster FB.

•Start number 156 was manually annotated 6 times for cluster FB.
•Start number 158 was manually annotated 1 time for cluster FB.

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

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

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

Info for manual annotations of cluster FQ1:
•Start number 145 was manually annotated 3 times for cluster FQ1.
•Start number 160 was manually annotated 1 time for cluster FQ1.

Info for manual annotations of cluster FS:
•Start number 145 was manually annotated 2 times for cluster FS.

Info for manual annotations of cluster J:
•Start number 97 was manually annotated 1 time for cluster J.
•Start number 103 was manually annotated 8 times for cluster J.
•Start number 125 was manually annotated 30 times for cluster J.
•Start number 136 was manually annotated 1 time for cluster J.
•Start number 162 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster JN:
•Start number 159 was manually annotated 1 time for cluster JN.

Info for manual annotations of cluster K1:
•Start number 156 was manually annotated 107 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 156 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K6:
•Start number 156 was manually annotated 2 times for cluster K6.

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

Info for manual annotations of cluster P2:
•Start number 154 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:
•Start number 154 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster Q:
•Start number 166 was manually annotated 2 times for cluster Q.
•Start number 189 was manually annotated 21 times for cluster Q.

Info for manual annotations of cluster UNK:

•Start number 156 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:
•Start number 103 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: 102 @26781 has 2 MA's), (Start: 150 @26718 has 130 MA's), (Start: 184 @26664 has 15 MA's), (Start: 212 @26595 has 6 MA's), (317, 26376), (323, 26367), (348, 26331), (407, 26274), (455, 26196), (471, 26172), (476, 26163), (530, 26061), (551, 26043), (564, 26031), (601, 25956), (603, 25950), (610, 25929), (616, 25914), (628, 25896), (647, 25872), (728, 25713), (729, 25710), (737, 25680), (739, 25674), (743, 25662), (763, 25623),

Gene: AN3_33 Start: 26414, Stop: 25290, Start Num: 150
Candidate Starts for AN3_33:
(110, 26468), (Start: 150 @26414 has 130 MA's), (Start: 184 @26360 has 15 MA's), (Start: 212 @26291 has 6 MA's), (313, 26090), (323, 26063), (348, 26027), (405, 25973), (407, 25970), (418, 25943), (455, 25892), (476, 25859), (480, 25847), (489, 25829), (530, 25757), (551, 25739), (564, 25727), (587, 25688), (601, 25652), (603, 25646), (610, 25625), (616, 25610), (628, 25592), (649, 25565), (716, 25454), (729, 25406), (730, 25403), (737, 25376), (739, 25370), (743, 25358), (763, 25319),

Gene: AN9_36 Start: 26399, Stop: 25275, Start Num: 150
Candidate Starts for AN9_36:
(110, 26453), (Start: 150 @26399 has 130 MA's), (Start: 184 @26345 has 15 MA's), (Start: 212 @26276 has 6 MA's), (313, 26075), (323, 26048), (348, 26012), (405, 25958), (407, 25955), (418, 25928), (455, 25877), (476, 25844), (480, 25832), (489, 25814), (530, 25742), (551, 25724), (564, 25712), (587, 25673), (601, 25637), (603, 25631), (610, 25610), (616, 25595), (628, 25577), (649, 25550), (716, 25439), (729, 25391), (730, 25388), (737, 25361), (739, 25355), (743, 25343), (763, 25304),

Gene: ANI8_36 Start: 26399, Stop: 25275, Start Num: 150
Candidate Starts for ANI8_36:
(110, 26453), (Start: 150 @26399 has 130 MA's), (Start: 184 @26345 has 15 MA's), (Start: 212 @26276 has 6 MA's), (313, 26075), (323, 26048), (348, 26012), (405, 25958), (407, 25955), (418, 25928), (455, 25877), (476, 25844), (480, 25832), (489, 25814), (530, 25742), (551, 25724), (564, 25712), (587, 25673), (601, 25637), (603, 25631), (610, 25610), (616, 25595), (628, 25577), (649, 25550), (716, 25439), (729, 25391), (730, 25388), (737, 25361), (739, 25355), (743, 25343), (763, 25304),

Gene: AbbyDaisy_36 Start: 27417, Stop: 26233, Start Num: 156
Candidate Starts for AbbyDaisy_36:
(41, 27699), (42, 27690), (50, 27654), (68, 27579), (89, 27522), (Start: 111 @27483 has 3 MA's), (Start: 156 @27417 has 344 MA's), (Start: 184 @27366 has 15 MA's), (270, 27198), (279, 27180), (351, 27048), (407, 26970), (413, 26952), (426, 26919), (457, 26883), (462, 26874), (493, 26814), (541, 26739), (608, 26619), (678, 26505), (715, 26448), (720, 26427), (721, 26424), (724, 26409), (770, 26289),

Gene: AbbyPaige_35 Start: 26720, Stop: 25575, Start Num: 124

Candidate Starts for AbbyPaige_35:
(Start: 124 @26720 has 7 MA's), (Start: 135 @26702 has 6 MA's), (Start: 190 @26618 has 8 MA's), (Start: 212 @26570 has 6 MA's), (230, 26525), (323, 26342), (348, 26306), (407, 26249), (412, 26237), (476, 26138), (480, 26126), (489, 26108), (551, 26018), (564, 26006), (601, 25931), (603, 25925), (610, 25904), (616, 25889), (628, 25871), (649, 25844), (716, 25733), (729, 25685), (730, 25682), (737, 25655), (739, 25649), (743, 25637), (763, 25598),

Gene: Abdiel_32 Start: 26295, Stop: 25129, Start Num: 105
Candidate Starts for Abdiel_32:
(Start: 105 @26295 has 3 MA's), (Start: 124 @26268 has 7 MA's), (Start: 150 @26250 has 130 MA's), (Start: 190 @26181 has 8 MA's), (Start: 212 @26127 has 6 MA's), (317, 25908), (323, 25899), (348, 25863), (400, 25821), (405, 25809), (407, 25806), (455, 25728), (530, 25593), (551, 25575), (601, 25488), (603, 25482), (610, 25461), (616, 25446), (628, 25428), (716, 25290), (729, 25242), (737, 25212), (739, 25206), (743, 25194), (763, 25155),

Gene: Abidatro_34 Start: 24278, Stop: 23067, Start Num: 148
Candidate Starts for Abidatro_34:
(Start: 148 @24278 has 95 MA's), (261, 24059), (269, 24041), (325, 23924), (371, 23849), (375, 23834), (551, 23540), (566, 23519), (581, 23492), (608, 23426), (612, 23414), (622, 23396), (717, 23252), (720, 23243),

Gene: Abscondus_83 Start: 51076, Stop: 52374, Start Num: 155
Candidate Starts for Abscondus_83:
(Start: 155 @51076 has 15 MA's), (188, 51142), (233, 51244), (249, 51271), (259, 51283), (274, 51313), (290, 51352), (301, 51370), (333, 51436), (342, 51445), (378, 51529), (420, 51619), (497, 51778), (500, 51784), (502, 51787), (577, 51913), (606, 51982), (646, 52060), (676, 52111), (712, 52138), (720, 52174), (721, 52177), (722, 52180), (723, 52186), (725, 52198), (727, 52204), (728, 52207), (729, 52210), (737, 52240), (758, 52288), (762, 52297), (779, 52327),

Gene: Acolyte_34 Start: 27024, Stop: 25957, Start Num: 184
Candidate Starts for Acolyte_34:
(Start: 150 @27078 has 130 MA's), (Start: 184 @27024 has 15 MA's), (Start: 212 @26955 has 6 MA's), (323, 26727), (348, 26691), (407, 26634), (418, 26607), (455, 26556), (489, 26493), (551, 26403), (564, 26391), (576, 26370), (601, 26316), (603, 26310), (610, 26289), (616, 26274), (649, 26229), (716, 26118), (729, 26070), (737, 26040), (739, 26034), (743, 26022), (763, 25983),

Gene: ActinUp_41 Start: 32479, Stop: 33567, Start Num: 156
Candidate Starts for ActinUp_41:
(Start: 156 @32479 has 344 MA's), (Start: 184 @32530 has 15 MA's), (Start: 212 @32581 has 6 MA's), (221, 32605), (240, 32641), (313, 32779), (340, 32833), (412, 32917), (457, 32986), (458, 32989), (551, 33139), (597, 33217), (607, 33244), (671, 33331), (713, 33379),

Gene: AdaS_35 Start: 25676, Stop: 24537, Start Num: 156
Candidate Starts for AdaS_35:
(Start: 156 @25676 has 344 MA's), (Start: 184 @25625 has 15 MA's), (270, 25457), (279, 25439), (351, 25307), (407, 25229), (412, 25217), (457, 25142), (462, 25133), (493, 25073), (553, 24983), (608, 24878), (618, 24857), (635, 24830), (715, 24707), (721, 24683), (724, 24668), (747, 24593), (761, 24563),

Gene: Adelaide_25 Start: 24090, Stop: 22960, Start Num: 179
Candidate Starts for Adelaide_25:
(Start: 179 @24090 has 3 MA's), (188, 24075), (201, 24051), (253, 23937), (271, 23898), (288, 23856), (308, 23823), (311, 23814), (322, 23787), (331, 23769), (402, 23685), (410, 23670), (426, 23625),

(463, 23565), (503, 23523), (507, 23511), (512, 23505), (523, 23484), (563, 23430), (565, 23427), (567, 23424), (578, 23403), (613, 23319), (619, 23313), (630, 23295), (651, 23265), (695, 23208), (716, 23166), (721, 23151), (724, 23136), (725, 23130), (728, 23121), (731, 23112), (739, 23082), (757, 23040), (770, 23019), (772, 23016), (777, 23007), (793, 22980), (799, 22965),

Gene: Adephagia_41 Start: 32476, Stop: 33564, Start Num: 156
Candidate Starts for Adephagia_41:
(Start: 156 @32476 has 344 MA's), (Start: 184 @32527 has 15 MA's), (Start: 212 @32578 has 6 MA's), (221, 32602), (240, 32638), (313, 32776), (340, 32830), (412, 32914), (457, 32983), (458, 32986), (551, 33136), (597, 33214), (607, 33241), (671, 33328), (713, 33376),

Gene: Adonis_41 Start: 32777, Stop: 33865, Start Num: 156
Candidate Starts for Adonis_41:
(Start: 156 @32777 has 344 MA's), (Start: 212 @32879 has 6 MA's), (221, 32903), (240, 32939), (300, 33053), (340, 33131), (412, 33215), (457, 33284), (458, 33287), (551, 33437), (607, 33542), (671, 33629), (713, 33677),

Gene: AdoptaAdorbs_35 Start: 23914, Stop: 22721, Start Num: 148
Candidate Starts for AdoptaAdorbs_35:
(Start: 148 @23914 has 95 MA's), (371, 23485), (390, 23428), (404, 23404), (551, 23176), (612, 23050), (618, 23038), (632, 23017), (720, 22879), (743, 22798), (770, 22750),

Gene: Adora_37 Start: 31194, Stop: 32321, Start Num: 156
Candidate Starts for Adora_37:
(Start: 124 @31155 has 7 MA's), (Start: 156 @31194 has 344 MA's), (Start: 184 @31248 has 15 MA's), (237, 31371), (257, 31404), (302, 31494), (315, 31527), (457, 31722), (458, 31725), (480, 31767), (500, 31803), (688, 32100), (721, 32178), (727, 32205), (732, 32220), (739, 32247), (769, 32310),

Gene: Adzzy_35 Start: 25141, Stop: 24026, Start Num: 154
Candidate Starts for Adzzy_35:
(Start: 154 @25141 has 64 MA's), (Start: 212 @25024 has 6 MA's), (230, 24979), (323, 24796), (348, 24760), (400, 24718), (405, 24706), (407, 24703), (417, 24679), (530, 24490), (551, 24472), (564, 24460), (576, 24439), (601, 24385), (610, 24358), (616, 24343), (628, 24325), (649, 24298), (729, 24139), (737, 24109), (739, 24103), (743, 24091), (763, 24052), (769, 24043),

Gene: Agape74_35 Start: 26696, Stop: 25551, Start Num: 124
Candidate Starts for Agape74_35:
(Start: 124 @26696 has 7 MA's), (Start: 135 @26678 has 6 MA's), (Start: 190 @26594 has 8 MA's), (Start: 212 @26546 has 6 MA's), (230, 26501), (323, 26318), (348, 26282), (407, 26225), (412, 26213), (476, 26114), (480, 26102), (489, 26084), (551, 25994), (564, 25982), (601, 25907), (603, 25901), (610, 25880), (616, 25865), (628, 25847), (649, 25820), (716, 25709), (729, 25661), (730, 25658), (737, 25631), (739, 25625), (743, 25613), (763, 25574),

Gene: Ageofdapage_43 Start: 33453, Stop: 34541, Start Num: 156
Candidate Starts for Ageofdapage_43:
(Start: 156 @33453 has 344 MA's), (Start: 212 @33555 has 6 MA's), (221, 33579), (240, 33615), (270, 33666), (300, 33729), (313, 33753), (340, 33807), (347, 33810), (412, 33891), (457, 33960), (458, 33963), (476, 33993), (551, 34113), (597, 34191), (607, 34218), (713, 34353),

Gene: Aglet_36 Start: 26791, Stop: 25646, Start Num: 150
Candidate Starts for Aglet_36:

(Start: 150 @26791 has 130 MA's), (Start: 175 @26752 has 11 MA's), (Start: 212 @26668 has 6 MA's), (230, 26623), (313, 26467), (323, 26440), (348, 26404), (407, 26347), (455, 26269), (471, 26245), (489, 26206), (530, 26134), (547, 26122), (551, 26116), (564, 26104), (601, 26029), (603, 26023), (610, 26002), (616, 25987), (628, 25969), (647, 25945), (716, 25831), (728, 25786), (729, 25783), (732, 25774), (737, 25753), (739, 25747), (743, 25735), (763, 25696),

Gene: Agueybana_38 Start: 30381, Stop: 31463, Start Num: 154
Candidate Starts for Agueybana_38:
(Start: 86 @30270 has 6 MA's), (Start: 154 @30381 has 64 MA's), (Start: 184 @30435 has 15 MA's), (245, 30555), (405, 30810), (418, 30840), (458, 30900), (493, 30966), (505, 30990), (721, 31320), (769, 31452),

Gene: Aikyam_37 Start: 25607, Stop: 24468, Start Num: 156
Candidate Starts for Aikyam_37:
(Start: 156 @25607 has 344 MA's), (Start: 184 @25556 has 15 MA's), (270, 25388), (279, 25370), (351, 25238), (407, 25160), (412, 25148), (413, 25142), (457, 25073), (462, 25064), (493, 25004), (553, 24914), (608, 24809), (618, 24788), (635, 24761), (715, 24638), (721, 24614), (724, 24599), (747, 24524), (761, 24494),

Gene: Akhila_37 Start: 29110, Stop: 30237, Start Num: 156
Candidate Starts for Akhila_37:
(88, 29008), (123, 29065), (Start: 156 @29110 has 344 MA's), (Start: 162 @29119 has 1 MA's), (240, 29281), (263, 29332), (270, 29350), (289, 29395), (340, 29491), (351, 29500), (418, 29605), (460, 29674), (480, 29713), (491, 29734), (498, 29746), (500, 29749), (505, 29761), (527, 29800), (536, 29806), (557, 29827), (585, 29863), (587, 29866), (601, 29902), (603, 29908), (607, 29920), (608, 29923), (614, 29938), (671, 30007), (678, 30022), (698, 30040), (715, 30064), (725, 30109), (728, 30118), (732, 30130), (739, 30157), (745, 30175), (756, 30196), (763, 30211), (769, 30220), (770, 30223),

Gene: Alatato_29 Start: 23820, Stop: 22690, Start Num: 156
Candidate Starts for Alatato_29:
(45, 24084), (Start: 156 @23820 has 344 MA's), (Start: 184 @23769 has 15 MA's), (185, 23766), (270, 23604), (300, 23541), (317, 23496), (328, 23475), (417, 23337), (418, 23334), (427, 23310), (439, 23295), (473, 23250), (572, 23091), (601, 23037), (616, 22995), (635, 22968), (671, 22914), (678, 22899), (683, 22890), (724, 22806), (725, 22800), (728, 22791), (741, 22746),

Gene: Aleemily_34 Start: 29847, Stop: 28720, Start Num: 148
Candidate Starts for Aleemily_34:
(12, 30327), (Start: 148 @29847 has 95 MA's), (177, 29793), (226, 29688), (314, 29517), (365, 29427), (378, 29391), (428, 29277), (485, 29238), (498, 29214), (568, 29118), (639, 28986), (666, 28941), (717, 28869), (763, 28743),

Gene: AlexMinion_36 Start: 24097, Stop: 22904, Start Num: 148
Candidate Starts for AlexMinion_36:
(Start: 148 @24097 has 95 MA's), (371, 23668), (497, 23437), (566, 23338), (612, 23233), (618, 23221), (720, 23062), (770, 22933),

Gene: Alexphander_45 Start: 32418, Stop: 33536, Start Num: 156
Candidate Starts for Alexphander_45:
(Start: 156 @32418 has 344 MA's), (223, 32556), (240, 32589), (265, 32637), (340, 32790), (351, 32799), (407, 32880), (460, 32973), (480, 33012), (491, 33033), (498, 33045), (500, 33048), (505, 33060), (527, 33099), (536, 33105), (557, 33126), (585, 33162), (587, 33165), (601, 33201), (603, 33207), (608, 33222), (614, 33237), (671, 33306), (678, 33321), (698, 33339), (725, 33408), (728,

33417), (739, 33456), (745, 33474), (756, 33495), (763, 33510), (769, 33519), (770, 33522),

Gene: AlishaPH_41 Start: 32751, Stop: 33839, Start Num: 156
Candidate Starts for AlishaPH_41:
(Start: 156 @32751 has 344 MA's), (Start: 212 @32853 has 6 MA's), (221, 32877), (240, 32913), (313, 33051), (340, 33105), (412, 33189), (457, 33258), (458, 33261), (551, 33411), (607, 33516), (671, 33603), (713, 33651), (757, 33795),

Gene: Altostratus_45 Start: 28384, Stop: 27227, Start Num: 145
Candidate Starts for Altostratus_45:
(Start: 145 @28384 has 5 MA's), (173, 28333), (186, 28309), (204, 28264), (242, 28189), (271, 28126), (277, 28117), (330, 28012), (364, 27961), (371, 27949), (374, 27937), (377, 27928), (382, 27907), (416, 27838), (418, 27832), (421, 27823), (489, 27748), (509, 27706), (556, 27649), (568, 27637), (577, 27622), (602, 27568), (610, 27544), (618, 27526), (639, 27505), (654, 27481), (672, 27451), (712, 27400), (717, 27373), (727, 27337), (763, 27247),

Gene: AlumE_39 Start: 31289, Stop: 32371, Start Num: 154
Candidate Starts for AlumE_39:
(Start: 86 @31178 has 6 MA's), (Start: 154 @31289 has 64 MA's), (Start: 184 @31343 has 15 MA's), (245, 31463), (418, 31748), (458, 31808), (493, 31874), (505, 31898), (721, 32228), (741, 32303), (769, 32360),

Gene: Amanises_36 Start: 25277, Stop: 24093, Start Num: 148
Candidate Starts for Amanises_36:
(Start: 148 @25277 has 95 MA's), (261, 25058), (269, 25040), (325, 24923), (371, 24848), (372, 24845), (566, 24518), (608, 24425), (612, 24413), (622, 24395), (712, 24278), (720, 24242),

Gene: Amelia_36 Start: 24019, Stop: 22832, Start Num: 148
Candidate Starts for Amelia_36:
(87, 24109), (Start: 148 @24019 has 95 MA's), (325, 23665), (371, 23590), (612, 23155), (712, 23020),

Gene: Amelie_36 Start: 31976, Stop: 33070, Start Num: 156
Candidate Starts for Amelie_36:
(28, 31625), (31, 31640), (47, 31733), (52, 31754), (80, 31847), (Start: 156 @31976 has 344 MA's), (Start: 184 @32027 has 15 MA's), (221, 32102), (240, 32138), (289, 32234), (300, 32252), (313, 32276), (337, 32324), (340, 32330), (432, 32462), (457, 32495), (480, 32540), (551, 32648), (607, 32753), (654, 32813), (713, 32888), (741, 32996), (757, 33032),

Gene: AmiCi24_35 Start: 23912, Stop: 22719, Start Num: 148
Candidate Starts for AmiCi24_35:
(Start: 148 @23912 has 95 MA's), (371, 23483), (390, 23426), (404, 23402), (551, 23174), (612, 23048), (618, 23036), (632, 23015), (720, 22877), (743, 22796), (770, 22748),

Gene: Amochick_29 Start: 26484, Stop: 25291, Start Num: 189
Candidate Starts for Amochick_29:
(Start: 166 @26526 has 2 MA's), (Start: 189 @26484 has 21 MA's), (213, 26418), (249, 26337), (266, 26298), (275, 26283), (277, 26277), (282, 26265), (296, 26238), (313, 26205), (345, 26148), (365, 26115), (367, 26112), (383, 26064), (406, 26022), (409, 26019), (418, 25995), (423, 25980), (434, 25956), (445, 25941), (471, 25902), (477, 25890), (496, 25851), (515, 25812), (556, 25764), (558, 25761), (601, 25689), (603, 25683), (607, 25671), (608, 25668), (610, 25662), (640, 25608), (652, 25590), (653, 25587), (668, 25560), (683, 25533), (713, 25491), (719, 25464), (721, 25458), (735, 25401), (763, 25338), (765, 25335),

Gene: Amphitrite_36 Start: 23913, Stop: 22720, Start Num: 148
Candidate Starts for Amphitrite_36:
(Start: 148 @23913 has 95 MA's), (371, 23484), (390, 23427), (404, 23403), (551, 23175), (612, 23049), (618, 23037), (632, 23016), (720, 22878), (743, 22797), (770, 22749),

Gene: Amymech_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Amymech_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: Anaya_43 Start: 33089, Stop: 34177, Start Num: 156
Candidate Starts for Anaya_43:
(Start: 156 @33089 has 344 MA's), (Start: 212 @33191 has 6 MA's), (221, 33215), (240, 33251), (300, 33365), (340, 33443), (412, 33527), (457, 33596), (458, 33599), (551, 33749), (607, 33854), (671, 33941), (713, 33989),

Gene: Andrew_37 Start: 23839, Stop: 22646, Start Num: 148
Candidate Starts for Andrew_37:
(Start: 148 @23839 has 95 MA's), (171, 23794), (404, 23329), (551, 23101), (612, 22975), (618, 22963), (717, 22813), (770, 22675),

Gene: Anekin_37 Start: 26993, Stop: 25815, Start Num: 156
Candidate Starts for Anekin_37:
(143, 27011), (Start: 156 @26993 has 344 MA's), (Start: 184 @26942 has 15 MA's), (214, 26876), (279, 26756), (323, 26660), (351, 26624), (407, 26546), (457, 26459), (462, 26450), (493, 26390), (519, 26342), (553, 26300), (610, 26189), (635, 26147), (715, 26030), (720, 26009), (721, 26006), (724, 25991), (770, 25871),

Gene: Angelica_41 Start: 32708, Stop: 33796, Start Num: 156
Candidate Starts for Angelica_41:
(Start: 156 @32708 has 344 MA's), (Start: 212 @32810 has 6 MA's), (214, 32819), (221, 32834), (240, 32870), (340, 33062), (412, 33146), (457, 33215), (458, 33218), (551, 33368), (607, 33473), (671, 33560), (713, 33608), (757, 33752),

Gene: Angelique_39 Start: 30954, Stop: 32036, Start Num: 154
Candidate Starts for Angelique_39:
(Start: 86 @30843 has 6 MA's), (Start: 154 @30954 has 64 MA's), (Start: 184 @31008 has 15 MA's), (245, 31128), (405, 31383), (418, 31413), (458, 31473), (493, 31539), (505, 31563), (585, 31668), (721, 31893), (727, 31920), (741, 31968), (769, 32025),

Gene: Anma_42 Start: 33376, Stop: 34464, Start Num: 156
Candidate Starts for Anma_42:
(52, 33154), (Start: 156 @33376 has 344 MA's), (Start: 184 @33427 has 15 MA's), (Start: 212 @33478 has 6 MA's), (221, 33502), (240, 33538), (300, 33652), (340, 33730), (412, 33814), (457, 33883), (458, 33886), (551, 34036), (607, 34141), (713, 34276), (757, 34420),

Gene: Annalisa_36 Start: 28551, Stop: 29678, Start Num: 156
Candidate Starts for Annalisa_36:

(54, 28332), (61, 28368), (Start: 156 @28551 has 344 MA's), (Start: 184 @28605 has 15 MA's), (237, 28728), (257, 28761), (302, 28851), (315, 28884), (457, 29079), (458, 29082), (480, 29124), (500, 29160), (688, 29457), (732, 29577), (739, 29604), (769, 29667),

Gene: Anselm_35 Start: 26782, Stop: 25661, Start Num: 150
Candidate Starts for Anselm_35:
(Start: 102 @26845 has 2 MA's), (Start: 150 @26782 has 130 MA's), (Start: 184 @26728 has 15 MA's), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (348, 26395), (412, 26326), (430, 26284), (455, 26260), (489, 26197), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (649, 25933), (716, 25822), (728, 25777), (729, 25774), (730, 25771), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Antonio_39 Start: 30563, Stop: 31645, Start Num: 154
Candidate Starts for Antonio_39:
(Start: 86 @30452 has 6 MA's), (Start: 154 @30563 has 64 MA's), (Start: 184 @30617 has 15 MA's), (245, 30737), (405, 30992), (418, 31022), (458, 31082), (493, 31148), (505, 31172), (721, 31502), (727, 31529), (769, 31634),

Gene: Antrice_39 Start: 25191, Stop: 23998, Start Num: 148
Candidate Starts for Antrice_39:
(Start: 148 @25191 has 95 MA's), (372, 24756), (566, 24429), (602, 24354), (612, 24324), (618, 24312), (622, 24306),

Gene: Anubis_38 Start: 26676, Stop: 25531, Start Num: 150
Candidate Starts for Anubis_38:
(Start: 150 @26676 has 130 MA's), (Start: 175 @26637 has 11 MA's), (198, 26589), (Start: 212 @26553 has 6 MA's), (230, 26508), (313, 26352), (323, 26325), (348, 26289), (407, 26232), (455, 26154), (471, 26130), (489, 26091), (530, 26019), (547, 26007), (551, 26001), (564, 25989), (601, 25914), (603, 25908), (610, 25887), (616, 25872), (628, 25854), (647, 25830), (716, 25716), (728, 25671), (729, 25668), (732, 25659), (737, 25638), (739, 25632), (743, 25620), (763, 25581),

Gene: Aphelion_83 Start: 51698, Stop: 52996, Start Num: 155
Candidate Starts for Aphelion_83:
(Start: 155 @51698 has 15 MA's), (188, 51764), (233, 51866), (249, 51893), (259, 51905), (274, 51935), (290, 51974), (301, 51992), (333, 52058), (342, 52067), (378, 52151), (420, 52241), (497, 52400), (500, 52406), (502, 52409), (577, 52535), (606, 52604), (646, 52682), (676, 52733), (712, 52760), (720, 52796), (721, 52799), (723, 52808), (725, 52820), (727, 52826), (728, 52829), (729, 52832), (737, 52862), (758, 52910), (762, 52919), (779, 52949),

Gene: Apocalypse_44 Start: 33493, Stop: 34581, Start Num: 156
Candidate Starts for Apocalypse_44:
(Start: 156 @33493 has 344 MA's), (Start: 212 @33595 has 6 MA's), (221, 33619), (240, 33655), (313, 33793), (340, 33847), (412, 33931), (457, 34000), (458, 34003), (551, 34153), (607, 34258), (671, 34345), (713, 34393), (757, 34537),

Gene: Apricot_48 Start: 31405, Stop: 32475, Start Num: 156
Candidate Starts for Apricot_48:
(121, 31360), (Start: 156 @31405 has 344 MA's), (Start: 184 @31456 has 15 MA's), (211, 31504), (223, 31534), (237, 31561), (284, 31648), (315, 31714), (317, 31720), (340, 31756), (351, 31765), (401, 31816), (412, 31840), (419, 31858), (462, 31921), (480, 31957), (498, 31990), (500, 31993), (505, 32005), (519, 32029), (611, 32173), (632, 32200), (683, 32272), (721, 32332), (727, 32359), (735, 32389), (741, 32407), (769, 32464),

Gene: ArV2_29 Start: 22829, Stop: 21699, Start Num: 156
Candidate Starts for ArV2_29:
(Start: 156 @22829 has 344 MA's), (Start: 184 @22778 has 15 MA's), (265, 22625), (300, 22550), (330, 22481), (354, 22454), (418, 22343), (427, 22319), (473, 22259), (474, 22256), (480, 22241), (601, 22046), (611, 22016), (622, 21998), (624, 21995), (635, 21977), (671, 21923), (678, 21908), (696, 21881), (725, 21809), (728, 21800), (732, 21788),

Gene: ArchiDore_39 Start: 34244, Stop: 33075, Start Num: 148
Candidate Starts for ArchiDore_39:
(Start: 148 @34244 has 95 MA's), (227, 34082), (370, 33818), (374, 33803), (390, 33758), (416, 33710), (423, 33689), (424, 33686), (465, 33650), (487, 33623), (498, 33602), (556, 33521), (577, 33500), (603, 33443), (639, 33371), (658, 33341), (712, 33284), (714, 33272), (763, 33131), (786, 33092), (790, 33083),

Gene: Ardmore_36 Start: 30890, Stop: 32008, Start Num: 156
Candidate Starts for Ardmore_36:
(Start: 156 @30890 has 344 MA's), (Start: 162 @30899 has 1 MA's), (240, 31061), (317, 31226), (340, 31262), (351, 31271), (460, 31445), (489, 31502), (491, 31505), (498, 31517), (500, 31520), (505, 31532), (527, 31571), (557, 31598), (585, 31634), (587, 31637), (601, 31673), (603, 31679), (607, 31691), (608, 31694), (671, 31778), (678, 31793), (698, 31811), (725, 31880), (728, 31889), (739, 31928), (745, 31946), (756, 31967), (763, 31982), (769, 31991), (770, 31994),

Gene: Arianna_32 Start: 30114, Stop: 28903, Start Num: 161
Candidate Starts for Arianna_32:
(Start: 161 @30114 has 4 MA's), (241, 29940), (307, 29799), (405, 29640), (479, 29490), (524, 29400), (672, 29136), (693, 29100), (699, 29094), (757, 28929), (766, 28914), (768, 28911),

Gene: Ariel_86 Start: 50063, Stop: 51337, Start Num: 103
Candidate Starts for Ariel_86:
(81, 50006), (Start: 97 @50048 has 1 MA's), (Start: 103 @50063 has 10 MA's), (106, 50066), (Start: 136 @50111 has 1 MA's), (Start: 162 @50150 has 1 MA's), (338, 50531), (400, 50615), (405, 50627), (407, 50630), (468, 50759), (550, 50879), (589, 50942), (599, 50960), (608, 50984), (650, 51056), (736, 51233), (737, 51236), (739, 51242), (745, 51260), (753, 51275), (757, 51284), (759, 51287), (785, 51332),

Gene: Asapag_47 Start: 32537, Stop: 33631, Start Num: 156
Candidate Starts for Asapag_47:
(94, 32450), (117, 32486), (Start: 156 @32537 has 344 MA's), (Start: 184 @32588 has 15 MA's), (219, 32660), (223, 32666), (237, 32693), (284, 32780), (317, 32852), (340, 32888), (351, 32897), (412, 32972), (419, 32990), (480, 33089), (498, 33122), (500, 33125), (505, 33137), (587, 33239), (611, 33305), (632, 33332), (683, 33404), (721, 33464), (727, 33491), (770, 33599),

Gene: Asayake_41 Start: 32792, Stop: 33880, Start Num: 156
Candidate Starts for Asayake_41:
(Start: 156 @32792 has 344 MA's), (Start: 212 @32894 has 6 MA's), (221, 32918), (240, 32954), (313, 33092), (412, 33230), (457, 33299), (458, 33302), (551, 33452), (607, 33557), (713, 33692),

Gene: Atiba_41 Start: 32439, Stop: 33527, Start Num: 156
Candidate Starts for Atiba_41:
(Start: 156 @32439 has 344 MA's), (Start: 184 @32490 has 15 MA's), (Start: 212 @32541 has 6 MA's), (221, 32565), (240, 32601), (313, 32739), (340, 32793), (412, 32877), (457, 32946), (458, 32949), (551, 33099), (597, 33177), (607, 33204), (671, 33291), (713, 33339),

Gene: Atlantica_36 Start: 23914, Stop: 22721, Start Num: 148
Candidate Starts for Atlantica_36:
(Start: 148 @23914 has 95 MA's), (371, 23485), (390, 23428), (404, 23404), (551, 23176), (612, 23050), (618, 23038), (632, 23017), (720, 22879), (743, 22798), (770, 22750),

Gene: Attis_34 Start: 27696, Stop: 28778, Start Num: 154
Candidate Starts for Attis_34:
(Start: 86 @27585 has 6 MA's), (Start: 154 @27696 has 64 MA's), (Start: 184 @27750 has 15 MA's), (245, 27870), (405, 28125), (418, 28155), (458, 28215), (493, 28281), (505, 28305), (721, 28635), (727, 28662), (769, 28767),

Gene: AugsMagnumOpus_38 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for AugsMagnumOpus_38:
(Start: 150 @26782 has 130 MA's), (Start: 175 @26743 has 11 MA's), (198, 26695), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (323, 26431), (348, 26395), (407, 26338), (455, 26260), (471, 26236), (489, 26197), (530, 26125), (547, 26113), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (647, 25936), (716, 25822), (728, 25777), (729, 25774), (732, 25765), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Auxilium_38 Start: 25309, Stop: 24170, Start Num: 156
Candidate Starts for Auxilium_38:
(Start: 156 @25309 has 344 MA's), (Start: 184 @25258 has 15 MA's), (270, 25090), (279, 25072), (351, 24940), (407, 24862), (412, 24850), (457, 24775), (462, 24766), (493, 24706), (553, 24616), (608, 24511), (618, 24490), (635, 24463), (715, 24340), (721, 24316), (724, 24301), (747, 24226), (761, 24196),

Gene: Ayotoya_39 Start: 32055, Stop: 30784, Start Num: 148
Candidate Starts for Ayotoya_39:
(Start: 148 @32055 has 95 MA's), (Start: 156 @32040 has 344 MA's), (204, 31938), (226, 31896), (230, 31884), (269, 31809), (306, 31734), (310, 31725), (315, 31707), (374, 31608), (375, 31605), (416, 31515), (497, 31410), (554, 31314), (558, 31308), (639, 31146), (714, 31005), (725, 30960), (740, 30909), (743, 30900), (750, 30885), (759, 30873), (765, 30861), (791, 30822),

Gene: Azaz_36 Start: 23984, Stop: 22791, Start Num: 148
Candidate Starts for Azaz_36:
(Start: 148 @23984 has 95 MA's), (204, 23870), (371, 23555), (551, 23246), (612, 23120), (618, 23108), (632, 23087), (770, 22820),

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 130 MA's), (Start: 212 @25693 has 6 MA's), (230, 25648), (270, 25576), (294, 25528), (317, 25474), (323, 25465), (348, 25429), (407, 25372), (551, 25141), (564, 25129), (576, 25108), (601, 25054), (603, 25048), (610, 25027), (616, 25012), (628, 24994), (649, 24967), (716, 24856), (729, 24808), (730, 24805), (737, 24778), (739, 24772), (743, 24760), (753, 24739), (763, 24721),

Gene: BAKA_86 Start: 53552, Stop: 54781, Start Num: 125
Candidate Starts for BAKA_86:
(Start: 125 @53552 has 30 MA's), (Start: 136 @53570 has 1 MA's), (Start: 162 @53609 has 1 MA's), (269, 53846), (317, 53954), (400, 54074), (401, 54077), (405, 54086), (412, 54101), (426, 54140), (468, 54218), (526, 54323), (537, 54335), (550, 54338), (557, 54347), (588, 54398), (589, 54401), (599, 54419), (650, 54515), (695, 54572), (736, 54692), (737, 54695), (745, 54719), (757, 54743), (759, 54746),

Gene: BEEST_41 Start: 32792, Stop: 33880, Start Num: 156
Candidate Starts for BEEST_41:
(Start: 156 @32792 has 344 MA's), (Start: 212 @32894 has 6 MA's), (221, 32918), (240, 32954), (313, 33092), (412, 33230), (457, 33299), (458, 33302), (551, 33452), (607, 33557), (713, 33692),

Gene: BENtherdunthat_50 Start: 31782, Stop: 32852, Start Num: 156
Candidate Starts for BENtherdunthat_50:
(122, 31740), (Start: 156 @31782 has 344 MA's), (Start: 184 @31833 has 15 MA's), (219, 31905), (223, 31911), (237, 31938), (340, 32133), (351, 32142), (401, 32193), (405, 32202), (407, 32205), (412, 32217), (433, 32262), (462, 32298), (480, 32334), (498, 32367), (500, 32370), (505, 32382), (611, 32550), (683, 32649), (721, 32709), (727, 32736), (728, 32739), (735, 32766), (737, 32772), (741, 32784), (769, 32841),

Gene: BGlluviae_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for BGlluviae_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: Babushka_33 Start: 23843, Stop: 22650, Start Num: 148
Candidate Starts for Babushka_33:
(Start: 148 @23843 has 95 MA's), (390, 23357), (404, 23333), (551, 23105), (612, 22979), (618, 22967), (632, 22946), (720, 22808), (770, 22679),

Gene: BabyJohn_32 Start: 26607, Stop: 25474, Start Num: 140
Candidate Starts for BabyJohn_32:
(Start: 140 @26607 has 7 MA's), (Start: 190 @26526 has 8 MA's), (Start: 212 @26472 has 6 MA's), (230, 26427), (318, 26250), (323, 26244), (348, 26208), (407, 26151), (455, 26073), (551, 25920), (564, 25908), (601, 25833), (603, 25827), (610, 25806), (616, 25791), (628, 25773), (647, 25749), (729, 25587), (737, 25557), (739, 25551), (743, 25539), (763, 25500),

Gene: BabyRay_33 Start: 26385, Stop: 25249, Start Num: 140
Candidate Starts for BabyRay_33:
(Start: 140 @26385 has 7 MA's), (Start: 212 @26250 has 6 MA's), (318, 26028), (323, 26022), (330, 26007), (348, 25986), (407, 25929), (455, 25851), (551, 25698), (564, 25686), (601, 25611), (603, 25605), (610, 25584), (616, 25569), (628, 25551), (729, 25365), (737, 25335), (739, 25329), (743, 25317), (753, 25296), (763, 25278),

Gene: Bachita_85 Start: 52123, Stop: 53421, Start Num: 155
Candidate Starts for Bachita_85:
(Start: 155 @52123 has 15 MA's), (188, 52189), (233, 52291), (249, 52318), (259, 52330), (274, 52360), (290, 52399), (301, 52417), (333, 52483), (342, 52492), (378, 52576), (420, 52666), (497, 52825), (500, 52831), (502, 52834), (577, 52960), (606, 53029), (646, 53107), (676, 53158), (712, 53185), (720, 53221), (721, 53224), (722, 53227), (723, 53233), (725, 53245), (727, 53251), (728, 53254), (729, 53257), (737, 53287), (758, 53335), (762, 53344), (779, 53374),

Gene: Bactobuster_35 Start: 27867, Stop: 26860, Start Num: 212
Candidate Starts for Bactobuster_35:
(Start: 150 @27987 has 130 MA's), (Start: 175 @27951 has 11 MA's), (Start: 212 @27867 has 6 MA's), (230, 27822), (315, 27654), (348, 27603), (430, 27492), (455, 27468), (476, 27435), (480, 27423), (505, 27375), (551, 27315), (554, 27312), (564, 27303), (601, 27228), (603, 27222), (610, 27201), (616, 27186), (628, 27168), (729, 26982), (737, 26952), (739, 26946), (743, 26934), (763,

26895), (780, 26871),

Gene: BadWillHunting_41 Start: 24502, Stop: 23315, Start Num: 148
Candidate Starts for BadWillHunting_41:
(87, 24592), (Start: 148 @24502 has 95 MA's), (371, 24073), (612, 23638), (712, 23503), (772, 23335),

Gene: Baehexic_34 Start: 26830, Stop: 25697, Start Num: 144
Candidate Starts for Baehexic_34:
(Start: 144 @26830 has 10 MA's), (Start: 184 @26776 has 15 MA's), (Start: 212 @26707 has 6 MA's), (230, 26662), (313, 26506), (323, 26479), (348, 26443), (407, 26386), (480, 26263), (489, 26245), (551, 26155), (564, 26143), (601, 26068), (603, 26062), (610, 26041), (616, 26026), (628, 26008), (649, 25981), (654, 25972), (716, 25870), (729, 25822), (737, 25792), (739, 25786), (743, 25774), (763, 25735),

Gene: BaghaKamala_40 Start: 31917, Stop: 33005, Start Num: 156
Candidate Starts for BaghaKamala_40:
(52, 31695), (Start: 156 @31917 has 344 MA's), (Start: 184 @31968 has 15 MA's), (Start: 212 @32019 has 6 MA's), (221, 32043), (240, 32079), (313, 32217), (340, 32271), (412, 32355), (457, 32424), (458, 32427), (551, 32577), (607, 32682), (671, 32769), (713, 32817),

Gene: Bagrid_82 Start: 52202, Stop: 53431, Start Num: 125
Candidate Starts for Bagrid_82:
(Start: 125 @52202 has 30 MA's), (Start: 136 @52220 has 1 MA's), (Start: 162 @52259 has 1 MA's), (269, 52496), (317, 52604), (400, 52724), (401, 52727), (405, 52736), (412, 52751), (426, 52790), (468, 52868), (526, 52973), (537, 52985), (550, 52988), (557, 52997), (588, 53048), (589, 53051), (599, 53069), (650, 53165), (695, 53222), (736, 53342), (737, 53345), (745, 53369), (757, 53393), (759, 53396),

Gene: BangNhom_33 Start: 26587, Stop: 25466, Start Num: 150
Candidate Starts for BangNhom_33:
(Start: 105 @26632 has 3 MA's), (Start: 124 @26605 has 7 MA's), (Start: 150 @26587 has 130 MA's), (Start: 190 @26518 has 8 MA's), (Start: 212 @26464 has 6 MA's), (317, 26245), (323, 26236), (348, 26200), (400, 26158), (405, 26146), (407, 26143), (530, 25930), (551, 25912), (601, 25825), (603, 25819), (610, 25798), (616, 25783), (628, 25765), (716, 25627), (729, 25579), (737, 25549), (739, 25543), (743, 25531), (763, 25492),

Gene: Banquo_37 Start: 27140, Stop: 26034, Start Num: 187
Candidate Starts for Banquo_37:
(Start: 187 @27140 has 13 MA's), (341, 26819), (401, 26756), (407, 26744), (426, 26693), (511, 26531), (541, 26483), (613, 26354), (642, 26306), (701, 26210), (732, 26120), (739, 26093),

Gene: BarrelRoll_41 Start: 32462, Stop: 33550, Start Num: 156
Candidate Starts for BarrelRoll_41:
(Start: 156 @32462 has 344 MA's), (Start: 184 @32513 has 15 MA's), (Start: 212 @32564 has 6 MA's), (221, 32588), (240, 32624), (313, 32762), (340, 32816), (412, 32900), (457, 32969), (458, 32972), (551, 33122), (597, 33200), (607, 33227), (671, 33314), (713, 33362),

Gene: Basilisk_34 Start: 24758, Stop: 23574, Start Num: 148
Candidate Starts for Basilisk_34:
(Start: 148 @24758 has 95 MA's), (261, 24539), (325, 24404), (371, 24329), (375, 24314), (489, 24113), (608, 23906), (612, 23894), (622, 23876), (632, 23861), (712, 23759), (717, 23732), (720, 23723),

Gene: BasketStar_41 Start: 28246, Stop: 27074, Start Num: 156
Candidate Starts for BasketStar_41:
(Start: 156 @28246 has 344 MA's), (Start: 184 @28195 has 15 MA's), (270, 28027), (279, 28009), (351, 27877), (407, 27799), (412, 27787), (457, 27712), (462, 27703), (493, 27643), (553, 27553), (608, 27448), (618, 27427), (635, 27400), (715, 27277), (721, 27253), (724, 27238), (770, 27118), (786, 27091),

Gene: BatStarr_39 Start: 31901, Stop: 33094, Start Num: 86
Candidate Starts for BatStarr_39:
(Start: 86 @31901 has 6 MA's), (Start: 154 @32012 has 64 MA's), (Start: 184 @32066 has 15 MA's), (245, 32186), (401, 32432), (405, 32441), (418, 32471), (458, 32531), (493, 32597), (505, 32621), (721, 32951), (727, 32978), (769, 33083),

Gene: Batiatus_43 Start: 33150, Stop: 34277, Start Num: 156
Candidate Starts for Batiatus_43:
(88, 33048), (123, 33105), (Start: 156 @33150 has 344 MA's), (Start: 162 @33159 has 1 MA's), (240, 33321), (263, 33372), (270, 33390), (289, 33435), (340, 33531), (351, 33540), (407, 33621), (418, 33645), (460, 33714), (480, 33753), (489, 33771), (491, 33774), (498, 33786), (500, 33789), (505, 33801), (513, 33816), (527, 33840), (536, 33846), (557, 33867), (585, 33903), (587, 33906), (601, 33942), (603, 33948), (608, 33963), (614, 33978), (671, 34047), (678, 34062), (715, 34104), (725, 34149), (728, 34158), (739, 34197), (745, 34215), (756, 34236), (763, 34251), (769, 34260), (770, 34263),

Gene: Bauer_39 Start: 26996, Stop: 28129, Start Num: 156
Candidate Starts for Bauer_39:
(53, 26783), (59, 26819), (74, 26861), (139, 26984), (Start: 156 @26996 has 344 MA's), (208, 27089), (252, 27182), (351, 27359), (407, 27422), (412, 27434), (458, 27512), (466, 27524), (492, 27575), (544, 27656), (553, 27668), (573, 27695), (601, 27749), (670, 27869), (681, 27890), (721, 27962), (724, 27977), (745, 28049), (747, 28052), (761, 28082), (763, 28085), (783, 28118),

Gene: BaxterFox_37 Start: 31379, Stop: 30117, Start Num: 148
Candidate Starts for BaxterFox_37:
(Start: 148 @31379 has 95 MA's), (218, 31223), (314, 31040), (328, 31004), (371, 30944), (374, 30932), (390, 30887), (409, 30854), (424, 30812), (558, 30644), (561, 30641), (601, 30566), (607, 30548), (608, 30545), (639, 30488), (708, 30371), (712, 30359), (725, 30302), (743, 30242), (750, 30227), (759, 30215), (763, 30206), (786, 30167),

Gene: Beakin_43 Start: 31583, Stop: 32701, Start Num: 156
Candidate Starts for Beakin_43:
(Start: 156 @31583 has 344 MA's), (Start: 162 @31592 has 1 MA's), (240, 31754), (317, 31919), (340, 31955), (351, 31964), (418, 32069), (460, 32138), (480, 32177), (489, 32195), (491, 32198), (498, 32210), (500, 32213), (505, 32225), (513, 32240), (527, 32264), (536, 32270), (557, 32291), (585, 32327), (587, 32330), (601, 32366), (603, 32372), (608, 32387), (614, 32402), (671, 32471), (678, 32486), (715, 32528), (725, 32573), (728, 32582), (739, 32621), (745, 32639), (756, 32660), (763, 32675), (769, 32684), (770, 32687),

Gene: Beauxregard13_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for Beauxregard13_36:
(Start: 150 @26790 has 130 MA's), (Start: 175 @26751 has 11 MA's), (198, 26703), (Start: 212 @26667 has 6 MA's), (230, 26622), (313, 26466), (323, 26439), (348, 26403), (407, 26346), (455, 26268), (471, 26244), (489, 26205), (530, 26133), (547, 26121), (551, 26115), (564, 26103), (601, 26028), (603, 26022), (610, 26001), (616, 25986), (628, 25968), (647, 25944), (716, 25830), (728, 25785), (729, 25782), (732, 25773), (737, 25752), (739, 25746), (743, 25734), (763, 25695),

Gene: Bedetta_40 Start: 24167, Stop: 22980, Start Num: 148
Candidate Starts for Bedetta_40:
(87, 24257), (Start: 148 @24167 has 95 MA's), (371, 23738), (612, 23303), (712, 23168),

Gene: BeeGee_42 Start: 31829, Stop: 32935, Start Num: 156
Candidate Starts for BeeGee_42:
(115, 31772), (Start: 156 @31829 has 344 MA's), (Start: 184 @31880 has 15 MA's), (237, 31985), (263, 32024), (410, 32258), (412, 32264), (457, 32333), (458, 32336), (476, 32366), (500, 32417), (505, 32429), (646, 32657), (689, 32717), (721, 32792), (728, 32822), (769, 32924),

Gene: Beem_81 Start: 53063, Stop: 54292, Start Num: 125
Candidate Starts for Beem_81:
(Start: 125 @53063 has 30 MA's), (Start: 136 @53081 has 1 MA's), (Start: 162 @53120 has 1 MA's), (269, 53357), (317, 53465), (400, 53585), (401, 53588), (405, 53597), (412, 53612), (426, 53651), (468, 53729), (526, 53834), (537, 53846), (550, 53849), (557, 53858), (588, 53909), (589, 53912), (599, 53930), (650, 54026), (695, 54083), (736, 54203), (737, 54206), (745, 54230), (757, 54254), (759, 54257),

Gene: Beenie_33 Start: 29179, Stop: 30306, Start Num: 156
Candidate Starts for Beenie_33:
(Start: 124 @29140 has 7 MA's), (Start: 156 @29179 has 344 MA's), (Start: 184 @29233 has 15 MA's), (237, 29356), (257, 29389), (302, 29479), (315, 29512), (457, 29707), (458, 29710), (480, 29752), (500, 29788), (688, 30085), (721, 30163), (727, 30190), (732, 30205), (739, 30232), (769, 30295),

Gene: Beezoo_43 Start: 33442, Stop: 34530, Start Num: 156
Candidate Starts for Beezoo_43:
(Start: 156 @33442 has 344 MA's), (Start: 212 @33544 has 6 MA's), (221, 33568), (240, 33604), (313, 33742), (340, 33796), (412, 33880), (457, 33949), (458, 33952), (551, 34102), (607, 34207), (671, 34294), (713, 34342), (757, 34486),

Gene: Bella96_42 Start: 33333, Stop: 34421, Start Num: 156
Candidate Starts for Bella96_42:
(Start: 156 @33333 has 344 MA's), (Start: 184 @33384 has 15 MA's), (Start: 212 @33435 has 6 MA's), (221, 33459), (240, 33495), (300, 33609), (313, 33633), (340, 33687), (412, 33771), (457, 33840), (551, 33993), (607, 34098), (671, 34185), (713, 34233), (757, 34377),

Gene: BellaJr_39 Start: 28072, Stop: 29196, Start Num: 156
Candidate Starts for BellaJr_39:
(Start: 156 @28072 has 344 MA's), (208, 28165), (252, 28258), (351, 28435), (407, 28498), (412, 28510), (458, 28588), (466, 28600), (492, 28651), (544, 28732), (573, 28771), (601, 28825), (635, 28894), (720, 29035), (721, 29038), (724, 29053), (736, 29098), (747, 29128), (761, 29158),

Gene: Belladonna_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Belladonna_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: BellusTerra_33 Start: 26249, Stop: 25128, Start Num: 150
Candidate Starts for BellusTerra_33:

(Start: 105 @26294 has 3 MA's), (Start: 124 @26267 has 7 MA's), (Start: 150 @26249 has 130 MA's), (Start: 190 @26180 has 8 MA's), (Start: 212 @26126 has 6 MA's), (317, 25907), (323, 25898), (348, 25862), (400, 25820), (405, 25808), (407, 25805), (455, 25727), (530, 25592), (551, 25574), (601, 25487), (610, 25460), (616, 25445), (628, 25427), (716, 25289), (729, 25241), (737, 25211), (739, 25205), (743, 25193), (763, 25154),

Gene: BenchScraper_39 Start: 27267, Stop: 26128, Start Num: 156
Candidate Starts for BenchScraper_39:
(Start: 156 @27267 has 344 MA's), (Start: 184 @27216 has 15 MA's), (270, 27048), (279, 27030), (351, 26898), (407, 26820), (412, 26808), (413, 26802), (457, 26733), (462, 26724), (493, 26664), (553, 26574), (608, 26469), (618, 26448), (635, 26421), (715, 26298), (721, 26274), (724, 26259), (747, 26184), (761, 26154),

Gene: BetterKatz_39 Start: 31582, Stop: 30311, Start Num: 148
Candidate Starts for BetterKatz_39:
(Start: 148 @31582 has 95 MA's), (Start: 156 @31567 has 344 MA's), (204, 31465), (226, 31423), (230, 31411), (269, 31336), (306, 31261), (310, 31252), (315, 31234), (374, 31135), (375, 31132), (416, 31042), (497, 30937), (558, 30835), (568, 30817), (639, 30673), (714, 30532), (725, 30487), (740, 30436), (743, 30427), (759, 30400), (765, 30388), (791, 30349),

Gene: Bhageatrice_40 Start: 29135, Stop: 27957, Start Num: 156
Candidate Starts for Bhageatrice_40:
(Start: 130 @29174 has 2 MA's), (Start: 156 @29135 has 344 MA's), (214, 29018), (279, 28898), (351, 28766), (407, 28688), (457, 28601), (462, 28592), (493, 28532), (553, 28442), (608, 28337), (610, 28331), (635, 28289), (715, 28172), (721, 28148), (724, 28133), (770, 28013),

Gene: Bialota_37 Start: 31315, Stop: 32397, Start Num: 154
Candidate Starts for Bialota_37:
(Start: 86 @31204 has 6 MA's), (Start: 154 @31315 has 64 MA's), (Start: 184 @31369 has 15 MA's), (245, 31489), (405, 31744), (418, 31774), (458, 31834), (493, 31900), (505, 31924), (721, 32254), (727, 32281), (769, 32386),

Gene: BiancaTri92_35 Start: 27662, Stop: 26547, Start Num: 150
Candidate Starts for BiancaTri92_35:
(Start: 125 @27692 has 30 MA's), (Start: 150 @27662 has 130 MA's), (Start: 184 @27611 has 15 MA's), (Start: 212 @27542 has 6 MA's), (230, 27497), (313, 27341), (314, 27338), (323, 27314), (348, 27278), (407, 27221), (455, 27143), (489, 27080), (551, 26990), (564, 26978), (601, 26903), (603, 26897), (610, 26876), (616, 26861), (628, 26843), (729, 26657), (737, 26627), (739, 26621), (743, 26609), (763, 26570),

Gene: BigPhil_38 Start: 27903, Stop: 29021, Start Num: 156
Candidate Starts for BigPhil_38:
(Start: 156 @27903 has 344 MA's), (240, 28074), (317, 28239), (340, 28275), (351, 28284), (407, 28365), (418, 28389), (460, 28458), (480, 28497), (489, 28515), (491, 28518), (498, 28530), (500, 28533), (505, 28545), (513, 28560), (527, 28584), (536, 28590), (557, 28611), (585, 28647), (587, 28650), (601, 28686), (603, 28692), (607, 28704), (608, 28707), (614, 28722), (671, 28791), (678, 28806), (715, 28848), (725, 28893), (728, 28902), (739, 28941), (745, 28959), (756, 28980), (763, 28995), (769, 29004), (770, 29007),

Gene: Bigflo_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for Bigflo_36:
(Start: 150 @26789 has 130 MA's), (Start: 175 @26750 has 11 MA's), (198, 26702), (Start: 212 @26666 has 6 MA's), (230, 26621), (313, 26465), (323, 26438), (348, 26402), (407, 26345), (455,

26267), (471, 26243), (489, 26204), (530, 26132), (547, 26120), (551, 26114), (564, 26102), (601, 26027), (603, 26021), (610, 26000), (616, 25985), (628, 25967), (647, 25943), (716, 25829), (728, 25784), (729, 25781), (732, 25772), (737, 25751), (739, 25745), (743, 25733), (763, 25694),

Gene: Biglebops_36 Start: 31976, Stop: 33070, Start Num: 156
Candidate Starts for Biglebops_36:
(28, 31625), (31, 31640), (47, 31733), (52, 31754), (80, 31847), (Start: 156 @31976 has 344 MA's), (Start: 184 @32027 has 15 MA's), (221, 32102), (240, 32138), (289, 32234), (300, 32252), (313, 32276), (337, 32324), (340, 32330), (432, 32462), (457, 32495), (480, 32540), (551, 32648), (607, 32753), (654, 32813), (713, 32888), (741, 32996), (757, 33032),

Gene: BillyTP_42 Start: 29080, Stop: 27908, Start Num: 156
Candidate Starts for BillyTP_42:
(Start: 156 @29080 has 344 MA's), (214, 28963), (270, 28861), (279, 28843), (351, 28711), (407, 28633), (412, 28621), (457, 28546), (462, 28537), (493, 28477), (553, 28387), (608, 28282), (618, 28261), (632, 28237), (635, 28234), (680, 28165), (715, 28111), (721, 28087), (724, 28072), (770, 27952), (786, 27925),

Gene: Bipolar_39 Start: 31381, Stop: 32499, Start Num: 156
Candidate Starts for Bipolar_39:
(Start: 156 @31381 has 344 MA's), (223, 31519), (240, 31552), (265, 31600), (317, 31717), (340, 31753), (351, 31762), (418, 31867), (460, 31936), (480, 31975), (491, 31996), (498, 32008), (500, 32011), (505, 32023), (513, 32038), (527, 32062), (536, 32068), (557, 32089), (585, 32125), (587, 32128), (601, 32164), (603, 32170), (608, 32185), (671, 32269), (678, 32284), (698, 32302), (715, 32326), (725, 32371), (728, 32380), (739, 32419), (745, 32437), (756, 32458), (763, 32473), (769, 32482), (770, 32485),

Gene: Birdsong_47 Start: 32758, Stop: 33852, Start Num: 156
Candidate Starts for Birdsong_47:
(62, 32578), (74, 32617), (Start: 156 @32758 has 344 MA's), (Start: 184 @32809 has 15 MA's), (223, 32887), (237, 32914), (265, 32959), (284, 33001), (317, 33073), (340, 33109), (351, 33118), (405, 33178), (412, 33193), (419, 33211), (480, 33310), (491, 33331), (498, 33343), (500, 33346), (505, 33358), (519, 33382), (587, 33460), (632, 33553), (683, 33625), (721, 33685), (737, 33748), (741, 33760), (770, 33820),

Gene: Bjanes7_34 Start: 27585, Stop: 28778, Start Num: 86
Candidate Starts for Bjanes7_34:
(Start: 85 @27579 has 2 MA's), (Start: 86 @27585 has 6 MA's), (Start: 154 @27696 has 64 MA's), (Start: 184 @27750 has 15 MA's), (245, 27870), (405, 28125), (418, 28155), (458, 28215), (493, 28281), (505, 28305), (559, 28374), (585, 28410), (721, 28635), (727, 28662), (769, 28767),

Gene: BlackSpider_36 Start: 26664, Stop: 27788, Start Num: 156
Candidate Starts for BlackSpider_36:
(53, 26439), (59, 26475), (Start: 156 @26664 has 344 MA's), (252, 26850), (351, 27027), (407, 27090), (412, 27102), (458, 27180), (466, 27192), (492, 27243), (544, 27324), (553, 27336), (573, 27363), (601, 27417), (720, 27627), (721, 27630), (724, 27645), (736, 27690), (747, 27720), (761, 27750),

Gene: Blarby_54 Start: 32907, Stop: 34010, Start Num: 156
Candidate Starts for Blarby_54:
(Start: 156 @32907 has 344 MA's), (Start: 184 @32955 has 15 MA's), (223, 33036), (235, 33063), (340, 33276), (364, 33300), (407, 33348), (457, 33429), (493, 33498), (498, 33507), (527, 33561), (551, 33582), (597, 33660), (603, 33675), (646, 33735), (671, 33774), (678, 33789), (695, 33813), (715, 33840), (721, 33864), (725, 33885), (728, 33894), (741, 33939), (745, 33951),

Gene: Blizzard_41 Start: 32792, Stop: 33880, Start Num: 156
Candidate Starts for Blizzard_41:
(Start: 156 @32792 has 344 MA's), (Start: 212 @32894 has 6 MA's), (221, 32918), (240, 32954), (313, 33092), (412, 33230), (457, 33299), (458, 33302), (551, 33452), (607, 33557), (713, 33692),

Gene: BloominB_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for BloominB_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: BlueBird_34 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for BlueBird_34:
(Start: 150 @26297 has 130 MA's), (198, 26210), (Start: 212 @26174 has 6 MA's), (230, 26129), (313, 25973), (315, 25961), (317, 25955), (348, 25910), (405, 25856), (407, 25853), (455, 25775), (551, 25622), (564, 25610), (587, 25571), (601, 25535), (603, 25529), (610, 25508), (616, 25493), (628, 25475), (649, 25448), (716, 25337), (729, 25289), (737, 25259), (739, 25253), (743, 25241), (763, 25202),

Gene: BlueShadow_39 Start: 27645, Stop: 26479, Start Num: 156
Candidate Starts for BlueShadow_39:
(Start: 156 @27645 has 344 MA's), (270, 27426), (279, 27408), (351, 27276), (407, 27198), (412, 27186), (457, 27111), (462, 27102), (493, 27042), (553, 26952), (608, 26847), (618, 26826), (632, 26802), (635, 26799), (715, 26676), (720, 26655), (721, 26652), (724, 26637), (786, 26490),

Gene: BobaPhett_43 Start: 33216, Stop: 34334, Start Num: 156
Candidate Starts for BobaPhett_43:
(Start: 156 @33216 has 344 MA's), (223, 33354), (240, 33387), (265, 33435), (317, 33552), (340, 33588), (351, 33597), (418, 33702), (460, 33771), (491, 33831), (498, 33843), (500, 33846), (505, 33858), (513, 33873), (527, 33897), (536, 33903), (557, 33924), (585, 33960), (587, 33963), (601, 33999), (603, 34005), (607, 34017), (608, 34020), (671, 34104), (678, 34119), (715, 34161), (725, 34206), (728, 34215), (739, 34254), (745, 34272), (756, 34293), (763, 34308), (769, 34317), (770, 34320),

Gene: Bobby_80 Start: 53134, Stop: 54363, Start Num: 125
Candidate Starts for Bobby_80:
(Start: 125 @53134 has 30 MA's), (Start: 136 @53152 has 1 MA's), (Start: 162 @53191 has 1 MA's), (269, 53428), (317, 53536), (400, 53656), (401, 53659), (405, 53668), (412, 53683), (468, 53800), (537, 53917), (550, 53920), (557, 53929), (588, 53980), (589, 53983), (599, 54001), (650, 54097), (736, 54274), (737, 54277), (745, 54301), (757, 54325), (759, 54328),

Gene: Bobi_46 Start: 33890, Stop: 35017, Start Num: 156
Candidate Starts for Bobi_46:
(88, 33788), (123, 33845), (Start: 156 @33890 has 344 MA's), (Start: 162 @33899 has 1 MA's), (240, 34061), (263, 34112), (270, 34130), (289, 34175), (340, 34271), (351, 34280), (418, 34385), (460, 34454), (491, 34514), (498, 34526), (500, 34529), (505, 34541), (513, 34556), (527, 34580), (536, 34586), (557, 34607), (585, 34643), (587, 34646), (601, 34682), (603, 34688), (607, 34700), (608, 34703), (671, 34787), (678, 34802), (715, 34844), (725, 34889), (728, 34898), (739, 34937), (745,

34955), (756, 34976), (763, 34991), (769, 35000), (770, 35003),

Gene: Bock_39 Start: 31274, Stop: 30003, Start Num: 148
Candidate Starts for Bock_39:
(Start: 148 @31274 has 95 MA's), (Start: 156 @31259 has 344 MA's), (204, 31157), (226, 31115), (230, 31103), (269, 31028), (306, 30953), (310, 30944), (315, 30926), (374, 30827), (375, 30824), (416, 30734), (491, 30638), (497, 30629), (543, 30548), (558, 30527), (568, 30509), (603, 30434), (639, 30365), (714, 30224), (725, 30179), (740, 30128), (743, 30119), (759, 30092), (765, 30080), (791, 30041),

Gene: Boiiii_41 Start: 32794, Stop: 33882, Start Num: 156
Candidate Starts for Boiiii_41:
(Start: 156 @32794 has 344 MA's), (Start: 212 @32896 has 6 MA's), (221, 32920), (240, 32956), (313, 33094), (412, 33232), (457, 33301), (458, 33304), (551, 33454), (607, 33559), (713, 33694),

Gene: Bombitas_71 Start: 50226, Stop: 51455, Start Num: 125
Candidate Starts for Bombitas_71:
(Start: 125 @50226 has 30 MA's), (Start: 136 @50244 has 1 MA's), (Start: 162 @50283 has 1 MA's), (269, 50520), (317, 50628), (400, 50748), (401, 50751), (405, 50760), (412, 50775), (426, 50814), (468, 50892), (526, 50997), (537, 51009), (550, 51012), (557, 51021), (588, 51072), (589, 51075), (599, 51093), (650, 51189), (695, 51246), (736, 51366), (737, 51369), (745, 51393), (757, 51417), (759, 51420),

Gene: BoostSeason_44 Start: 34144, Stop: 35244, Start Num: 156
Candidate Starts for BoostSeason_44:
(Start: 156 @34144 has 344 MA's), (165, 34162), (Start: 184 @34195 has 15 MA's), (221, 34270), (240, 34306), (300, 34420), (313, 34444), (340, 34498), (436, 34639), (457, 34663), (458, 34666), (480, 34708), (551, 34816), (607, 34921), (643, 34966), (654, 34981), (741, 35173),

Gene: Bosnia_39 Start: 32012, Stop: 33094, Start Num: 154
Candidate Starts for Bosnia_39:
(Start: 86 @31901 has 6 MA's), (Start: 154 @32012 has 64 MA's), (Start: 184 @32066 has 15 MA's), (245, 32186), (302, 32297), (401, 32432), (458, 32531), (493, 32597), (505, 32621), (585, 32726), (721, 32951), (727, 32978), (741, 33026), (769, 33083),

Gene: BotCity_49 Start: 32558, Stop: 33655, Start Num: 156
Candidate Starts for BotCity_49:
(Start: 156 @32558 has 344 MA's), (Start: 184 @32609 has 15 MA's), (211, 32657), (223, 32687), (237, 32714), (284, 32801), (315, 32867), (317, 32873), (340, 32909), (351, 32918), (405, 32978), (412, 32993), (419, 33011), (433, 33038), (480, 33110), (498, 33143), (500, 33146), (505, 33158), (519, 33182), (611, 33326), (683, 33425), (721, 33485), (727, 33512), (741, 33560), (745, 33572), (770, 33620),

Gene: BoyNamedSue_39 Start: 31289, Stop: 32371, Start Num: 154
Candidate Starts for BoyNamedSue_39:
(Start: 86 @31178 has 6 MA's), (Start: 154 @31289 has 64 MA's), (Start: 184 @31343 has 15 MA's), (245, 31463), (418, 31748), (458, 31808), (493, 31874), (505, 31898), (721, 32228), (741, 32303), (769, 32360),

Gene: Bradissa_36 Start: 31469, Stop: 32551, Start Num: 154
Candidate Starts for Bradissa_36:
(Start: 154 @31469 has 64 MA's), (Start: 215 @31586 has 1 MA's), (265, 31679), (405, 31901), (420, 31937), (458, 31991), (495, 32060), (500, 32069), (721, 32408), (727, 32435), (769, 32540),

Gene: Bradman_34 Start: 25599, Stop: 24475, Start Num: 150
Candidate Starts for Bradman_34:
(Start: 150 @25599 has 130 MA's), (194, 25521), (Start: 212 @25476 has 6 MA's), (230, 25431), (265, 25371), (323, 25248), (348, 25212), (405, 25158), (407, 25155), (480, 25032), (481, 25029), (489, 25014), (547, 24930), (551, 24924), (576, 24891), (585, 24876), (601, 24837), (610, 24810), (616, 24795), (628, 24777), (649, 24750), (716, 24639), (729, 24591), (730, 24588), (732, 24582), (737, 24561), (739, 24555), (743, 24543), (763, 24504),

Gene: Bran_28 Start: 25552, Stop: 24428, Start Num: 179
Candidate Starts for Bran_28:
(Start: 179 @25552 has 3 MA's), (188, 25537), (201, 25513), (253, 25399), (271, 25360), (288, 25318), (308, 25285), (311, 25276), (322, 25249), (331, 25231), (410, 25132), (418, 25111), (426, 25087), (463, 25027), (503, 24985), (507, 24973), (512, 24967), (523, 24946), (563, 24892), (565, 24889), (567, 24886), (578, 24865), (613, 24781), (619, 24775), (630, 24757), (651, 24727), (695, 24670), (721, 24613), (724, 24598), (725, 24592), (728, 24583), (731, 24574), (732, 24571), (737, 24550), (739, 24544), (745, 24526), (757, 24502), (770, 24481), (772, 24478), (777, 24469),

Gene: BrayBeast_32 Start: 24672, Stop: 23518, Start Num: 156
Candidate Starts for BrayBeast_32:
(Start: 156 @24672 has 344 MA's), (185, 24618), (300, 24369), (317, 24324), (328, 24303), (330, 24300), (352, 24276), (412, 24177), (418, 24162), (473, 24078), (572, 23919), (601, 23865), (609, 23841), (616, 23823), (635, 23796), (654, 23769), (671, 23742), (678, 23727), (683, 23718), (724, 23634), (725, 23628), (728, 23619), (741, 23574), (754, 23544),

Gene: BreSam8_36 Start: 26783, Stop: 25638, Start Num: 150
Candidate Starts for BreSam8_36:
(Start: 150 @26783 has 130 MA's), (Start: 175 @26744 has 11 MA's), (198, 26696), (Start: 212 @26660 has 6 MA's), (230, 26615), (313, 26459), (323, 26432), (348, 26396), (407, 26339), (455, 26261), (471, 26237), (489, 26198), (530, 26126), (547, 26114), (551, 26108), (564, 26096), (601, 26021), (603, 26015), (610, 25994), (616, 25979), (628, 25961), (647, 25937), (716, 25823), (728, 25778), (729, 25775), (732, 25766), (737, 25745), (739, 25739), (743, 25727), (763, 25688),

Gene: Bridgette_38 Start: 26661, Stop: 27803, Start Num: 156
Candidate Starts for Bridgette_38:
(Start: 145 @26646 has 5 MA's), (153, 26655), (Start: 156 @26661 has 344 MA's), (337, 27015), (340, 27021), (356, 27039), (418, 27147), (457, 27207), (505, 27300), (587, 27420), (605, 27468), (616, 27498), (678, 27594), (728, 27702), (754, 27777),

Gene: Brocalys_36 Start: 27204, Stop: 28322, Start Num: 156
Candidate Starts for Brocalys_36:
(Start: 156 @27204 has 344 MA's), (Start: 162 @27213 has 1 MA's), (240, 27375), (317, 27540), (340, 27576), (351, 27585), (407, 27666), (418, 27690), (460, 27759), (480, 27798), (489, 27816), (491, 27819), (498, 27831), (500, 27834), (505, 27846), (513, 27861), (527, 27885), (536, 27891), (557, 27912), (585, 27948), (587, 27951), (601, 27987), (603, 27993), (608, 28008), (614, 28023), (671, 28092), (678, 28107), (715, 28149), (725, 28194), (728, 28203), (739, 28242), (745, 28260), (756, 28281), (763, 28296), (769, 28305), (770, 28308),

Gene: BronnyJames_80 Start: 48466, Stop: 49740, Start Num: 103
Candidate Starts for BronnyJames_80:
(81, 48409), (Start: 97 @48451 has 1 MA's), (Start: 103 @48466 has 10 MA's), (106, 48469), (Start: 136 @48514 has 1 MA's), (Start: 162 @48553 has 1 MA's), (338, 48934), (400, 49018), (405, 49030), (407, 49033), (468, 49162), (550, 49282), (589, 49345), (599, 49363), (608, 49387), (650, 49459),

(736, 49636), (737, 49639), (739, 49645), (745, 49663), (753, 49678), (757, 49687), (759, 49690), (785, 49735),

Gene: Brookers_39 Start: 30854, Stop: 31972, Start Num: 156
Candidate Starts for Brookers_39:
(Start: 156 @30854 has 344 MA's), (240, 31025), (317, 31190), (340, 31226), (351, 31235), (407, 31316), (418, 31340), (460, 31409), (480, 31448), (489, 31466), (491, 31469), (498, 31481), (500, 31484), (505, 31496), (513, 31511), (527, 31535), (536, 31541), (557, 31562), (585, 31598), (587, 31601), (601, 31637), (603, 31643), (607, 31655), (608, 31658), (614, 31673), (671, 31742), (678, 31757), (715, 31799), (725, 31844), (728, 31853), (739, 31892), (745, 31910), (756, 31931), (763, 31946), (769, 31955), (770, 31958),

Gene: Brushbloom_46 Start: 32847, Stop: 33965, Start Num: 156
Candidate Starts for Brushbloom_46:
(Start: 156 @32847 has 344 MA's), (Start: 162 @32856 has 1 MA's), (223, 32985), (240, 33018), (265, 33066), (317, 33183), (340, 33219), (351, 33228), (418, 33333), (460, 33402), (491, 33462), (498, 33474), (500, 33477), (505, 33489), (513, 33504), (527, 33528), (536, 33534), (557, 33555), (585, 33591), (587, 33594), (601, 33630), (603, 33636), (607, 33648), (608, 33651), (671, 33735), (678, 33750), (715, 33792), (725, 33837), (728, 33846), (739, 33885), (745, 33903), (756, 33924), (763, 33939), (769, 33948), (770, 33951),

Gene: BrutonGaster_67 Start: 47316, Stop: 48683, Start Num: 140
Candidate Starts for BrutonGaster_67:
(Start: 140 @47316 has 7 MA's), (171, 47364), (Start: 184 @47388 has 15 MA's), (203, 47436), (226, 47496), (249, 47547), (299, 47655), (318, 47703), (321, 47706), (376, 47817), (404, 47886), (409, 47895), (453, 48006), (454, 48009), (472, 48042), (534, 48165), (588, 48255), (594, 48273), (603, 48294), (620, 48336), (656, 48396), (712, 48459), (721, 48498), (723, 48507), (779, 48636), (797, 48672),

Gene: Brylie_39 Start: 31322, Stop: 30051, Start Num: 148
Candidate Starts for Brylie_39:
(Start: 148 @31322 has 95 MA's), (Start: 156 @31307 has 344 MA's), (204, 31205), (226, 31163), (230, 31151), (269, 31076), (306, 31001), (310, 30992), (315, 30974), (374, 30875), (375, 30872), (416, 30782), (497, 30677), (554, 30581), (558, 30575), (639, 30413), (714, 30272), (725, 30227), (740, 30176), (743, 30167), (750, 30152), (759, 30140), (765, 30128), (791, 30089),

Gene: Brynnie_33 Start: 24636, Stop: 23452, Start Num: 148
Candidate Starts for Brynnie_33:
(Start: 148 @24636 has 95 MA's), (261, 24417), (325, 24282), (371, 24207), (375, 24192), (489, 23991), (494, 23982), (608, 23784), (612, 23772), (622, 23754), (632, 23739), (712, 23637), (717, 23610), (720, 23601),

Gene: Budski_49 Start: 33439, Stop: 34533, Start Num: 156
Candidate Starts for Budski_49:
(119, 33394), (Start: 156 @33439 has 344 MA's), (Start: 184 @33490 has 15 MA's), (237, 33595), (265, 33640), (284, 33682), (340, 33790), (351, 33799), (401, 33850), (412, 33874), (419, 33892), (480, 33991), (498, 34024), (500, 34027), (505, 34039), (519, 34063), (610, 34204), (632, 34234), (683, 34306), (691, 34315), (721, 34366), (722, 34369), (728, 34396), (732, 34408), (770, 34501),

Gene: Bugatti_34 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for Bugatti_34:
(Start: 150 @26297 has 130 MA's), (198, 26210), (Start: 212 @26174 has 6 MA's), (230, 26129), (313, 25973), (315, 25961), (317, 25955), (348, 25910), (405, 25856), (407, 25853), (455, 25775), (551,

25622), (564, 25610), (587, 25571), (601, 25535), (603, 25529), (610, 25508), (616, 25493), (628, 25475), (649, 25448), (716, 25337), (729, 25289), (737, 25259), (739, 25253), (743, 25241), (763, 25202),

Gene: Bugsy_36 Start: 26995, Stop: 25874, Start Num: 150
Candidate Starts for Bugsy_36:
(Start: 102 @27058 has 2 MA's), (Start: 150 @26995 has 130 MA's), (Start: 184 @26941 has 15 MA's), (Start: 212 @26872 has 6 MA's), (230, 26827), (297, 26701), (323, 26644), (348, 26608), (405, 26554), (407, 26551), (480, 26428), (489, 26410), (551, 26320), (564, 26308), (601, 26233), (603, 26227), (610, 26206), (616, 26191), (628, 26173), (729, 25987), (737, 25957), (739, 25951), (743, 25939), (763, 25900),

Gene: Bunnybear_33 Start: 29696, Stop: 30778, Start Num: 154
Candidate Starts for Bunnybear_33:
(Start: 86 @29585 has 6 MA's), (Start: 154 @29696 has 64 MA's), (Start: 184 @29750 has 15 MA's), (245, 29870), (418, 30155), (458, 30215), (493, 30281), (505, 30305), (585, 30410), (721, 30635), (727, 30662), (769, 30767),

Gene: Byougenkin_40 Start: 32001, Stop: 33119, Start Num: 156
Candidate Starts for Byougenkin_40:
(Start: 156 @32001 has 344 MA's), (223, 32139), (240, 32172), (265, 32220), (340, 32373), (351, 32382), (407, 32463), (460, 32556), (491, 32616), (498, 32628), (500, 32631), (527, 32682), (557, 32709), (585, 32745), (587, 32748), (601, 32784), (671, 32889), (678, 32904), (715, 32946), (725, 32991), (728, 33000), (739, 33039), (745, 33057), (756, 33078), (763, 33093), (769, 33102), (770, 33105),

Gene: C3_31 Start: 26345, Stop: 25275, Start Num: 184
Candidate Starts for C3_31:
(110, 26453), (Start: 150 @26399 has 130 MA's), (Start: 184 @26345 has 15 MA's), (Start: 212 @26276 has 6 MA's), (313, 26075), (323, 26048), (348, 26012), (405, 25958), (407, 25955), (418, 25928), (455, 25877), (476, 25844), (480, 25832), (489, 25814), (530, 25742), (551, 25724), (564, 25712), (587, 25673), (601, 25637), (603, 25631), (610, 25610), (616, 25595), (628, 25577), (649, 25550), (716, 25439), (729, 25391), (730, 25388), (737, 25361), (739, 25355), (743, 25343), (763, 25304),

Gene: CREW_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for CREW_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: Cafasso_35 Start: 30421, Stop: 29294, Start Num: 148
Candidate Starts for Cafasso_35:
(12, 30901), (Start: 148 @30421 has 95 MA's), (177, 30367), (226, 30262), (314, 30091), (365, 30001), (378, 29965), (428, 29851), (485, 29812), (498, 29788), (568, 29692), (639, 29560), (666, 29515), (717, 29443), (763, 29317),

Gene: CallaLilly_41 Start: 32518, Stop: 33606, Start Num: 156
Candidate Starts for CallaLilly_41:
(16, 31915), (24, 32092), (43, 32257), (52, 32296), (Start: 156 @32518 has 344 MA's), (Start: 184 @32569 has 15 MA's), (Start: 212 @32620 has 6 MA's), (221, 32644), (240, 32680), (313, 32818), (412, 32956), (457, 33025), (458, 33028), (551, 33178), (607, 33283), (713, 33418),

Gene: Calvinny_35 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Calvinny_35:
(Start: 102 @26706 has 2 MA's), (Start: 150 @26643 has 130 MA's), (Start: 184 @26589 has 15 MA's), (Start: 212 @26520 has 6 MA's), (317, 26301), (323, 26292), (348, 26256), (407, 26199), (455, 26121), (476, 26088), (530, 25986), (551, 25968), (564, 25956), (601, 25881), (603, 25875), (610, 25854), (616, 25839), (628, 25821), (647, 25797), (728, 25638), (729, 25635), (737, 25605), (739, 25599), (743, 25587), (763, 25548),

Gene: Camara_36 Start: 23916, Stop: 22723, Start Num: 148
Candidate Starts for Camara_36:
(Start: 148 @23916 has 95 MA's), (371, 23487), (390, 23430), (404, 23406), (551, 23178), (612, 23052), (618, 23040), (632, 23019), (720, 22881), (743, 22800), (770, 22752),

Gene: Capricorn_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Capricorn_41:
(13, 31974), (16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: CaptainTrips_41 Start: 32330, Stop: 33448, Start Num: 156
Candidate Starts for CaptainTrips_41:
(Start: 156 @32330 has 344 MA's), (Start: 162 @32339 has 1 MA's), (240, 32501), (265, 32549), (317, 32666), (340, 32702), (351, 32711), (418, 32816), (460, 32885), (480, 32924), (489, 32942), (491, 32945), (498, 32957), (500, 32960), (505, 32972), (527, 33011), (536, 33017), (557, 33038), (585, 33074), (587, 33077), (601, 33113), (603, 33119), (607, 33131), (608, 33134), (614, 33149), (671, 33218), (678, 33233), (698, 33251), (715, 33275), (725, 33320), (728, 33329), (739, 33368), (745, 33386), (756, 33407), (763, 33422), (769, 33431), (770, 33434),

Gene: Caraxes_33 Start: 24997, Stop: 23882, Start Num: 154
Candidate Starts for Caraxes_33:
(Start: 154 @24997 has 64 MA's), (Start: 184 @24949 has 15 MA's), (198, 24916), (Start: 212 @24880 has 6 MA's), (230, 24835), (315, 24667), (323, 24652), (348, 24616), (400, 24574), (405, 24562), (407, 24559), (460, 24472), (471, 24457), (551, 24328), (564, 24316), (576, 24295), (587, 24277), (601, 24241), (610, 24214), (616, 24199), (628, 24181), (649, 24154), (716, 24043), (729, 23995), (737, 23965), (739, 23959), (743, 23947), (763, 23908),

Gene: Cardigan_97 Start: 58096, Stop: 59343, Start Num: 156
Candidate Starts for Cardigan_97:
(84, 57970), (Start: 156 @58096 has 344 MA's), (233, 58261), (249, 58288), (259, 58300), (283, 58351), (301, 58387), (312, 58405), (342, 58456), (379, 58546), (388, 58567), (444, 58678), (454, 58702), (459, 58711), (467, 58726), (490, 58777), (545, 58861), (587, 58921), (591, 58930), (639, 59038), (663, 59080), (712, 59131), (723, 59179), (728, 59200), (737, 59233), (744, 59254), (760, 59281), (779, 59314),

Gene: CaseJules_42 Start: 32792, Stop: 33880, Start Num: 156
Candidate Starts for CaseJules_42:
(Start: 156 @32792 has 344 MA's), (Start: 212 @32894 has 6 MA's), (221, 32918), (240, 32954), (313, 33092), (412, 33230), (457, 33299), (458, 33302), (551, 33452), (607, 33557), (713, 33692),

Gene: Cashline_38 Start: 32110, Stop: 33216, Start Num: 156
Candidate Starts for Cashline_38:
(115, 32053), (Start: 156 @32110 has 344 MA's), (Start: 184 @32161 has 15 MA's), (237, 32266), (263, 32305), (412, 32545), (457, 32614), (458, 32617), (462, 32623), (476, 32647), (500, 32698),

(505, 32710), (646, 32938), (689, 32998), (721, 33073), (728, 33103), (769, 33205),

Gene: Cassini_31 Start: 25264, Stop: 24098, Start Num: 156
Candidate Starts for Cassini_31:
(Start: 156 @25264 has 344 MA's), (236, 25099), (270, 25045), (279, 25027), (332, 24913), (351, 24895), (407, 24817), (412, 24805), (457, 24730), (462, 24721), (493, 24661), (553, 24571), (607, 24469), (610, 24460), (618, 24445), (632, 24421), (635, 24418), (715, 24301), (721, 24277), (724, 24262), (745, 24190), (770, 24142), (786, 24115),

Gene: Cat_31 Start: 26001, Stop: 24865, Start Num: 140
Candidate Starts for Cat_31:
(Start: 140 @26001 has 7 MA's), (Start: 212 @25866 has 6 MA's), (294, 25701), (318, 25644), (323, 25638), (330, 25623), (348, 25602), (407, 25545), (455, 25467), (551, 25314), (564, 25302), (601, 25227), (603, 25221), (610, 25200), (616, 25185), (628, 25167), (729, 24981), (737, 24951), (739, 24945), (743, 24933), (753, 24912), (763, 24894),

Gene: Catfish_37 Start: 28481, Stop: 27369, Start Num: 187
Candidate Starts for Catfish_37:
(Start: 187 @28481 has 13 MA's), (204, 28439), (262, 28313), (390, 28112), (417, 28055), (426, 28028), (479, 27932), (495, 27899), (499, 27890), (575, 27782), (636, 27653), (728, 27467), (739, 27428), (757, 27389),

Gene: Centaur_35 Start: 26808, Stop: 25675, Start Num: 144
Candidate Starts for Centaur_35:
(Start: 144 @26808 has 10 MA's), (Start: 184 @26754 has 15 MA's), (Start: 212 @26685 has 6 MA's), (230, 26640), (313, 26484), (323, 26457), (348, 26421), (407, 26364), (480, 26241), (489, 26223), (551, 26133), (564, 26121), (601, 26046), (603, 26040), (610, 26019), (616, 26004), (628, 25986), (649, 25959), (654, 25950), (716, 25848), (729, 25800), (737, 25770), (739, 25764), (743, 25752), (763, 25713),

Gene: Cerasum_38 Start: 27921, Stop: 29039, Start Num: 156
Candidate Starts for Cerasum_38:
(Start: 156 @27921 has 344 MA's), (240, 28092), (317, 28257), (340, 28293), (351, 28302), (407, 28383), (418, 28407), (460, 28476), (480, 28515), (489, 28533), (491, 28536), (498, 28548), (500, 28551), (505, 28563), (513, 28578), (527, 28602), (536, 28608), (557, 28629), (585, 28665), (587, 28668), (601, 28704), (603, 28710), (607, 28722), (608, 28725), (614, 28740), (671, 28809), (678, 28824), (715, 28866), (725, 28911), (728, 28920), (739, 28959), (745, 28977), (756, 28998), (763, 29013), (769, 29022), (770, 29025),

Gene: Cerulean_34 Start: 26519, Stop: 25467, Start Num: 190
Candidate Starts for Cerulean_34:
(Start: 105 @26633 has 3 MA's), (Start: 124 @26606 has 7 MA's), (Start: 150 @26588 has 130 MA's), (Start: 190 @26519 has 8 MA's), (Start: 212 @26465 has 6 MA's), (317, 26246), (323, 26237), (348, 26201), (400, 26159), (405, 26147), (407, 26144), (530, 25931), (551, 25913), (601, 25826), (603, 25820), (610, 25799), (616, 25784), (628, 25766), (716, 25628), (729, 25580), (737, 25550), (739, 25544), (743, 25532), (763, 25493),

Gene: ChampagnePapi_34 Start: 26518, Stop: 25466, Start Num: 190
Candidate Starts for ChampagnePapi_34:
(Start: 124 @26605 has 7 MA's), (Start: 150 @26587 has 130 MA's), (Start: 190 @26518 has 8 MA's), (Start: 212 @26464 has 6 MA's), (317, 26245), (323, 26236), (348, 26200), (400, 26158), (405, 26146), (407, 26143), (530, 25930), (551, 25912), (601, 25825), (603, 25819), (610, 25798), (616, 25783), (628, 25765), (716, 25627), (729, 25579), (737, 25549), (739, 25543), (743, 25531), (763, 25492),

Gene: Chavito_44 Start: 33649, Stop: 34740, Start Num: 156
Candidate Starts for Chavito_44:
(32, 33316), (49, 33415), (51, 33424), (57, 33451), (70, 33499), (Start: 156 @33649 has 344 MA's), (Start: 184 @33700 has 15 MA's), (221, 33775), (240, 33811), (300, 33925), (313, 33949), (340, 34003), (412, 34087), (425, 34120), (457, 34156), (458, 34159), (480, 34201), (527, 34288), (551, 34309), (607, 34417), (654, 34477), (700, 34540), (713, 34552), (741, 34660), (757, 34696),

Gene: Che12_36 Start: 25378, Stop: 24263, Start Num: 154
Candidate Starts for Che12_36:
(Start: 154 @25378 has 64 MA's), (198, 25297), (Start: 212 @25261 has 6 MA's), (230, 25216), (278, 25129), (315, 25048), (348, 24997), (400, 24955), (405, 24943), (407, 24940), (455, 24862), (513, 24754), (530, 24727), (551, 24709), (564, 24697), (576, 24676), (601, 24622), (610, 24595), (616, 24580), (628, 24562), (649, 24535), (716, 24424), (729, 24376), (737, 24346), (739, 24340), (743, 24328), (763, 24289),

Gene: CheeseTouch_54 Start: 30887, Stop: 31984, Start Num: 156
Candidate Starts for CheeseTouch_54:
(59, 30722), (64, 30731), (129, 30857), (Start: 156 @30887 has 344 MA's), (Start: 184 @30938 has 15 MA's), (223, 31016), (237, 31043), (284, 31130), (315, 31196), (317, 31202), (405, 31307), (407, 31310), (412, 31322), (480, 31439), (491, 31460), (495, 31466), (505, 31487), (557, 31559), (603, 31643), (683, 31766), (718, 31817), (721, 31826), (727, 31853), (770, 31961), (781, 31976),

Gene: Cheesepuff_46 Start: 33297, Stop: 34415, Start Num: 156
Candidate Starts for Cheesepuff_46:
(Start: 156 @33297 has 344 MA's), (240, 33468), (317, 33633), (340, 33669), (351, 33678), (418, 33783), (460, 33852), (480, 33891), (491, 33912), (498, 33924), (500, 33927), (505, 33939), (527, 33978), (536, 33984), (557, 34005), (585, 34041), (587, 34044), (601, 34080), (603, 34086), (608, 34101), (614, 34116), (671, 34185), (678, 34200), (698, 34218), (715, 34242), (725, 34287), (728, 34296), (739, 34335), (745, 34353), (756, 34374), (763, 34389), (769, 34398), (770, 34401),

Gene: CheetoDust_40 Start: 31967, Stop: 33055, Start Num: 156
Candidate Starts for CheetoDust_40:
(52, 31745), (Start: 156 @31967 has 344 MA's), (Start: 184 @32018 has 15 MA's), (Start: 212 @32069 has 6 MA's), (221, 32093), (240, 32129), (313, 32267), (340, 32321), (412, 32405), (457, 32474), (458, 32477), (551, 32627), (607, 32732), (671, 32819), (713, 32867),

Gene: Chickaboom_35 Start: 24249, Stop: 23065, Start Num: 148
Candidate Starts for Chickaboom_35:
(Start: 148 @24249 has 95 MA's), (180, 24192), (261, 24030), (265, 24021), (325, 23895), (364, 23832), (371, 23820), (375, 23805), (416, 23715), (489, 23604), (551, 23511), (608, 23397), (612, 23385), (622, 23367), (717, 23223), (720, 23214),

Gene: Chicken_33 Start: 24581, Stop: 23397, Start Num: 148
Candidate Starts for Chicken_33:
(Start: 148 @24581 has 95 MA's), (261, 24362), (269, 24344), (371, 24152), (404, 24071), (566, 23822), (608, 23729), (612, 23717), (622, 23699), (712, 23582), (720, 23546),

Gene: ChipMunk_36 Start: 28148, Stop: 27003, Start Num: 124
Candidate Starts for ChipMunk_36:
(Start: 124 @28148 has 7 MA's), (Start: 135 @28130 has 6 MA's), (Start: 190 @28049 has 8 MA's), (Start: 212 @28001 has 6 MA's), (230, 27956), (313, 27800), (317, 27782), (323, 27773), (348, 27737), (400, 27695), (407, 27680), (412, 27668), (455, 27602), (476, 27569), (480, 27557), (489, 27539),

(551, 27449), (564, 27437), (601, 27362), (603, 27356), (610, 27335), (616, 27320), (628, 27302), (649, 27275), (654, 27266), (716, 27164), (729, 27116), (730, 27113), (737, 27086), (739, 27080), (743, 27068), (763, 27029),

Gene: Chiqui_32 Start: 26616, Stop: 25483, Start Num: 140
Candidate Starts for Chiqui_32:
(Start: 140 @26616 has 7 MA's), (Start: 190 @26535 has 8 MA's), (Start: 212 @26481 has 6 MA's), (230, 26436), (318, 26259), (323, 26253), (348, 26217), (407, 26160), (455, 26082), (551, 25929), (564, 25917), (601, 25842), (603, 25836), (610, 25815), (616, 25800), (628, 25782), (647, 25758), (729, 25596), (737, 25566), (739, 25560), (743, 25548), (763, 25509),

Gene: Chop_39 Start: 31803, Stop: 30532, Start Num: 148
Candidate Starts for Chop_39:
(Start: 148 @31803 has 95 MA's), (Start: 156 @31788 has 344 MA's), (204, 31686), (226, 31644), (230, 31632), (269, 31557), (306, 31482), (310, 31473), (315, 31455), (374, 31356), (375, 31353), (416, 31263), (497, 31158), (554, 31062), (558, 31056), (639, 30894), (714, 30753), (725, 30708), (740, 30657), (743, 30648), (750, 30633), (759, 30621), (765, 30609), (791, 30570),

Gene: Chris_43 Start: 33288, Stop: 34373, Start Num: 156
Candidate Starts for Chris_43:
(Start: 156 @33288 has 344 MA's), (240, 33450), (267, 33495), (313, 33588), (330, 33630), (412, 33726), (418, 33741), (457, 33795), (458, 33798), (462, 33804), (480, 33840), (551, 33948), (607, 34053), (671, 34140), (700, 34176), (713, 34188), (741, 34296), (763, 34344),

Gene: ChuckDuck_39 Start: 26485, Stop: 27627, Start Num: 156
Candidate Starts for ChuckDuck_39:
(25, 26068), (27, 26098), (33, 26158), (38, 26188), (56, 26278), (66, 26314), (91, 26386), (96, 26395), (Start: 156 @26485 has 344 MA's), (337, 26839), (340, 26845), (356, 26863), (418, 26971), (457, 27031), (505, 27124), (587, 27244), (605, 27292), (616, 27322), (678, 27418), (728, 27526), (754, 27601),

Gene: Chymera_32 Start: 24210, Stop: 22924, Start Num: 156
Candidate Starts for Chymera_32:
(Start: 156 @24210 has 344 MA's), (Start: 162 @24201 has 1 MA's), (Start: 184 @24156 has 15 MA's), (306, 23862), (353, 23760), (366, 23730), (368, 23727), (471, 23547), (491, 23502), (493, 23499), (587, 23358), (589, 23352), (607, 23304), (728, 23067), (747, 23007), (759, 22983),

Gene: Clammy_34 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for Clammy_34:
(Start: 150 @26297 has 130 MA's), (198, 26210), (Start: 212 @26174 has 6 MA's), (230, 26129), (313, 25973), (315, 25961), (317, 25955), (348, 25910), (405, 25856), (407, 25853), (455, 25775), (551, 25622), (564, 25610), (587, 25571), (601, 25535), (603, 25529), (610, 25508), (616, 25493), (628, 25475), (649, 25448), (716, 25337), (729, 25289), (737, 25259), (739, 25253), (743, 25241), (763, 25202),

Gene: Clank_44 Start: 32173, Stop: 33291, Start Num: 156
Candidate Starts for Clank_44:
(Start: 156 @32173 has 344 MA's), (223, 32311), (240, 32344), (265, 32392), (340, 32545), (351, 32554), (407, 32635), (460, 32728), (491, 32788), (498, 32800), (500, 32803), (513, 32830), (527, 32854), (557, 32881), (585, 32917), (587, 32920), (601, 32956), (614, 32992), (671, 33061), (678, 33076), (698, 33094), (725, 33163), (728, 33172), (739, 33211), (745, 33229), (756, 33250), (763, 33265), (769, 33274), (770, 33277),

Gene: Clap_37 Start: 27875, Stop: 28957, Start Num: 154
Candidate Starts for Clap_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (559, 28553), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: Clark_39 Start: 28996, Stop: 30123, Start Num: 156
Candidate Starts for Clark_39:
(Start: 124 @28957 has 7 MA's), (Start: 156 @28996 has 344 MA's), (Start: 184 @29050 has 15 MA's), (237, 29173), (257, 29206), (302, 29296), (315, 29329), (457, 29524), (458, 29527), (480, 29569), (500, 29605), (688, 29902), (721, 29980), (727, 30007), (732, 30022), (739, 30049), (769, 30112),

Gene: Clifton_35 Start: 27555, Stop: 28673, Start Num: 156
Candidate Starts for Clifton_35:
(Start: 156 @27555 has 344 MA's), (Start: 162 @27564 has 1 MA's), (240, 27726), (317, 27891), (340, 27927), (351, 27936), (407, 28017), (418, 28041), (460, 28110), (480, 28149), (489, 28167), (491, 28170), (498, 28182), (500, 28185), (505, 28197), (513, 28212), (527, 28236), (536, 28242), (557, 28263), (585, 28299), (587, 28302), (601, 28338), (603, 28344), (608, 28359), (614, 28374), (671, 28443), (678, 28458), (715, 28500), (725, 28545), (728, 28554), (739, 28593), (745, 28611), (756, 28632), (763, 28647), (769, 28656), (770, 28659),

Gene: Clipper_44 Start: 33113, Stop: 34201, Start Num: 156
Candidate Starts for Clipper_44:
(Start: 156 @33113 has 344 MA's), (Start: 184 @33164 has 15 MA's), (Start: 212 @33215 has 6 MA's), (221, 33239), (240, 33275), (313, 33413), (412, 33551), (457, 33620), (458, 33623), (551, 33773), (607, 33878), (713, 34013),

Gene: ClownCar_35 Start: 26635, Stop: 25490, Start Num: 150
Candidate Starts for ClownCar_35:
(Start: 102 @26698 has 2 MA's), (Start: 150 @26635 has 130 MA's), (Start: 184 @26581 has 15 MA's), (Start: 212 @26512 has 6 MA's), (317, 26293), (323, 26284), (348, 26248), (407, 26191), (455, 26113), (476, 26080), (530, 25978), (551, 25960), (564, 25948), (601, 25873), (603, 25867), (610, 25846), (616, 25831), (628, 25813), (647, 25789), (728, 25630), (729, 25627), (737, 25597), (739, 25591), (743, 25579), (763, 25540),

Gene: ClubL_83 Start: 50811, Stop: 52109, Start Num: 155
Candidate Starts for ClubL_83:
(Start: 155 @50811 has 15 MA's), (188, 50877), (233, 50979), (249, 51006), (259, 51018), (274, 51048), (290, 51087), (301, 51105), (333, 51171), (342, 51180), (378, 51264), (420, 51354), (497, 51513), (500, 51519), (502, 51522), (577, 51648), (606, 51717), (646, 51795), (676, 51846), (712, 51873), (720, 51909), (721, 51912), (722, 51915), (723, 51921), (725, 51933), (727, 51939), (728, 51942), (729, 51945), (737, 51975), (758, 52023), (762, 52032), (779, 52062),

Gene: Coco12_40 Start: 31978, Stop: 33096, Start Num: 156
Candidate Starts for Coco12_40:
(Start: 156 @31978 has 344 MA's), (240, 32149), (317, 32314), (340, 32350), (351, 32359), (407, 32440), (418, 32464), (460, 32533), (480, 32572), (489, 32590), (491, 32593), (498, 32605), (500, 32608), (505, 32620), (513, 32635), (527, 32659), (536, 32665), (557, 32686), (585, 32722), (587, 32725), (601, 32761), (603, 32767), (607, 32779), (608, 32782), (614, 32797), (671, 32866), (678, 32881), (715, 32923), (725, 32968), (728, 32977), (739, 33016), (745, 33034), (756, 33055), (763, 33070), (769, 33079), (770, 33082),

Gene: Colbster_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for Colbster_36:
(Start: 150 @26790 has 130 MA's), (Start: 175 @26751 has 11 MA's), (198, 26703), (Start: 212 @26667 has 6 MA's), (230, 26622), (313, 26466), (323, 26439), (348, 26403), (407, 26346), (455, 26268), (471, 26244), (489, 26205), (530, 26133), (547, 26121), (551, 26115), (564, 26103), (601, 26028), (603, 26022), (610, 26001), (616, 25986), (628, 25968), (647, 25944), (716, 25830), (728, 25785), (729, 25782), (732, 25773), (737, 25752), (739, 25746), (743, 25734), (763, 25695),

Gene: Colin_36 Start: 27841, Stop: 26711, Start Num: 152
Candidate Starts for Colin_36:
(Start: 152 @27841 has 5 MA's), (Start: 212 @27721 has 6 MA's), (230, 27676), (317, 27502), (323, 27493), (348, 27457), (405, 27403), (407, 27400), (455, 27322), (476, 27289), (480, 27277), (551, 27169), (564, 27157), (601, 27082), (610, 27055), (616, 27040), (628, 27022), (649, 26995), (729, 26836), (737, 26806), (739, 26800), (743, 26788), (763, 26749),

Gene: Colleen_32 Start: 30114, Stop: 28903, Start Num: 161
Candidate Starts for Colleen_32:
(Start: 161 @30114 has 4 MA's), (241, 29940), (307, 29799), (405, 29640), (479, 29490), (524, 29400), (672, 29136), (693, 29100), (699, 29094), (757, 28929), (766, 28914), (768, 28911),

Gene: Colossa_32 Start: 27893, Stop: 26754, Start Num: 148
Candidate Starts for Colossa_32:
(Start: 148 @27893 has 95 MA's), (177, 27839), (261, 27671), (295, 27599), (338, 27512), (371, 27458), (374, 27446), (375, 27443), (378, 27431), (497, 27260), (498, 27257), (568, 27161), (667, 26984), (669, 26981), (715, 26924), (769, 26777),

Gene: Colusalem_37 Start: 23996, Stop: 22809, Start Num: 148
Candidate Starts for Colusalem_37:
(87, 24086), (Start: 148 @23996 has 95 MA's), (325, 23642), (371, 23567), (612, 23132), (712, 22997),

Gene: Commander_33 Start: 26250, Stop: 25129, Start Num: 150
Candidate Starts for Commander_33:
(Start: 105 @26295 has 3 MA's), (Start: 124 @26268 has 7 MA's), (Start: 150 @26250 has 130 MA's), (Start: 190 @26181 has 8 MA's), (Start: 212 @26127 has 6 MA's), (317, 25908), (323, 25899), (348, 25863), (400, 25821), (405, 25809), (407, 25806), (455, 25728), (530, 25593), (551, 25575), (601, 25488), (610, 25461), (616, 25446), (628, 25428), (716, 25290), (729, 25242), (737, 25212), (739, 25206), (743, 25194), (763, 25155),

Gene: Confidence_37 Start: 29321, Stop: 30403, Start Num: 154
Candidate Starts for Confidence_37:
(Start: 154 @29321 has 64 MA's), (Start: 215 @29438 has 1 MA's), (265, 29531), (405, 29753), (420, 29789), (458, 29843), (495, 29912), (721, 30260), (727, 30287), (737, 30323), (769, 30392),

Gene: Constance_38 Start: 26814, Stop: 27956, Start Num: 156
Candidate Starts for Constance_38:
(74, 26667), (79, 26679), (83, 26688), (95, 26721), (Start: 125 @26769 has 30 MA's), (134, 26784), (Start: 156 @26814 has 344 MA's), (340, 27174), (356, 27192), (418, 27300), (457, 27360), (505, 27453), (587, 27573), (605, 27621), (616, 27651), (678, 27747), (728, 27855), (754, 27930),

Gene: Constella_68 Start: 47200, Stop: 48429, Start Num: 125
Candidate Starts for Constella_68:
(Start: 125 @47200 has 30 MA's), (Start: 136 @47218 has 1 MA's), (Start: 162 @47257 has 1 MA's), (269, 47494), (317, 47602), (400, 47722), (401, 47725), (405, 47734), (412, 47749), (426, 47788),

(468, 47866), (537, 47983), (550, 47986), (557, 47995), (588, 48046), (589, 48049), (599, 48067), (650, 48163), (695, 48220), (736, 48340), (737, 48343), (745, 48367), (757, 48391), (759, 48394),

Gene: CookieBear_40 Start: 27769, Stop: 26630, Start Num: 156
Candidate Starts for CookieBear_40:
(Start: 156 @27769 has 344 MA's), (Start: 184 @27718 has 15 MA's), (270, 27550), (279, 27532), (351, 27400), (400, 27337), (407, 27322), (412, 27310), (413, 27304), (457, 27235), (462, 27226), (493, 27166), (553, 27076), (608, 26971), (618, 26950), (635, 26923), (715, 26800), (721, 26776), (724, 26761), (747, 26686), (761, 26656),

Gene: Coral_36 Start: 23868, Stop: 22681, Start Num: 148
Candidate Starts for Coral_36:
(87, 23958), (Start: 148 @23868 has 95 MA's), (371, 23439), (612, 23004), (712, 22869),

Gene: Corium_41 Start: 32428, Stop: 33546, Start Num: 156
Candidate Starts for Corium_41:
(Start: 156 @32428 has 344 MA's), (Start: 162 @32437 has 1 MA's), (240, 32599), (317, 32764), (340, 32800), (351, 32809), (418, 32914), (460, 32983), (480, 33022), (489, 33040), (491, 33043), (498, 33055), (500, 33058), (505, 33070), (513, 33085), (527, 33109), (536, 33115), (557, 33136), (585, 33172), (587, 33175), (601, 33211), (603, 33217), (608, 33232), (614, 33247), (671, 33316), (678, 33331), (715, 33373), (725, 33418), (728, 33427), (732, 33439), (739, 33466), (745, 33484), (756, 33505), (763, 33520), (769, 33529), (770, 33532),

Gene: Cornucopia_45 Start: 32843, Stop: 33970, Start Num: 156
Candidate Starts for Cornucopia_45:
(88, 32741), (123, 32798), (Start: 156 @32843 has 344 MA's), (Start: 162 @32852 has 1 MA's), (240, 33014), (263, 33065), (270, 33083), (289, 33128), (340, 33224), (351, 33233), (407, 33314), (418, 33338), (460, 33407), (480, 33446), (491, 33467), (498, 33479), (500, 33482), (505, 33494), (513, 33509), (527, 33533), (557, 33560), (585, 33596), (587, 33599), (601, 33635), (614, 33671), (671, 33740), (678, 33755), (698, 33773), (715, 33797), (725, 33842), (728, 33851), (732, 33863), (739, 33890), (745, 33908), (756, 33929), (763, 33944), (769, 33953), (770, 33956),

Gene: CosmicBrownie_38 Start: 27262, Stop: 26123, Start Num: 156
Candidate Starts for CosmicBrownie_38:
(Start: 156 @27262 has 344 MA's), (317, 26941), (340, 26905), (352, 26893), (356, 26887), (412, 26794), (418, 26779), (457, 26719), (474, 26689), (505, 26626), (605, 26458), (612, 26437), (616, 26428), (678, 26332), (732, 26212), (754, 26149),

Gene: Cote_38 Start: 24345, Stop: 23158, Start Num: 148
Candidate Starts for Cote_38:
(87, 24435), (Start: 148 @24345 has 95 MA's), (371, 23916), (612, 23481), (712, 23346),

Gene: Courthouse_82 Start: 49663, Stop: 50937, Start Num: 103
Candidate Starts for Courthouse_82:
(81, 49606), (Start: 97 @49648 has 1 MA's), (Start: 103 @49663 has 10 MA's), (106, 49666), (Start: 136 @49711 has 1 MA's), (Start: 162 @49750 has 1 MA's), (338, 50131), (400, 50215), (405, 50227), (407, 50230), (468, 50359), (550, 50479), (589, 50542), (599, 50560), (608, 50584), (650, 50656), (736, 50833), (737, 50836), (739, 50842), (745, 50860), (753, 50875), (757, 50884), (759, 50887), (785, 50932),

Gene: Crater_49 Start: 32565, Stop: 33662, Start Num: 156
Candidate Starts for Crater_49:

(62, 32385), (74, 32424), (Start: 156 @32565 has 344 MA's), (Start: 184 @32616 has 15 MA's), (223, 32694), (237, 32721), (265, 32766), (280, 32799), (284, 32808), (405, 32985), (407, 32988), (462, 33081), (480, 33117), (498, 33150), (500, 33153), (505, 33165), (610, 33330), (632, 33360), (683, 33432), (715, 33468), (721, 33492), (727, 33519), (741, 33567), (745, 33579), (770, 33627),

Gene: Crescenzo_38 Start: 27750, Stop: 26572, Start Num: 156
Candidate Starts for Crescenzo_38:
(Start: 156 @27750 has 344 MA's), (Start: 184 @27699 has 15 MA's), (214, 27633), (279, 27513), (323, 27417), (351, 27381), (407, 27303), (457, 27216), (462, 27207), (493, 27147), (608, 26952), (610, 26946), (635, 26904), (715, 26787), (720, 26766), (721, 26763), (724, 26748), (770, 26628), (794, 26586),

Gene: CrimD_41 Start: 32723, Stop: 33811, Start Num: 156
Candidate Starts for CrimD_41:
(Start: 156 @32723 has 344 MA's), (Start: 212 @32825 has 6 MA's), (221, 32849), (240, 32885), (313, 33023), (340, 33077), (412, 33161), (457, 33230), (458, 33233), (551, 33383), (597, 33461), (607, 33488), (713, 33623), (757, 33767),

Gene: Croquant_37 Start: 26788, Stop: 25643, Start Num: 150
Candidate Starts for Croquant_37:
(Start: 150 @26788 has 130 MA's), (Start: 175 @26749 has 11 MA's), (198, 26701), (Start: 212 @26665 has 6 MA's), (230, 26620), (313, 26464), (323, 26437), (348, 26401), (407, 26344), (455, 26266), (471, 26242), (489, 26203), (530, 26131), (547, 26119), (551, 26113), (564, 26101), (601, 26026), (603, 26020), (610, 25999), (616, 25984), (628, 25966), (647, 25942), (716, 25828), (728, 25783), (729, 25780), (732, 25771), (737, 25750), (739, 25744), (743, 25732), (763, 25693),

Gene: Crucio_34 Start: 26336, Stop: 25269, Start Num: 184
Candidate Starts for Crucio_34:
(Start: 102 @26453 has 2 MA's), (Start: 150 @26390 has 130 MA's), (Start: 184 @26336 has 15 MA's), (Start: 212 @26267 has 6 MA's), (230, 26222), (297, 26096), (317, 26048), (323, 26039), (348, 26003), (405, 25949), (407, 25946), (480, 25823), (489, 25805), (505, 25775), (547, 25721), (551, 25715), (564, 25703), (601, 25628), (603, 25622), (610, 25601), (616, 25586), (628, 25568), (649, 25541), (716, 25430), (729, 25382), (737, 25352), (739, 25346), (743, 25334), (763, 25295),

Gene: Cucurbita_85 Start: 52630, Stop: 53928, Start Num: 155
Candidate Starts for Cucurbita_85:
(Start: 155 @52630 has 15 MA's), (188, 52696), (233, 52798), (249, 52825), (259, 52837), (274, 52867), (290, 52906), (301, 52924), (333, 52990), (342, 52999), (378, 53083), (420, 53173), (497, 53332), (500, 53338), (502, 53341), (577, 53467), (606, 53536), (646, 53614), (676, 53665), (712, 53692), (720, 53728), (721, 53731), (722, 53734), (723, 53740), (725, 53752), (727, 53758), (728, 53761), (729, 53764), (737, 53794), (758, 53842), (762, 53851), (779, 53881),

Gene: Cullens_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for Cullens_36:
(Start: 150 @26789 has 130 MA's), (Start: 175 @26750 has 11 MA's), (198, 26702), (Start: 212 @26666 has 6 MA's), (230, 26621), (313, 26465), (323, 26438), (348, 26402), (407, 26345), (455, 26267), (471, 26243), (489, 26204), (530, 26132), (547, 26120), (551, 26114), (564, 26102), (601, 26027), (603, 26021), (610, 26000), (616, 25985), (628, 25967), (647, 25943), (716, 25829), (728, 25784), (729, 25781), (732, 25772), (737, 25751), (739, 25745), (743, 25733), (763, 25694),

Gene: Culver_85 Start: 50733, Stop: 52031, Start Num: 155
Candidate Starts for Culver_85:

(99, 50664), (Start: 155 @50733 has 15 MA's), (226, 50892), (259, 50940), (274, 50970), (290, 51009), (301, 51027), (304, 51033), (342, 51102), (459, 51357), (497, 51435), (500, 51441), (502, 51444), (600, 51621), (606, 51639), (639, 51705), (663, 51744), (676, 51768), (712, 51795), (720, 51831), (721, 51834), (722, 51837), (723, 51843), (725, 51855), (727, 51861), (728, 51864), (729, 51867), (737, 51897), (758, 51945), (762, 51954), (776, 51981), (779, 51984), (788, 51999),

Gene: Cygnet_36 Start: 24788, Stop: 23595, Start Num: 148
Candidate Starts for Cygnet_36:
(Start: 148 @24788 has 95 MA's), (566, 24026), (602, 23951), (612, 23921), (618, 23909),

Gene: Cynthia_37 Start: 27764, Stop: 28957, Start Num: 86
Candidate Starts for Cynthia_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: D29_33 Start: 26474, Stop: 25350, Start Num: 150
Candidate Starts for D29_33:
(Start: 150 @26474 has 130 MA's), (Start: 184 @26420 has 15 MA's), (Start: 212 @26351 has 6 MA's), (313, 26150), (314, 26147), (323, 26123), (348, 26087), (407, 26030), (418, 26003), (455, 25952), (476, 25919), (480, 25907), (489, 25889), (530, 25817), (551, 25799), (564, 25787), (601, 25712), (603, 25706), (610, 25685), (616, 25670), (628, 25652), (649, 25625), (716, 25514), (729, 25466), (730, 25463), (737, 25436), (739, 25430), (743, 25418), (763, 25379),

Gene: D32_37 Start: 26474, Stop: 25350, Start Num: 150
Candidate Starts for D32_37:
(Start: 150 @26474 has 130 MA's), (Start: 184 @26420 has 15 MA's), (Start: 212 @26351 has 6 MA's), (313, 26150), (314, 26147), (323, 26123), (348, 26087), (407, 26030), (418, 26003), (455, 25952), (476, 25919), (480, 25907), (489, 25889), (530, 25817), (551, 25799), (564, 25787), (601, 25712), (603, 25706), (610, 25685), (616, 25670), (628, 25652), (649, 25625), (716, 25514), (729, 25466), (730, 25463), (737, 25436), (739, 25430), (743, 25418), (763, 25379),

Gene: DBQu4n_37 Start: 26474, Stop: 25350, Start Num: 150
Candidate Starts for DBQu4n_37:
(Start: 150 @26474 has 130 MA's), (Start: 184 @26420 has 15 MA's), (Start: 212 @26351 has 6 MA's), (313, 26150), (323, 26123), (348, 26087), (407, 26030), (418, 26003), (455, 25952), (476, 25919), (480, 25907), (489, 25889), (530, 25817), (551, 25799), (564, 25787), (587, 25748), (601, 25712), (603, 25706), (610, 25685), (616, 25670), (628, 25652), (649, 25625), (716, 25514), (729, 25466), (730, 25463), (737, 25436), (739, 25430), (743, 25418), (763, 25379),

Gene: DLane_41 Start: 32255, Stop: 33373, Start Num: 156
Candidate Starts for DLane_41:
(Start: 156 @32255 has 344 MA's), (240, 32426), (317, 32591), (340, 32627), (351, 32636), (460, 32810), (480, 32849), (491, 32870), (498, 32882), (500, 32885), (505, 32897), (527, 32936), (536, 32942), (557, 32963), (585, 32999), (587, 33002), (601, 33038), (603, 33044), (608, 33059), (671, 33143), (678, 33158), (715, 33200), (725, 33245), (728, 33254), (739, 33293), (745, 33311), (756, 33332), (763, 33347), (769, 33356), (770, 33359),

Gene: DRBy19_43 Start: 32003, Stop: 33121, Start Num: 156
Candidate Starts for DRBy19_43:
(Start: 156 @32003 has 344 MA's), (223, 32141), (240, 32174), (265, 32222), (317, 32339), (340, 32375), (351, 32384), (418, 32489), (460, 32558), (491, 32618), (498, 32630), (500, 32633), (505, 32645), (513, 32660), (527, 32684), (536, 32690), (557, 32711), (585, 32747), (587, 32750), (601,

32786), (603, 32792), (607, 32804), (608, 32807), (671, 32891), (678, 32906), (715, 32948), (725, 32993), (728, 33002), (739, 33041), (745, 33059), (756, 33080), (763, 33095), (769, 33104), (770, 33107),

Gene: DaHudson_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for DaHudson_36:
(Start: 150 @26782 has 130 MA's), (Start: 175 @26743 has 11 MA's), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (323, 26431), (348, 26395), (407, 26338), (455, 26260), (471, 26236), (489, 26197), (530, 26125), (547, 26113), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (647, 25936), (716, 25822), (728, 25777), (729, 25774), (732, 25765), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Daegal_30 Start: 26772, Stop: 25579, Start Num: 189
Candidate Starts for Daegal_30:
(Start: 166 @26814 has 2 MA's), (Start: 189 @26772 has 21 MA's), (213, 26706), (249, 26625), (266, 26586), (275, 26571), (277, 26565), (282, 26553), (296, 26526), (313, 26493), (345, 26436), (365, 26403), (367, 26400), (383, 26352), (406, 26310), (409, 26307), (418, 26283), (423, 26268), (434, 26244), (445, 26229), (471, 26190), (477, 26178), (496, 26139), (515, 26100), (556, 26052), (558, 26049), (601, 25977), (603, 25971), (607, 25959), (608, 25956), (610, 25950), (640, 25896), (652, 25878), (653, 25875), (668, 25848), (683, 25821), (713, 25779), (719, 25752), (721, 25746), (735, 25689), (763, 25626), (765, 25623),

Gene: Dallas_80 Start: 51984, Stop: 53213, Start Num: 125
Candidate Starts for Dallas_80:
(Start: 125 @51984 has 30 MA's), (Start: 136 @52002 has 1 MA's), (Start: 162 @52041 has 1 MA's), (269, 52278), (317, 52386), (400, 52506), (401, 52509), (405, 52518), (412, 52533), (426, 52572), (468, 52650), (526, 52755), (537, 52767), (550, 52770), (557, 52779), (588, 52830), (589, 52833), (599, 52851), (650, 52947), (695, 53004), (736, 53124), (737, 53127), (745, 53151), (757, 53175), (759, 53178),

Gene: Dalmatian_35 Start: 26758, Stop: 25637, Start Num: 150
Candidate Starts for Dalmatian_35:
(Start: 102 @26821 has 2 MA's), (Start: 150 @26758 has 130 MA's), (Start: 184 @26704 has 15 MA's), (Start: 212 @26635 has 6 MA's), (230, 26590), (313, 26434), (348, 26371), (412, 26302), (430, 26260), (455, 26236), (489, 26173), (551, 26083), (564, 26071), (601, 25996), (603, 25990), (610, 25969), (616, 25954), (628, 25936), (649, 25909), (716, 25798), (728, 25753), (729, 25750), (730, 25747), (737, 25720), (739, 25714), (743, 25702), (763, 25663),

Gene: Dalmuri_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Dalmuri_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: Damocles_40 Start: 24155, Stop: 22968, Start Num: 148
Candidate Starts for Damocles_40:
(87, 24245), (Start: 148 @24155 has 95 MA's), (325, 23801), (371, 23726), (612, 23291), (712, 23156),

Gene: DanHam62_36 Start: 23913, Stop: 22720, Start Num: 148
Candidate Starts for DanHam62_36:
(Start: 148 @23913 has 95 MA's), (371, 23484), (390, 23427), (404, 23403), (551, 23175), (612, 23049), (618, 23037), (632, 23016), (720, 22878), (743, 22797), (770, 22749),

Gene: Daob_38 Start: 24353, Stop: 23166, Start Num: 148
Candidate Starts for Daob_38:
(87, 24443), (Start: 148 @24353 has 95 MA's), (325, 23999), (371, 23924), (612, 23489), (712, 23354),

Gene: Daredevil_54 Start: 42698, Stop: 44056, Start Num: 147
Candidate Starts for Daredevil_54:
(33, 42389), (48, 42473), (76, 42575), (131, 42677), (Start: 147 @42698 has 2 MA's), (278, 42977), (315, 43061), (321, 43070), (331, 43085), (388, 43208), (394, 43223), (404, 43241), (414, 43271), (488, 43433), (571, 43580), (574, 43586), (594, 43628), (603, 43649), (604, 43652), (607, 43661), (628, 43703), (639, 43724), (721, 43853), (723, 43862), (727, 43880), (744, 43937), (773, 43988),

Gene: DartGoblin_43 Start: 33327, Stop: 34415, Start Num: 156
Candidate Starts for DartGoblin_43:
(Start: 156 @33327 has 344 MA's), (Start: 184 @33378 has 15 MA's), (Start: 212 @33429 has 6 MA's), (221, 33453), (240, 33489), (300, 33603), (313, 33627), (340, 33681), (412, 33765), (457, 33834), (551, 33987), (607, 34092), (671, 34179), (713, 34227), (757, 34371),

Gene: Dartin_43 Start: 33014, Stop: 34105, Start Num: 156
Candidate Starts for Dartin_43:
(11, 32333), (21, 32477), (32, 32681), (49, 32780), (51, 32789), (57, 32816), (70, 32864), (Start: 156 @33014 has 344 MA's), (Start: 184 @33065 has 15 MA's), (221, 33140), (240, 33176), (300, 33290), (313, 33314), (340, 33368), (412, 33452), (425, 33485), (457, 33521), (458, 33524), (480, 33566), (527, 33653), (551, 33674), (607, 33782), (654, 33842), (700, 33905), (713, 33917), (741, 34025), (757, 34061),

Gene: DarwinJr_42 Start: 28705, Stop: 27527, Start Num: 156
Candidate Starts for DarwinJr_42:
(143, 28723), (Start: 156 @28705 has 344 MA's), (Start: 184 @28654 has 15 MA's), (214, 28588), (279, 28468), (323, 28372), (351, 28336), (407, 28258), (457, 28171), (462, 28162), (493, 28102), (553, 28012), (608, 27907), (610, 27901), (635, 27859), (678, 27793), (715, 27742), (720, 27721), (721, 27718), (724, 27703), (770, 27583),

Gene: DeadP_46 Start: 32604, Stop: 33707, Start Num: 156
Candidate Starts for DeadP_46:
(Start: 156 @32604 has 344 MA's), (Start: 184 @32652 has 15 MA's), (223, 32733), (235, 32760), (340, 32973), (364, 32997), (407, 33045), (457, 33126), (493, 33195), (498, 33204), (513, 33234), (527, 33258), (551, 33279), (597, 33357), (603, 33372), (646, 33432), (671, 33471), (678, 33486), (695, 33510), (715, 33537), (721, 33561), (725, 33582), (728, 33591), (741, 33636), (745, 33648),

Gene: Deby_41 Start: 32726, Stop: 33811, Start Num: 156
Candidate Starts for Deby_41:
(Start: 156 @32726 has 344 MA's), (Start: 212 @32828 has 6 MA's), (214, 32837), (221, 32852), (240, 32888), (313, 33026), (340, 33080), (412, 33164), (457, 33233), (458, 33236), (551, 33386), (607, 33491), (671, 33578), (713, 33626), (757, 33770),

Gene: DeepSoil15_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for DeepSoil15_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719,

25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: DelRio_40 Start: 32511, Stop: 31240, Start Num: 148
Candidate Starts for DelRio_40:
(132, 32535), (Start: 148 @32511 has 95 MA's), (Start: 156 @32496 has 344 MA's), (204, 32394), (226, 32352), (230, 32340), (269, 32265), (306, 32190), (310, 32181), (315, 32163), (374, 32064), (375, 32061), (416, 31971), (491, 31875), (497, 31866), (554, 31770), (568, 31746), (639, 31602), (714, 31461), (725, 31416), (740, 31365), (743, 31356), (750, 31341), (759, 31329), (765, 31317), (791, 31278),

Gene: Denise_35 Start: 27272, Stop: 28351, Start Num: 156
Candidate Starts for Denise_35:
(Start: 156 @27272 has 344 MA's), (237, 27428), (328, 27608), (480, 27821), (502, 27860), (505, 27869), (603, 28025), (683, 28148), (721, 28208), (769, 28340),

Gene: Devera_45 Start: 33261, Stop: 34349, Start Num: 156
Candidate Starts for Devera_45:
(Start: 156 @33261 has 344 MA's), (Start: 212 @33363 has 6 MA's), (221, 33387), (240, 33423), (270, 33474), (300, 33537), (313, 33561), (340, 33615), (347, 33618), (412, 33699), (457, 33768), (458, 33771), (551, 33921), (597, 33999), (607, 34026), (713, 34161),

Gene: Dewey_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Dewey_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: Dieselweasel_36 Start: 26792, Stop: 25647, Start Num: 150
Candidate Starts for Dieselweasel_36:
(Start: 150 @26792 has 130 MA's), (Start: 175 @26753 has 11 MA's), (198, 26705), (Start: 212 @26669 has 6 MA's), (230, 26624), (313, 26468), (323, 26441), (348, 26405), (407, 26348), (455, 26270), (471, 26246), (489, 26207), (530, 26135), (547, 26123), (551, 26117), (564, 26105), (601, 26030), (603, 26024), (610, 26003), (616, 25988), (628, 25970), (647, 25946), (716, 25832), (728, 25787), (729, 25784), (732, 25775), (737, 25754), (739, 25748), (743, 25736), (763, 25697),

Gene: Dignity_35 Start: 26759, Stop: 25632, Start Num: 135
Candidate Starts for Dignity_35:
(Start: 124 @26777 has 7 MA's), (Start: 135 @26759 has 6 MA's), (Start: 190 @26675 has 8 MA's), (Start: 212 @26627 has 6 MA's), (230, 26582), (323, 26399), (348, 26363), (407, 26306), (412, 26294), (476, 26195), (480, 26183), (489, 26165), (551, 26075), (601, 25988), (603, 25982), (610, 25961), (616, 25946), (628, 25928), (649, 25901), (716, 25790), (729, 25742), (730, 25739), (737, 25712), (739, 25706), (743, 25694), (763, 25655),

Gene: Dillpickles_43 Start: 30661, Stop: 31689, Start Num: 184
Candidate Starts for Dillpickles_43:
(Start: 86 @30496 has 6 MA's), (Start: 154 @30607 has 64 MA's), (Start: 184 @30661 has 15 MA's), (245, 30781), (405, 31036), (418, 31066), (458, 31126), (493, 31192), (505, 31216), (721, 31546), (727, 31573), (769, 31678),

Gene: DillyDally_29 Start: 24117, Stop: 22978, Start Num: 167
Candidate Starts for DillyDally_29:
(64, 24321), (Start: 167 @24117 has 1 MA's), (Start: 212 @24021 has 6 MA's), (263, 23913), (265, 23907), (277, 23883), (302, 23829), (330, 23766), (339, 23754), (350, 23745), (390, 23724), (412, 23679), (426, 23640), (466, 23595), (471, 23586), (478, 23571), (564, 23451), (570, 23439), (607, 23361), (685, 23247), (725, 23160), (731, 23142), (763, 23058), (799, 22986),

Gene: Ding_38 Start: 28134, Stop: 27007, Start Num: 156
Candidate Starts for Ding_38:
(Start: 156 @28134 has 344 MA's), (Start: 184 @28083 has 15 MA's), (185, 28080), (270, 27918), (300, 27855), (317, 27810), (323, 27801), (400, 27690), (412, 27663), (418, 27648), (473, 27564), (480, 27546), (601, 27351), (616, 27309), (628, 27294), (635, 27282), (654, 27255), (671, 27228), (678, 27213), (696, 27189), (725, 27117), (728, 27108), (732, 27096), (745, 27051),

Gene: DinoDaryn_38 Start: 27370, Stop: 26255, Start Num: 187
Candidate Starts for DinoDaryn_38:
(Start: 187 @27370 has 13 MA's), (358, 27031), (390, 26998), (541, 26704), (559, 26692), (652, 26512), (732, 26341), (739, 26314),

Gene: DismalFunk_43 Start: 34317, Stop: 35417, Start Num: 156
Candidate Starts for DismalFunk_43:
(Start: 156 @34317 has 344 MA's), (165, 34335), (221, 34443), (240, 34479), (300, 34593), (313, 34617), (340, 34671), (436, 34812), (457, 34836), (458, 34839), (480, 34881), (551, 34989), (607, 35094), (643, 35139), (654, 35154), (741, 35346),

Gene: DismalStressor_43 Start: 34317, Stop: 35417, Start Num: 156
Candidate Starts for DismalStressor_43:
(Start: 156 @34317 has 344 MA's), (165, 34335), (221, 34443), (240, 34479), (300, 34593), (313, 34617), (340, 34671), (436, 34812), (457, 34836), (458, 34839), (480, 34881), (551, 34989), (607, 35094), (643, 35139), (654, 35154), (741, 35346),

Gene: DmpstrDiver_82 Start: 52410, Stop: 53639, Start Num: 125
Candidate Starts for DmpstrDiver_82:
(Start: 125 @52410 has 30 MA's), (Start: 136 @52428 has 1 MA's), (Start: 162 @52467 has 1 MA's), (269, 52704), (317, 52812), (400, 52932), (401, 52935), (405, 52944), (412, 52959), (426, 52998), (468, 53076), (526, 53181), (537, 53193), (550, 53196), (557, 53205), (588, 53256), (589, 53259), (599, 53277), (650, 53373), (695, 53430), (736, 53550), (737, 53553), (745, 53577), (757, 53601), (759, 53604),

Gene: DoRead_44 Start: 32140, Stop: 33258, Start Num: 156
Candidate Starts for DoRead_44:
(Start: 156 @32140 has 344 MA's), (223, 32278), (240, 32311), (265, 32359), (340, 32512), (351, 32521), (407, 32602), (460, 32695), (491, 32755), (498, 32767), (500, 32770), (513, 32797), (527, 32821), (557, 32848), (585, 32884), (587, 32887), (601, 32923), (614, 32959), (671, 33028), (678, 33043), (725, 33130), (728, 33139), (732, 33151), (739, 33178), (745, 33196), (756, 33217), (763, 33232), (769, 33241), (770, 33244),

Gene: DobbysSock_31 Start: 27501, Stop: 28628, Start Num: 156
Candidate Starts for DobbysSock_31:
(54, 27282), (61, 27318), (Start: 156 @27501 has 344 MA's), (Start: 184 @27555 has 15 MA's), (257, 27711), (302, 27801), (315, 27834), (457, 28029), (458, 28032), (480, 28074), (500, 28110), (688, 28407), (721, 28485), (732, 28527), (739, 28554), (769, 28617),

Gene: Dole_44 Start: 33263, Stop: 34351, Start Num: 156
Candidate Starts for Dole_44:
(Start: 156 @33263 has 344 MA's), (Start: 212 @33365 has 6 MA's), (221, 33389), (240, 33425), (270, 33476), (300, 33539), (313, 33563), (340, 33617), (347, 33620), (412, 33701), (457, 33770), (458, 33773), (551, 33923), (597, 34001), (607, 34028), (713, 34163),

Gene: Dolores_40 Start: 29868, Stop: 30995, Start Num: 156
Candidate Starts for Dolores_40:
(Start: 124 @29829 has 7 MA's), (Start: 156 @29868 has 344 MA's), (Start: 184 @29922 has 15 MA's), (237, 30045), (257, 30078), (302, 30168), (315, 30201), (457, 30396), (458, 30399), (480, 30441), (500, 30477), (688, 30774), (721, 30852), (727, 30879), (732, 30894), (739, 30921), (769, 30984),

Gene: Donkeykong_41 Start: 32106, Stop: 33224, Start Num: 156
Candidate Starts for Donkeykong_41:
(Start: 156 @32106 has 344 MA's), (Start: 162 @32115 has 1 MA's), (223, 32244), (240, 32277), (265, 32325), (317, 32442), (340, 32478), (351, 32487), (407, 32568), (418, 32592), (460, 32661), (480, 32700), (491, 32721), (498, 32733), (500, 32736), (505, 32748), (527, 32787), (536, 32793), (557, 32814), (585, 32850), (587, 32853), (601, 32889), (603, 32895), (607, 32907), (608, 32910), (671, 32994), (678, 33009), (698, 33027), (725, 33096), (728, 33105), (739, 33144), (745, 33162), (756, 33183), (763, 33198), (769, 33207), (770, 33210),

Gene: Doomslug_48 Start: 31734, Stop: 32852, Start Num: 156
Candidate Starts for Doomslug_48:
(Start: 156 @31734 has 344 MA's), (Start: 162 @31743 has 1 MA's), (240, 31905), (317, 32070), (340, 32106), (351, 32115), (407, 32196), (418, 32220), (460, 32289), (491, 32349), (498, 32361), (500, 32364), (505, 32376), (513, 32391), (527, 32415), (536, 32421), (557, 32442), (585, 32478), (587, 32481), (601, 32517), (603, 32523), (607, 32535), (608, 32538), (671, 32622), (678, 32637), (698, 32655), (722, 32706), (725, 32724), (728, 32733), (732, 32745), (739, 32772), (745, 32790), (756, 32811), (763, 32826), (769, 32835), (770, 32838),

Gene: Dorito_34 Start: 27145, Stop: 28272, Start Num: 156
Candidate Starts for Dorito_34:
(54, 26926), (61, 26962), (Start: 156 @27145 has 344 MA's), (Start: 184 @27199 has 15 MA's), (237, 27322), (257, 27355), (302, 27445), (315, 27478), (457, 27673), (458, 27676), (480, 27718), (500, 27754), (688, 28051), (721, 28129), (732, 28171), (739, 28198), (769, 28261),

Gene: DosHalletts_40 Start: 31274, Stop: 32392, Start Num: 156
Candidate Starts for DosHalletts_40:
(Start: 156 @31274 has 344 MA's), (240, 31445), (265, 31493), (340, 31646), (351, 31655), (407, 31736), (418, 31760), (460, 31829), (491, 31889), (498, 31901), (500, 31904), (505, 31916), (513, 31931), (527, 31955), (536, 31961), (557, 31982), (585, 32018), (587, 32021), (601, 32057), (603, 32063), (607, 32075), (608, 32078), (614, 32093), (671, 32162), (678, 32177), (715, 32219), (725, 32264), (728, 32273), (739, 32312), (745, 32330), (756, 32351), (763, 32366), (769, 32375), (770, 32378),

Gene: Doughnut_44 Start: 34142, Stop: 35242, Start Num: 156
Candidate Starts for Doughnut_44:
(Start: 156 @34142 has 344 MA's), (165, 34160), (Start: 184 @34193 has 15 MA's), (221, 34268), (240, 34304), (300, 34418), (313, 34442), (340, 34496), (436, 34637), (457, 34661), (458, 34664), (480, 34706), (551, 34814), (607, 34919), (643, 34964), (654, 34979), (741, 35171),

Gene: Dove_67 Start: 48492, Stop: 49721, Start Num: 125

Candidate Starts for Dove_67:
(Start: 125 @48492 has 30 MA's), (Start: 136 @48510 has 1 MA's), (Start: 162 @48549 has 1 MA's), (269, 48786), (317, 48894), (400, 49014), (401, 49017), (405, 49026), (412, 49041), (426, 49080), (468, 49158), (526, 49263), (537, 49275), (550, 49278), (557, 49287), (588, 49338), (589, 49341), (599, 49359), (650, 49455), (695, 49512), (736, 49632), (737, 49635), (745, 49659), (757, 49683), (759, 49686),

Gene: DrHayes_42 Start: 33376, Stop: 34464, Start Num: 156
Candidate Starts for DrHayes_42:
(52, 33154), (Start: 156 @33376 has 344 MA's), (Start: 184 @33427 has 15 MA's), (Start: 212 @33478 has 6 MA's), (221, 33502), (240, 33538), (300, 33652), (340, 33730), (412, 33814), (457, 33883), (458, 33886), (551, 34036), (607, 34141), (713, 34276), (757, 34420),

Gene: Drake55_36 Start: 26836, Stop: 25769, Start Num: 184
Candidate Starts for Drake55_36:
(Start: 102 @26953 has 2 MA's), (Start: 150 @26890 has 130 MA's), (Start: 184 @26836 has 15 MA's), (Start: 212 @26767 has 6 MA's), (230, 26722), (234, 26716), (270, 26650), (298, 26593), (348, 26503), (430, 26392), (455, 26368), (476, 26335), (480, 26323), (551, 26215), (554, 26212), (601, 26128), (603, 26122), (610, 26101), (616, 26086), (628, 26068), (729, 25882), (737, 25852), (739, 25846), (743, 25834), (763, 25795),

Gene: DreamEater_33 Start: 28536, Stop: 27415, Start Num: 164
Candidate Starts for DreamEater_33:
(Start: 164 @28536 has 4 MA's), (169, 28527), (243, 28365), (315, 28212), (336, 28170), (390, 28134), (412, 28089), (433, 28044), (471, 27996), (491, 27954), (493, 27951), (520, 27903), (551, 27870), (609, 27762), (724, 27570), (726, 27561), (770, 27450), (784, 27429),

Gene: DropBear_33 Start: 26364, Stop: 25237, Start Num: 150
Candidate Starts for DropBear_33:
(Start: 150 @26364 has 130 MA's), (198, 26277), (Start: 212 @26241 has 6 MA's), (230, 26196), (265, 26136), (313, 26040), (315, 26028), (317, 26022), (348, 25977), (405, 25923), (407, 25920), (417, 25896), (530, 25707), (551, 25689), (564, 25677), (587, 25638), (601, 25602), (603, 25596), (610, 25575), (616, 25560), (628, 25542), (716, 25404), (729, 25356), (737, 25326), (739, 25320), (743, 25308), (763, 25269),

Gene: DudeLittle_33 Start: 26423, Stop: 25302, Start Num: 150
Candidate Starts for DudeLittle_33:
(Start: 125 @26453 has 30 MA's), (Start: 150 @26423 has 130 MA's), (Start: 184 @26372 has 15 MA's), (Start: 212 @26303 has 6 MA's), (230, 26258), (313, 26102), (323, 26075), (348, 26039), (400, 25997), (407, 25982), (455, 25904), (476, 25871), (480, 25859), (489, 25841), (551, 25751), (564, 25739), (601, 25664), (603, 25658), (610, 25637), (616, 25622), (628, 25604), (649, 25577), (654, 25568), (729, 25418), (730, 25415), (737, 25388), (739, 25382), (743, 25370), (763, 25331),

Gene: Duke13_85 Start: 52764, Stop: 53993, Start Num: 125
Candidate Starts for Duke13_85:
(Start: 125 @52764 has 30 MA's), (Start: 136 @52782 has 1 MA's), (Start: 162 @52821 has 1 MA's), (269, 53058), (317, 53166), (400, 53286), (401, 53289), (405, 53298), (412, 53313), (426, 53352), (468, 53430), (526, 53535), (537, 53547), (550, 53550), (557, 53559), (588, 53610), (589, 53613), (599, 53631), (650, 53727), (695, 53784), (736, 53904), (737, 53907), (745, 53931), (757, 53955), (759, 53958),

Gene: DumpsterDude_40 Start: 35157, Stop: 33988, Start Num: 148
Candidate Starts for DumpsterDude_40:

(Start: 148 @35157 has 95 MA's), (218, 35001), (269, 34914), (309, 34833), (323, 34797), (363, 34743), (364, 34737), (371, 34725), (374, 34713), (416, 34620), (418, 34614), (428, 34584), (497, 34515), (498, 34512), (513, 34482), (515, 34479), (556, 34431), (601, 34359), (712, 34197), (714, 34185), (721, 34158), (737, 34098), (740, 34089), (763, 34044), (786, 34005),

Gene: Duplo_37 Start: 26512, Stop: 25388, Start Num: 150
Candidate Starts for Duplo_37:
(Start: 150 @26512 has 130 MA's), (Start: 184 @26458 has 15 MA's), (Start: 212 @26389 has 6 MA's), (313, 26188), (323, 26161), (348, 26125), (405, 26071), (407, 26068), (418, 26041), (455, 25990), (476, 25957), (480, 25945), (489, 25927), (530, 25855), (551, 25837), (564, 25825), (587, 25786), (601, 25750), (603, 25744), (610, 25723), (616, 25708), (628, 25690), (649, 25663), (716, 25552), (729, 25504), (730, 25501), (737, 25474), (739, 25468), (743, 25456), (763, 25417),

Gene: Durfee_41 Start: 32792, Stop: 33880, Start Num: 156
Candidate Starts for Durfee_41:
(Start: 156 @32792 has 344 MA's), (Start: 212 @32894 has 6 MA's), (221, 32918), (240, 32954), (313, 33092), (412, 33230), (457, 33299), (458, 33302), (551, 33452), (607, 33557), (713, 33692),

Gene: Dusty_81 Start: 50323, Stop: 51621, Start Num: 155
Candidate Starts for Dusty_81:
(Start: 155 @50323 has 15 MA's), (188, 50389), (233, 50491), (249, 50518), (259, 50530), (274, 50560), (290, 50599), (301, 50617), (333, 50683), (342, 50692), (378, 50776), (420, 50866), (497, 51025), (500, 51031), (502, 51034), (577, 51160), (606, 51229), (646, 51307), (676, 51358), (712, 51385), (720, 51421), (721, 51424), (722, 51427), (723, 51433), (725, 51445), (727, 51451), (728, 51454), (729, 51457), (737, 51487), (758, 51535), (762, 51544), (779, 51574),

Gene: EMsquaredA_37 Start: 30030, Stop: 31136, Start Num: 156
Candidate Starts for EMsquaredA_37:
(115, 29973), (Start: 156 @30030 has 344 MA's), (Start: 184 @30081 has 15 MA's), (237, 30186), (241, 30195), (263, 30225), (410, 30459), (412, 30465), (457, 30534), (458, 30537), (476, 30567), (500, 30618), (505, 30630), (646, 30858), (689, 30918), (721, 30993), (728, 31023), (769, 31125),

Gene: Eagle_32 Start: 26273, Stop: 25152, Start Num: 150
Candidate Starts for Eagle_32:
(Start: 105 @26318 has 3 MA's), (Start: 124 @26291 has 7 MA's), (Start: 150 @26273 has 130 MA's), (Start: 190 @26204 has 8 MA's), (Start: 212 @26150 has 6 MA's), (317, 25931), (323, 25922), (348, 25886), (400, 25844), (405, 25832), (407, 25829), (455, 25751), (530, 25616), (551, 25598), (601, 25511), (603, 25505), (610, 25484), (616, 25469), (628, 25451), (716, 25313), (729, 25265), (737, 25235), (739, 25229), (743, 25217), (763, 25178),

Gene: Easley_35 Start: 28370, Stop: 27201, Start Num: 148
Candidate Starts for Easley_35:
(Start: 148 @28370 has 95 MA's), (269, 28127), (310, 28043), (323, 28010), (371, 27938), (374, 27926), (390, 27881), (416, 27833), (497, 27728), (498, 27725), (513, 27695), (519, 27686), (601, 27572), (637, 27500), (639, 27497), (654, 27473), (658, 27467), (664, 27455), (712, 27410), (714, 27398), (721, 27371), (750, 27278), (763, 27257), (786, 27218),

Gene: Ebert_39 Start: 27799, Stop: 28881, Start Num: 154
Candidate Starts for Ebert_39:
(Start: 85 @27682 has 2 MA's), (Start: 86 @27688 has 6 MA's), (Start: 154 @27799 has 64 MA's), (Start: 184 @27853 has 15 MA's), (245, 27973), (405, 28228), (418, 28258), (458, 28318), (493, 28384), (505, 28408), (559, 28477), (585, 28513), (721, 28738), (727, 28765), (769, 28870),

Gene: Ecliptus_49 Start: 33668, Stop: 34762, Start Num: 156
Candidate Starts for Ecliptus_49:
(115, 33623), (Start: 156 @33668 has 344 MA's), (Start: 184 @33719 has 15 MA's), (223, 33797), (237, 33824), (317, 33983), (340, 34019), (401, 34079), (405, 34088), (407, 34091), (412, 34103), (418, 34118), (419, 34121), (462, 34184), (480, 34220), (498, 34253), (500, 34256), (505, 34268), (527, 34307), (632, 34463), (683, 34535), (721, 34595), (737, 34658), (741, 34670), (770, 34730),

Gene: EdnaMode_33 Start: 26384, Stop: 27466, Start Num: 154
Candidate Starts for EdnaMode_33:
(Start: 86 @26273 has 6 MA's), (Start: 154 @26384 has 64 MA's), (Start: 184 @26438 has 15 MA's), (245, 26558), (405, 26813), (418, 26843), (458, 26903), (493, 26969), (505, 26993), (721, 27323), (727, 27350), (769, 27455),

Gene: Eesa_33 Start: 25111, Stop: 23927, Start Num: 148
Candidate Starts for Eesa_33:
(Start: 148 @25111 has 95 MA's), (261, 24892), (269, 24874), (325, 24757), (375, 24667), (566, 24352), (608, 24259), (612, 24247), (622, 24229), (712, 24112), (720, 24076),

Gene: Efra2_44 Start: 32569, Stop: 33669, Start Num: 156
Candidate Starts for Efra2_44:
(Start: 156 @32569 has 344 MA's), (Start: 184 @32620 has 15 MA's), (221, 32695), (240, 32731), (241, 32734), (300, 32845), (436, 33064), (457, 33088), (458, 33091), (527, 33220), (551, 33241), (607, 33346), (671, 33433), (713, 33481), (724, 33529),

Gene: Eileen_34 Start: 24892, Stop: 26034, Start Num: 156
Candidate Starts for Eileen_34:
(Start: 156 @24892 has 344 MA's), (337, 25246), (340, 25252), (354, 25267), (391, 25321), (418, 25378), (457, 25438), (458, 25441), (474, 25468), (505, 25531), (587, 25651), (605, 25699), (678, 25825), (686, 25837), (728, 25933), (754, 26008),

Gene: Ein37_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Ein37_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: Ejimix_81 Start: 53852, Stop: 55081, Start Num: 125
Candidate Starts for Ejimix_81:
(Start: 125 @53852 has 30 MA's), (Start: 136 @53870 has 1 MA's), (Start: 162 @53909 has 1 MA's), (269, 54146), (317, 54254), (400, 54374), (401, 54377), (405, 54386), (412, 54401), (426, 54440), (468, 54518), (537, 54635), (550, 54638), (557, 54647), (588, 54698), (589, 54701), (599, 54719), (650, 54815), (695, 54872), (736, 54992), (737, 54995), (745, 55019), (757, 55043), (759, 55046),

Gene: EleanorGeorge_40 Start: 31639, Stop: 32757, Start Num: 156
Candidate Starts for EleanorGeorge_40:
(Start: 156 @31639 has 344 MA's), (Start: 162 @31648 has 1 MA's), (240, 31810), (317, 31975), (340, 32011), (351, 32020), (418, 32125), (460, 32194), (480, 32233), (489, 32251), (491, 32254), (498, 32266), (500, 32269), (505, 32281), (513, 32296), (527, 32320), (536, 32326), (557, 32347), (585, 32383), (587, 32386), (601, 32422), (603, 32428), (608, 32443), (614, 32458), (671, 32527), (678,

32542), (715, 32584), (725, 32629), (728, 32638), (739, 32677), (745, 32695), (756, 32716), (763, 32731), (769, 32740), (770, 32743),

Gene: Emerson_42 Start: 32470, Stop: 33558, Start Num: 156
Candidate Starts for Emerson_42:
(Start: 156 @32470 has 344 MA's), (Start: 184 @32521 has 15 MA's), (Start: 212 @32572 has 6 MA's), (221, 32596), (240, 32632), (313, 32770), (340, 32824), (412, 32908), (457, 32977), (458, 32980), (551, 33130), (597, 33208), (607, 33235), (671, 33322), (713, 33370),

Gene: Emma_44 Start: 32666, Stop: 33784, Start Num: 156
Candidate Starts for Emma_44:
(Start: 156 @32666 has 344 MA's), (Start: 162 @32675 has 1 MA's), (240, 32837), (265, 32885), (317, 33002), (340, 33038), (351, 33047), (418, 33152), (460, 33221), (480, 33260), (489, 33278), (491, 33281), (498, 33293), (500, 33296), (505, 33308), (513, 33323), (527, 33347), (536, 33353), (557, 33374), (585, 33410), (587, 33413), (601, 33449), (603, 33455), (607, 33467), (608, 33470), (614, 33485), (671, 33554), (678, 33569), (698, 33587), (715, 33611), (725, 33656), (728, 33665), (739, 33704), (745, 33722), (756, 33743), (763, 33758), (769, 33767), (770, 33770),

Gene: EnalisNailo_35 Start: 31003, Stop: 32085, Start Num: 154
Candidate Starts for EnalisNailo_35:
(Start: 154 @31003 has 64 MA's), (Start: 215 @31120 has 1 MA's), (265, 31213), (405, 31435), (420, 31471), (458, 31525), (495, 31594), (500, 31603), (721, 31942), (727, 31969), (769, 32074),

Gene: Enby_42 Start: 31168, Stop: 32286, Start Num: 156
Candidate Starts for Enby_42:
(Start: 156 @31168 has 344 MA's), (Start: 162 @31177 has 1 MA's), (240, 31339), (317, 31504), (340, 31540), (351, 31549), (407, 31630), (418, 31654), (460, 31723), (480, 31762), (489, 31780), (491, 31783), (498, 31795), (500, 31798), (505, 31810), (527, 31849), (536, 31855), (557, 31876), (585, 31912), (587, 31915), (601, 31951), (603, 31957), (608, 31972), (671, 32056), (678, 32071), (698, 32089), (725, 32158), (728, 32167), (739, 32206), (745, 32224), (756, 32245), (763, 32260), (769, 32269), (770, 32272),

Gene: Engineer_85 Start: 52096, Stop: 53394, Start Num: 155
Candidate Starts for Engineer_85:
(Start: 155 @52096 has 15 MA's), (188, 52162), (233, 52264), (249, 52291), (259, 52303), (274, 52333), (290, 52372), (301, 52390), (333, 52456), (342, 52465), (378, 52549), (420, 52639), (497, 52798), (500, 52804), (502, 52807), (577, 52933), (606, 53002), (646, 53080), (676, 53131), (712, 53158), (720, 53194), (721, 53197), (722, 53200), (723, 53206), (725, 53218), (727, 53224), (728, 53227), (729, 53230), (737, 53260), (758, 53308), (762, 53317), (779, 53347),

Gene: Enkosi_39 Start: 34589, Stop: 35683, Start Num: 156
Candidate Starts for Enkosi_39:
(28, 34238), (31, 34253), (47, 34346), (52, 34367), (80, 34460), (Start: 156 @34589 has 344 MA's), (Start: 184 @34640 has 15 MA's), (221, 34715), (240, 34751), (289, 34847), (300, 34865), (313, 34889), (337, 34937), (340, 34943), (432, 35075), (457, 35108), (480, 35153), (551, 35261), (607, 35366), (654, 35426), (713, 35501), (741, 35609), (757, 35645),

Gene: Enzomatic_49 Start: 32594, Stop: 33712, Start Num: 156
Candidate Starts for Enzomatic_49:
(Start: 156 @32594 has 344 MA's), (223, 32732), (240, 32765), (265, 32813), (340, 32966), (351, 32975), (418, 33080), (460, 33149), (491, 33209), (498, 33221), (500, 33224), (513, 33251), (527, 33275), (557, 33302), (585, 33338), (587, 33341), (601, 33377), (603, 33383), (607, 33395), (608, 33398), (671, 33482), (678, 33497), (715, 33539), (725, 33584), (728, 33593), (739, 33632), (745,

33650), (756, 33671), (763, 33686), (769, 33695), (770, 33698),

Gene: EpicPhail_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for EpicPhail_36:
(Start: 150 @26790 has 130 MA's), (Start: 175 @26751 has 11 MA's), (198, 26703), (Start: 212 @26667 has 6 MA's), (230, 26622), (313, 26466), (323, 26439), (348, 26403), (407, 26346), (455, 26268), (471, 26244), (489, 26205), (530, 26133), (547, 26121), (551, 26115), (564, 26103), (601, 26028), (603, 26022), (610, 26001), (616, 25986), (628, 25968), (647, 25944), (716, 25830), (728, 25785), (729, 25782), (732, 25773), (737, 25752), (739, 25746), (743, 25734), (763, 25695),

Gene: Equemioh13_35 Start: 26811, Stop: 25678, Start Num: 144
Candidate Starts for Equemioh13_35:
(Start: 144 @26811 has 10 MA's), (Start: 184 @26757 has 15 MA's), (Start: 212 @26688 has 6 MA's), (230, 26643), (313, 26487), (323, 26460), (348, 26424), (407, 26367), (480, 26244), (489, 26226), (551, 26136), (564, 26124), (601, 26049), (603, 26043), (610, 26022), (616, 26007), (628, 25989), (649, 25962), (654, 25953), (716, 25851), (729, 25803), (737, 25773), (739, 25767), (743, 25755), (763, 25716),

Gene: EricMillard_80 Start: 53055, Stop: 54284, Start Num: 125
Candidate Starts for EricMillard_80:
(Start: 125 @53055 has 30 MA's), (Start: 136 @53073 has 1 MA's), (Start: 162 @53112 has 1 MA's), (269, 53349), (317, 53457), (400, 53577), (401, 53580), (405, 53589), (412, 53604), (426, 53643), (468, 53721), (526, 53826), (537, 53838), (550, 53841), (557, 53850), (588, 53901), (589, 53904), (599, 53922), (650, 54018), (695, 54075), (736, 54195), (737, 54198), (745, 54222), (757, 54246), (759, 54249),

Gene: Estave1_43 Start: 31907, Stop: 33010, Start Num: 156
Candidate Starts for Estave1_43:
(Start: 156 @31907 has 344 MA's), (Start: 184 @31955 has 15 MA's), (223, 32036), (235, 32063), (340, 32276), (364, 32300), (407, 32348), (457, 32429), (493, 32498), (498, 32507), (513, 32537), (527, 32561), (551, 32582), (597, 32660), (603, 32675), (646, 32735), (671, 32774), (678, 32789), (695, 32813), (715, 32840), (721, 32864), (725, 32885), (728, 32894), (741, 32939), (745, 32951),

Gene: Eudoria_39 Start: 30563, Stop: 31645, Start Num: 154
Candidate Starts for Eudoria_39:
(Start: 86 @30452 has 6 MA's), (Start: 154 @30563 has 64 MA's), (Start: 184 @30617 has 15 MA's), (245, 30737), (405, 30992), (418, 31022), (458, 31082), (493, 31148), (505, 31172), (721, 31502), (727, 31529), (769, 31634),

Gene: Eurydice_33 Start: 26248, Stop: 25127, Start Num: 150
Candidate Starts for Eurydice_33:
(Start: 105 @26293 has 3 MA's), (Start: 124 @26266 has 7 MA's), (Start: 150 @26248 has 130 MA's), (Start: 190 @26179 has 8 MA's), (Start: 212 @26125 has 6 MA's), (317, 25906), (323, 25897), (348, 25861), (400, 25819), (405, 25807), (407, 25804), (455, 25726), (530, 25591), (551, 25573), (601, 25486), (603, 25480), (610, 25459), (616, 25444), (628, 25426), (716, 25288), (729, 25240), (737, 25210), (739, 25204), (743, 25192), (763, 25153),

Gene: Evanesce_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Evanesce_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558,

25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: EvePickles_38 Start: 28599, Stop: 27466, Start Num: 156
Candidate Starts for EvePickles_38:
(63, 28782), (71, 28752), (Start: 156 @28599 has 344 MA's), (Start: 184 @28548 has 15 MA's), (236, 28434), (265, 28392), (270, 28380), (279, 28362), (332, 28248), (351, 28230), (400, 28167), (407, 28152), (412, 28140), (457, 28065), (462, 28056), (493, 27996), (541, 27921), (553, 27906), (632, 27756), (635, 27753), (715, 27636), (721, 27612), (724, 27597), (739, 27543), (747, 27522), (761, 27492),

Gene: Eviarto_39 Start: 31988, Stop: 33070, Start Num: 154
Candidate Starts for Eviarto_39:
(Start: 86 @31877 has 6 MA's), (Start: 154 @31988 has 64 MA's), (Start: 184 @32042 has 15 MA's), (245, 32162), (401, 32408), (405, 32417), (418, 32447), (458, 32507), (493, 32573), (505, 32597), (721, 32927), (727, 32954), (769, 33059),

Gene: EvilGenius_36 Start: 28005, Stop: 27007, Start Num: 212
Candidate Starts for EvilGenius_36:
(Start: 124 @28152 has 7 MA's), (Start: 135 @28134 has 6 MA's), (Start: 190 @28053 has 8 MA's), (Start: 212 @28005 has 6 MA's), (230, 27960), (313, 27804), (323, 27777), (348, 27741), (407, 27684), (455, 27606), (476, 27573), (480, 27561), (489, 27543), (551, 27453), (564, 27441), (601, 27366), (603, 27360), (610, 27339), (616, 27324), (628, 27306), (649, 27279), (654, 27270), (716, 27168), (729, 27120), (730, 27117), (737, 27090), (739, 27084), (743, 27072), (763, 27033),

Gene: Faith5x5_30 Start: 24997, Stop: 26145, Start Num: 104
Candidate Starts for Faith5x5_30:
(Start: 104 @24997 has 1 MA's), (Start: 125 @25027 has 30 MA's), (Start: 151 @25060 has 2 MA's), (205, 25147), (237, 25219), (480, 25615), (500, 25651), (502, 25654), (505, 25663), (587, 25777), (683, 25942), (721, 26002), (741, 26077), (769, 26134),

Gene: Faja_39 Start: 29043, Stop: 27904, Start Num: 156
Candidate Starts for Faja_39:
(Start: 156 @29043 has 344 MA's), (Start: 184 @28992 has 15 MA's), (270, 28824), (279, 28806), (351, 28674), (407, 28596), (412, 28584), (413, 28578), (457, 28509), (462, 28500), (493, 28440), (553, 28350), (608, 28245), (618, 28224), (635, 28197), (715, 28074), (721, 28050), (724, 28035), (761, 27930),

Gene: Fameo_34 Start: 26494, Stop: 25430, Start Num: 184
Candidate Starts for Fameo_34:
(Start: 125 @26575 has 30 MA's), (Start: 150 @26545 has 130 MA's), (Start: 184 @26494 has 15 MA's), (Start: 212 @26425 has 6 MA's), (230, 26380), (313, 26224), (323, 26197), (348, 26161), (407, 26104), (455, 26026), (476, 25993), (480, 25981), (489, 25963), (551, 25873), (564, 25861), (603, 25780), (610, 25759), (616, 25744), (628, 25726), (649, 25699), (716, 25588), (728, 25543), (729, 25540), (730, 25537), (737, 25510), (739, 25504), (743, 25492), (763, 25453),

Gene: Farber_36 Start: 26744, Stop: 25638, Start Num: 175
Candidate Starts for Farber_36:
(Start: 150 @26783 has 130 MA's), (Start: 175 @26744 has 11 MA's), (Start: 212 @26660 has 6 MA's), (230, 26615), (313, 26459), (323, 26432), (348, 26396), (407, 26339), (455, 26261), (471, 26237), (489, 26198), (530, 26126), (547, 26114), (551, 26108), (564, 26096), (601, 26021), (603, 26015), (610, 25994), (616, 25979), (628, 25961), (647, 25937), (716, 25823), (728, 25778), (729,

25775), (732, 25766), (737, 25745), (739, 25739), (743, 25727), (763, 25688),

Gene: Farewell_44 Start: 33396, Stop: 34574, Start Num: 160
Candidate Starts for Farewell_44:
(Start: 160 @33396 has 3 MA's), (Start: 184 @33444 has 15 MA's), (216, 33510), (240, 33555), (315, 33705), (340, 33747), (412, 33861), (420, 33888), (457, 33936), (458, 33939), (500, 34020), (505, 34032), (583, 34137), (601, 34179), (606, 34194), (611, 34209), (635, 34233), (713, 34344), (727, 34404), (756, 34485), (761, 34497), (783, 34536),

Gene: Fernando_36 Start: 26750, Stop: 25644, Start Num: 175
Candidate Starts for Fernando_36:
(Start: 150 @26789 has 130 MA's), (Start: 175 @26750 has 11 MA's), (198, 26702), (Start: 212 @26666 has 6 MA's), (230, 26621), (313, 26465), (323, 26438), (348, 26402), (407, 26345), (455, 26267), (471, 26243), (489, 26204), (530, 26132), (547, 26120), (551, 26114), (564, 26102), (601, 26027), (603, 26021), (610, 26000), (616, 25985), (628, 25967), (647, 25943), (716, 25829), (728, 25784), (729, 25781), (732, 25772), (737, 25751), (739, 25745), (743, 25733), (763, 25694),

Gene: Filuzino_41 Start: 31324, Stop: 32442, Start Num: 156
Candidate Starts for Filuzino_41:
(Start: 156 @31324 has 344 MA's), (240, 31495), (317, 31660), (340, 31696), (351, 31705), (418, 31810), (460, 31879), (480, 31918), (491, 31939), (498, 31951), (500, 31954), (505, 31966), (513, 31981), (527, 32005), (536, 32011), (557, 32032), (585, 32068), (587, 32071), (601, 32107), (603, 32113), (608, 32128), (614, 32143), (671, 32212), (678, 32227), (698, 32245), (715, 32269), (725, 32314), (728, 32323), (739, 32362), (745, 32380), (756, 32401), (763, 32416), (769, 32425), (770, 32428),

Gene: Findley_43 Start: 34310, Stop: 35410, Start Num: 156
Candidate Starts for Findley_43:
(Start: 156 @34310 has 344 MA's), (165, 34328), (Start: 184 @34361 has 15 MA's), (221, 34436), (240, 34472), (300, 34586), (313, 34610), (340, 34664), (436, 34805), (457, 34829), (458, 34832), (480, 34874), (551, 34982), (607, 35087), (643, 35132), (654, 35147), (741, 35339),

Gene: Fingolfin_36 Start: 23916, Stop: 22723, Start Num: 148
Candidate Starts for Fingolfin_36:
(Start: 148 @23916 has 95 MA's), (371, 23487), (390, 23430), (404, 23406), (551, 23178), (612, 23052), (618, 23040), (632, 23019), (720, 22881), (743, 22800), (770, 22752),

Gene: Finkle_45 Start: 32773, Stop: 31643, Start Num: 182
Candidate Starts for Finkle_45:
(Start: 151 @32830 has 2 MA's), (Start: 182 @32773 has 2 MA's), (193, 32749), (206, 32716), (278, 32554), (343, 32419), (346, 32416), (390, 32350), (426, 32266), (431, 32257), (445, 32230), (464, 32188), (480, 32161), (540, 32056), (595, 31972), (657, 31870), (705, 31846), (722, 31795), (725, 31777), (731, 31759), (737, 31735), (741, 31723),

Gene: FiringLine_34 Start: 26370, Stop: 25255, Start Num: 150
Candidate Starts for FiringLine_34:
(Start: 125 @26400 has 30 MA's), (Start: 150 @26370 has 130 MA's), (Start: 212 @26250 has 6 MA's), (230, 26205), (313, 26049), (323, 26022), (348, 25986), (400, 25944), (407, 25929), (476, 25818), (480, 25806), (489, 25788), (551, 25698), (564, 25686), (601, 25611), (603, 25605), (610, 25584), (616, 25569), (628, 25551), (649, 25524), (654, 25515), (716, 25413), (728, 25368), (729, 25365), (730, 25362), (737, 25335), (739, 25329), (743, 25317), (763, 25278),

Gene: Flare16_34 Start: 26449, Stop: 25382, Start Num: 184

Candidate Starts for Flare16_34:
(Start: 102 @26566 has 2 MA's), (Start: 150 @26503 has 130 MA's), (Start: 184 @26449 has 15 MA's), (Start: 212 @26380 has 6 MA's), (230, 26335), (297, 26209), (323, 26152), (348, 26116), (405, 26062), (407, 26059), (480, 25936), (489, 25918), (551, 25828), (564, 25816), (601, 25741), (603, 25735), (610, 25714), (616, 25699), (628, 25681), (649, 25654), (729, 25495), (737, 25465), (739, 25459), (743, 25447), (763, 25408),

Gene: Flathead_44 Start: 33580, Stop: 34698, Start Num: 156
Candidate Starts for Flathead_44:
(Start: 156 @33580 has 344 MA's), (Start: 162 @33589 has 1 MA's), (240, 33751), (317, 33916), (340, 33952), (351, 33961), (418, 34066), (460, 34135), (480, 34174), (489, 34192), (491, 34195), (498, 34207), (500, 34210), (505, 34222), (513, 34237), (527, 34261), (536, 34267), (557, 34288), (585, 34324), (587, 34327), (601, 34363), (603, 34369), (607, 34381), (608, 34384), (671, 34468), (678, 34483), (698, 34501), (715, 34525), (725, 34570), (728, 34579), (739, 34618), (745, 34636), (756, 34657), (763, 34672), (769, 34681), (770, 34684),

Gene: Floral_36 Start: 32103, Stop: 33209, Start Num: 156
Candidate Starts for Floral_36:
(115, 32046), (Start: 156 @32103 has 344 MA's), (Start: 184 @32154 has 15 MA's), (237, 32259), (263, 32298), (412, 32538), (457, 32607), (458, 32610), (476, 32640), (500, 32691), (505, 32703), (646, 32931), (689, 32991), (721, 33066), (728, 33096), (769, 33198),

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 5 MA's), (163, 22455), (172, 22437), (197, 22386), (216, 22350), (272, 22254), (314, 22170), (324, 22143), (338, 22119), (385, 22077), (390, 22062), (412, 22017), (426, 21978), (457, 21945), (493, 21879), (495, 21876), (505, 21855), (553, 21789), (608, 21687), (611, 21678), (629, 21648), (645, 21621), (661, 21594), (677, 21567), (684, 21555), (697, 21537), (715, 21501), (721, 21477), (739, 21408), (745, 21390), (757, 21366), (770, 21342),

Gene: Forge_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Forge_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: FosterFrank_40 Start: 26544, Stop: 27686, Start Num: 156
Candidate Starts for FosterFrank_40:
(74, 26397), (79, 26409), (83, 26418), (95, 26451), (Start: 125 @26499 has 30 MA's), (134, 26514), (Start: 156 @26544 has 344 MA's), (337, 26898), (340, 26904), (356, 26922), (418, 27030), (457, 27090), (505, 27183), (587, 27303), (605, 27351), (616, 27381), (678, 27477), (728, 27585), (754, 27660),

Gene: Francois_38 Start: 31405, Stop: 30134, Start Num: 148
Candidate Starts for Francois_38:
(Start: 148 @31405 has 95 MA's), (Start: 156 @31390 has 344 MA's), (204, 31288), (226, 31246), (269, 31159), (306, 31084), (310, 31075), (315, 31057), (374, 30958), (375, 30955), (416, 30865), (491, 30769), (554, 30664), (558, 30658), (639, 30496), (714, 30355), (725, 30310), (740, 30259),

(750, 30235), (759, 30223), (765, 30211), (791, 30172),

Gene: Fred313_33 Start: 26049, Stop: 24922, Start Num: 150
Candidate Starts for Fred313_33:
(Start: 150 @26049 has 130 MA's), (198, 25962), (Start: 212 @25926 has 6 MA's), (230, 25881), (265, 25821), (313, 25725), (315, 25713), (317, 25707), (348, 25662), (405, 25608), (407, 25605), (417, 25581), (530, 25392), (551, 25374), (564, 25362), (587, 25323), (601, 25287), (603, 25281), (610, 25260), (616, 25245), (628, 25227), (716, 25089), (729, 25041), (737, 25011), (739, 25005), (743, 24993), (763, 24954),

Gene: Frickyeah_52 Start: 32012, Stop: 33106, Start Num: 156
Candidate Starts for Frickyeah_52:
(94, 31925), (117, 31961), (Start: 156 @32012 has 344 MA's), (Start: 184 @32063 has 15 MA's), (219, 32135), (223, 32141), (237, 32168), (284, 32255), (317, 32327), (340, 32363), (351, 32372), (412, 32447), (419, 32465), (480, 32564), (498, 32597), (500, 32600), (505, 32612), (587, 32714), (611, 32780), (632, 32807), (683, 32879), (721, 32939), (727, 32966), (770, 33074),

Gene: FroggyToad_38 Start: 30081, Stop: 28912, Start Num: 148
Candidate Starts for FroggyToad_38:
(Start: 148 @30081 has 95 MA's), (269, 29838), (309, 29757), (323, 29721), (344, 29694), (363, 29667), (364, 29661), (371, 29649), (374, 29637), (412, 29553), (416, 29544), (418, 29538), (497, 29439), (498, 29436), (513, 29406), (556, 29355), (601, 29283), (611, 29253), (712, 29121), (714, 29109), (737, 29022), (740, 29013), (763, 28968), (786, 28929),

Gene: Fruitloop_40 Start: 32560, Stop: 33678, Start Num: 156
Candidate Starts for Fruitloop_40:
(Start: 156 @32560 has 344 MA's), (240, 32731), (317, 32896), (340, 32932), (351, 32941), (407, 33022), (418, 33046), (460, 33115), (480, 33154), (491, 33175), (498, 33187), (500, 33190), (505, 33202), (513, 33217), (527, 33241), (536, 33247), (557, 33268), (585, 33304), (587, 33307), (601, 33343), (603, 33349), (608, 33364), (614, 33379), (671, 33448), (678, 33463), (715, 33505), (725, 33550), (728, 33559), (739, 33598), (745, 33616), (756, 33637), (763, 33652), (769, 33661), (770, 33664),

Gene: GMA1_30 Start: 24152, Stop: 23064, Start Num: 156
Candidate Starts for GMA1_30:
(Start: 156 @24152 has 344 MA's), (314, 23858), (346, 23798), (407, 23723), (412, 23711), (438, 23663), (457, 23642), (460, 23636), (495, 23567), (500, 23558), (505, 23546), (539, 23498), (597, 23414), (618, 23363), (639, 23336), (654, 23315), (689, 23267), (711, 23249), (721, 23207), (724, 23192), (726, 23183), (727, 23180), (728, 23177), (745, 23120), (769, 23075),

Gene: GMA4_29 Start: 26449, Stop: 25217, Start Num: 146
Candidate Starts for GMA4_29:
(146, 26449), (258, 26212), (261, 26203), (264, 26197), (374, 25981), (394, 25924), (435, 25837), (497, 25753), (500, 25747), (519, 25711), (601, 25570), (637, 25498), (717, 25381), (737, 25309), (750, 25276), (751, 25273),

Gene: GUPitcher_33 Start: 28767, Stop: 27628, Start Num: 164
Candidate Starts for GUPitcher_33:
(Start: 164 @28767 has 4 MA's), (198, 28701), (228, 28626), (238, 28605), (263, 28560), (302, 28476), (327, 28419), (336, 28401), (390, 28365), (405, 28335), (412, 28320), (417, 28308), (424, 28287), (457, 28251), (458, 28248), (471, 28227), (491, 28185), (493, 28182), (505, 28158), (530, 28119), (551, 28101), (609, 27993), (646, 27942), (694, 27870), (724, 27801), (725, 27795), (726, 27792), (784, 27660), (788, 27654),

Gene: Gaia_52 Start: 37562, Stop: 38833, Start Num: 103
Candidate Starts for Gaia_52:
(Start: 103 @37562 has 10 MA's), (Start: 136 @37610 has 1 MA's), (Start: 162 @37649 has 1 MA's), (286, 37928), (354, 38045), (400, 38114), (401, 38117), (405, 38126), (418, 38156), (446, 38222), (468, 38258), (482, 38285), (484, 38288), (491, 38303), (495, 38309), (514, 38342), (522, 38357), (524, 38360), (526, 38363), (537, 38375), (550, 38393), (557, 38402), (583, 38444), (587, 38450), (588, 38453), (608, 38498), (650, 38570), (703, 38636), (715, 38663), (736, 38747), (737, 38750), (748, 38777), (757, 38798),

Gene: Galactic_43 Start: 32779, Stop: 33897, Start Num: 156
Candidate Starts for Galactic_43:
(Start: 156 @32779 has 344 MA's), (Start: 162 @32788 has 1 MA's), (240, 32950), (317, 33115), (340, 33151), (351, 33160), (418, 33265), (460, 33334), (480, 33373), (489, 33391), (491, 33394), (498, 33406), (500, 33409), (505, 33421), (513, 33436), (527, 33460), (536, 33466), (557, 33487), (585, 33523), (587, 33526), (601, 33562), (603, 33568), (608, 33583), (614, 33598), (671, 33667), (678, 33682), (715, 33724), (725, 33769), (728, 33778), (739, 33817), (745, 33835), (756, 33856), (763, 33871), (769, 33880), (770, 33883),

Gene: Galaxy_33 Start: 24046, Stop: 22862, Start Num: 148
Candidate Starts for Galaxy_33:
(Start: 148 @24046 has 95 MA's), (325, 23692), (371, 23617), (375, 23602), (551, 23308), (566, 23287), (581, 23260), (608, 23194), (612, 23182), (622, 23164), (717, 23020), (720, 23011),

Gene: Gallop_33 Start: 28238, Stop: 27153, Start Num: 173
Candidate Starts for Gallop_33:
(173, 28238), (200, 28190), (330, 27896), (407, 27815), (429, 27764), (514, 27599), (559, 27539), (583, 27500), (598, 27476), (610, 27440), (611, 27437), (627, 27410), (673, 27362), (721, 27293), (725, 27272), (726, 27269), (727, 27266), (737, 27230), (753, 27191), (757, 27182), (767, 27167), (770, 27161),

Gene: Gancho_28 Start: 26243, Stop: 25008, Start Num: 166
Candidate Starts for Gancho_28:
(Start: 166 @26243 has 2 MA's), (Start: 189 @26201 has 21 MA's), (213, 26135), (243, 26066), (249, 26054), (266, 26015), (275, 26000), (277, 25994), (282, 25982), (313, 25922), (345, 25865), (365, 25832), (367, 25829), (369, 25826), (418, 25712), (423, 25697), (434, 25673), (445, 25658), (449, 25643), (471, 25619), (477, 25607), (496, 25568), (497, 25565), (515, 25529), (556, 25481), (558, 25478), (601, 25406), (603, 25400), (607, 25388), (608, 25385), (610, 25379), (640, 25325), (653, 25304), (668, 25277), (678, 25259), (682, 25253), (713, 25208), (719, 25181), (721, 25175), (728, 25145), (735, 25118), (763, 25055),

Gene: Ganymede_42 Start: 32781, Stop: 33869, Start Num: 156
Candidate Starts for Ganymede_42:
(Start: 156 @32781 has 344 MA's), (Start: 212 @32883 has 6 MA's), (221, 32907), (240, 32943), (313, 33081), (340, 33135), (412, 33219), (457, 33288), (458, 33291), (551, 33441), (607, 33546), (671, 33633), (689, 33663), (713, 33681), (757, 33825),

Gene: GaugeLDP_35 Start: 27254, Stop: 26070, Start Num: 102
Candidate Starts for GaugeLDP_35:
(Start: 102 @27254 has 2 MA's), (Start: 150 @27191 has 130 MA's), (Start: 184 @27137 has 15 MA's), (Start: 212 @27068 has 6 MA's), (230, 27023), (298, 26894), (348, 26804), (430, 26693), (551, 26516), (564, 26504), (601, 26429), (603, 26423), (610, 26402), (616, 26387), (628, 26369), (716, 26231), (729, 26183), (730, 26180), (737, 26153), (739, 26147), (743, 26135), (763, 26096),

Gene: Geeche_82 Start: 51160, Stop: 52458, Start Num: 155
Candidate Starts for Geeche_82:
(Start: 155 @51160 has 15 MA's), (188, 51226), (233, 51328), (249, 51355), (259, 51367), (268, 51385), (274, 51397), (290, 51436), (301, 51454), (333, 51520), (342, 51529), (378, 51613), (420, 51703), (497, 51862), (500, 51868), (502, 51871), (577, 51997), (606, 52066), (646, 52144), (676, 52195), (712, 52222), (720, 52258), (721, 52261), (722, 52264), (723, 52270), (725, 52282), (727, 52288), (728, 52291), (729, 52294), (737, 52324), (758, 52372), (762, 52381), (779, 52411),

Gene: GemG_37 Start: 27875, Stop: 28957, Start Num: 154
Candidate Starts for GemG_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (559, 28553), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: Gemma_35 Start: 26639, Stop: 25494, Start Num: 150
Candidate Starts for Gemma_35:
(Start: 102 @26702 has 2 MA's), (Start: 150 @26639 has 130 MA's), (Start: 184 @26585 has 15 MA's), (Start: 212 @26516 has 6 MA's), (317, 26297), (323, 26288), (348, 26252), (407, 26195), (455, 26117), (476, 26084), (530, 25982), (551, 25964), (564, 25952), (601, 25877), (603, 25871), (610, 25850), (616, 25835), (628, 25817), (647, 25793), (728, 25634), (729, 25631), (737, 25601), (739, 25595), (743, 25583), (763, 25544),

Gene: Georgie2_35 Start: 26415, Stop: 25300, Start Num: 150
Candidate Starts for Georgie2_35:
(Start: 125 @26445 has 30 MA's), (Start: 150 @26415 has 130 MA's), (Start: 212 @26295 has 6 MA's), (230, 26250), (313, 26094), (323, 26067), (348, 26031), (400, 25989), (407, 25974), (455, 25896), (476, 25863), (480, 25851), (489, 25833), (551, 25743), (564, 25731), (601, 25656), (603, 25650), (610, 25629), (616, 25614), (628, 25596), (649, 25569), (716, 25458), (728, 25413), (729, 25410), (730, 25407), (737, 25380), (739, 25374), (743, 25362), (763, 25323),

Gene: Geraldini_43 Start: 33527, Stop: 34615, Start Num: 156
Candidate Starts for Geraldini_43:
(Start: 156 @33527 has 344 MA's), (Start: 212 @33629 has 6 MA's), (221, 33653), (240, 33689), (313, 33827), (340, 33881), (412, 33965), (457, 34034), (458, 34037), (551, 34187), (607, 34292), (671, 34379), (713, 34427), (757, 34571),

Gene: Getalong_53 Start: 34783, Stop: 35853, Start Num: 156
Candidate Starts for Getalong_53:
(Start: 156 @34783 has 344 MA's), (Start: 184 @34834 has 15 MA's), (223, 34912), (237, 34939), (340, 35134), (351, 35143), (401, 35194), (405, 35203), (407, 35206), (412, 35218), (433, 35263), (462, 35299), (480, 35335), (498, 35368), (500, 35371), (505, 35383), (611, 35551), (683, 35650), (721, 35710), (727, 35737), (728, 35740), (735, 35767), (737, 35773), (741, 35785), (769, 35842),

Gene: Gibbzilla_34 Start: 25123, Stop: 23969, Start Num: 156
Candidate Starts for Gibbzilla_34:
(Start: 156 @25123 has 344 MA's), (185, 25069), (300, 24820), (317, 24775), (328, 24754), (330, 24751), (412, 24628), (418, 24613), (471, 24532), (473, 24529), (476, 24523), (572, 24370), (601, 24316), (609, 24292), (616, 24274), (635, 24247), (671, 24193), (678, 24178), (725, 24079), (741, 24025), (754, 23995),

Gene: Giles_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Giles_29:

(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: GingkoMaracino_36 Start: 26637, Stop: 25531, Start Num: 175
Candidate Starts for GingkoMaracino_36:
(Start: 150 @26676 has 130 MA's), (Start: 175 @26637 has 11 MA's), (198, 26589), (Start: 212 @26553 has 6 MA's), (230, 26508), (313, 26352), (323, 26325), (348, 26289), (407, 26232), (455, 26154), (471, 26130), (489, 26091), (530, 26019), (547, 26007), (551, 26001), (564, 25989), (601, 25914), (603, 25908), (610, 25887), (616, 25872), (628, 25854), (647, 25830), (716, 25716), (728, 25671), (729, 25668), (732, 25659), (737, 25638), (739, 25632), (743, 25620), (763, 25581),

Gene: Giroux_34 Start: 26296, Stop: 25169, Start Num: 150
Candidate Starts for Giroux_34:
(Start: 150 @26296 has 130 MA's), (198, 26209), (Start: 212 @26173 has 6 MA's), (230, 26128), (313, 25972), (315, 25960), (317, 25954), (348, 25909), (405, 25855), (407, 25852), (417, 25828), (551, 25621), (564, 25609), (587, 25570), (601, 25534), (603, 25528), (610, 25507), (616, 25492), (628, 25474), (716, 25336), (729, 25288), (737, 25258), (739, 25252), (743, 25240), (763, 25201),

Gene: Gizermo_37 Start: 27758, Stop: 28957, Start Num: 85
Candidate Starts for Gizermo_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (559, 28553), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: Globfish_39 Start: 27492, Stop: 26353, Start Num: 156
Candidate Starts for Globfish_39:
(Start: 156 @27492 has 344 MA's), (Start: 184 @27441 has 15 MA's), (236, 27327), (270, 27273), (279, 27255), (332, 27141), (351, 27123), (407, 27045), (412, 27033), (457, 26958), (462, 26949), (493, 26889), (553, 26799), (607, 26697), (610, 26688), (618, 26673), (632, 26649), (635, 26646), (715, 26529), (721, 26505), (724, 26490), (745, 26418), (747, 26415), (770, 26370),

Gene: GlobiWarming_38 Start: 26068, Stop: 27210, Start Num: 156
Candidate Starts for GlobiWarming_38:
(Start: 156 @26068 has 344 MA's), (337, 26422), (340, 26428), (356, 26446), (418, 26554), (457, 26614), (505, 26707), (587, 26827), (605, 26875), (616, 26905), (678, 27001), (728, 27109), (754, 27184),

Gene: Glotell_37 Start: 24072, Stop: 22879, Start Num: 148
Candidate Starts for Glotell_37:
(Start: 148 @24072 has 95 MA's), (371, 23643), (390, 23586), (404, 23562), (551, 23334), (612, 23208), (618, 23196), (632, 23175), (720, 23037), (743, 22956), (770, 22908),

Gene: Goib_39 Start: 28036, Stop: 26921, Start Num: 187
Candidate Starts for Goib_39:
(Start: 150 @28105 has 130 MA's), (Start: 187 @28036 has 13 MA's), (358, 27697), (390, 27664), (541, 27370), (559, 27358), (652, 27178), (739, 26980),

Gene: Gonephishing_76 Start: 48662, Stop: 49951, Start Num: 97

Candidate Starts for Gonephishing_76:
(81, 48620), (Start: 97 @48662 has 1 MA's), (Start: 103 @48677 has 10 MA's), (106, 48680), (Start: 136 @48725 has 1 MA's), (Start: 162 @48764 has 1 MA's), (338, 49145), (400, 49229), (407, 49244), (468, 49373), (550, 49493), (589, 49556), (599, 49574), (608, 49598), (650, 49670), (736, 49847), (737, 49850), (739, 49856), (745, 49874), (753, 49889), (757, 49898), (759, 49901), (785, 49946),

Gene: Goose1X_33 Start: 25552, Stop: 24512, Start Num: 198
Candidate Starts for Goose1X_33:
(Start: 150 @25639 has 130 MA's), (198, 25552), (Start: 212 @25516 has 6 MA's), (230, 25471), (265, 25411), (313, 25315), (315, 25303), (317, 25297), (348, 25252), (405, 25198), (407, 25195), (417, 25171), (530, 24982), (551, 24964), (564, 24952), (587, 24913), (601, 24877), (603, 24871), (610, 24850), (616, 24835), (628, 24817), (716, 24679), (729, 24631), (737, 24601), (739, 24595), (743, 24583), (763, 24544),

Gene: Gorge_43 Start: 32137, Stop: 33255, Start Num: 156
Candidate Starts for Gorge_43:
(Start: 156 @32137 has 344 MA's), (223, 32275), (240, 32308), (265, 32356), (317, 32473), (340, 32509), (351, 32518), (418, 32623), (460, 32692), (491, 32752), (498, 32764), (500, 32767), (505, 32779), (513, 32794), (527, 32818), (536, 32824), (557, 32845), (585, 32881), (587, 32884), (601, 32920), (603, 32926), (607, 32938), (608, 32941), (671, 33025), (678, 33040), (715, 33082), (725, 33127), (728, 33136), (739, 33175), (745, 33193), (756, 33214), (763, 33229), (769, 33238), (770, 33241),

Gene: Gorpy_41 Start: 29001, Stop: 27862, Start Num: 156
Candidate Starts for Gorpy_41:
(Start: 156 @29001 has 344 MA's), (Start: 184 @28950 has 15 MA's), (270, 28782), (279, 28764), (351, 28632), (407, 28554), (412, 28542), (413, 28536), (457, 28467), (462, 28458), (493, 28398), (553, 28308), (608, 28203), (618, 28182), (635, 28155), (715, 28032), (721, 28008), (724, 27993), (747, 27918), (761, 27888),

Gene: GrandSlam_39 Start: 31803, Stop: 30532, Start Num: 148
Candidate Starts for GrandSlam_39:
(Start: 148 @31803 has 95 MA's), (Start: 156 @31788 has 344 MA's), (204, 31686), (226, 31644), (230, 31632), (269, 31557), (306, 31482), (310, 31473), (315, 31455), (374, 31356), (375, 31353), (416, 31263), (497, 31158), (554, 31062), (558, 31056), (639, 30894), (714, 30753), (725, 30708), (740, 30657), (743, 30648), (750, 30633), (759, 30621), (765, 30609), (791, 30570),

Gene: Gratitude_35 Start: 26757, Stop: 25678, Start Num: 184
Candidate Starts for Gratitude_35:
(Start: 144 @26811 has 10 MA's), (Start: 184 @26757 has 15 MA's), (Start: 212 @26688 has 6 MA's), (230, 26643), (313, 26487), (323, 26460), (348, 26424), (407, 26367), (480, 26244), (489, 26226), (551, 26136), (564, 26124), (601, 26049), (603, 26043), (610, 26022), (616, 26007), (628, 25989), (649, 25962), (654, 25953), (716, 25851), (729, 25803), (737, 25773), (739, 25767), (743, 25755), (763, 25716),

Gene: Gravaillia_29 Start: 26207, Stop: 25014, Start Num: 189
Candidate Starts for Gravaillia_29:
(Start: 166 @26249 has 2 MA's), (Start: 189 @26207 has 21 MA's), (213, 26141), (243, 26072), (249, 26060), (266, 26021), (275, 26006), (277, 26000), (282, 25988), (313, 25928), (345, 25871), (365, 25838), (367, 25835), (369, 25832), (418, 25718), (423, 25703), (434, 25679), (445, 25664), (449, 25649), (471, 25625), (477, 25613), (496, 25574), (497, 25571), (515, 25535), (556, 25487), (558, 25484), (601, 25412), (603, 25406), (607, 25394), (608, 25391), (610, 25385), (640, 25331), (653, 25310), (668, 25283), (678, 25265), (682, 25259), (713, 25214), (719, 25187), (721, 25181), (728,

25151), (735, 25124), (763, 25061),

Gene: Gravel_41 Start: 25089, Stop: 23905, Start Num: 148
Candidate Starts for Gravel_41:
(Start: 148 @25089 has 95 MA's), (261, 24870), (269, 24852), (325, 24735), (371, 24660), (566, 24330), (608, 24237), (612, 24225), (622, 24207), (712, 24090), (720, 24054),

Gene: Grif_36 Start: 26864, Stop: 25719, Start Num: 150
Candidate Starts for Grif_36:
(Start: 150 @26864 has 130 MA's), (Start: 175 @26825 has 11 MA's), (198, 26777), (Start: 212 @26741 has 6 MA's), (230, 26696), (313, 26540), (323, 26513), (348, 26477), (407, 26420), (455, 26342), (471, 26318), (489, 26279), (530, 26207), (547, 26195), (551, 26189), (564, 26177), (601, 26102), (603, 26096), (610, 26075), (616, 26060), (628, 26042), (647, 26018), (716, 25904), (728, 25859), (729, 25856), (732, 25847), (737, 25826), (739, 25820), (743, 25808), (763, 25769),

Gene: Groupthink_36 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Groupthink_36:
(Start: 102 @26706 has 2 MA's), (Start: 150 @26643 has 130 MA's), (Start: 184 @26589 has 15 MA's), (Start: 212 @26520 has 6 MA's), (317, 26301), (323, 26292), (348, 26256), (407, 26199), (455, 26121), (476, 26088), (530, 25986), (551, 25968), (564, 25956), (601, 25881), (603, 25875), (610, 25854), (616, 25839), (628, 25821), (647, 25797), (728, 25638), (729, 25635), (737, 25605), (739, 25599), (743, 25587), (763, 25548),

Gene: Grub_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for Grub_36:
(Start: 150 @26782 has 130 MA's), (Start: 175 @26743 has 11 MA's), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (323, 26431), (348, 26395), (407, 26338), (455, 26260), (471, 26236), (489, 26197), (530, 26125), (547, 26113), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (647, 25936), (716, 25822), (728, 25777), (729, 25774), (732, 25765), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Grum1_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for Grum1_36:
(Start: 150 @26789 has 130 MA's), (Start: 175 @26750 has 11 MA's), (198, 26702), (Start: 212 @26666 has 6 MA's), (230, 26621), (313, 26465), (323, 26438), (348, 26402), (407, 26345), (455, 26267), (471, 26243), (489, 26204), (530, 26132), (547, 26120), (551, 26114), (564, 26102), (601, 26027), (603, 26021), (610, 26000), (616, 25985), (628, 25967), (647, 25943), (716, 25829), (728, 25784), (729, 25781), (732, 25772), (737, 25751), (739, 25745), (743, 25733), (763, 25694),

Gene: Gsput1_28 Start: 24542, Stop: 23361, Start Num: 182
Candidate Starts for Gsput1_28:
(Start: 145 @24608 has 5 MA's), (Start: 155 @24593 has 15 MA's), (165, 24572), (Start: 182 @24542 has 2 MA's), (199, 24506), (201, 24497), (202, 24494), (210, 24470), (263, 24359), (412, 24110), (426, 24071), (482, 23969), (522, 23891), (543, 23867), (555, 23852), (579, 23813), (589, 23795), (595, 23786), (611, 23744), (629, 23717), (653, 23675), (715, 23570), (725, 23525), (728, 23516), (731, 23507), (737, 23483), (786, 23387),

Gene: GtownJaz_36 Start: 26791, Stop: 25646, Start Num: 150
Candidate Starts for GtownJaz_36:
(Start: 150 @26791 has 130 MA's), (Start: 175 @26752 has 11 MA's), (Start: 212 @26668 has 6 MA's), (230, 26623), (313, 26467), (323, 26440), (348, 26404), (407, 26347), (455, 26269), (471, 26245), (489, 26206), (530, 26134), (547, 26122), (551, 26116), (564, 26104), (601, 26029), (603, 26023), (610, 26002), (616, 25987), (628, 25969), (647, 25945), (716, 25831), (728, 25786), (729,

25783), (732, 25774), (737, 25753), (739, 25747), (743, 25735), (763, 25696),

Gene: Guanica15_44 Start: 32526, Stop: 33626, Start Num: 156
Candidate Starts for Guanica15_44:
(69, 32376), (Start: 156 @32526 has 344 MA's), (Start: 184 @32577 has 15 MA's), (221, 32652), (240, 32688), (241, 32691), (300, 32802), (436, 33021), (457, 33045), (458, 33048), (527, 33177), (551, 33198), (607, 33303), (671, 33390), (713, 33438),

Gene: GumGum_40 Start: 27604, Stop: 26465, Start Num: 156
Candidate Starts for GumGum_40:
(Start: 156 @27604 has 344 MA's), (317, 27283), (340, 27247), (352, 27235), (356, 27229), (412, 27136), (418, 27121), (457, 27061), (474, 27031), (505, 26968), (605, 26800), (612, 26779), (616, 26770), (678, 26674), (728, 26566), (732, 26554), (754, 26491),

Gene: Guppsters_43 Start: 32537, Stop: 33664, Start Num: 156
Candidate Starts for Guppsters_43:
(88, 32435), (123, 32492), (Start: 156 @32537 has 344 MA's), (Start: 162 @32546 has 1 MA's), (240, 32708), (263, 32759), (270, 32777), (289, 32822), (340, 32918), (351, 32927), (407, 33008), (418, 33032), (460, 33101), (491, 33161), (498, 33173), (500, 33176), (505, 33188), (513, 33203), (527, 33227), (536, 33233), (557, 33254), (585, 33290), (587, 33293), (601, 33329), (603, 33335), (608, 33350), (671, 33434), (678, 33449), (715, 33491), (725, 33536), (728, 33545), (739, 33584), (745, 33602), (756, 33623), (763, 33638), (769, 33647), (770, 33650),

Gene: Gwennie_36 Start: 26751, Stop: 25645, Start Num: 175
Candidate Starts for Gwennie_36:
(Start: 150 @26790 has 130 MA's), (Start: 175 @26751 has 11 MA's), (198, 26703), (Start: 212 @26667 has 6 MA's), (230, 26622), (313, 26466), (323, 26439), (348, 26403), (407, 26346), (455, 26268), (471, 26244), (489, 26205), (530, 26133), (547, 26121), (551, 26115), (564, 26103), (601, 26028), (603, 26022), (610, 26001), (616, 25986), (628, 25968), (647, 25944), (716, 25830), (728, 25785), (729, 25782), (732, 25773), (737, 25752), (739, 25746), (743, 25734), (763, 25695),

Gene: HH92_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for HH92_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: Hades_43 Start: 31946, Stop: 33073, Start Num: 156
Candidate Starts for Hades_43:
(88, 31844), (123, 31901), (Start: 156 @31946 has 344 MA's), (Start: 162 @31955 has 1 MA's), (240, 32117), (263, 32168), (270, 32186), (289, 32231), (340, 32327), (351, 32336), (407, 32417), (418, 32441), (460, 32510), (480, 32549), (491, 32570), (498, 32582), (500, 32585), (505, 32597), (513, 32612), (527, 32636), (536, 32642), (557, 32663), (585, 32699), (587, 32702), (601, 32738), (603, 32744), (607, 32756), (608, 32759), (614, 32774), (671, 32843), (678, 32858), (715, 32900), (725, 32945), (728, 32954), (732, 32966), (739, 32993), (745, 33011), (756, 33032), (763, 33047), (769, 33056), (770, 33059),

Gene: Hadrien_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Hadrien_29:

(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: Hail_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Hail_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: Haley23_37 Start: 27875, Stop: 28957, Start Num: 154
Candidate Starts for Haley23_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (559, 28553), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: Halley_83 Start: 53063, Stop: 54292, Start Num: 125
Candidate Starts for Halley_83:
(Start: 125 @53063 has 30 MA's), (Start: 136 @53081 has 1 MA's), (Start: 162 @53120 has 1 MA's), (269, 53357), (317, 53465), (400, 53585), (401, 53588), (405, 53597), (412, 53612), (426, 53651), (468, 53729), (526, 53834), (537, 53846), (550, 53849), (557, 53858), (588, 53909), (589, 53912), (599, 53930), (650, 54026), (695, 54083), (736, 54203), (737, 54206), (745, 54230), (757, 54254), (759, 54257),

Gene: HamCheese_36 Start: 23900, Stop: 22707, Start Num: 148
Candidate Starts for HamCheese_36:
(Start: 148 @23900 has 95 MA's), (371, 23471), (390, 23414), (404, 23390), (551, 23162), (612, 23036), (618, 23024), (632, 23003), (720, 22865), (743, 22784), (770, 22736),

Gene: Hamood_39 Start: 31803, Stop: 30532, Start Num: 148
Candidate Starts for Hamood_39:
(Start: 148 @31803 has 95 MA's), (Start: 156 @31788 has 344 MA's), (204, 31686), (226, 31644), (230, 31632), (269, 31557), (306, 31482), (310, 31473), (315, 31455), (374, 31356), (375, 31353), (416, 31263), (497, 31158), (554, 31062), (558, 31056), (639, 30894), (714, 30753), (725, 30708), (740, 30657), (743, 30648), (750, 30633), (759, 30621), (765, 30609), (791, 30570),

Gene: Hannaconda_75 Start: 47285, Stop: 48559, Start Num: 103
Candidate Starts for Hannaconda_75:
(81, 47228), (Start: 97 @47270 has 1 MA's), (Start: 103 @47285 has 10 MA's), (106, 47288), (Start: 136 @47333 has 1 MA's), (Start: 162 @47372 has 1 MA's), (338, 47753), (400, 47837), (405, 47849), (407, 47852), (468, 47981), (550, 48101), (589, 48164), (599, 48182), (608, 48206), (650, 48278), (736, 48455), (737, 48458), (739, 48464), (745, 48482), (753, 48497), (757, 48506), (759, 48509), (785, 48554),

Gene: HannahPhantana_37 Start: 24015, Stop: 22828, Start Num: 148

Candidate Starts for HannahPhantana_37:
(87, 24105), (Start: 148 @24015 has 95 MA's), (371, 23586), (612, 23151), (712, 23016),

Gene: HarryHoudini_36 Start: 26909, Stop: 25782, Start Num: 151
Candidate Starts for HarryHoudini_36:
(110, 26963), (Start: 151 @26909 has 2 MA's), (Start: 175 @26876 has 11 MA's), (Start: 190 @26846 has 8 MA's), (Start: 212 @26792 has 6 MA's), (230, 26747), (323, 26564), (348, 26528), (407, 26471), (455, 26393), (480, 26348), (489, 26330), (551, 26240), (564, 26228), (576, 26207), (601, 26153), (603, 26147), (610, 26126), (616, 26111), (628, 26093), (649, 26066), (716, 25955), (728, 25910), (729, 25907), (730, 25904), (737, 25877), (739, 25871), (743, 25859), (763, 25820),

Gene: HaveUMetTed_36 Start: 26636, Stop: 25491, Start Num: 150
Candidate Starts for HaveUMetTed_36:
(Start: 102 @26699 has 2 MA's), (Start: 150 @26636 has 130 MA's), (Start: 184 @26582 has 15 MA's), (Start: 212 @26513 has 6 MA's), (317, 26294), (323, 26285), (348, 26249), (407, 26192), (455, 26114), (476, 26081), (530, 25979), (551, 25961), (564, 25949), (601, 25874), (603, 25868), (610, 25847), (616, 25832), (628, 25814), (728, 25631), (729, 25628), (737, 25598), (739, 25592), (743, 25580), (763, 25541),

Gene: Heathen_33 Start: 26105, Stop: 24978, Start Num: 150
Candidate Starts for Heathen_33:
(Start: 150 @26105 has 130 MA's), (198, 26018), (Start: 212 @25982 has 6 MA's), (230, 25937), (313, 25781), (315, 25769), (317, 25763), (348, 25718), (405, 25664), (407, 25661), (417, 25637), (530, 25448), (551, 25430), (564, 25418), (587, 25379), (601, 25343), (603, 25337), (610, 25316), (616, 25301), (628, 25283), (716, 25145), (729, 25097), (737, 25067), (739, 25061), (743, 25049), (763, 25010),

Gene: HedwigODU_41 Start: 32479, Stop: 33567, Start Num: 156
Candidate Starts for HedwigODU_41:
(Start: 156 @32479 has 344 MA's), (Start: 184 @32530 has 15 MA's), (Start: 212 @32581 has 6 MA's), (221, 32605), (240, 32641), (313, 32779), (340, 32833), (412, 32917), (457, 32986), (458, 32989), (551, 33139), (597, 33217), (607, 33244), (671, 33331), (713, 33379),

Gene: Heffalump_35 Start: 27571, Stop: 26564, Start Num: 212
Candidate Starts for Heffalump_35:
(Start: 138 @27706 has 1 MA's), (Start: 212 @27571 has 6 MA's), (227, 27535), (230, 27526), (298, 27397), (348, 27307), (430, 27196), (455, 27172), (476, 27139), (480, 27127), (551, 27019), (554, 27016), (601, 26932), (603, 26926), (610, 26905), (616, 26890), (628, 26872), (729, 26686), (737, 26656), (739, 26650), (743, 26638), (763, 26599), (780, 26575),

Gene: Hegedechwinu_41 Start: 30918, Stop: 32036, Start Num: 156
Candidate Starts for Hegedechwinu_41:
(Start: 156 @30918 has 344 MA's), (223, 31056), (240, 31089), (265, 31137), (317, 31254), (340, 31290), (351, 31299), (418, 31404), (460, 31473), (480, 31512), (489, 31530), (491, 31533), (498, 31545), (500, 31548), (505, 31560), (513, 31575), (527, 31599), (536, 31605), (557, 31626), (585, 31662), (587, 31665), (601, 31701), (603, 31707), (607, 31719), (608, 31722), (614, 31737), (671, 31806), (678, 31821), (715, 31863), (725, 31908), (728, 31917), (739, 31956), (745, 31974), (756, 31995), (763, 32010), (769, 32019), (770, 32022),

Gene: HelDan_33 Start: 26357, Stop: 25230, Start Num: 150
Candidate Starts for HelDan_33:
(Start: 150 @26357 has 130 MA's), (198, 26270), (Start: 212 @26234 has 6 MA's), (230, 26189), (313, 26033), (315, 26021), (317, 26015), (348, 25970), (405, 25916), (407, 25913), (417, 25889), (530,

25700), (551, 25682), (564, 25670), (587, 25631), (601, 25595), (603, 25589), (610, 25568), (616, 25553), (628, 25535), (716, 25397), (729, 25349), (737, 25319), (739, 25313), (743, 25301), (763, 25262),

Gene: Heliosoles_35 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Heliosoles_35:
(Start: 102 @26706 has 2 MA's), (Start: 150 @26643 has 130 MA's), (Start: 184 @26589 has 15 MA's), (Start: 212 @26520 has 6 MA's), (317, 26301), (323, 26292), (348, 26256), (407, 26199), (455, 26121), (476, 26088), (530, 25986), (551, 25968), (564, 25956), (601, 25881), (603, 25875), (610, 25854), (616, 25839), (628, 25821), (647, 25797), (728, 25638), (729, 25635), (737, 25605), (739, 25599), (743, 25587), (763, 25548),

Gene: Hercules11_36 Start: 26798, Stop: 25653, Start Num: 150
Candidate Starts for Hercules11_36:
(Start: 150 @26798 has 130 MA's), (Start: 175 @26759 has 11 MA's), (198, 26711), (Start: 212 @26675 has 6 MA's), (230, 26630), (313, 26474), (323, 26447), (348, 26411), (407, 26354), (455, 26276), (471, 26252), (489, 26213), (530, 26141), (547, 26129), (551, 26123), (564, 26111), (601, 26036), (603, 26030), (610, 26009), (616, 25994), (628, 25976), (647, 25952), (716, 25838), (728, 25793), (729, 25790), (732, 25781), (737, 25760), (739, 25754), (743, 25742), (763, 25703),

Gene: Herod_39 Start: 31901, Stop: 33094, Start Num: 86
Candidate Starts for Herod_39:
(Start: 86 @31901 has 6 MA's), (Start: 154 @32012 has 64 MA's), (Start: 184 @32066 has 15 MA's), (245, 32186), (401, 32432), (405, 32441), (418, 32471), (458, 32531), (493, 32597), (505, 32621), (721, 32951), (727, 32978), (769, 33083),

Gene: Hestia_38 Start: 27099, Stop: 25888, Start Num: 158
Candidate Starts for Hestia_38:
(Start: 152 @27108 has 5 MA's), (Start: 158 @27099 has 2 MA's), (Start: 184 @27051 has 15 MA's), (219, 26958), (318, 26742), (381, 26661), (422, 26598), (440, 26562), (450, 26535), (604, 26247), (616, 26214), (637, 26193), (732, 26019), (737, 25998), (750, 25968), (774, 25929),

Gene: Hidrated_73 Start: 52219, Stop: 53448, Start Num: 125
Candidate Starts for Hidrated_73:
(Start: 125 @52219 has 30 MA's), (Start: 136 @52237 has 1 MA's), (Start: 162 @52276 has 1 MA's), (269, 52513), (317, 52621), (400, 52741), (401, 52744), (405, 52753), (412, 52768), (468, 52885), (537, 53002), (550, 53005), (557, 53014), (588, 53065), (589, 53068), (599, 53086), (650, 53182), (695, 53239), (736, 53359), (737, 53362), (745, 53386), (757, 53410), (759, 53413),

Gene: Hillester_40 Start: 27831, Stop: 26659, Start Num: 156
Candidate Starts for Hillester_40:
(Start: 156 @27831 has 344 MA's), (Start: 184 @27780 has 15 MA's), (236, 27666), (270, 27612), (279, 27594), (314, 27522), (332, 27480), (351, 27462), (407, 27384), (412, 27372), (457, 27297), (462, 27288), (493, 27228), (553, 27138), (608, 27033), (618, 27012), (632, 26988), (635, 26985), (680, 26916), (715, 26862), (721, 26838), (724, 26823), (770, 26703), (786, 26676),

Gene: HippoHollow_33 Start: 27726, Stop: 26545, Start Num: 135
Candidate Starts for HippoHollow_33:
(Start: 124 @27744 has 7 MA's), (Start: 135 @27726 has 6 MA's), (174, 27678), (Start: 190 @27645 has 8 MA's), (Start: 212 @27597 has 6 MA's), (230, 27552), (348, 27333), (430, 27222), (455, 27198), (480, 27153), (551, 27045), (564, 27033), (601, 26958), (603, 26952), (610, 26931), (616, 26916), (729, 26712), (737, 26682), (739, 26676), (743, 26664), (763, 26625), (799, 26553),

Gene: Hlubikazi_41 Start: 31787, Stop: 32905, Start Num: 156
Candidate Starts for Hlubikazi_41:
(Start: 156 @31787 has 344 MA's), (240, 31958), (317, 32123), (340, 32159), (351, 32168), (418, 32273), (460, 32342), (480, 32381), (491, 32402), (498, 32414), (500, 32417), (505, 32429), (527, 32468), (536, 32474), (557, 32495), (585, 32531), (587, 32534), (601, 32570), (603, 32576), (607, 32588), (608, 32591), (614, 32606), (671, 32675), (678, 32690), (698, 32708), (725, 32777), (728, 32786), (739, 32825), (745, 32843), (756, 32864), (763, 32879), (769, 32888), (770, 32891),

Gene: HokkenD_73 Start: 51332, Stop: 52561, Start Num: 125
Candidate Starts for HokkenD_73:
(Start: 125 @51332 has 30 MA's), (Start: 136 @51350 has 1 MA's), (Start: 162 @51389 has 1 MA's), (269, 51626), (317, 51734), (400, 51854), (401, 51857), (405, 51866), (412, 51881), (426, 51920), (468, 51998), (526, 52103), (537, 52115), (550, 52118), (557, 52127), (588, 52178), (589, 52181), (599, 52199), (650, 52295), (695, 52352), (736, 52472), (737, 52475), (745, 52499), (757, 52523), (759, 52526),

Gene: Holliday_48 Start: 32014, Stop: 33084, Start Num: 156
Candidate Starts for Holliday_48:
(139, 31993), (Start: 156 @32014 has 344 MA's), (Start: 184 @32065 has 15 MA's), (211, 32113), (237, 32170), (265, 32215), (412, 32449), (419, 32467), (480, 32566), (498, 32599), (500, 32602), (505, 32614), (611, 32782), (683, 32881), (691, 32890), (721, 32941), (727, 32968), (735, 32998), (737, 33004), (741, 33016), (769, 33073),

Gene: Homura_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Homura_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: Hortense_40 Start: 32549, Stop: 33676, Start Num: 156
Candidate Starts for Hortense_40:
(Start: 124 @32510 has 7 MA's), (Start: 156 @32549 has 344 MA's), (Start: 184 @32603 has 15 MA's), (237, 32726), (257, 32759), (302, 32849), (315, 32882), (457, 33077), (458, 33080), (480, 33122), (500, 33158), (688, 33455), (721, 33533), (727, 33560), (732, 33575), (739, 33602), (769, 33665),

Gene: Horus_48 Start: 33163, Stop: 34260, Start Num: 156
Candidate Starts for Horus_48:
(62, 32983), (74, 33022), (Start: 156 @33163 has 344 MA's), (Start: 184 @33214 has 15 MA's), (223, 33292), (237, 33319), (265, 33364), (280, 33397), (284, 33406), (405, 33583), (407, 33586), (462, 33679), (480, 33715), (498, 33748), (500, 33751), (505, 33763), (610, 33928), (632, 33958), (683, 34030), (715, 34066), (721, 34090), (727, 34117), (741, 34165), (745, 34177), (770, 34225),

Gene: Howe_40 Start: 32549, Stop: 33676, Start Num: 156
Candidate Starts for Howe_40:
(Start: 124 @32510 has 7 MA's), (Start: 156 @32549 has 344 MA's), (Start: 184 @32603 has 15 MA's), (237, 32726), (257, 32759), (302, 32849), (315, 32882), (457, 33077), (458, 33080), (480, 33122), (500, 33158), (688, 33455), (721, 33533), (727, 33560), (732, 33575), (739, 33602), (769, 33665),

Gene: Huffy_38 Start: 27370, Stop: 26255, Start Num: 187
Candidate Starts for Huffy_38:

(Start: 187 @27370 has 13 MA's), (358, 27031), (390, 26998), (541, 26704), (559, 26692), (652, 26512), (732, 26341), (739, 26314),

Gene: Hughesyang_81 Start: 53021, Stop: 54250, Start Num: 125
Candidate Starts for Hughesyang_81:
(Start: 125 @53021 has 30 MA's), (Start: 136 @53039 has 1 MA's), (Start: 162 @53078 has 1 MA's), (269, 53315), (317, 53423), (400, 53543), (401, 53546), (405, 53555), (412, 53570), (426, 53609), (468, 53687), (526, 53792), (537, 53804), (550, 53807), (557, 53816), (588, 53867), (589, 53870), (599, 53888), (650, 53984), (695, 54041), (736, 54161), (737, 54164), (745, 54188), (757, 54212), (759, 54215),

Gene: Hugley_36 Start: 32011, Stop: 33093, Start Num: 154
Candidate Starts for Hugley_36:
(Start: 86 @31900 has 6 MA's), (Start: 154 @32011 has 64 MA's), (Start: 184 @32065 has 15 MA's), (245, 32185), (401, 32431), (405, 32440), (418, 32470), (458, 32530), (493, 32596), (505, 32620), (721, 32950), (727, 32977), (769, 33082),

Gene: Hum25_34 Start: 25182, Stop: 24091, Start Num: 160
Candidate Starts for Hum25_34:
(Start: 145 @25206 has 5 MA's), (Start: 160 @25182 has 3 MA's), (248, 25011), (261, 24984), (284, 24945), (315, 24876), (325, 24855), (330, 24846), (370, 24789), (373, 24777), (374, 24774), (377, 24765), (379, 24753), (408, 24693), (411, 24684), (421, 24669), (489, 24603), (505, 24570), (520, 24543), (569, 24489), (581, 24468), (602, 24420), (603, 24417), (607, 24405), (610, 24396), (618, 24378), (620, 24375), (624, 24369), (639, 24357), (660, 24324), (712, 24270), (717, 24243), (737, 24171), (763, 24117),

Gene: Hyperbowlee_41 Start: 32792, Stop: 33880, Start Num: 156
Candidate Starts for Hyperbowlee_41:
(Start: 156 @32792 has 344 MA's), (Start: 212 @32894 has 6 MA's), (221, 32918), (240, 32954), (313, 33092), (412, 33230), (457, 33299), (458, 33302), (551, 33452), (607, 33557), (713, 33692),

Gene: Hyzer_43 Start: 33426, Stop: 34508, Start Num: 154
Candidate Starts for Hyzer_43:
(Start: 154 @33426 has 64 MA's), (Start: 184 @33480 has 15 MA's), (245, 33600), (405, 33855), (418, 33885), (458, 33945), (493, 34011), (505, 34035), (721, 34365), (741, 34440), (769, 34497),

Gene: IMpilo_40 Start: 31720, Stop: 32838, Start Num: 156
Candidate Starts for IMpilo_40:
(Start: 156 @31720 has 344 MA's), (Start: 162 @31729 has 1 MA's), (240, 31891), (317, 32056), (340, 32092), (351, 32101), (418, 32206), (460, 32275), (480, 32314), (491, 32335), (498, 32347), (500, 32350), (505, 32362), (513, 32377), (527, 32401), (536, 32407), (557, 32428), (585, 32464), (587, 32467), (601, 32503), (603, 32509), (607, 32521), (608, 32524), (614, 32539), (671, 32608), (678, 32623), (725, 32710), (728, 32719), (739, 32758), (745, 32776), (756, 32797), (763, 32812), (769, 32821), (770, 32824),

Gene: Idleandcovert_33 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for Idleandcovert_33:
(Start: 150 @26297 has 130 MA's), (198, 26210), (Start: 212 @26174 has 6 MA's), (230, 26129), (313, 25973), (315, 25961), (317, 25955), (348, 25910), (405, 25856), (407, 25853), (455, 25775), (551, 25622), (564, 25610), (587, 25571), (601, 25535), (603, 25529), (610, 25508), (616, 25493), (628, 25475), (649, 25448), (716, 25337), (729, 25289), (737, 25259), (739, 25253), (743, 25241), (763, 25202),

Gene: Illumine_44 Start: 33263, Stop: 34351, Start Num: 156
Candidate Starts for Illumine_44:
(Start: 156 @33263 has 344 MA's), (Start: 212 @33365 has 6 MA's), (221, 33389), (240, 33425), (270, 33476), (300, 33539), (313, 33563), (340, 33617), (347, 33620), (412, 33701), (457, 33770), (458, 33773), (551, 33923), (597, 34001), (607, 34028), (713, 34163),

Gene: InLimbo_35 Start: 26674, Stop: 27702, Start Num: 184
Candidate Starts for InLimbo_35:
(Start: 154 @26620 has 64 MA's), (Start: 184 @26674 has 15 MA's), (245, 26794), (405, 27049), (458, 27139), (493, 27205), (505, 27229), (721, 27559), (724, 27574), (727, 27586), (741, 27634), (769, 27691),

Gene: Inky_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Inky_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: Invectra_41 Start: 30570, Stop: 31697, Start Num: 156
Candidate Starts for Invectra_41:
(90, 30474), (129, 30537), (Start: 156 @30570 has 344 MA's), (Start: 184 @30624 has 15 MA's), (302, 30870), (315, 30903), (457, 31098), (458, 31101), (480, 31143), (500, 31179), (688, 31476), (721, 31554), (727, 31581), (732, 31596), (739, 31623), (769, 31686),

Gene: IrishSherpFalk_41 Start: 32488, Stop: 33606, Start Num: 156
Candidate Starts for IrishSherpFalk_41:
(Start: 156 @32488 has 344 MA's), (Start: 162 @32497 has 1 MA's), (240, 32659), (351, 32869), (407, 32950), (418, 32974), (460, 33043), (491, 33103), (498, 33115), (500, 33118), (505, 33130), (513, 33145), (527, 33169), (536, 33175), (557, 33196), (585, 33232), (587, 33235), (601, 33271), (603, 33277), (608, 33292), (671, 33376), (678, 33391), (715, 33433), (725, 33478), (728, 33487), (739, 33526), (745, 33544), (756, 33565), (763, 33580), (769, 33589), (770, 33592),

Gene: IronMan_36 Start: 28052, Stop: 26925, Start Num: 135
Candidate Starts for IronMan_36:
(Start: 124 @28070 has 7 MA's), (Start: 135 @28052 has 6 MA's), (Start: 212 @27923 has 6 MA's), (230, 27878), (323, 27695), (348, 27659), (407, 27602), (412, 27590), (489, 27461), (551, 27371), (564, 27359), (601, 27284), (610, 27257), (616, 27242), (628, 27224), (644, 27203), (716, 27086), (728, 27041), (729, 27038), (730, 27035), (737, 27008), (739, 27002), (743, 26990), (763, 26951),

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 130 MA's), (Start: 175 @26027 has 11 MA's), (198, 25979), (Start: 212 @25943 has 6 MA's), (230, 25898), (248, 25868), (298, 25769), (348, 25679), (430, 25568), (455, 25544), (480, 25499), (551, 25391), (564, 25379), (576, 25358), (601, 25304), (603, 25298), (610, 25277), (616, 25262), (628, 25244), (649, 25217), (716, 25106), (729, 25058), (730, 25055), (737, 25028), (739, 25022), (743, 25010), (753, 24989), (763, 24971),

Gene: Isolde_41 Start: 27878, Stop: 26739, Start Num: 156
Candidate Starts for Isolde_41:
(Start: 156 @27878 has 344 MA's), (Start: 184 @27827 has 15 MA's), (270, 27659), (279, 27641), (351, 27509), (407, 27431), (412, 27419), (457, 27344), (462, 27335), (493, 27275), (553, 27185), (608, 27080), (618, 27059), (635, 27032), (715, 26909), (721, 26885), (724, 26870), (761, 26765),

Gene: Iwokeuplikedis_34 Start: 26178, Stop: 25060, Start Num: 144
Candidate Starts for Iwokeuplikedis_34:
(Start: 144 @26178 has 10 MA's), (Start: 212 @26055 has 6 MA's), (230, 26010), (314, 25851), (323, 25827), (348, 25791), (407, 25734), (455, 25656), (480, 25611), (489, 25593), (551, 25503), (564, 25491), (601, 25416), (610, 25389), (616, 25374), (628, 25356), (649, 25329), (716, 25218), (728, 25173), (729, 25170), (730, 25167), (737, 25140), (739, 25134), (743, 25122), (763, 25083),

Gene: JAWS_41 Start: 32469, Stop: 33557, Start Num: 156
Candidate Starts for JAWS_41:
(Start: 156 @32469 has 344 MA's), (Start: 212 @32571 has 6 MA's), (221, 32595), (240, 32631), (313, 32769), (412, 32907), (457, 32976), (458, 32979), (551, 33129), (607, 33234), (671, 33321), (713, 33369),

Gene: JCole_37 Start: 29060, Stop: 27801, Start Num: 148
Candidate Starts for JCole_37:
(Start: 148 @29060 has 95 MA's), (310, 28730), (328, 28685), (371, 28625), (374, 28613), (390, 28568), (424, 28496), (558, 28328), (561, 28325), (607, 28232), (639, 28172), (708, 28055), (712, 28043), (717, 28016), (725, 27986), (743, 27926), (750, 27911), (759, 27899), (763, 27890), (786, 27851),

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 130 MA's), (Start: 212 @25693 has 6 MA's), (230, 25648), (270, 25576), (294, 25528), (317, 25474), (323, 25465), (348, 25429), (407, 25372), (551, 25141), (564, 25129), (576, 25108), (601, 25054), (603, 25048), (610, 25027), (616, 25012), (628, 24994), (649, 24967), (716, 24856), (729, 24808), (730, 24805), (737, 24778), (739, 24772), (743, 24760), (753, 24739), (763, 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 130 MA's), (Start: 212 @25693 has 6 MA's), (230, 25648), (270, 25576), (294, 25528), (317, 25474), (323, 25465), (348, 25429), (407, 25372), (551, 25141), (564, 25129), (576, 25108), (601, 25054), (603, 25048), (610, 25027), (616, 25012), (628, 24994), (649, 24967), (716, 24856), (729, 24808), (730, 24805), (737, 24778), (739, 24772), (743, 24760), (753, 24739), (763, 24721),

Gene: JHC117_36 Start: 26788, Stop: 25643, Start Num: 150
Candidate Starts for JHC117_36:
(Start: 150 @26788 has 130 MA's), (Start: 175 @26749 has 11 MA's), (198, 26701), (Start: 212 @26665 has 6 MA's), (230, 26620), (313, 26464), (323, 26437), (348, 26401), (407, 26344), (455, 26266), (471, 26242), (489, 26203), (530, 26131), (547, 26119), (551, 26113), (564, 26101), (601, 26026), (603, 26020), (610, 25999), (616, 25984), (628, 25966), (647, 25942), (716, 25828), (728, 25783), (729, 25780), (732, 25771), (737, 25750), (739, 25744), (743, 25732), (763, 25693),

Gene: Jaan_37 Start: 28459, Stop: 27326, Start Num: 140
Candidate Starts for Jaan_37:
(Start: 140 @28459 has 7 MA's), (Start: 212 @28324 has 6 MA's), (230, 28279), (234, 28273), (256, 28234), (313, 28123), (323, 28096), (348, 28060), (400, 28018), (405, 28006), (407, 28003), (471, 27901), (551, 27772), (564, 27760), (601, 27685), (603, 27679), (610, 27658), (616, 27643), (628, 27625), (662, 27574), (716, 27487), (729, 27439), (737, 27409), (739, 27403), (743, 27391), (763, 27352),

Gene: Jablanski_39 Start: 31311, Stop: 32393, Start Num: 154

Candidate Starts for Jablanski_39:
(Start: 86 @31200 has 6 MA's), (Start: 154 @31311 has 64 MA's), (Start: 184 @31365 has 15 MA's), (245, 31485), (418, 31770), (458, 31830), (493, 31896), (505, 31920), (721, 32250), (727, 32277), (769, 32382),

Gene: JakeTheSnake_41 Start: 28491, Stop: 27319, Start Num: 156
Candidate Starts for JakeTheSnake_41:
(143, 28509), (Start: 156 @28491 has 344 MA's), (214, 28374), (270, 28272), (279, 28254), (351, 28122), (400, 28059), (407, 28044), (412, 28032), (457, 27957), (462, 27948), (493, 27888), (553, 27798), (618, 27672), (632, 27648), (635, 27645), (715, 27522), (721, 27498), (724, 27483), (770, 27363), (786, 27336),

Gene: Jalleen_36 Start: 27514, Stop: 28596, Start Num: 154
Candidate Starts for Jalleen_36:
(Start: 85 @27397 has 2 MA's), (Start: 86 @27403 has 6 MA's), (Start: 154 @27514 has 64 MA's), (Start: 184 @27568 has 15 MA's), (245, 27688), (405, 27943), (418, 27973), (458, 28033), (493, 28099), (505, 28123), (585, 28228), (721, 28453), (727, 28480), (769, 28585),

Gene: James_43 Start: 32094, Stop: 33212, Start Num: 156
Candidate Starts for James_43:
(Start: 156 @32094 has 344 MA's), (223, 32232), (240, 32265), (265, 32313), (317, 32430), (340, 32466), (351, 32475), (418, 32580), (460, 32649), (491, 32709), (498, 32721), (500, 32724), (505, 32736), (513, 32751), (527, 32775), (536, 32781), (557, 32802), (585, 32838), (587, 32841), (601, 32877), (603, 32883), (607, 32895), (608, 32898), (671, 32982), (678, 32997), (715, 33039), (725, 33084), (728, 33093), (739, 33132), (745, 33150), (756, 33171), (763, 33186), (769, 33195), (770, 33198),

Gene: Jamun_33 Start: 24299, Stop: 23115, Start Num: 148
Candidate Starts for Jamun_33:
(Start: 148 @24299 has 95 MA's), (261, 24080), (265, 24071), (325, 23945), (375, 23855), (608, 23447), (612, 23435), (622, 23417), (717, 23273), (720, 23264),

Gene: Jant_44 Start: 33079, Stop: 33984, Start Num: 263
Candidate Starts for Jant_44:
(88, 32755), (123, 32812), (Start: 156 @32857 has 344 MA's), (Start: 162 @32866 has 1 MA's), (240, 33028), (263, 33079), (270, 33097), (289, 33142), (340, 33238), (351, 33247), (418, 33352), (460, 33421), (491, 33481), (498, 33493), (500, 33496), (505, 33508), (513, 33523), (527, 33547), (536, 33553), (557, 33574), (585, 33610), (587, 33613), (601, 33649), (603, 33655), (608, 33670), (671, 33754), (678, 33769), (698, 33787), (715, 33811), (725, 33856), (728, 33865), (739, 33904), (745, 33922), (756, 33943), (763, 33958), (769, 33967), (770, 33970),

Gene: Jarvi_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Jarvi_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: Jayhawk_42 Start: 32477, Stop: 33565, Start Num: 156
Candidate Starts for Jayhawk_42:
(Start: 156 @32477 has 344 MA's), (Start: 184 @32528 has 15 MA's), (Start: 212 @32579 has 6 MA's), (221, 32603), (240, 32639), (313, 32777), (340, 32831), (412, 32915), (457, 32984), (458, 32987), (551, 33137), (597, 33215), (607, 33242), (671, 33329), (713, 33377),

Gene: JeanClaude_32 Start: 23615, Stop: 22461, Start Num: 156
Candidate Starts for JeanClaude_32:
(109, 23678), (Start: 156 @23615 has 344 MA's), (Start: 184 @23564 has 15 MA's), (185, 23561), (195, 23537), (300, 23312), (317, 23267), (328, 23246), (330, 23243), (352, 23219), (412, 23120), (418, 23105), (471, 23024), (519, 22931), (572, 22862), (601, 22808), (609, 22784), (616, 22766), (635, 22739), (671, 22685), (678, 22670), (683, 22661), (724, 22577), (725, 22571), (728, 22562), (741, 22517), (754, 22487),

Gene: Jeckyll_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Jeckyll_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: JellyBread_36 Start: 26251, Stop: 25067, Start Num: 156
Candidate Starts for JellyBread_36:
(96, 26341), (107, 26320), (Start: 156 @26251 has 344 MA's), (Start: 184 @26200 has 15 MA's), (270, 26032), (279, 26014), (351, 25882), (401, 25816), (407, 25804), (412, 25792), (457, 25717), (462, 25708), (493, 25648), (553, 25558), (618, 25432), (632, 25408), (635, 25405), (715, 25282), (721, 25258), (724, 25243), (770, 25123),

Gene: JenCasNa_36 Start: 26750, Stop: 25644, Start Num: 175
Candidate Starts for JenCasNa_36:
(Start: 150 @26789 has 130 MA's), (Start: 175 @26750 has 11 MA's), (198, 26702), (Start: 212 @26666 has 6 MA's), (230, 26621), (313, 26465), (323, 26438), (348, 26402), (407, 26345), (455, 26267), (471, 26243), (489, 26204), (530, 26132), (547, 26120), (551, 26114), (564, 26102), (601, 26027), (603, 26021), (610, 26000), (616, 25985), (628, 25967), (647, 25943), (716, 25829), (728, 25784), (729, 25781), (732, 25772), (737, 25751), (739, 25745), (743, 25733), (763, 25694),

Gene: Jennelsea_37 Start: 28858, Stop: 29976, Start Num: 156
Candidate Starts for Jennelsea_37:
(Start: 156 @28858 has 344 MA's), (223, 28996), (240, 29029), (265, 29077), (317, 29194), (340, 29230), (351, 29239), (418, 29344), (460, 29413), (491, 29473), (498, 29485), (500, 29488), (505, 29500), (513, 29515), (527, 29539), (536, 29545), (557, 29566), (585, 29602), (587, 29605), (601, 29641), (603, 29647), (607, 29659), (608, 29662), (671, 29746), (678, 29761), (715, 29803), (725, 29848), (728, 29857), (739, 29896), (745, 29914), (756, 29935), (763, 29950), (769, 29959), (770, 29962),

Gene: JeppNRM_36 Start: 26642, Stop: 25497, Start Num: 150
Candidate Starts for JeppNRM_36:
(Start: 102 @26705 has 2 MA's), (Start: 150 @26642 has 130 MA's), (Start: 184 @26588 has 15 MA's), (Start: 212 @26519 has 6 MA's), (317, 26300), (323, 26291), (348, 26255), (407, 26198), (455, 26120), (471, 26096), (476, 26087), (530, 25985), (551, 25967), (564, 25955), (601, 25880), (603, 25874), (610, 25853), (616, 25838), (628, 25820), (647, 25796), (728, 25637), (729, 25634), (737, 25604), (739, 25598), (743, 25586), (763, 25547),

Gene: Jerm_35 Start: 26752, Stop: 25625, Start Num: 135
Candidate Starts for Jerm_35:
(Start: 124 @26770 has 7 MA's), (Start: 135 @26752 has 6 MA's), (Start: 190 @26668 has 8 MA's), (Start: 212 @26620 has 6 MA's), (230, 26575), (323, 26392), (348, 26356), (407, 26299), (412, 26287), (476, 26188), (480, 26176), (489, 26158), (551, 26068), (601, 25981), (603, 25975), (610, 25954), (616, 25939), (628, 25921), (649, 25894), (716, 25783), (729, 25735), (730, 25732), (737, 25705), (739, 25699), (743, 25687), (763, 25648),

Gene: Jerole_37 Start: 24138, Stop: 22951, Start Num: 148
Candidate Starts for Jerole_37:
(87, 24228), (Start: 148 @24138 has 95 MA's), (325, 23784), (371, 23709), (612, 23274), (712, 23139),

Gene: Jobu08_35 Start: 26620, Stop: 25475, Start Num: 150
Candidate Starts for Jobu08_35:
(Start: 150 @26620 has 130 MA's), (Start: 175 @26581 has 11 MA's), (198, 26533), (Start: 212 @26497 has 6 MA's), (230, 26452), (313, 26296), (323, 26269), (348, 26233), (407, 26176), (455, 26098), (471, 26074), (489, 26035), (530, 25963), (547, 25951), (551, 25945), (564, 25933), (601, 25858), (603, 25852), (610, 25831), (616, 25816), (628, 25798), (716, 25660), (728, 25615), (729, 25612), (732, 25603), (737, 25582), (739, 25576), (743, 25564), (763, 25525),

Gene: JonJames_97 Start: 58289, Stop: 59536, Start Num: 156
Candidate Starts for JonJames_97:
(84, 58163), (Start: 156 @58289 has 344 MA's), (233, 58454), (259, 58493), (283, 58544), (301, 58580), (312, 58598), (342, 58649), (362, 58685), (379, 58739), (388, 58760), (444, 58871), (454, 58895), (459, 58904), (467, 58919), (490, 58970), (545, 59054), (591, 59123), (639, 59231), (663, 59273), (712, 59324), (723, 59372), (728, 59393), (737, 59426), (744, 59447), (760, 59474), (779, 59507),

Gene: JoshKayV_35 Start: 26714, Stop: 25599, Start Num: 150
Candidate Starts for JoshKayV_35:
(Start: 150 @26714 has 130 MA's), (Start: 212 @26594 has 6 MA's), (230, 26549), (313, 26393), (323, 26366), (348, 26330), (407, 26273), (412, 26261), (455, 26195), (489, 26132), (551, 26042), (601, 25955), (603, 25949), (610, 25928), (616, 25913), (628, 25895), (662, 25844), (716, 25757), (729, 25709), (737, 25679), (739, 25673), (743, 25661), (763, 25622),

Gene: Journey13_31 Start: 25582, Stop: 24464, Start Num: 150
Candidate Starts for Journey13_31:
(67, 25732), (Start: 105 @25642 has 3 MA's), (Start: 150 @25582 has 130 MA's), (Start: 184 @25528 has 15 MA's), (Start: 212 @25459 has 6 MA's), (218, 25441), (260, 25366), (263, 25360), (313, 25258), (315, 25246), (348, 25195), (407, 25138), (418, 25111), (513, 24952), (551, 24907), (564, 24895), (601, 24820), (603, 24814), (610, 24793), (616, 24778), (628, 24760), (649, 24733), (716, 24622), (729, 24574), (730, 24571), (737, 24544), (739, 24538), (743, 24526), (763, 24487),

Gene: Joy99_41 Start: 32524, Stop: 33612, Start Num: 156
Candidate Starts for Joy99_41:
(16, 31921), (24, 32098), (43, 32263), (52, 32302), (Start: 156 @32524 has 344 MA's), (Start: 184 @32575 has 15 MA's), (Start: 212 @32626 has 6 MA's), (221, 32650), (240, 32686), (245, 32695), (313, 32824), (412, 32962), (457, 33031), (458, 33034), (551, 33184), (607, 33289), (713, 33424),

Gene: Jsquared_34 Start: 25672, Stop: 24548, Start Num: 150
Candidate Starts for Jsquared_34:
(Start: 150 @25672 has 130 MA's), (194, 25594), (Start: 212 @25549 has 6 MA's), (230, 25504), (265, 25444), (323, 25321), (348, 25285), (405, 25231), (407, 25228), (455, 25150), (480, 25105), (481, 25102), (489, 25087), (505, 25057), (547, 25003), (551, 24997), (576, 24964), (601, 24910), (610, 24883), (616, 24868), (628, 24850), (649, 24823), (716, 24712), (729, 24664), (730, 24661), (732, 24655), (737, 24634), (739, 24628), (743, 24616), (763, 24577),

Gene: Judy_39 Start: 26980, Stop: 28122, Start Num: 156
Candidate Starts for Judy_39:

(Start: 156 @26980 has 344 MA's), (337, 27334), (340, 27340), (354, 27355), (391, 27409), (418, 27466), (457, 27526), (458, 27529), (474, 27556), (505, 27619), (587, 27739), (605, 27787), (678, 27913), (686, 27925), (728, 28021), (754, 28096),

Gene: Juice456_44 Start: 33520, Stop: 34638, Start Num: 156
Candidate Starts for Juice456_44:
(Start: 156 @33520 has 344 MA's), (223, 33658), (240, 33691), (265, 33739), (317, 33856), (340, 33892), (351, 33901), (418, 34006), (460, 34075), (480, 34114), (489, 34132), (491, 34135), (498, 34147), (500, 34150), (505, 34162), (513, 34177), (527, 34201), (536, 34207), (557, 34228), (585, 34264), (587, 34267), (601, 34303), (603, 34309), (607, 34321), (608, 34324), (614, 34339), (671, 34408), (678, 34423), (715, 34465), (725, 34510), (728, 34519), (739, 34558), (745, 34576), (756, 34597), (763, 34612), (769, 34621), (770, 34624),

Gene: Juicebox_26 Start: 25055, Stop: 23880, Start Num: 176
Candidate Starts for Juicebox_26:
(Start: 176 @25055 has 3 MA's), (196, 25028), (244, 24917), (281, 24833), (311, 24773), (319, 24749), (390, 24671), (401, 24650), (405, 24641), (447, 24545), (461, 24518), (480, 24485), (510, 24428), (516, 24419), (520, 24410), (525, 24401), (527, 24398), (531, 24392), (540, 24380), (586, 24314), (609, 24266), (623, 24242), (649, 24200), (651, 24197), (652, 24194), (668, 24173), (702, 24125), (715, 24092), (724, 24053), (728, 24038), (737, 24005), (780, 23921), (793, 23897),

Gene: JuicyJay_79 Start: 54197, Stop: 55426, Start Num: 125
Candidate Starts for JuicyJay_79:
(Start: 125 @54197 has 30 MA's), (Start: 136 @54215 has 1 MA's), (Start: 162 @54254 has 1 MA's), (269, 54491), (317, 54599), (400, 54719), (401, 54722), (405, 54731), (412, 54746), (426, 54785), (468, 54863), (526, 54968), (537, 54980), (550, 54983), (557, 54992), (588, 55043), (589, 55046), (599, 55064), (650, 55160), (695, 55217), (736, 55337), (737, 55340), (745, 55364), (757, 55388), (759, 55391),

Gene: Juniper1_40 Start: 31679, Stop: 32797, Start Num: 156
Candidate Starts for Juniper1_40:
(Start: 156 @31679 has 344 MA's), (240, 31850), (265, 31898), (340, 32051), (351, 32060), (407, 32141), (460, 32234), (491, 32294), (498, 32306), (500, 32309), (513, 32336), (527, 32360), (557, 32387), (585, 32423), (587, 32426), (601, 32462), (614, 32498), (671, 32567), (678, 32582), (698, 32600), (725, 32669), (728, 32678), (739, 32717), (745, 32735), (763, 32771), (769, 32780), (770, 32783),

Gene: Juno112_35 Start: 23916, Stop: 22723, Start Num: 148
Candidate Starts for Juno112_35:
(Start: 148 @23916 has 95 MA's), (371, 23487), (390, 23430), (404, 23406), (551, 23178), (612, 23052), (618, 23040), (632, 23019), (720, 22881), (743, 22800), (770, 22752),

Gene: KHumphrey_36 Start: 23915, Stop: 22722, Start Num: 148
Candidate Starts for KHumphrey_36:
(Start: 148 @23915 has 95 MA's), (371, 23486), (390, 23429), (404, 23405), (551, 23177), (612, 23051), (618, 23039), (632, 23018), (720, 22880), (743, 22799), (770, 22751),

Gene: Kabloowy_40 Start: 27949, Stop: 26810, Start Num: 156
Candidate Starts for Kabloowy_40:
(Start: 156 @27949 has 344 MA's), (Start: 184 @27898 has 15 MA's), (270, 27730), (279, 27712), (317, 27625), (351, 27580), (407, 27502), (457, 27415), (462, 27406), (553, 27256), (608, 27151), (618, 27130), (635, 27103), (715, 26980), (721, 26956), (724, 26941), (747, 26866), (761, 26836),

Gene: Kachowdy_33 Start: 26357, Stop: 25230, Start Num: 150
Candidate Starts for Kachowdy_33:
(Start: 150 @26357 has 130 MA's), (198, 26270), (Start: 212 @26234 has 6 MA's), (230, 26189), (313, 26033), (315, 26021), (317, 26015), (348, 25970), (405, 25916), (407, 25913), (417, 25889), (530, 25700), (551, 25682), (564, 25670), (587, 25631), (601, 25595), (603, 25589), (610, 25568), (616, 25553), (628, 25535), (716, 25397), (729, 25349), (737, 25319), (739, 25313), (743, 25301), (763, 25262),

Gene: Kalah2_76 Start: 52356, Stop: 53585, Start Num: 125
Candidate Starts for Kalah2_76:
(Start: 125 @52356 has 30 MA's), (Start: 136 @52374 has 1 MA's), (Start: 162 @52413 has 1 MA's), (269, 52650), (317, 52758), (400, 52878), (401, 52881), (405, 52890), (412, 52905), (426, 52944), (468, 53022), (526, 53127), (537, 53139), (550, 53142), (557, 53151), (588, 53202), (589, 53205), (599, 53223), (650, 53319), (695, 53376), (736, 53496), (737, 53499), (745, 53523), (757, 53547), (759, 53550),

Gene: Kalb97_36 Start: 26642, Stop: 25497, Start Num: 150
Candidate Starts for Kalb97_36:
(Start: 102 @26705 has 2 MA's), (Start: 150 @26642 has 130 MA's), (Start: 184 @26588 has 15 MA's), (Start: 212 @26519 has 6 MA's), (317, 26300), (323, 26291), (348, 26255), (407, 26198), (455, 26120), (476, 26087), (530, 25985), (551, 25967), (564, 25955), (601, 25880), (603, 25874), (610, 25853), (616, 25838), (628, 25820), (647, 25796), (728, 25637), (729, 25634), (737, 25604), (739, 25598), (743, 25586), (763, 25547),

Gene: Kalnoky_36 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Kalnoky_36:
(Start: 102 @26706 has 2 MA's), (Start: 150 @26643 has 130 MA's), (Start: 184 @26589 has 15 MA's), (Start: 212 @26520 has 6 MA's), (317, 26301), (323, 26292), (348, 26256), (407, 26199), (455, 26121), (476, 26088), (530, 25986), (551, 25968), (564, 25956), (601, 25881), (603, 25875), (610, 25854), (616, 25839), (628, 25821), (647, 25797), (728, 25638), (729, 25635), (737, 25605), (739, 25599), (743, 25587), (763, 25548),

Gene: Kalpine_35 Start: 27525, Stop: 26410, Start Num: 152
Candidate Starts for Kalpine_35:
(Start: 152 @27525 has 5 MA's), (Start: 212 @27405 has 6 MA's), (230, 27360), (270, 27288), (317, 27186), (323, 27177), (348, 27141), (401, 27096), (405, 27087), (407, 27084), (476, 26973), (480, 26961), (551, 26853), (564, 26841), (593, 26784), (601, 26766), (603, 26760), (610, 26739), (616, 26724), (628, 26706), (649, 26679), (716, 26568), (729, 26520), (737, 26490), (739, 26484), (743, 26472), (763, 26433),

Gene: Kamaru_44 Start: 31555, Stop: 32652, Start Num: 156
Candidate Starts for Kamaru_44:
(29, 31219), (47, 31315), (112, 31498), (Start: 156 @31555 has 344 MA's), (Start: 184 @31606 has 15 MA's), (219, 31678), (223, 31684), (237, 31711), (265, 31756), (284, 31798), (340, 31906), (405, 31975), (412, 31990), (458, 32065), (480, 32107), (498, 32140), (500, 32143), (505, 32155), (587, 32257), (632, 32350), (683, 32422), (715, 32458), (721, 32482), (727, 32509), (741, 32557), (770, 32617),

Gene: Kampy_33 Start: 26181, Stop: 25129, Start Num: 190
Candidate Starts for Kampy_33:
(Start: 105 @26295 has 3 MA's), (Start: 124 @26268 has 7 MA's), (Start: 150 @26250 has 130 MA's), (Start: 190 @26181 has 8 MA's), (Start: 212 @26127 has 6 MA's), (317, 25908), (323, 25899), (348, 25863), (400, 25821), (405, 25809), (407, 25806), (455, 25728), (530, 25593), (551, 25575), (601,

25488), (603, 25482), (610, 25461), (616, 25446), (628, 25428), (716, 25290), (729, 25242), (737, 25212), (739, 25206), (743, 25194), (763, 25155),

Gene: KashFlow_76 Start: 48091, Stop: 49320, Start Num: 125
Candidate Starts for KashFlow_76:
(Start: 125 @48091 has 30 MA's), (Start: 136 @48109 has 1 MA's), (Start: 162 @48148 has 1 MA's), (269, 48385), (317, 48493), (400, 48613), (401, 48616), (405, 48625), (412, 48640), (426, 48679), (468, 48757), (537, 48874), (550, 48877), (557, 48886), (588, 48937), (589, 48940), (599, 48958), (650, 49054), (695, 49111), (736, 49231), (737, 49234), (745, 49258), (757, 49282), (759, 49285),

Gene: KayMoney_38 Start: 26157, Stop: 27299, Start Num: 156
Candidate Starts for KayMoney_38:
(Start: 151 @26148 has 2 MA's), (Start: 156 @26157 has 344 MA's), (340, 26517), (356, 26535), (418, 26643), (457, 26703), (505, 26796), (587, 26916), (605, 26964), (616, 26994), (678, 27090), (728, 27198), (754, 27273),

Gene: KendraB23_42 Start: 25277, Stop: 24093, Start Num: 148
Candidate Starts for KendraB23_42:
(Start: 148 @25277 has 95 MA's), (261, 25058), (269, 25040), (325, 24923), (371, 24848), (372, 24845), (566, 24518), (608, 24425), (612, 24413), (622, 24395), (712, 24278), (720, 24242),

Gene: Kenna_49 Start: 32526, Stop: 33596, Start Num: 156
Candidate Starts for Kenna_49:
(Start: 156 @32526 has 344 MA's), (Start: 184 @32577 has 15 MA's), (223, 32655), (237, 32682), (340, 32877), (351, 32886), (401, 32937), (405, 32946), (407, 32949), (412, 32961), (433, 33006), (462, 33042), (480, 33078), (498, 33111), (500, 33114), (505, 33126), (611, 33294), (683, 33393), (721, 33453), (727, 33480), (728, 33483), (735, 33510), (737, 33516), (741, 33528), (769, 33585),

Gene: Kenuha5_39 Start: 31177, Stop: 32295, Start Num: 156
Candidate Starts for Kenuha5_39:
(Start: 156 @31177 has 344 MA's), (240, 31348), (317, 31513), (340, 31549), (351, 31558), (418, 31663), (460, 31732), (480, 31771), (491, 31792), (498, 31804), (500, 31807), (505, 31819), (513, 31834), (527, 31858), (536, 31864), (557, 31885), (585, 31921), (587, 31924), (601, 31960), (603, 31966), (608, 31981), (614, 31996), (671, 32065), (678, 32080), (715, 32122), (725, 32167), (728, 32176), (739, 32215), (745, 32233), (756, 32254), (763, 32269), (769, 32278), (770, 32281),

Gene: Kepler_38 Start: 24761, Stop: 23574, Start Num: 148
Candidate Starts for Kepler_38:
(87, 24851), (Start: 148 @24761 has 95 MA's), (325, 24407), (371, 24332), (612, 23897), (712, 23762), (761, 23612),

Gene: Kerberos_37 Start: 26420, Stop: 25350, Start Num: 184
Candidate Starts for Kerberos_37:
(Start: 150 @26474 has 130 MA's), (Start: 184 @26420 has 15 MA's), (Start: 212 @26351 has 6 MA's), (313, 26150), (323, 26123), (348, 26087), (407, 26030), (418, 26003), (455, 25952), (476, 25919), (480, 25907), (489, 25889), (530, 25817), (551, 25799), (564, 25787), (587, 25748), (601, 25712), (603, 25706), (610, 25685), (616, 25670), (628, 25652), (649, 25625), (716, 25514), (729, 25466), (730, 25463), (737, 25436), (739, 25430), (743, 25418), (763, 25379),

Gene: Khuang_45 Start: 28583, Stop: 27426, Start Num: 145
Candidate Starts for Khuang_45:
(Start: 145 @28583 has 5 MA's), (173, 28532), (186, 28508), (242, 28388), (261, 28349), (269, 28331), (271, 28325), (277, 28316), (310, 28259), (364, 28160), (374, 28136), (377, 28127), (416, 28037),

(418, 28031), (421, 28022), (509, 27905), (568, 27836), (602, 27767), (618, 27725), (631, 27707), (639, 27704), (654, 27680), (672, 27650), (712, 27599), (726, 27539), (727, 27536), (763, 27446),

Gene: KiSi_45 Start: 33691, Stop: 34776, Start Num: 156
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), (17, 33088), (19, 33106), (22, 33184), (30, 33355), (44, 33430), (52, 33469), (66, 33523), (Start: 156 @33691 has 344 MA's), (225, 33826), (240, 33853), (313, 33991), (330, 34033), (340, 34045), (412, 34129), (457, 34198), (458, 34201), (480, 34243), (551, 34351), (607, 34456), (671, 34543), (713, 34591), (741, 34699), (763, 34747),

Gene: Kimona_30 Start: 24408, Stop: 23293, Start Num: 150
Candidate Starts for Kimona_30:
(Start: 118 @24435 has 1 MA's), (Start: 124 @24426 has 7 MA's), (Start: 150 @24408 has 130 MA's), (194, 24330), (Start: 212 @24285 has 6 MA's), (317, 24066), (323, 24057), (348, 24021), (405, 23967), (407, 23964), (455, 23886), (551, 23733), (554, 23730), (601, 23646), (610, 23619), (616, 23604), (628, 23586), (649, 23559), (716, 23448), (729, 23400), (737, 23370), (739, 23364), (743, 23352), (753, 23331), (763, 23313),

Gene: Kinbote_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Kinbote_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: KingCyrus_36 Start: 28129, Stop: 27002, Start Num: 135
Candidate Starts for KingCyrus_36:
(Start: 124 @28147 has 7 MA's), (Start: 135 @28129 has 6 MA's), (Start: 190 @28048 has 8 MA's), (Start: 212 @28000 has 6 MA's), (230, 27955), (313, 27799), (323, 27772), (348, 27736), (407, 27679), (412, 27667), (455, 27601), (476, 27568), (480, 27556), (489, 27538), (551, 27448), (564, 27436), (601, 27361), (603, 27355), (610, 27334), (616, 27319), (628, 27301), (647, 27277), (649, 27274), (654, 27265), (716, 27163), (729, 27115), (730, 27112), (737, 27085), (739, 27079), (743, 27067), (763, 27028),

Gene: KingJulian_42 Start: 32428, Stop: 33546, Start Num: 156
Candidate Starts for KingJulian_42:
(Start: 156 @32428 has 344 MA's), (Start: 162 @32437 has 1 MA's), (240, 32599), (317, 32764), (340, 32800), (351, 32809), (418, 32914), (460, 32983), (480, 33022), (489, 33040), (491, 33043), (498, 33055), (500, 33058), (505, 33070), (513, 33085), (527, 33109), (536, 33115), (557, 33136), (585, 33172), (587, 33175), (601, 33211), (603, 33217), (608, 33232), (614, 33247), (671, 33316), (678, 33331), (715, 33373), (725, 33418), (728, 33427), (732, 33439), (739, 33466), (745, 33484), (756, 33505), (763, 33520), (769, 33529), (770, 33532),

Gene: Kingsley_38 Start: 30711, Stop: 31829, Start Num: 156
Candidate Starts for Kingsley_38:
(Start: 156 @30711 has 344 MA's), (240, 30882), (317, 31047), (340, 31083), (351, 31092), (407, 31173), (418, 31197), (460, 31266), (480, 31305), (489, 31323), (491, 31326), (498, 31338), (500, 31341), (505, 31353), (513, 31368), (527, 31392), (536, 31398), (557, 31419), (585, 31455), (587, 31458), (601, 31494), (603, 31500), (607, 31512), (608, 31515), (614, 31530), (671, 31599), (678,

31614), (715, 31656), (725, 31701), (728, 31710), (739, 31749), (745, 31767), (756, 31788), (763, 31803), (769, 31812), (770, 31815),

Gene: Kita_40 Start: 30461, Stop: 31654, Start Num: 86
Candidate Starts for Kita_40:
(Start: 86 @30461 has 6 MA's), (Start: 154 @30572 has 64 MA's), (Start: 184 @30626 has 15 MA's), (245, 30746), (405, 31001), (418, 31031), (458, 31091), (493, 31157), (505, 31181), (721, 31511), (727, 31538), (769, 31643),

Gene: Klein_81 Start: 51782, Stop: 53011, Start Num: 125
Candidate Starts for Klein_81:
(Start: 125 @51782 has 30 MA's), (Start: 136 @51800 has 1 MA's), (Start: 162 @51839 has 1 MA's), (269, 52076), (317, 52184), (400, 52304), (401, 52307), (405, 52316), (412, 52331), (426, 52370), (468, 52448), (526, 52553), (537, 52565), (550, 52568), (557, 52577), (588, 52628), (589, 52631), (599, 52649), (650, 52745), (695, 52802), (736, 52922), (737, 52925), (745, 52949), (757, 52973), (759, 52976),

Gene: Koduck_34 Start: 25409, Stop: 24294, Start Num: 154
Candidate Starts for Koduck_34:
(Start: 154 @25409 has 64 MA's), (198, 25328), (Start: 212 @25292 has 6 MA's), (230, 25247), (278, 25160), (313, 25091), (315, 25079), (323, 25064), (330, 25049), (348, 25028), (405, 24974), (407, 24971), (530, 24758), (547, 24746), (551, 24740), (564, 24728), (576, 24707), (601, 24653), (610, 24626), (616, 24611), (628, 24593), (649, 24566), (729, 24407), (737, 24377), (739, 24371), (743, 24359), (763, 24320),

Gene: KristaRAM_43 Start: 33503, Stop: 34630, Start Num: 156
Candidate Starts for KristaRAM_43:
(88, 33401), (123, 33458), (Start: 156 @33503 has 344 MA's), (Start: 162 @33512 has 1 MA's), (240, 33674), (263, 33725), (270, 33743), (289, 33788), (340, 33884), (351, 33893), (407, 33974), (418, 33998), (460, 34067), (480, 34106), (491, 34127), (498, 34139), (500, 34142), (505, 34154), (513, 34169), (527, 34193), (536, 34199), (557, 34220), (585, 34256), (587, 34259), (601, 34295), (603, 34301), (607, 34313), (608, 34316), (614, 34331), (671, 34400), (678, 34415), (715, 34457), (725, 34502), (728, 34511), (739, 34550), (745, 34568), (756, 34589), (763, 34604), (769, 34613), (770, 34616),

Gene: Kudefre_6 Start: 2520, Stop: 1432, Start Num: 183
Candidate Starts for Kudefre_6:
(122, 2625), (172, 2541), (Start: 183 @2520 has 4 MA's), (264, 2349), (308, 2259), (315, 2235), (484, 1983), (507, 1950), (533, 1908), (544, 1893), (559, 1872), (567, 1863), (569, 1857), (609, 1773), (617, 1758), (672, 1671), (692, 1638), (727, 1545), (736, 1512), (739, 1503), (741, 1497),

Gene: Kukla_36 Start: 28255, Stop: 27116, Start Num: 164
Candidate Starts for Kukla_36:
(Start: 164 @28255 has 4 MA's), (198, 28189), (228, 28114), (238, 28093), (263, 28048), (302, 27964), (327, 27907), (336, 27889), (390, 27853), (405, 27823), (412, 27808), (417, 27796), (424, 27775), (457, 27739), (458, 27736), (471, 27715), (491, 27673), (493, 27670), (505, 27646), (551, 27589), (609, 27481), (646, 27430), (694, 27358), (724, 27289), (726, 27280), (784, 27148), (788, 27142),

Gene: Kuleana_37 Start: 24189, Stop: 23008, Start Num: 148
Candidate Starts for Kuleana_37:
(Start: 148 @24189 has 95 MA's), (317, 23850), (612, 23325),

Gene: Kumotta_30 Start: 23663, Stop: 24967, Start Num: 152

Candidate Starts for Kumotta_30:
(Start: 152 @23663 has 5 MA's), (Start: 184 @23720 has 15 MA's), (Start: 215 @23807 has 1 MA's), (219, 23816), (230, 23837), (278, 23939), (305, 23993), (308, 23999), (325, 24044), (329, 24053), (355, 24092), (459, 24338), (604, 24611), (639, 24668), (712, 24764), (717, 24791), (730, 24839), (737, 24866), (750, 24896), (758, 24911), (764, 24923),

Gene: L5_33 Start: 25369, Stop: 24254, Start Num: 154
Candidate Starts for L5_33:
(Start: 154 @25369 has 64 MA's), (198, 25288), (Start: 212 @25252 has 6 MA's), (230, 25207), (278, 25120), (313, 25051), (315, 25039), (323, 25024), (330, 25009), (348, 24988), (405, 24934), (407, 24931), (530, 24718), (547, 24706), (551, 24700), (564, 24688), (576, 24667), (601, 24613), (610, 24586), (616, 24571), (628, 24553), (649, 24526), (729, 24367), (737, 24337), (739, 24331), (743, 24319), (763, 24280),

Gene: LBerry_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for LBerry_36:
(Start: 150 @26790 has 130 MA's), (Start: 175 @26751 has 11 MA's), (198, 26703), (Start: 212 @26667 has 6 MA's), (230, 26622), (313, 26466), (323, 26439), (348, 26403), (407, 26346), (455, 26268), (471, 26244), (489, 26205), (530, 26133), (547, 26121), (551, 26115), (564, 26103), (601, 26028), (603, 26022), (610, 26001), (616, 25986), (628, 25968), (647, 25944), (716, 25830), (728, 25785), (729, 25782), (732, 25773), (737, 25752), (739, 25746), (743, 25734), (763, 25695),

Gene: LHTSCC_34 Start: 26518, Stop: 25466, Start Num: 190
Candidate Starts for LHTSCC_34:
(Start: 124 @26605 has 7 MA's), (Start: 150 @26587 has 130 MA's), (Start: 190 @26518 has 8 MA's), (Start: 212 @26464 has 6 MA's), (317, 26245), (323, 26236), (348, 26200), (400, 26158), (405, 26146), (407, 26143), (530, 25930), (551, 25912), (601, 25825), (603, 25819), (610, 25798), (616, 25783), (628, 25765), (716, 25627), (729, 25579), (737, 25549), (739, 25543), (743, 25531), (763, 25492),

Gene: Lamberg_33 Start: 26384, Stop: 27466, Start Num: 154
Candidate Starts for Lamberg_33:
(Start: 85 @26267 has 2 MA's), (Start: 86 @26273 has 6 MA's), (Start: 154 @26384 has 64 MA's), (Start: 184 @26438 has 15 MA's), (245, 26558), (405, 26813), (418, 26843), (458, 26903), (493, 26969), (505, 26993), (559, 27062), (585, 27098), (721, 27323), (727, 27350), (769, 27455),

Gene: Landor_35 Start: 28009, Stop: 26867, Start Num: 138
Candidate Starts for Landor_35:
(Start: 138 @28009 has 1 MA's), (Start: 212 @27874 has 6 MA's), (230, 27829), (234, 27823), (256, 27784), (298, 27700), (315, 27661), (348, 27610), (430, 27499), (476, 27442), (480, 27430), (505, 27382), (551, 27322), (554, 27319), (601, 27235), (603, 27229), (610, 27208), (616, 27193), (628, 27175), (729, 26989), (737, 26959), (739, 26953), (743, 26941), (763, 26902), (780, 26878),

Gene: Laphuphu24k_34 Start: 23900, Stop: 22707, Start Num: 148
Candidate Starts for Laphuphu24k_34:
(Start: 148 @23900 has 95 MA's), (371, 23471), (390, 23414), (404, 23390), (551, 23162), (612, 23036), (618, 23024), (632, 23003), (720, 22865), (743, 22784), (770, 22736),

Gene: Larenn_35 Start: 26836, Stop: 25694, Start Num: 124
Candidate Starts for Larenn_35:
(Start: 124 @26836 has 7 MA's), (Start: 135 @26818 has 6 MA's), (Start: 212 @26689 has 6 MA's), (230, 26644), (317, 26470), (323, 26461), (348, 26425), (407, 26368), (455, 26290), (476, 26257), (480, 26245), (489, 26227), (551, 26137), (564, 26125), (601, 26050), (603, 26044), (610, 26023), (616, 26008), (628, 25990), (649, 25963), (716, 25852), (729, 25804), (730, 25801), (737, 25774),

(739, 25768), (743, 25756), (763, 25717),

Gene: Lasker_39 Start: 27772, Stop: 26633, Start Num: 156
Candidate Starts for Lasker_39:
(Start: 145 @27787 has 5 MA's), (Start: 156 @27772 has 344 MA's), (Start: 184 @27721 has 15 MA's), (270, 27553), (279, 27535), (351, 27403), (407, 27325), (412, 27313), (413, 27307), (457, 27238), (462, 27229), (493, 27169), (553, 27079), (608, 26974), (618, 26953), (635, 26926), (715, 26803), (721, 26779), (724, 26764), (747, 26689), (761, 26659),

Gene: LastJedi_34 Start: 27598, Stop: 28716, Start Num: 156
Candidate Starts for LastJedi_34:
(Start: 156 @27598 has 344 MA's), (Start: 162 @27607 has 1 MA's), (240, 27769), (317, 27934), (340, 27970), (351, 27979), (407, 28060), (418, 28084), (460, 28153), (480, 28192), (489, 28210), (491, 28213), (498, 28225), (500, 28228), (505, 28240), (513, 28255), (527, 28279), (536, 28285), (557, 28306), (585, 28342), (587, 28345), (601, 28381), (603, 28387), (608, 28402), (614, 28417), (671, 28486), (678, 28501), (715, 28543), (725, 28588), (728, 28597), (739, 28636), (745, 28654), (756, 28675), (763, 28690), (769, 28699), (770, 28702),

Gene: LaterM_42 Start: 33376, Stop: 34464, Start Num: 156
Candidate Starts for LaterM_42:
(Start: 156 @33376 has 344 MA's), (Start: 212 @33478 has 6 MA's), (221, 33502), (240, 33538), (270, 33589), (300, 33652), (313, 33676), (340, 33730), (347, 33733), (412, 33814), (457, 33883), (458, 33886), (476, 33916), (551, 34036), (597, 34114), (607, 34141), (713, 34276),

Gene: Lawnathon_40 Start: 27623, Stop: 26484, Start Num: 156
Candidate Starts for Lawnathon_40:
(Start: 156 @27623 has 344 MA's), (Start: 184 @27572 has 15 MA's), (270, 27404), (279, 27386), (351, 27254), (407, 27176), (412, 27164), (413, 27158), (457, 27089), (462, 27080), (493, 27020), (553, 26930), (608, 26825), (618, 26804), (635, 26777), (715, 26654), (721, 26630), (724, 26615), (747, 26540), (761, 26510),

Gene: LeBruni_37 Start: 27007, Stop: 25868, Start Num: 156
Candidate Starts for LeBruni_37:
(139, 27031), (Start: 156 @27007 has 344 MA's), (178, 26968), (Start: 184 @26956 has 15 MA's), (270, 26788), (279, 26770), (351, 26638), (407, 26560), (412, 26548), (457, 26473), (462, 26464), (493, 26404), (553, 26314), (635, 26161), (680, 26092), (715, 26038), (721, 26014), (724, 25999), (761, 25894),

Gene: LeMond_45 Start: 33694, Stop: 34779, Start Num: 156
Candidate Starts for LeMond_45:
(66, 33526), (Start: 156 @33694 has 344 MA's), (225, 33829), (240, 33856), (313, 33994), (330, 34036), (340, 34048), (412, 34132), (457, 34201), (458, 34204), (480, 34246), (551, 34354), (607, 34459), (671, 34546), (713, 34594), (741, 34702), (763, 34750),

Gene: Lederberg_27 Start: 25613, Stop: 24285, Start Num: 111
Candidate Starts for Lederberg_27:
(Start: 111 @25613 has 3 MA's), (134, 25577), (141, 25568), (Start: 176 @25511 has 3 MA's), (277, 25301), (278, 25298), (324, 25199), (334, 25181), (398, 25115), (401, 25109), (407, 25097), (483, 24932), (508, 24887), (520, 24866), (527, 24854), (544, 24830), (563, 24806), (567, 24800), (587, 24764), (627, 24668), (659, 24611), (687, 24566), (704, 24542), (712, 24527), (727, 24461), (728, 24458), (735, 24431), (741, 24413), (772, 24353), (799, 24299),

Gene: LeoAvram_33 Start: 26179, Stop: 25127, Start Num: 190

Candidate Starts for LeoAvram_33:
(Start: 105 @26293 has 3 MA's), (Start: 124 @26266 has 7 MA's), (Start: 150 @26248 has 130 MA's), (Start: 190 @26179 has 8 MA's), (Start: 212 @26125 has 6 MA's), (317, 25906), (323, 25897), (348, 25861), (400, 25819), (405, 25807), (407, 25804), (455, 25726), (530, 25591), (551, 25573), (601, 25486), (603, 25480), (610, 25459), (616, 25444), (628, 25426), (716, 25288), (729, 25240), (737, 25210), (739, 25204), (743, 25192), (763, 25153),

Gene: Leogania_35 Start: 28027, Stop: 26906, Start Num: 150
Candidate Starts for Leogania_35:
(Start: 102 @28090 has 2 MA's), (Start: 150 @28027 has 130 MA's), (Start: 184 @27973 has 15 MA's), (Start: 212 @27904 has 6 MA's), (230, 27859), (348, 27640), (430, 27529), (480, 27460), (551, 27352), (554, 27349), (564, 27340), (601, 27265), (603, 27259), (610, 27238), (616, 27223), (628, 27205), (716, 27067), (729, 27019), (730, 27016), (737, 26989), (739, 26983), (743, 26971), (763, 26932),

Gene: Leona_35 Start: 23984, Stop: 22791, Start Num: 148
Candidate Starts for Leona_35:
(Start: 148 @23984 has 95 MA's), (204, 23870), (371, 23555), (551, 23246), (612, 23120), (618, 23108), (632, 23087), (770, 22820),

Gene: Leroy_50 Start: 33450, Stop: 34544, Start Num: 156
Candidate Starts for Leroy_50:
(Start: 156 @33450 has 344 MA's), (Start: 184 @33501 has 15 MA's), (219, 33573), (223, 33579), (237, 33606), (265, 33651), (284, 33693), (317, 33765), (405, 33870), (412, 33885), (433, 33930), (480, 34002), (498, 34035), (500, 34038), (505, 34050), (610, 34215), (721, 34377), (722, 34380), (728, 34407), (732, 34419), (770, 34512),

Gene: Leviathan_35 Start: 26826, Stop: 25681, Start Num: 124
Candidate Starts for Leviathan_35:
(Start: 124 @26826 has 7 MA's), (Start: 135 @26808 has 6 MA's), (Start: 190 @26724 has 8 MA's), (Start: 212 @26676 has 6 MA's), (230, 26631), (323, 26448), (348, 26412), (407, 26355), (412, 26343), (476, 26244), (489, 26214), (551, 26124), (564, 26112), (601, 26037), (603, 26031), (610, 26010), (616, 25995), (628, 25977), (649, 25950), (716, 25839), (729, 25791), (730, 25788), (737, 25761), (739, 25755), (743, 25743), (763, 25704),

Gene: LilHazelnut_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for LilHazelnut_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: LilJank_8 Start: 3475, Stop: 2372, Start Num: 187
Candidate Starts for LilJank_8:
(174, 3502), (Start: 187 @3475 has 13 MA's), (191, 3463), (Start: 212 @3409 has 6 MA's), (222, 3394), (232, 3370), (243, 3343), (309, 3217), (361, 3145), (407, 3082), (412, 3070), (426, 3031), (471, 2947), (482, 2926), (501, 2890), (528, 2839), (583, 2770), (649, 2638), (682, 2578), (707, 2542), (715, 2527), (724, 2488), (735, 2446),

Gene: LilPharaoh_36 Start: 31976, Stop: 33070, Start Num: 156

Candidate Starts for LilPharaoh_36:
(28, 31625), (31, 31640), (47, 31733), (52, 31754), (80, 31847), (Start: 156 @31976 has 344 MA's), (Start: 184 @32027 has 15 MA's), (221, 32102), (240, 32138), (289, 32234), (300, 32252), (313, 32276), (337, 32324), (340, 32330), (432, 32462), (457, 32495), (480, 32540), (551, 32648), (607, 32753), (654, 32813), (713, 32888), (741, 32996), (757, 33032),

Gene: LilSpotty_38 Start: 27607, Stop: 28713, Start Num: 156
Candidate Starts for LilSpotty_38:
(Start: 156 @27607 has 344 MA's), (235, 27766), (250, 27802), (340, 27979), (412, 28063), (433, 28108), (457, 28132), (474, 28162), (476, 28165), (493, 28201), (498, 28210), (500, 28213), (527, 28264), (551, 28285), (597, 28363), (603, 28378), (646, 28438), (671, 28477), (678, 28492), (715, 28543), (721, 28567), (725, 28588),

Gene: LilTurb_34 Start: 26659, Stop: 25508, Start Num: 124
Candidate Starts for LilTurb_34:
(Start: 124 @26659 has 7 MA's), (Start: 135 @26641 has 6 MA's), (Start: 190 @26557 has 8 MA's), (Start: 212 @26509 has 6 MA's), (230, 26464), (323, 26281), (348, 26245), (407, 26188), (412, 26176), (418, 26161), (476, 26077), (480, 26065), (489, 26047), (551, 25957), (564, 25945), (601, 25870), (603, 25864), (610, 25843), (616, 25828), (628, 25810), (649, 25783), (716, 25672), (729, 25624), (730, 25621), (737, 25594), (739, 25588), (743, 25576), (763, 25537),

Gene: Lilas_38 Start: 32714, Stop: 33796, Start Num: 154
Candidate Starts for Lilas_38:
(Start: 154 @32714 has 64 MA's), (Start: 215 @32831 has 1 MA's), (265, 32924), (405, 33146), (420, 33182), (458, 33236), (495, 33305), (500, 33314), (721, 33653), (727, 33680), (769, 33785),

Gene: Lilith_36 Start: 26744, Stop: 25638, Start Num: 175
Candidate Starts for Lilith_36:
(Start: 150 @26783 has 130 MA's), (Start: 175 @26744 has 11 MA's), (Start: 212 @26660 has 6 MA's), (230, 26615), (313, 26459), (323, 26432), (348, 26396), (407, 26339), (455, 26261), (471, 26237), (489, 26198), (530, 26126), (547, 26114), (551, 26108), (564, 26096), (601, 26021), (603, 26015), (610, 25994), (616, 25979), (628, 25961), (647, 25937), (716, 25823), (728, 25778), (729, 25775), (732, 25766), (737, 25745), (739, 25739), (743, 25727), (763, 25688),

Gene: LilyBell_38 Start: 26387, Stop: 27529, Start Num: 156
Candidate Starts for LilyBell_38:
(65, 26210), (77, 26249), (91, 26288), (96, 26297), (Start: 156 @26387 has 344 MA's), (337, 26741), (340, 26747), (356, 26765), (418, 26873), (457, 26933), (505, 27026), (587, 27146), (605, 27194), (612, 27215), (616, 27224), (678, 27320), (722, 27401), (725, 27419), (728, 27428), (754, 27503),

Gene: LindNT_41 Start: 32665, Stop: 33753, Start Num: 156
Candidate Starts for LindNT_41:
(72, 32518), (Start: 156 @32665 has 344 MA's), (Start: 212 @32767 has 6 MA's), (221, 32791), (240, 32827), (313, 32965), (340, 33019), (412, 33103), (457, 33172), (458, 33175), (551, 33325), (607, 33430), (671, 33517), (713, 33565), (757, 33709),

Gene: LionsBait_33 Start: 27714, Stop: 26557, Start Num: 144
Candidate Starts for LionsBait_33:
(Start: 144 @27714 has 10 MA's), (Start: 212 @27591 has 6 MA's), (218, 27573), (230, 27546), (323, 27363), (348, 27327), (407, 27270), (455, 27192), (551, 27039), (564, 27027), (601, 26952), (603, 26946), (610, 26925), (616, 26910), (628, 26892), (644, 26871), (716, 26754), (729, 26706), (730, 26703), (737, 26676), (739, 26670), (743, 26658), (763, 26619), (782, 26589),

Gene: LitninMcQueen_43 Start: 31304, Stop: 32401, Start Num: 156
Candidate Starts for LitninMcQueen_43:
(29, 30968), (47, 31064), (112, 31247), (Start: 156 @31304 has 344 MA's), (Start: 184 @31355 has 15 MA's), (219, 31427), (223, 31433), (237, 31460), (265, 31505), (284, 31547), (340, 31655), (405, 31724), (412, 31739), (458, 31814), (480, 31856), (498, 31889), (500, 31892), (505, 31904), (587, 32006), (632, 32099), (683, 32171), (715, 32207), (721, 32231), (727, 32258), (741, 32306), (770, 32366),

Gene: LittleE_82 Start: 51604, Stop: 52791, Start Num: 162
Candidate Starts for LittleE_82:
(81, 51460), (Start: 97 @51502 has 1 MA's), (Start: 103 @51517 has 10 MA's), (106, 51520), (Start: 136 @51565 has 1 MA's), (Start: 162 @51604 has 1 MA's), (338, 51985), (400, 52069), (405, 52081), (407, 52084), (468, 52213), (550, 52333), (589, 52396), (599, 52414), (608, 52438), (650, 52510), (736, 52687), (737, 52690), (739, 52696), (745, 52714), (753, 52729), (757, 52738), (759, 52741), (785, 52786),

Gene: LittleRon_36 Start: 25766, Stop: 26908, Start Num: 156
Candidate Starts for LittleRon_36:
(Start: 156 @25766 has 344 MA's), (337, 26120), (340, 26126), (354, 26141), (391, 26195), (418, 26252), (457, 26312), (458, 26315), (474, 26342), (505, 26405), (587, 26525), (605, 26573), (678, 26699), (686, 26711), (728, 26807), (754, 26882),

Gene: LittleTokyo_36 Start: 23859, Stop: 22669, Start Num: 148
Candidate Starts for LittleTokyo_36:
(Start: 148 @23859 has 95 MA's), (371, 23427), (551, 23118), (612, 22992), (618, 22980), (765, 22701),

Gene: Llorens_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Llorens_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: LonelyBoi_38 Start: 32508, Stop: 33590, Start Num: 154
Candidate Starts for LonelyBoi_38:
(Start: 154 @32508 has 64 MA's), (Start: 184 @32562 has 15 MA's), (245, 32682), (418, 32967), (458, 33027), (505, 33117), (585, 33222), (721, 33447), (727, 33474), (769, 33579),

Gene: LordFarquaad_35 Start: 27696, Stop: 28778, Start Num: 154
Candidate Starts for LordFarquaad_35:
(Start: 86 @27585 has 6 MA's), (Start: 154 @27696 has 64 MA's), (Start: 184 @27750 has 15 MA's), (245, 27870), (405, 28125), (418, 28155), (458, 28215), (493, 28281), (505, 28305), (721, 28635), (727, 28662), (769, 28767),

Gene: LordVader_36 Start: 26840, Stop: 27946, Start Num: 156
Candidate Starts for LordVader_36:
(141, 26822), (Start: 156 @26840 has 344 MA's), (235, 26999), (250, 27035), (330, 27200), (340, 27212), (412, 27296), (417, 27308), (433, 27341), (457, 27365), (493, 27434), (498, 27443), (500, 27446), (527, 27497), (551, 27518), (597, 27596), (603, 27611), (646, 27671), (671, 27710), (678, 27725), (695, 27749), (715, 27776), (721, 27800), (725, 27821), (728, 27830), (745, 27887),

Gene: Lorde_42 Start: 31143, Stop: 32261, Start Num: 156
Candidate Starts for Lorde_42:

(Start: 156 @31143 has 344 MA's), (Start: 162 @31152 has 1 MA's), (240, 31314), (317, 31479), (340, 31515), (351, 31524), (407, 31605), (418, 31629), (460, 31698), (480, 31737), (489, 31755), (491, 31758), (498, 31770), (500, 31773), (505, 31785), (527, 31824), (536, 31830), (557, 31851), (585, 31887), (587, 31890), (601, 31926), (603, 31932), (608, 31947), (671, 32031), (678, 32046), (698, 32064), (725, 32133), (728, 32142), (739, 32181), (745, 32199), (756, 32220), (763, 32235), (769, 32244), (770, 32247),

Gene: Lowa_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for Lowa_36:
(Start: 150 @26782 has 130 MA's), (Start: 175 @26743 has 11 MA's), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (323, 26431), (348, 26395), (407, 26338), (455, 26260), (471, 26236), (489, 26197), (530, 26125), (547, 26113), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (647, 25936), (716, 25822), (728, 25777), (729, 25774), (732, 25765), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Lozinak_84 Start: 51934, Stop: 53232, Start Num: 155
Candidate Starts for Lozinak_84:
(Start: 155 @51934 has 15 MA's), (188, 52000), (233, 52102), (249, 52129), (259, 52141), (274, 52171), (290, 52210), (301, 52228), (333, 52294), (342, 52303), (378, 52387), (420, 52477), (497, 52636), (500, 52642), (502, 52645), (577, 52771), (606, 52840), (646, 52918), (676, 52969), (712, 52996), (720, 53032), (721, 53035), (722, 53038), (723, 53044), (725, 53056), (727, 53062), (728, 53065), (729, 53068), (737, 53098), (758, 53146), (762, 53155), (779, 53185),

Gene: Lton_34 Start: 25220, Stop: 26299, Start Num: 156
Candidate Starts for Lton_34:
(Start: 156 @25220 has 344 MA's), (237, 25376), (328, 25556), (458, 25727), (480, 25769), (502, 25808), (505, 25817), (603, 25973), (683, 26096), (721, 26156), (727, 26183), (737, 26219), (741, 26231), (769, 26288),

Gene: Lucky10_35 Start: 28235, Stop: 29314, Start Num: 156
Candidate Starts for Lucky10_35:
(23, 27794), (39, 27947), (46, 27989), (95, 28145), (131, 28199), (Start: 156 @28235 has 344 MA's), (237, 28391), (458, 28742), (480, 28784), (502, 28823), (505, 28832), (603, 28988), (683, 29111), (721, 29171), (741, 29246), (769, 29303),

Gene: Lucky2013_84 Start: 50079, Stop: 51353, Start Num: 103
Candidate Starts for Lucky2013_84:
(81, 50022), (Start: 97 @50064 has 1 MA's), (Start: 103 @50079 has 10 MA's), (106, 50082), (Start: 136 @50127 has 1 MA's), (Start: 162 @50166 has 1 MA's), (338, 50547), (400, 50631), (405, 50643), (407, 50646), (468, 50775), (550, 50895), (589, 50958), (599, 50976), (608, 51000), (650, 51072), (736, 51249), (737, 51252), (739, 51258), (745, 51276), (753, 51291), (757, 51300), (759, 51303), (785, 51348),

Gene: LugYA_38 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for LugYA_38:
(Start: 150 @26790 has 130 MA's), (Start: 175 @26751 has 11 MA's), (198, 26703), (Start: 212 @26667 has 6 MA's), (230, 26622), (313, 26466), (323, 26439), (348, 26403), (407, 26346), (455, 26268), (471, 26244), (489, 26205), (530, 26133), (547, 26121), (551, 26115), (564, 26103), (601, 26028), (603, 26022), (610, 26001), (616, 25986), (628, 25968), (647, 25944), (716, 25830), (728, 25785), (729, 25782), (732, 25773), (737, 25752), (739, 25746), (743, 25734), (763, 25695),

Gene: Luke_29 Start: 26433, Stop: 25240, Start Num: 189
Candidate Starts for Luke_29:

(Start: 166 @26475 has 2 MA's), (Start: 189 @26433 has 21 MA's), (213, 26367), (249, 26286), (266, 26247), (275, 26232), (277, 26226), (282, 26214), (296, 26187), (313, 26154), (345, 26097), (365, 26064), (367, 26061), (383, 26013), (406, 25971), (409, 25968), (418, 25944), (423, 25929), (434, 25905), (445, 25890), (471, 25851), (477, 25839), (496, 25800), (515, 25761), (556, 25713), (558, 25710), (601, 25638), (603, 25632), (607, 25620), (608, 25617), (610, 25611), (640, 25557), (652, 25539), (653, 25536), (668, 25509), (678, 25491), (682, 25485), (683, 25482), (713, 25440), (719, 25413), (721, 25407), (735, 25350), (763, 25287), (765, 25284),

Gene: Luna22_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Luna22_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: LunaBlu_46 Start: 33438, Stop: 34556, Start Num: 156
Candidate Starts for LunaBlu_46:
(Start: 156 @33438 has 344 MA's), (Start: 162 @33447 has 1 MA's), (240, 33609), (317, 33774), (340, 33810), (351, 33819), (418, 33924), (460, 33993), (480, 34032), (489, 34050), (491, 34053), (498, 34065), (500, 34068), (505, 34080), (513, 34095), (527, 34119), (536, 34125), (557, 34146), (585, 34182), (587, 34185), (601, 34221), (603, 34227), (608, 34242), (614, 34257), (671, 34326), (678, 34341), (715, 34383), (725, 34428), (728, 34437), (739, 34476), (745, 34494), (756, 34515), (763, 34530), (769, 34539), (770, 34542),

Gene: LunaStella_42 Start: 31631, Stop: 32749, Start Num: 156
Candidate Starts for LunaStella_42:
(Start: 156 @31631 has 344 MA's), (Start: 162 @31640 has 1 MA's), (223, 31769), (240, 31802), (265, 31850), (340, 32003), (351, 32012), (407, 32093), (460, 32186), (491, 32246), (498, 32258), (500, 32261), (513, 32288), (527, 32312), (557, 32339), (585, 32375), (587, 32378), (601, 32414), (614, 32450), (671, 32519), (678, 32534), (698, 32552), (725, 32621), (728, 32630), (739, 32669), (745, 32687), (756, 32708), (763, 32723),

Gene: Lunahalos_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Lunahalos_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: Lunar_38 Start: 24679, Stop: 23492, Start Num: 148
Candidate Starts for Lunar_38:
(87, 24769), (Start: 148 @24679 has 95 MA's), (612, 23815), (712, 23680), (772, 23512),

Gene: Lutum_50 Start: 32526, Stop: 33596, Start Num: 156
Candidate Starts for Lutum_50:
(Start: 156 @32526 has 344 MA's), (Start: 184 @32577 has 15 MA's), (223, 32655), (237, 32682), (340, 32877), (351, 32886), (401, 32937), (405, 32946), (407, 32949), (412, 32961), (433, 33006), (462, 33042), (480, 33078), (498, 33111), (500, 33114), (505, 33126), (611, 33294), (683, 33393), (721, 33453), (727, 33480), (728, 33483), (735, 33510), (737, 33516), (741, 33528), (769, 33585),

Gene: MA5_33 Start: 25943, Stop: 24819, Start Num: 150

Candidate Starts for MA5_33:
(Start: 150 @25943 has 130 MA's), (Start: 212 @25820 has 6 MA's), (230, 25775), (270, 25703), (317, 25601), (323, 25592), (348, 25556), (407, 25499), (455, 25421), (551, 25268), (564, 25256), (593, 25199), (601, 25181), (603, 25175), (610, 25154), (616, 25139), (628, 25121), (729, 24935), (737, 24905), (739, 24899), (743, 24887), (763, 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 130 MA's), (Start: 212 @25927 has 6 MA's), (230, 25882), (270, 25810), (294, 25762), (317, 25708), (323, 25699), (348, 25663), (407, 25606), (551, 25375), (564, 25363), (576, 25342), (601, 25288), (603, 25282), (610, 25261), (616, 25246), (628, 25228), (649, 25201), (716, 25090), (729, 25042), (730, 25039), (737, 25012), (739, 25006), (743, 24994), (753, 24973), (763, 24955),

Gene: MUWow_39 Start: 27853, Stop: 26681, Start Num: 156
Candidate Starts for MUWow_39:
(Start: 156 @27853 has 344 MA's), (214, 27736), (221, 27721), (279, 27616), (323, 27520), (351, 27484), (407, 27406), (457, 27319), (462, 27310), (493, 27250), (618, 27034), (632, 27010), (635, 27007), (715, 26884), (721, 26860), (724, 26845), (770, 26725), (786, 26698),

Gene: MadMarie_36 Start: 26792, Stop: 25647, Start Num: 150
Candidate Starts for MadMarie_36:
(Start: 150 @26792 has 130 MA's), (Start: 175 @26753 has 11 MA's), (198, 26705), (Start: 212 @26669 has 6 MA's), (230, 26624), (313, 26468), (323, 26441), (348, 26405), (407, 26348), (455, 26270), (471, 26246), (489, 26207), (530, 26135), (547, 26123), (551, 26117), (564, 26105), (601, 26030), (603, 26024), (610, 26003), (616, 25988), (628, 25970), (647, 25946), (716, 25832), (728, 25787), (729, 25784), (732, 25775), (737, 25754), (739, 25748), (743, 25736), (763, 25697),

Gene: Madavieve_34 Start: 30231, Stop: 31313, Start Num: 154
Candidate Starts for Madavieve_34:
(Start: 86 @30120 has 6 MA's), (Start: 154 @30231 has 64 MA's), (180, 30276), (Start: 184 @30285 has 15 MA's), (245, 30405), (418, 30690), (458, 30750), (493, 30816), (505, 30840), (585, 30945), (610, 31011), (721, 31170), (727, 31197), (741, 31245), (769, 31302), (770, 31305),

Gene: Madeline_35 Start: 31541, Stop: 30279, Start Num: 148
Candidate Starts for Madeline_35:
(Start: 148 @31541 has 95 MA's), (218, 31385), (314, 31202), (328, 31166), (371, 31106), (374, 31094), (390, 31049), (409, 31016), (424, 30974), (513, 30860), (558, 30806), (561, 30803), (601, 30728), (607, 30710), (608, 30707), (639, 30650), (708, 30533), (712, 30521), (721, 30482), (725, 30464), (743, 30404), (750, 30389), (759, 30377), (763, 30368), (786, 30329), (798, 30299),

Gene: Mainiac_36 Start: 26783, Stop: 25638, Start Num: 150
Candidate Starts for Mainiac_36:
(Start: 150 @26783 has 130 MA's), (Start: 175 @26744 has 11 MA's), (198, 26696), (Start: 212 @26660 has 6 MA's), (230, 26615), (313, 26459), (323, 26432), (348, 26396), (407, 26339), (455, 26261), (471, 26237), (489, 26198), (530, 26126), (547, 26114), (551, 26108), (564, 26096), (601, 26021), (603, 26015), (610, 25994), (616, 25979), (628, 25961), (647, 25937), (716, 25823), (728, 25778), (729, 25775), (732, 25766), (737, 25745), (739, 25739), (743, 25727), (763, 25688),

Gene: MajorMajor_34 Start: 25599, Stop: 24475, Start Num: 150
Candidate Starts for MajorMajor_34:
(Start: 150 @25599 has 130 MA's), (194, 25521), (Start: 212 @25476 has 6 MA's), (230, 25431), (265, 25371), (323, 25248), (348, 25212), (405, 25158), (407, 25155), (480, 25032), (481, 25029), (489,

25014), (547, 24930), (551, 24924), (576, 24891), (585, 24876), (601, 24837), (610, 24810), (616, 24795), (628, 24777), (649, 24750), (716, 24639), (729, 24591), (730, 24588), (732, 24582), (737, 24561), (739, 24555), (743, 24543), (763, 24504),

Gene: MakCheese_48 Start: 36086, Stop: 34929, Start Num: 156
Candidate Starts for MakCheese_48:
(Start: 156 @36086 has 344 MA's), (292, 35825), (323, 35759), (330, 35744), (340, 35732), (361, 35702), (405, 35588), (418, 35558), (458, 35498), (505, 35408), (527, 35369), (608, 35243), (610, 35237), (611, 35234), (635, 35204), (639, 35198), (654, 35174), (721, 35072), (741, 34997), (769, 34940),

Gene: Malec_36 Start: 27350, Stop: 26235, Start Num: 157
Candidate Starts for Malec_36:
(67, 27515), (131, 27389), (Start: 157 @27350 has 1 MA's), (Start: 175 @27317 has 11 MA's), (198, 27269), (Start: 212 @27233 has 6 MA's), (230, 27188), (255, 27146), (256, 27143), (313, 27032), (323, 27005), (348, 26969), (412, 26900), (430, 26858), (480, 26789), (489, 26771), (551, 26681), (601, 26594), (603, 26588), (610, 26567), (616, 26552), (628, 26534), (649, 26507), (716, 26396), (728, 26351), (729, 26348), (730, 26345), (732, 26339), (737, 26318), (739, 26312), (743, 26300), (763, 26261),

Gene: Malibo_40 Start: 32774, Stop: 31605, Start Num: 148
Candidate Starts for Malibo_40:
(Start: 148 @32774 has 95 MA's), (310, 32450), (315, 32432), (371, 32345), (374, 32333), (390, 32288), (416, 32240), (418, 32234), (423, 32219), (424, 32216), (428, 32204), (498, 32132), (556, 32051), (639, 31901), (658, 31871), (712, 31814), (714, 31802), (721, 31775), (750, 31682), (763, 31661), (786, 31622), (790, 31613),

Gene: Malinsilva_38 Start: 26743, Stop: 25637, Start Num: 175
Candidate Starts for Malinsilva_38:
(Start: 150 @26782 has 130 MA's), (Start: 175 @26743 has 11 MA's), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (323, 26431), (348, 26395), (407, 26338), (455, 26260), (471, 26236), (489, 26197), (530, 26125), (547, 26113), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (647, 25936), (716, 25822), (728, 25777), (729, 25774), (732, 25765), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Manasvini_39 Start: 30564, Stop: 31646, Start Num: 154
Candidate Starts for Manasvini_39:
(Start: 86 @30453 has 6 MA's), (Start: 154 @30564 has 64 MA's), (Start: 184 @30618 has 15 MA's), (245, 30738), (405, 30993), (418, 31023), (458, 31083), (493, 31149), (505, 31173), (721, 31503), (727, 31530), (769, 31635),

Gene: Mandlovu_40 Start: 31729, Stop: 32847, Start Num: 156
Candidate Starts for Mandlovu_40:
(Start: 156 @31729 has 344 MA's), (240, 31900), (317, 32065), (340, 32101), (351, 32110), (418, 32215), (460, 32284), (480, 32323), (491, 32344), (498, 32356), (500, 32359), (505, 32371), (527, 32410), (536, 32416), (557, 32437), (585, 32473), (587, 32476), (601, 32512), (603, 32518), (607, 32530), (608, 32533), (614, 32548), (671, 32617), (678, 32632), (698, 32650), (725, 32719), (728, 32728), (739, 32767), (745, 32785), (756, 32806), (763, 32821), (769, 32830), (770, 32833),

Gene: Manu_36 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Manu_36:
(Start: 102 @26706 has 2 MA's), (Start: 150 @26643 has 130 MA's), (Start: 184 @26589 has 15 MA's), (Start: 212 @26520 has 6 MA's), (317, 26301), (323, 26292), (348, 26256), (407, 26199), (455,

26121), (476, 26088), (530, 25986), (551, 25968), (564, 25956), (601, 25881), (603, 25875), (610, 25854), (616, 25839), (628, 25821), (647, 25797), (728, 25638), (729, 25635), (737, 25605), (739, 25599), (743, 25587), (763, 25548),

Gene: Mapleville_39 Start: 27702, Stop: 26563, Start Num: 156
Candidate Starts for Mapleville_39:
(Start: 156 @27702 has 344 MA's), (Start: 184 @27651 has 15 MA's), (270, 27483), (279, 27465), (351, 27333), (407, 27255), (412, 27243), (413, 27237), (457, 27168), (462, 27159), (493, 27099), (553, 27009), (608, 26904), (618, 26883), (635, 26856), (715, 26733), (721, 26709), (724, 26694), (747, 26619), (761, 26589),

Gene: MarQuardt_36 Start: 26791, Stop: 25646, Start Num: 150
Candidate Starts for MarQuardt_36:
(Start: 150 @26791 has 130 MA's), (Start: 175 @26752 has 11 MA's), (198, 26704), (Start: 212 @26668 has 6 MA's), (230, 26623), (313, 26467), (323, 26440), (348, 26404), (407, 26347), (455, 26269), (471, 26245), (489, 26206), (530, 26134), (547, 26122), (551, 26116), (564, 26104), (601, 26029), (603, 26023), (610, 26002), (616, 25987), (628, 25969), (647, 25945), (716, 25831), (728, 25786), (729, 25783), (732, 25774), (737, 25753), (739, 25747), (743, 25735), (763, 25696),

Gene: Marchesa_33 Start: 26268, Stop: 25228, Start Num: 198
Candidate Starts for Marchesa_33:
(Start: 150 @26355 has 130 MA's), (198, 26268), (Start: 212 @26232 has 6 MA's), (230, 26187), (265, 26127), (313, 26031), (315, 26019), (317, 26013), (348, 25968), (405, 25914), (407, 25911), (417, 25887), (530, 25698), (551, 25680), (564, 25668), (587, 25629), (601, 25593), (603, 25587), (610, 25566), (616, 25551), (628, 25533), (716, 25395), (729, 25347), (737, 25317), (739, 25311), (743, 25299), (763, 25260),

Gene: Marcoliusprime_43 Start: 34317, Stop: 35417, Start Num: 156
Candidate Starts for Marcoliusprime_43:
(Start: 156 @34317 has 344 MA's), (165, 34335), (221, 34443), (240, 34479), (300, 34593), (313, 34617), (340, 34671), (436, 34812), (457, 34836), (458, 34839), (480, 34881), (551, 34989), (607, 35094), (643, 35139), (654, 35154), (741, 35346),

Gene: MargaretKali_30 Start: 23298, Stop: 24602, Start Num: 152
Candidate Starts for MargaretKali_30:
(Start: 152 @23298 has 5 MA's), (Start: 184 @23355 has 15 MA's), (Start: 215 @23442 has 1 MA's), (219, 23451), (230, 23472), (278, 23574), (305, 23628), (308, 23634), (325, 23679), (329, 23688), (355, 23727), (459, 23973), (604, 24246), (639, 24303), (712, 24399), (717, 24426), (730, 24474), (737, 24501), (750, 24531), (758, 24546), (764, 24558),

Gene: Maridalia_39 Start: 30563, Stop: 31645, Start Num: 154
Candidate Starts for Maridalia_39:
(Start: 86 @30452 has 6 MA's), (Start: 154 @30563 has 64 MA's), (Start: 184 @30617 has 15 MA's), (245, 30737), (458, 31082), (505, 31172), (585, 31277), (721, 31502), (727, 31529), (741, 31577), (769, 31634), (770, 31637),

Gene: Marie_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for Marie_36:
(Start: 150 @26789 has 130 MA's), (Start: 175 @26750 has 11 MA's), (198, 26702), (Start: 212 @26666 has 6 MA's), (230, 26621), (313, 26465), (323, 26438), (348, 26402), (407, 26345), (455, 26267), (471, 26243), (489, 26204), (530, 26132), (547, 26120), (551, 26114), (564, 26102), (601, 26027), (603, 26021), (610, 26000), (616, 25985), (628, 25967), (647, 25943), (716, 25829), (728, 25784), (729, 25781), (732, 25772), (737, 25751), (739, 25745), (743, 25733), (763, 25694),

Gene: Marius_36 Start: 26643, Stop: 25498, Start Num: 150
Candidate Starts for Marius_36:
(Start: 102 @26706 has 2 MA's), (Start: 150 @26643 has 130 MA's), (Start: 184 @26589 has 15 MA's), (Start: 212 @26520 has 6 MA's), (317, 26301), (323, 26292), (348, 26256), (407, 26199), (455, 26121), (476, 26088), (530, 25986), (551, 25968), (564, 25956), (601, 25881), (603, 25875), (610, 25854), (616, 25839), (628, 25821), (647, 25797), (728, 25638), (729, 25635), (737, 25605), (739, 25599), (743, 25587), (763, 25548),

Gene: MarkPhew_44 Start: 33135, Stop: 34214, Start Num: 156
Candidate Starts for MarkPhew_44:
(17, 32601), (19, 32619), (20, 32631), (22, 32697), (52, 32913), (66, 32967), (75, 32994), (Start: 156 @33135 has 344 MA's), (240, 33297), (245, 33306), (267, 33339), (313, 33432), (330, 33474), (340, 33486), (412, 33570), (418, 33585), (457, 33639), (458, 33642), (480, 33684), (551, 33792), (607, 33897), (671, 33984), (713, 34032), (741, 34140), (763, 34188),

Gene: Marleymoo_72 Start: 50924, Stop: 52153, Start Num: 125
Candidate Starts for Marleymoo_72:
(Start: 125 @50924 has 30 MA's), (Start: 136 @50942 has 1 MA's), (Start: 162 @50981 has 1 MA's), (269, 51218), (317, 51326), (400, 51446), (401, 51449), (405, 51458), (412, 51473), (468, 51590), (537, 51707), (550, 51710), (557, 51719), (588, 51770), (589, 51773), (599, 51791), (650, 51887), (736, 52064), (737, 52067), (745, 52091), (757, 52115), (759, 52118),

Gene: Marshawn_44 Start: 33433, Stop: 34515, Start Num: 156
Candidate Starts for Marshawn_44:
(Start: 156 @33433 has 344 MA's), (Start: 184 @33484 has 15 MA's), (221, 33559), (240, 33595), (337, 33781), (340, 33787), (412, 33871), (457, 33940), (458, 33943), (480, 33985), (551, 34093), (607, 34198), (671, 34285), (713, 34333), (763, 34489), (778, 34510),

Gene: Marteena_36 Start: 30030, Stop: 31136, Start Num: 156
Candidate Starts for Marteena_36:
(115, 29973), (Start: 156 @30030 has 344 MA's), (Start: 184 @30081 has 15 MA's), (237, 30186), (241, 30195), (263, 30225), (410, 30459), (412, 30465), (457, 30534), (458, 30537), (476, 30567), (500, 30618), (505, 30630), (646, 30858), (689, 30918), (721, 30993), (728, 31023), (769, 31125),

Gene: Maruru_30 Start: 28338, Stop: 29489, Start Num: 156
Candidate Starts for Maruru_30:
(18, 27732), (58, 28143), (Start: 127 @28296 has 1 MA's), (Start: 156 @28338 has 344 MA's), (Start: 162 @28347 has 1 MA's), (214, 28449), (245, 28515), (270, 28551), (360, 28692), (407, 28764), (513, 28959), (686, 29247), (724, 29343), (727, 29355), (728, 29358),

Gene: MaterMagnus_40 Start: 27779, Stop: 26640, Start Num: 156
Candidate Starts for MaterMagnus_40:
(Start: 156 @27779 has 344 MA's), (Start: 184 @27728 has 15 MA's), (270, 27560), (279, 27542), (351, 27410), (407, 27332), (412, 27320), (413, 27314), (457, 27245), (462, 27236), (493, 27176), (553, 27086), (608, 26981), (618, 26960), (635, 26933), (715, 26810), (721, 26786), (724, 26771), (747, 26696), (761, 26666),

Gene: Matteo_30 Start: 25426, Stop: 26508, Start Num: 154
Candidate Starts for Matteo_30:
(Start: 85 @25309 has 2 MA's), (Start: 86 @25315 has 6 MA's), (Start: 154 @25426 has 64 MA's), (Start: 184 @25480 has 15 MA's), (245, 25600), (405, 25855), (418, 25885), (458, 25945), (493, 26011), (505, 26035), (585, 26140), (721, 26365), (727, 26392), (769, 26497),

Gene: Mattes_43 Start: 32094, Stop: 33212, Start Num: 156
Candidate Starts for Mattes_43:
(Start: 156 @32094 has 344 MA's), (223, 32232), (240, 32265), (265, 32313), (317, 32430), (340, 32466), (351, 32475), (418, 32580), (460, 32649), (491, 32709), (498, 32721), (500, 32724), (505, 32736), (513, 32751), (527, 32775), (536, 32781), (557, 32802), (585, 32838), (587, 32841), (601, 32877), (603, 32883), (607, 32895), (608, 32898), (671, 32982), (678, 32997), (715, 33039), (725, 33084), (728, 33093), (739, 33132), (745, 33150), (756, 33171), (763, 33186), (769, 33195), (770, 33198),

Gene: Maxo_33 Start: 26250, Stop: 25129, Start Num: 150
Candidate Starts for Maxo_33:
(Start: 105 @26295 has 3 MA's), (Start: 124 @26268 has 7 MA's), (Start: 150 @26250 has 130 MA's), (Start: 190 @26181 has 8 MA's), (Start: 212 @26127 has 6 MA's), (317, 25908), (323, 25899), (348, 25863), (400, 25821), (405, 25809), (407, 25806), (455, 25728), (530, 25593), (551, 25575), (601, 25488), (603, 25482), (610, 25461), (616, 25446), (628, 25428), (716, 25290), (729, 25242), (737, 25212), (739, 25206), (743, 25194), (763, 25155),

Gene: Mbo4_31 Start: 29712, Stop: 28447, Start Num: 148
Candidate Starts for Mbo4_31:
(Start: 148 @29712 has 95 MA's), (Start: 156 @29697 has 344 MA's), (177, 29658), (204, 29595), (229, 29538), (239, 29523), (273, 29448), (277, 29439), (289, 29412), (323, 29346), (349, 29310), (355, 29301), (371, 29265), (372, 29262), (374, 29253), (377, 29244), (380, 29226), (382, 29223), (390, 29208), (421, 29142), (426, 29127), (428, 29121), (457, 29076), (471, 29052), (476, 29043), (484, 29022), (491, 29007), (497, 28998), (507, 28974), (513, 28965), (519, 28956), (568, 28893), (578, 28875), (579, 28872), (601, 28830), (603, 28824), (608, 28809), (610, 28803), (622, 28779), (635, 28758), (668, 28707), (676, 28692), (709, 28674), (717, 28638), (721, 28626), (724, 28611), (737, 28563), (739, 28557), (743, 28545), (750, 28530), (759, 28518), (772, 28494), (775, 28488),

Gene: McMater_43 Start: 33014, Stop: 34105, Start Num: 156
Candidate Starts for McMater_43:
(11, 32333), (21, 32477), (32, 32681), (49, 32780), (51, 32789), (57, 32816), (70, 32864), (Start: 156 @33014 has 344 MA's), (Start: 184 @33065 has 15 MA's), (221, 33140), (240, 33176), (300, 33290), (313, 33314), (340, 33368), (412, 33452), (425, 33485), (457, 33521), (458, 33524), (480, 33566), (527, 33653), (551, 33674), (607, 33782), (654, 33842), (700, 33905), (713, 33917), (741, 34025), (757, 34061),

Gene: Mcklovin_36 Start: 33917, Stop: 35044, Start Num: 156
Candidate Starts for Mcklovin_36:
(54, 33698), (61, 33734), (Start: 156 @33917 has 344 MA's), (Start: 184 @33971 has 15 MA's), (257, 34127), (302, 34217), (315, 34250), (457, 34445), (458, 34448), (480, 34490), (500, 34526), (688, 34823), (721, 34901), (732, 34943), (739, 34970), (769, 35033),

Gene: MeaningOfLife_42 Start: 33409, Stop: 34497, Start Num: 156
Candidate Starts for MeaningOfLife_42:
(Start: 156 @33409 has 344 MA's), (Start: 212 @33511 has 6 MA's), (221, 33535), (240, 33571), (313, 33709), (340, 33763), (412, 33847), (457, 33916), (458, 33919), (482, 33967), (551, 34069), (607, 34174), (671, 34261), (713, 34309), (757, 34453),

Gene: Medindi_40 Start: 31479, Stop: 32597, Start Num: 156
Candidate Starts for Medindi_40:
(Start: 156 @31479 has 344 MA's), (Start: 162 @31488 has 1 MA's), (240, 31650), (317, 31815), (340, 31851), (351, 31860), (418, 31965), (460, 32034), (480, 32073), (491, 32094), (498, 32106), (500,

32109), (505, 32121), (513, 32136), (527, 32160), (536, 32166), (557, 32187), (585, 32223), (587, 32226), (601, 32262), (603, 32268), (607, 32280), (608, 32283), (614, 32298), (671, 32367), (678, 32382), (715, 32424), (725, 32469), (728, 32478), (739, 32517), (745, 32535), (756, 32556), (763, 32571), (769, 32580), (770, 32583),

Gene: Medusa_33 Start: 26128, Stop: 25130, Start Num: 212
Candidate Starts for Medusa_33:
(Start: 105 @26296 has 3 MA's), (Start: 124 @26269 has 7 MA's), (Start: 150 @26251 has 130 MA's), (Start: 190 @26182 has 8 MA's), (Start: 212 @26128 has 6 MA's), (317, 25909), (323, 25900), (348, 25864), (400, 25822), (405, 25810), (407, 25807), (455, 25729), (530, 25594), (551, 25576), (601, 25489), (610, 25462), (616, 25447), (628, 25429), (716, 25291), (729, 25243), (737, 25213), (739, 25207), (743, 25195), (763, 25156),

Gene: Megsy_42 Start: 32724, Stop: 33812, Start Num: 156
Candidate Starts for Megsy_42:
(Start: 156 @32724 has 344 MA's), (Start: 212 @32826 has 6 MA's), (221, 32850), (240, 32886), (313, 33024), (340, 33078), (412, 33162), (457, 33231), (458, 33234), (551, 33384), (597, 33462), (607, 33489), (713, 33624), (757, 33768),

Gene: Melissauren88_42 Start: 32565, Stop: 33683, Start Num: 156
Candidate Starts for Melissauren88_42:
(Start: 156 @32565 has 344 MA's), (Start: 162 @32574 has 1 MA's), (240, 32736), (317, 32901), (340, 32937), (351, 32946), (418, 33051), (460, 33120), (480, 33159), (491, 33180), (498, 33192), (500, 33195), (505, 33207), (527, 33246), (536, 33252), (557, 33273), (585, 33309), (587, 33312), (601, 33348), (603, 33354), (608, 33369), (614, 33384), (671, 33453), (678, 33468), (715, 33510), (725, 33555), (728, 33564), (739, 33603), (745, 33621), (756, 33642), (763, 33657), (769, 33666), (770, 33669),

Gene: Melons_38 Start: 24495, Stop: 23308, Start Num: 148
Candidate Starts for Melons_38:
(87, 24585), (Start: 148 @24495 has 95 MA's), (325, 24141), (364, 24078), (371, 24066), (612, 23631), (712, 23496), (714, 23484), (772, 23328),

Gene: Melvin_33 Start: 26249, Stop: 25128, Start Num: 150
Candidate Starts for Melvin_33:
(Start: 105 @26294 has 3 MA's), (Start: 124 @26267 has 7 MA's), (Start: 150 @26249 has 130 MA's), (Start: 190 @26180 has 8 MA's), (Start: 212 @26126 has 6 MA's), (317, 25907), (323, 25898), (348, 25862), (400, 25820), (405, 25808), (407, 25805), (455, 25727), (530, 25592), (551, 25574), (601, 25487), (610, 25460), (616, 25445), (628, 25427), (716, 25289), (729, 25241), (737, 25211), (739, 25205), (743, 25193), (763, 25154),

Gene: Merpity_34 Start: 25482, Stop: 24364, Start Num: 145
Candidate Starts for Merpity_34:
(82, 25599), (Start: 145 @25482 has 5 MA's), (248, 25287), (261, 25260), (325, 25131), (370, 25065), (373, 25053), (374, 25050), (379, 25029), (421, 24945), (489, 24879), (505, 24846), (513, 24831), (519, 24822), (569, 24765), (581, 24744), (602, 24696), (603, 24693), (607, 24681), (610, 24672), (618, 24654), (620, 24651), (624, 24645), (639, 24633), (712, 24546), (737, 24447), (763, 24393),

Gene: MiaZeal_87 Start: 50735, Stop: 52009, Start Num: 103
Candidate Starts for MiaZeal_87:
(81, 50678), (Start: 97 @50720 has 1 MA's), (Start: 103 @50735 has 10 MA's), (106, 50738), (Start: 136 @50783 has 1 MA's), (Start: 162 @50822 has 1 MA's), (338, 51203), (400, 51287), (405, 51299), (407, 51302), (468, 51431), (550, 51551), (589, 51614), (599, 51632), (608, 51656), (650, 51728),

(736, 51905), (737, 51908), (739, 51914), (745, 51932), (753, 51947), (757, 51956), (759, 51959), (785, 52004),

Gene: MichaelScott_40 Start: 30472, Stop: 31599, Start Num: 156
Candidate Starts for MichaelScott_40:
(Start: 124 @30433 has 7 MA's), (Start: 156 @30472 has 344 MA's), (Start: 184 @30526 has 15 MA's), (237, 30649), (257, 30682), (302, 30772), (315, 30805), (457, 31000), (458, 31003), (480, 31045), (500, 31081), (688, 31378), (721, 31456), (727, 31483), (732, 31498), (739, 31525), (769, 31588),

Gene: Microwolf_36 Start: 26752, Stop: 25646, Start Num: 175
Candidate Starts for Microwolf_36:
(Start: 150 @26791 has 130 MA's), (Start: 175 @26752 has 11 MA's), (Start: 212 @26668 has 6 MA's), (230, 26623), (313, 26467), (323, 26440), (348, 26404), (407, 26347), (455, 26269), (471, 26245), (489, 26206), (530, 26134), (547, 26122), (551, 26116), (564, 26104), (601, 26029), (603, 26023), (610, 26002), (616, 25987), (628, 25969), (647, 25945), (716, 25831), (728, 25786), (729, 25783), (732, 25774), (737, 25753), (739, 25747), (743, 25735), (763, 25696),

Gene: MiculUcigas_34 Start: 26502, Stop: 25381, Start Num: 150
Candidate Starts for MiculUcigas_34:
(Start: 102 @26565 has 2 MA's), (Start: 150 @26502 has 130 MA's), (Start: 184 @26448 has 15 MA's), (Start: 212 @26379 has 6 MA's), (230, 26334), (297, 26208), (323, 26151), (348, 26115), (405, 26061), (407, 26058), (480, 25935), (489, 25917), (551, 25827), (564, 25815), (601, 25740), (603, 25734), (610, 25713), (616, 25698), (628, 25680), (649, 25653), (729, 25494), (737, 25464), (739, 25458), (743, 25446), (763, 25407),

Gene: MidnightRain_42 Start: 28565, Stop: 27426, Start Num: 156
Candidate Starts for MidnightRain_42:
(Start: 156 @28565 has 344 MA's), (Start: 184 @28514 has 15 MA's), (270, 28346), (279, 28328), (351, 28196), (407, 28118), (412, 28106), (457, 28031), (462, 28022), (493, 27962), (553, 27872), (608, 27767), (618, 27746), (635, 27719), (715, 27596), (721, 27572), (724, 27557), (747, 27482), (761, 27452),

Gene: MilanaBonita_37 Start: 29110, Stop: 30237, Start Num: 156
Candidate Starts for MilanaBonita_37:
(88, 29008), (123, 29065), (Start: 156 @29110 has 344 MA's), (Start: 162 @29119 has 1 MA's), (240, 29281), (263, 29332), (270, 29350), (289, 29395), (340, 29491), (351, 29500), (418, 29605), (460, 29674), (480, 29713), (491, 29734), (498, 29746), (500, 29749), (505, 29761), (527, 29800), (536, 29806), (557, 29827), (585, 29863), (587, 29866), (601, 29902), (603, 29908), (607, 29920), (608, 29923), (614, 29938), (671, 30007), (678, 30022), (698, 30040), (715, 30064), (725, 30109), (728, 30118), (732, 30130), (739, 30157), (745, 30175), (756, 30196), (763, 30211), (769, 30220), (770, 30223),

Gene: MilleniumForce_42 Start: 32868, Stop: 33986, Start Num: 156
Candidate Starts for MilleniumForce_42:
(Start: 156 @32868 has 344 MA's), (Start: 162 @32877 has 1 MA's), (240, 33039), (317, 33204), (340, 33240), (351, 33249), (407, 33330), (418, 33354), (460, 33423), (489, 33480), (491, 33483), (498, 33495), (500, 33498), (505, 33510), (527, 33549), (557, 33576), (585, 33612), (587, 33615), (601, 33651), (603, 33657), (608, 33672), (671, 33756), (678, 33771), (715, 33813), (725, 33858), (728, 33867), (739, 33906), (745, 33924), (756, 33945), (763, 33960), (769, 33969), (770, 33972),

Gene: Milly_43 Start: 34290, Stop: 35390, Start Num: 156
Candidate Starts for Milly_43:

(Start: 156 @34290 has 344 MA's), (165, 34308), (Start: 184 @34341 has 15 MA's), (221, 34416), (240, 34452), (300, 34566), (313, 34590), (340, 34644), (436, 34785), (457, 34809), (458, 34812), (480, 34854), (551, 34962), (607, 35067), (643, 35112), (654, 35127), (741, 35319),

Gene: Minerva_84 Start: 53196, Stop: 54425, Start Num: 125
Candidate Starts for Minerva_84:
(Start: 125 @53196 has 30 MA's), (Start: 136 @53214 has 1 MA's), (Start: 162 @53253 has 1 MA's), (269, 53490), (317, 53598), (400, 53718), (401, 53721), (405, 53730), (412, 53745), (426, 53784), (468, 53862), (526, 53967), (537, 53979), (550, 53982), (557, 53991), (588, 54042), (589, 54045), (599, 54063), (650, 54159), (695, 54216), (736, 54336), (737, 54339), (745, 54363), (757, 54387), (759, 54390),

Gene: MinionDave_43 Start: 33105, Stop: 34223, Start Num: 156
Candidate Starts for MinionDave_43:
(Start: 156 @33105 has 344 MA's), (Start: 162 @33114 has 1 MA's), (240, 33276), (265, 33324), (317, 33441), (340, 33477), (351, 33486), (418, 33591), (460, 33660), (480, 33699), (489, 33717), (491, 33720), (498, 33732), (500, 33735), (505, 33747), (527, 33786), (536, 33792), (557, 33813), (585, 33849), (587, 33852), (601, 33888), (603, 33894), (607, 33906), (608, 33909), (614, 33924), (671, 33993), (678, 34008), (698, 34026), (715, 34050), (725, 34095), (728, 34104), (739, 34143), (745, 34161), (756, 34182), (763, 34197), (769, 34206), (770, 34209),

Gene: Minnie_43 Start: 32650, Stop: 33768, Start Num: 156
Candidate Starts for Minnie_43:
(Start: 156 @32650 has 344 MA's), (223, 32788), (240, 32821), (265, 32869), (340, 33022), (351, 33031), (407, 33112), (460, 33205), (480, 33244), (489, 33262), (491, 33265), (498, 33277), (500, 33280), (505, 33292), (513, 33307), (527, 33331), (536, 33337), (557, 33358), (585, 33394), (587, 33397), (601, 33433), (603, 33439), (608, 33454), (614, 33469), (671, 33538), (678, 33553), (715, 33595), (725, 33640), (728, 33649), (739, 33688), (745, 33706), (756, 33727), (763, 33742), (769, 33751), (770, 33754),

Gene: Miskis_76 Start: 49839, Stop: 51137, Start Num: 155
Candidate Starts for Miskis_76:
(Start: 155 @49839 has 15 MA's), (188, 49905), (233, 50007), (249, 50034), (259, 50046), (274, 50076), (290, 50115), (301, 50133), (333, 50199), (342, 50208), (378, 50292), (420, 50382), (497, 50541), (500, 50547), (502, 50550), (577, 50676), (606, 50745), (646, 50823), (676, 50874), (712, 50901), (720, 50937), (721, 50940), (722, 50943), (723, 50949), (725, 50961), (727, 50967), (728, 50970), (729, 50973), (737, 51003), (758, 51051), (762, 51060), (779, 51090),

Gene: MissWhite_33 Start: 25561, Stop: 24443, Start Num: 150
Candidate Starts for MissWhite_33:
(Start: 150 @25561 has 130 MA's), (174, 25525), (Start: 184 @25507 has 15 MA's), (Start: 212 @25438 has 6 MA's), (218, 25420), (260, 25345), (263, 25339), (313, 25237), (315, 25225), (323, 25210), (348, 25174), (405, 25120), (551, 24886), (564, 24874), (601, 24799), (603, 24793), (610, 24772), (616, 24757), (628, 24739), (649, 24712), (729, 24553), (730, 24550), (737, 24523), (739, 24517), (743, 24505), (763, 24466), (770, 24454),

Gene: Mocha12_37 Start: 27875, Stop: 28957, Start Num: 154
Candidate Starts for Mocha12_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (559, 28553), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: ModicumRichard_35 Start: 30420, Stop: 29293, Start Num: 148

Candidate Starts for ModicumRichard_35:
(12, 30900), (Start: 148 @30420 has 95 MA's), (177, 30366), (226, 30261), (314, 30090), (365, 30000), (378, 29964), (428, 29850), (485, 29811), (498, 29787), (568, 29691), (639, 29559), (666, 29514), (717, 29442), (763, 29316),

Gene: MoneyMay_36 Start: 26789, Stop: 25644, Start Num: 150
Candidate Starts for MoneyMay_36:
(Start: 150 @26789 has 130 MA's), (Start: 175 @26750 has 11 MA's), (198, 26702), (Start: 212 @26666 has 6 MA's), (230, 26621), (313, 26465), (323, 26438), (348, 26402), (407, 26345), (455, 26267), (471, 26243), (489, 26204), (530, 26132), (547, 26120), (551, 26114), (564, 26102), (601, 26027), (603, 26021), (610, 26000), (616, 25985), (628, 25967), (647, 25943), (716, 25829), (728, 25784), (729, 25781), (732, 25772), (737, 25751), (739, 25745), (743, 25733), (763, 25694),

Gene: Montavir_35 Start: 26751, Stop: 25645, Start Num: 175
Candidate Starts for Montavir_35:
(Start: 150 @26790 has 130 MA's), (Start: 175 @26751 has 11 MA's), (198, 26703), (Start: 212 @26667 has 6 MA's), (230, 26622), (313, 26466), (323, 26439), (348, 26403), (407, 26346), (455, 26268), (471, 26244), (489, 26205), (530, 26133), (547, 26121), (551, 26115), (564, 26103), (601, 26028), (603, 26022), (610, 26001), (616, 25986), (628, 25968), (647, 25944), (716, 25830), (728, 25785), (729, 25782), (732, 25773), (737, 25752), (739, 25746), (743, 25734), (763, 25695),

Gene: MooMoo_41 Start: 31904, Stop: 33025, Start Num: 156
Candidate Starts for MooMoo_41:
(Start: 156 @31904 has 344 MA's), (218, 32033), (240, 32075), (270, 32135), (289, 32180), (340, 32276), (351, 32285), (460, 32462), (491, 32522), (498, 32534), (500, 32537), (502, 32540), (505, 32549), (527, 32588), (536, 32594), (557, 32615), (585, 32651), (587, 32654), (601, 32690), (614, 32726), (635, 32741), (671, 32795), (678, 32810), (689, 32825), (725, 32897), (728, 32906), (732, 32918), (739, 32945), (745, 32963), (756, 32984), (763, 32999),

Gene: Moonbeam_41 Start: 32622, Stop: 33740, Start Num: 156
Candidate Starts for Moonbeam_41:
(Start: 156 @32622 has 344 MA's), (Start: 162 @32631 has 1 MA's), (240, 32793), (265, 32841), (317, 32958), (340, 32994), (351, 33003), (418, 33108), (460, 33177), (480, 33216), (489, 33234), (491, 33237), (498, 33249), (500, 33252), (505, 33264), (513, 33279), (527, 33303), (536, 33309), (557, 33330), (585, 33366), (587, 33369), (601, 33405), (603, 33411), (607, 33423), (608, 33426), (614, 33441), (671, 33510), (678, 33525), (698, 33543), (715, 33567), (725, 33612), (728, 33621), (739, 33660), (745, 33678), (756, 33699), (763, 33714), (769, 33723), (770, 33726),

Gene: Moosehead_35 Start: 25354, Stop: 26436, Start Num: 151
Candidate Starts for Moosehead_35:
(Start: 151 @25354 has 2 MA's), (237, 25513), (265, 25558), (280, 25591), (458, 25864), (480, 25906), (500, 25942), (502, 25945), (505, 25954), (683, 26233), (721, 26293), (769, 26425),

Gene: Morgana_35 Start: 30175, Stop: 29048, Start Num: 148
Candidate Starts for Morgana_35:
(12, 30832), (14, 30778), (Start: 148 @30175 has 95 MA's), (177, 30121), (314, 29845), (365, 29755), (378, 29719), (428, 29605), (485, 29566), (498, 29542), (568, 29446), (639, 29314), (666, 29269), (717, 29197), (763, 29071),

Gene: Morkie_33 Start: 26172, Stop: 27254, Start Num: 154
Candidate Starts for Morkie_33:
(Start: 154 @26172 has 64 MA's), (Start: 184 @26226 has 15 MA's), (245, 26346), (405, 26601), (458, 26691), (493, 26757), (505, 26781), (610, 26952), (721, 27111), (727, 27138), (741, 27186), (769,

27243),

Gene: Morrow_33 Start: 26255, Stop: 25116, Start Num: 150
Candidate Starts for Morrow_33:
(Start: 105 @26300 has 3 MA's), (Start: 124 @26273 has 7 MA's), (Start: 150 @26255 has 130 MA's), (Start: 190 @26186 has 8 MA's), (Start: 212 @26132 has 6 MA's), (317, 25913), (323, 25904), (348, 25868), (400, 25826), (405, 25814), (407, 25811), (455, 25733), (530, 25598), (551, 25580), (601, 25493), (603, 25487), (610, 25466), (616, 25451), (628, 25433), (716, 25295), (729, 25247), (737, 25217), (739, 25211), (743, 25199), (763, 25160), (780, 25136), (782, 25130),

Gene: Mova_42 Start: 31760, Stop: 32878, Start Num: 156
Candidate Starts for Mova_42:
(Start: 156 @31760 has 344 MA's), (223, 31898), (240, 31931), (265, 31979), (340, 32132), (351, 32141), (407, 32222), (460, 32315), (480, 32354), (491, 32375), (498, 32387), (500, 32390), (505, 32402), (513, 32417), (527, 32441), (536, 32447), (557, 32468), (585, 32504), (587, 32507), (601, 32543), (608, 32564), (614, 32579), (671, 32648), (678, 32663), (698, 32681), (715, 32705), (725, 32750), (728, 32759), (732, 32771), (739, 32798), (745, 32816), (756, 32837), (763, 32852), (769, 32861), (770, 32864),

Gene: Mozy_51 Start: 34630, Stop: 35748, Start Num: 156
Candidate Starts for Mozy_51:
(Start: 156 @34630 has 344 MA's), (Start: 162 @34639 has 1 MA's), (240, 34801), (317, 34966), (340, 35002), (351, 35011), (418, 35116), (460, 35185), (480, 35224), (491, 35245), (498, 35257), (500, 35260), (505, 35272), (527, 35311), (536, 35317), (557, 35338), (585, 35374), (587, 35377), (601, 35413), (603, 35419), (608, 35434), (671, 35518), (678, 35533), (715, 35575), (725, 35620), (728, 35629), (739, 35668), (745, 35686), (756, 35707), (763, 35722), (769, 35731), (770, 35734),

Gene: MrSmee_34 Start: 25508, Stop: 24390, Start Num: 145
Candidate Starts for MrSmee_34:
(Start: 145 @25508 has 5 MA's), (248, 25313), (263, 25283), (265, 25277), (284, 25247), (302, 25211), (315, 25178), (317, 25172), (325, 25157), (330, 25148), (370, 25091), (373, 25079), (374, 25076), (377, 25067), (379, 25055), (382, 25046), (411, 24986), (421, 24971), (489, 24905), (497, 24890), (505, 24872), (519, 24848), (520, 24845), (568, 24794), (581, 24770), (602, 24722), (607, 24707), (614, 24686), (618, 24680), (639, 24659), (763, 24419),

Gene: Ms6_36 Start: 27630, Stop: 28748, Start Num: 156
Candidate Starts for Ms6_36:
(Start: 156 @27630 has 344 MA's), (Start: 162 @27639 has 1 MA's), (240, 27801), (317, 27966), (340, 28002), (351, 28011), (418, 28116), (460, 28185), (480, 28224), (491, 28245), (498, 28257), (500, 28260), (505, 28272), (527, 28311), (536, 28317), (557, 28338), (585, 28374), (587, 28377), (601, 28413), (603, 28419), (607, 28431), (608, 28434), (614, 28449), (671, 28518), (678, 28533), (725, 28620), (728, 28629), (739, 28668), (745, 28686), (756, 28707), (763, 28722), (769, 28731), (770, 28734),

Gene: MuchMore_38 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for MuchMore_38:
(Start: 150 @26782 has 130 MA's), (Start: 175 @26743 has 11 MA's), (198, 26695), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (323, 26431), (348, 26395), (407, 26338), (455, 26260), (471, 26236), (489, 26197), (530, 26125), (547, 26113), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (647, 25936), (716, 25822), (728, 25777), (729, 25774), (732, 25765), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Mufasa_44 Start: 34136, Stop: 35236, Start Num: 156

Candidate Starts for Mufasa_44:
(Start: 156 @34136 has 344 MA's), (165, 34154), (Start: 184 @34187 has 15 MA's), (221, 34262), (240, 34298), (300, 34412), (313, 34436), (340, 34490), (364, 34514), (436, 34631), (457, 34655), (458, 34658), (480, 34700), (551, 34808), (607, 34913), (643, 34958), (654, 34973), (741, 35165),

Gene: Mufasa8_27 Start: 25316, Stop: 26536, Start Num: 156
Candidate Starts for Mufasa8_27:
(Start: 156 @25316 has 344 MA's), (223, 25445), (265, 25517), (270, 25529), (325, 25634), (347, 25658), (360, 25670), (391, 25712), (458, 25832), (466, 25844), (474, 25859), (491, 25895), (493, 25898), (505, 25922), (521, 25952), (544, 25976), (546, 25979), (553, 25988), (555, 25991), (597, 26063), (601, 26072), (603, 26078), (618, 26114), (635, 26144), (654, 26171), (678, 26213), (686, 26225),

Gene: Mulch_39 Start: 31322, Stop: 30051, Start Num: 148
Candidate Starts for Mulch_39:
(Start: 148 @31322 has 95 MA's), (Start: 156 @31307 has 344 MA's), (204, 31205), (226, 31163), (230, 31151), (269, 31076), (306, 31001), (310, 30992), (315, 30974), (374, 30875), (375, 30872), (416, 30782), (497, 30677), (554, 30581), (558, 30575), (639, 30413), (714, 30272), (725, 30227), (740, 30176), (743, 30167), (750, 30152), (759, 30140), (765, 30128), (791, 30089),

Gene: MurphyJoseph_36 Start: 26546, Stop: 25368, Start Num: 156
Candidate Starts for MurphyJoseph_36:
(Start: 156 @26546 has 344 MA's), (214, 26429), (279, 26309), (323, 26213), (351, 26177), (407, 26099), (457, 26012), (462, 26003), (493, 25943), (519, 25895), (610, 25742), (635, 25700), (715, 25583), (720, 25562), (721, 25559), (724, 25544), (770, 25424),

Gene: Murucutumbu_42 Start: 33469, Stop: 34557, Start Num: 156
Candidate Starts for Murucutumbu_42:
(Start: 156 @33469 has 344 MA's), (Start: 212 @33571 has 6 MA's), (221, 33595), (240, 33631), (270, 33682), (300, 33745), (313, 33769), (340, 33823), (347, 33826), (412, 33907), (457, 33976), (458, 33979), (476, 34009), (551, 34129), (597, 34207), (607, 34234), (713, 34369),

Gene: Mutaforma13_45 Start: 33170, Stop: 34288, Start Num: 156
Candidate Starts for Mutaforma13_45:
(Start: 156 @33170 has 344 MA's), (Start: 162 @33179 has 1 MA's), (223, 33308), (240, 33341), (265, 33389), (317, 33506), (340, 33542), (351, 33551), (418, 33656), (460, 33725), (491, 33785), (498, 33797), (500, 33800), (505, 33812), (513, 33827), (527, 33851), (536, 33857), (557, 33878), (585, 33914), (587, 33917), (601, 33953), (603, 33959), (607, 33971), (608, 33974), (671, 34058), (678, 34073), (715, 34115), (725, 34160), (728, 34169), (739, 34208), (745, 34226), (756, 34247), (763, 34262), (769, 34271), (770, 34274),

Gene: Mynx_42 Start: 32799, Stop: 33887, Start Num: 156
Candidate Starts for Mynx_42:
(Start: 156 @32799 has 344 MA's), (Start: 212 @32901 has 6 MA's), (221, 32925), (240, 32961), (313, 33099), (340, 33153), (412, 33237), (457, 33306), (458, 33309), (482, 33357), (551, 33459), (607, 33564), (671, 33651), (713, 33699), (757, 33843),

Gene: NaSiaTalie_34 Start: 26377, Stop: 25379, Start Num: 212
Candidate Starts for NaSiaTalie_34:
(Start: 102 @26563 has 2 MA's), (Start: 150 @26500 has 130 MA's), (Start: 184 @26446 has 15 MA's), (Start: 212 @26377 has 6 MA's), (230, 26332), (297, 26206), (323, 26149), (348, 26113), (405, 26059), (407, 26056), (480, 25933), (489, 25915), (551, 25825), (564, 25813), (601, 25738), (603, 25732), (610, 25711), (616, 25696), (628, 25678), (649, 25651), (729, 25492), (737, 25462), (739,

25456), (743, 25444), (763, 25405),

Gene: Nadeem_39 Start: 31322, Stop: 30051, Start Num: 148
Candidate Starts for Nadeem_39:
(Start: 148 @31322 has 95 MA's), (Start: 156 @31307 has 344 MA's), (204, 31205), (226, 31163), (230, 31151), (269, 31076), (306, 31001), (310, 30992), (315, 30974), (374, 30875), (375, 30872), (416, 30782), (497, 30677), (554, 30581), (558, 30575), (639, 30413), (714, 30272), (725, 30227), (740, 30176), (743, 30167), (750, 30152), (759, 30140), (765, 30128), (791, 30089),

Gene: Naji_37 Start: 26474, Stop: 25350, Start Num: 150
Candidate Starts for Naji_37:
(Start: 150 @26474 has 130 MA's), (Start: 184 @26420 has 15 MA's), (Start: 212 @26351 has 6 MA's), (313, 26150), (314, 26147), (323, 26123), (348, 26087), (407, 26030), (418, 26003), (455, 25952), (476, 25919), (480, 25907), (489, 25889), (530, 25817), (551, 25799), (564, 25787), (601, 25712), (603, 25706), (610, 25685), (616, 25670), (628, 25652), (649, 25625), (716, 25514), (729, 25466), (730, 25463), (737, 25436), (739, 25430), (743, 25418), (763, 25379),

Gene: NancyRae_39 Start: 31331, Stop: 30060, Start Num: 148
Candidate Starts for NancyRae_39:
(Start: 148 @31331 has 95 MA's), (Start: 156 @31316 has 344 MA's), (204, 31214), (226, 31172), (230, 31160), (269, 31085), (306, 31010), (310, 31001), (315, 30983), (374, 30884), (375, 30881), (416, 30791), (497, 30686), (558, 30584), (568, 30566), (639, 30422), (714, 30281), (725, 30236), (740, 30185), (743, 30176), (759, 30149), (765, 30137), (791, 30098),

Gene: Nebkiss_56 Start: 37263, Stop: 38534, Start Num: 103
Candidate Starts for Nebkiss_56:
(Start: 103 @37263 has 10 MA's), (Start: 136 @37311 has 1 MA's), (Start: 162 @37350 has 1 MA's), (286, 37629), (354, 37746), (400, 37815), (401, 37818), (405, 37827), (418, 37857), (446, 37923), (468, 37959), (482, 37986), (484, 37989), (491, 38004), (495, 38010), (514, 38043), (522, 38058), (524, 38061), (526, 38064), (537, 38076), (550, 38094), (557, 38103), (583, 38145), (587, 38151), (588, 38154), (608, 38199), (650, 38271), (703, 38337), (715, 38364), (736, 38448), (737, 38451), (748, 38478), (757, 38499),

Gene: Nebs_33 Start: 26248, Stop: 25127, Start Num: 150
Candidate Starts for Nebs_33:
(Start: 105 @26293 has 3 MA's), (Start: 124 @26266 has 7 MA's), (Start: 150 @26248 has 130 MA's), (Start: 190 @26179 has 8 MA's), (Start: 212 @26125 has 6 MA's), (317, 25906), (323, 25897), (348, 25861), (400, 25819), (405, 25807), (407, 25804), (455, 25726), (530, 25591), (551, 25573), (601, 25486), (603, 25480), (610, 25459), (616, 25444), (628, 25426), (716, 25288), (729, 25240), (737, 25210), (739, 25204), (743, 25192), (763, 25153),

Gene: Nekros_81 Start: 51195, Stop: 52469, Start Num: 103
Candidate Starts for Nekros_81:
(81, 51138), (Start: 97 @51180 has 1 MA's), (Start: 103 @51195 has 10 MA's), (106, 51198), (Start: 136 @51243 has 1 MA's), (Start: 162 @51282 has 1 MA's), (338, 51663), (400, 51747), (405, 51759), (407, 51762), (468, 51891), (550, 52011), (589, 52074), (599, 52092), (608, 52116), (650, 52188), (736, 52365), (737, 52368), (739, 52374), (745, 52392), (753, 52407), (757, 52416), (759, 52419), (785, 52464),

Gene: Neobush_39 Start: 30557, Stop: 31639, Start Num: 154
Candidate Starts for Neobush_39:
(Start: 86 @30446 has 6 MA's), (Start: 154 @30557 has 64 MA's), (Start: 184 @30611 has 15 MA's), (245, 30731), (405, 30986), (418, 31016), (458, 31076), (493, 31142), (505, 31166), (721, 31496),

(727, 31523), (769, 31628),

Gene: Neroxid_33 Start: 24282, Stop: 23167, Start Num: 145
Candidate Starts for Neroxid_33:
(Start: 125 @24312 has 30 MA's), (Start: 145 @24282 has 5 MA's), (248, 24087), (261, 24060), (284, 24021), (315, 23952), (325, 23931), (370, 23865), (373, 23853), (374, 23850), (379, 23829), (408, 23769), (411, 23760), (421, 23745), (489, 23679), (497, 23664), (505, 23646), (519, 23622), (520, 23619), (568, 23568), (581, 23544), (602, 23496), (607, 23481), (614, 23460), (639, 23433), (712, 23346), (763, 23193),

Gene: Nettuno_33 Start: 26384, Stop: 27466, Start Num: 154
Candidate Starts for Nettuno_33:
(Start: 85 @26267 has 2 MA's), (Start: 86 @26273 has 6 MA's), (Start: 154 @26384 has 64 MA's), (Start: 184 @26438 has 15 MA's), (245, 26558), (405, 26813), (418, 26843), (458, 26903), (493, 26969), (505, 26993), (585, 27098), (721, 27323), (727, 27350), (769, 27455),

Gene: Neville_8 Start: 3425, Stop: 2322, Start Num: 187
Candidate Starts for Neville_8:
(174, 3452), (Start: 187 @3425 has 13 MA's), (191, 3413), (Start: 212 @3359 has 6 MA's), (222, 3344), (232, 3320), (243, 3293), (309, 3167), (361, 3095), (407, 3032), (412, 3020), (426, 2981), (471, 2897), (482, 2876), (528, 2789), (583, 2720), (589, 2708), (633, 2612), (649, 2588), (682, 2528), (707, 2492), (715, 2477), (724, 2438), (735, 2396),

Gene: NewHope4_45 Start: 32740, Stop: 33858, Start Num: 156
Candidate Starts for NewHope4_45:
(Start: 156 @32740 has 344 MA's), (223, 32878), (240, 32911), (265, 32959), (340, 33112), (351, 33121), (418, 33226), (460, 33295), (491, 33355), (498, 33367), (500, 33370), (513, 33397), (527, 33421), (557, 33448), (585, 33484), (587, 33487), (601, 33523), (603, 33529), (607, 33541), (608, 33544), (671, 33628), (678, 33643), (715, 33685), (725, 33730), (728, 33739), (739, 33778), (745, 33796), (756, 33817), (763, 33832), (769, 33841), (770, 33844),

Gene: NewKitty_38 Start: 26896, Stop: 25718, Start Num: 156
Candidate Starts for NewKitty_38:
(Start: 156 @26896 has 344 MA's), (214, 26779), (221, 26764), (279, 26659), (323, 26563), (351, 26527), (407, 26449), (457, 26362), (462, 26353), (493, 26293), (553, 26203), (608, 26098), (610, 26092), (635, 26050), (678, 25984), (715, 25933), (720, 25912), (721, 25909), (724, 25894), (770, 25774),

Gene: Nibb_43 Start: 32855, Stop: 33940, Start Num: 156
Candidate Starts for Nibb_43:
(Start: 156 @32855 has 344 MA's), (225, 32990), (240, 33017), (330, 33197), (340, 33209), (412, 33293), (457, 33362), (458, 33365), (551, 33515), (607, 33620), (671, 33707), (713, 33755), (741, 33863), (763, 33911),

Gene: Niblet_33 Start: 24668, Stop: 23484, Start Num: 148
Candidate Starts for Niblet_33:
(Start: 148 @24668 has 95 MA's), (261, 24449), (269, 24431), (371, 24239), (404, 24158), (566, 23909), (608, 23816), (612, 23804), (622, 23786), (626, 23780), (712, 23669), (720, 23633),

Gene: Nibley_75 Start: 48028, Stop: 49317, Start Num: 97
Candidate Starts for Nibley_75:
(81, 47986), (Start: 97 @48028 has 1 MA's), (Start: 103 @48043 has 10 MA's), (106, 48046), (Start: 136 @48091 has 1 MA's), (Start: 162 @48130 has 1 MA's), (338, 48511), (400, 48595), (405, 48607),

(407, 48610), (468, 48739), (550, 48859), (589, 48922), (599, 48940), (608, 48964), (650, 49036), (736, 49213), (737, 49216), (739, 49222), (745, 49240), (753, 49255), (757, 49264), (759, 49267), (785, 49312),

Gene: NicoleTera_37 Start: 27751, Stop: 26633, Start Num: 150
Candidate Starts for NicoleTera_37:
(Start: 150 @27751 has 130 MA's), (Start: 184 @27697 has 15 MA's), (Start: 212 @27628 has 6 MA's), (313, 27427), (323, 27400), (348, 27364), (400, 27322), (407, 27307), (455, 27229), (480, 27184), (551, 27076), (564, 27064), (587, 27025), (601, 26989), (603, 26983), (610, 26962), (616, 26947), (628, 26929), (649, 26902), (716, 26791), (729, 26743), (730, 26740), (737, 26713), (739, 26707), (743, 26695), (763, 26656),

Gene: NidoQ_33 Start: 25490, Stop: 26632, Start Num: 156
Candidate Starts for NidoQ_33:
(66, 25322), (73, 25346), (75, 25349), (Start: 156 @25490 has 344 MA's), (337, 25844), (340, 25850), (356, 25868), (418, 25976), (457, 26036), (505, 26129), (587, 26249), (605, 26297), (616, 26327), (678, 26423), (728, 26531), (754, 26606),

Gene: NihilNomen_82 Start: 53150, Stop: 54379, Start Num: 125
Candidate Starts for NihilNomen_82:
(Start: 125 @53150 has 30 MA's), (Start: 136 @53168 has 1 MA's), (Start: 162 @53207 has 1 MA's), (269, 53444), (317, 53552), (400, 53672), (401, 53675), (405, 53684), (412, 53699), (426, 53738), (468, 53816), (526, 53921), (537, 53933), (550, 53936), (557, 53945), (588, 53996), (589, 53999), (599, 54017), (650, 54113), (695, 54170), (736, 54290), (737, 54293), (745, 54317), (757, 54341), (759, 54344),

Gene: Nikao_39 Start: 34589, Stop: 35683, Start Num: 156
Candidate Starts for Nikao_39:
(28, 34238), (31, 34253), (47, 34346), (52, 34367), (80, 34460), (Start: 156 @34589 has 344 MA's), (Start: 184 @34640 has 15 MA's), (221, 34715), (240, 34751), (289, 34847), (300, 34865), (313, 34889), (337, 34937), (340, 34943), (432, 35075), (457, 35108), (480, 35153), (551, 35261), (607, 35366), (654, 35426), (713, 35501), (741, 35609), (757, 35645),

Gene: Niklas_43 Start: 33040, Stop: 34131, Start Num: 156
Candidate Starts for Niklas_43:
(32, 32707), (49, 32806), (51, 32815), (57, 32842), (70, 32890), (Start: 156 @33040 has 344 MA's), (221, 33166), (240, 33202), (300, 33316), (313, 33340), (340, 33394), (412, 33478), (425, 33511), (457, 33547), (458, 33550), (480, 33592), (527, 33679), (551, 33700), (607, 33808), (654, 33868), (700, 33931), (713, 33943), (741, 34051), (757, 34087),

Gene: Norvs_84 Start: 51343, Stop: 52641, Start Num: 155
Candidate Starts for Norvs_84:
(Start: 155 @51343 has 15 MA's), (188, 51409), (233, 51511), (249, 51538), (259, 51550), (274, 51580), (290, 51619), (301, 51637), (333, 51703), (342, 51712), (378, 51796), (420, 51886), (497, 52045), (500, 52051), (502, 52054), (577, 52180), (606, 52249), (646, 52327), (676, 52378), (712, 52405), (720, 52441), (721, 52444), (722, 52447), (723, 52453), (725, 52465), (727, 52471), (728, 52474), (729, 52477), (737, 52507), (758, 52555), (762, 52564), (779, 52594),

Gene: NothingSpecial_35 Start: 27853, Stop: 26801, Start Num: 190
Candidate Starts for NothingSpecial_35:
(Start: 124 @27940 has 7 MA's), (Start: 150 @27922 has 130 MA's), (Start: 190 @27853 has 8 MA's), (194, 27844), (Start: 212 @27799 has 6 MA's), (218, 27781), (230, 27754), (292, 27637), (313, 27598), (317, 27580), (323, 27571), (348, 27535), (400, 27493), (404, 27484), (407, 27478), (455, 27400),

(480, 27355), (551, 27247), (564, 27235), (601, 27160), (603, 27154), (610, 27133), (616, 27118), (628, 27100), (716, 26962), (729, 26914), (737, 26884), (739, 26878), (743, 26866), (763, 26827),

Gene: Nutello_36 Start: 31976, Stop: 33070, Start Num: 156
Candidate Starts for Nutello_36:
(28, 31625), (31, 31640), (47, 31733), (52, 31754), (80, 31847), (Start: 156 @31976 has 344 MA's), (Start: 184 @32027 has 15 MA's), (221, 32102), (240, 32138), (289, 32234), (300, 32252), (313, 32276), (337, 32324), (340, 32330), (432, 32462), (457, 32495), (480, 32540), (551, 32648), (607, 32753), (654, 32813), (713, 32888), (741, 32996), (757, 33032),

Gene: Nyilah_36 Start: 25981, Stop: 24842, Start Num: 156
Candidate Starts for Nyilah_36:
(Start: 144 @25996 has 10 MA's), (Start: 156 @25981 has 344 MA's), (317, 25660), (340, 25624), (352, 25612), (356, 25606), (412, 25513), (418, 25498), (457, 25438), (474, 25408), (505, 25345), (527, 25306), (605, 25177), (612, 25156), (616, 25147), (678, 25051), (728, 24943), (732, 24931), (754, 24868),

Gene: Nymphadora_39 Start: 32012, Stop: 33094, Start Num: 154
Candidate Starts for Nymphadora_39:
(Start: 86 @31901 has 6 MA's), (Start: 154 @32012 has 64 MA's), (Start: 184 @32066 has 15 MA's), (245, 32186), (401, 32432), (405, 32441), (418, 32471), (458, 32531), (493, 32597), (505, 32621), (721, 32951), (727, 32978), (769, 33083),

Gene: OBUpride_29 Start: 26514, Stop: 25279, Start Num: 166
Candidate Starts for OBUpride_29:
(Start: 166 @26514 has 2 MA's), (Start: 189 @26472 has 21 MA's), (213, 26406), (249, 26325), (266, 26286), (275, 26271), (277, 26265), (282, 26253), (296, 26226), (313, 26193), (345, 26136), (365, 26103), (367, 26100), (383, 26052), (406, 26010), (409, 26007), (418, 25983), (423, 25968), (434, 25944), (445, 25929), (471, 25890), (477, 25878), (496, 25839), (515, 25800), (556, 25752), (558, 25749), (601, 25677), (603, 25671), (607, 25659), (608, 25656), (610, 25650), (640, 25596), (652, 25578), (653, 25575), (668, 25548), (678, 25530), (682, 25524), (683, 25521), (713, 25479), (719, 25452), (721, 25446), (735, 25389), (763, 25326), (765, 25323),

Gene: ODay_52 Start: 33934, Stop: 35028, Start Num: 156
Candidate Starts for ODay_52:
(Start: 156 @33934 has 344 MA's), (Start: 184 @33985 has 15 MA's), (211, 34033), (223, 34063), (237, 34090), (280, 34168), (284, 34177), (412, 34369), (419, 34387), (480, 34486), (498, 34519), (500, 34522), (505, 34534), (587, 34636), (611, 34702), (632, 34729), (635, 34732), (683, 34801), (691, 34810), (721, 34861), (722, 34864), (728, 34891), (732, 34903), (770, 34996),

Gene: ObLaDi_35 Start: 30398, Stop: 29271, Start Num: 148
Candidate Starts for ObLaDi_35:
(Start: 148 @30398 has 95 MA's), (177, 30344), (226, 30239), (314, 30068), (365, 29978), (378, 29942), (485, 29789), (498, 29765), (568, 29669), (639, 29537), (666, 29492), (717, 29420), (763, 29294),

Gene: Obama12_34 Start: 26520, Stop: 25468, Start Num: 190
Candidate Starts for Obama12_34:
(Start: 105 @26634 has 3 MA's), (Start: 124 @26607 has 7 MA's), (Start: 150 @26589 has 130 MA's), (Start: 190 @26520 has 8 MA's), (Start: 212 @26466 has 6 MA's), (317, 26247), (323, 26238), (348, 26202), (400, 26160), (405, 26148), (407, 26145), (530, 25932), (551, 25914), (601, 25827), (603, 25821), (610, 25800), (616, 25785), (628, 25767), (716, 25629), (729, 25581), (737, 25551), (739, 25545), (743, 25533), (763, 25494),

Gene: Octobien14_6 Start: 2858, Stop: 1764, Start Num: 183
Candidate Starts for Octobien14_6:
(Start: 86 @3011 has 6 MA's), (Start: 183 @2858 has 4 MA's), (311, 2582), (385, 2495), (507, 2282), (518, 2264), (544, 2225), (596, 2141), (609, 2105), (621, 2084), (625, 2078), (672, 2003), (706, 1952), (725, 1883), (728, 1874), (736, 1844), (737, 1841),

Gene: Odette_80 Start: 52249, Stop: 53421, Start Num: 162
Candidate Starts for Odette_80:
(Start: 125 @52192 has 30 MA's), (Start: 136 @52210 has 1 MA's), (Start: 162 @52249 has 1 MA's), (269, 52486), (317, 52594), (400, 52714), (401, 52717), (405, 52726), (412, 52741), (426, 52780), (468, 52858), (526, 52963), (537, 52975), (550, 52978), (557, 52987), (588, 53038), (589, 53041), (599, 53059), (650, 53155), (695, 53212), (736, 53332), (737, 53335), (745, 53359), (757, 53383), (759, 53386),

Gene: Odin_33 Start: 25191, Stop: 24076, Start Num: 154
Candidate Starts for Odin_33:
(Start: 154 @25191 has 64 MA's), (Start: 184 @25143 has 15 MA's), (198, 25110), (Start: 212 @25074 has 6 MA's), (230, 25029), (315, 24861), (323, 24846), (348, 24810), (400, 24768), (405, 24756), (407, 24753), (476, 24642), (551, 24522), (564, 24510), (576, 24489), (601, 24435), (610, 24408), (616, 24393), (628, 24375), (649, 24348), (729, 24189), (737, 24159), (739, 24153), (743, 24141), (763, 24102), (769, 24093),

Gene: Ohfah_33 Start: 26248, Stop: 25127, Start Num: 150
Candidate Starts for Ohfah_33:
(Start: 105 @26293 has 3 MA's), (Start: 124 @26266 has 7 MA's), (Start: 150 @26248 has 130 MA's), (Start: 190 @26179 has 8 MA's), (Start: 212 @26125 has 6 MA's), (317, 25906), (323, 25897), (348, 25861), (400, 25819), (405, 25807), (407, 25804), (455, 25726), (530, 25591), (551, 25573), (601, 25486), (603, 25480), (610, 25459), (616, 25444), (628, 25426), (716, 25288), (729, 25240), (737, 25210), (739, 25204), (743, 25192), (763, 25153),

Gene: Ohgeesy_38 Start: 32336, Stop: 31074, Start Num: 148
Candidate Starts for Ohgeesy_38:
(Start: 148 @32336 has 95 MA's), (218, 32180), (314, 31997), (328, 31961), (371, 31901), (374, 31889), (390, 31844), (409, 31811), (424, 31769), (558, 31601), (561, 31598), (601, 31523), (607, 31505), (608, 31502), (639, 31445), (708, 31328), (712, 31316), (725, 31259), (743, 31199), (750, 31184), (759, 31172), (763, 31163), (786, 31124),

Gene: Okabe_39 Start: 27938, Stop: 29056, Start Num: 156
Candidate Starts for Okabe_39:
(Start: 156 @27938 has 344 MA's), (240, 28109), (317, 28274), (340, 28310), (351, 28319), (418, 28424), (460, 28493), (480, 28532), (491, 28553), (498, 28565), (500, 28568), (505, 28580), (527, 28619), (536, 28625), (557, 28646), (585, 28682), (587, 28685), (601, 28721), (603, 28727), (608, 28742), (614, 28757), (671, 28826), (678, 28841), (698, 28859), (725, 28928), (728, 28937), (739, 28976), (745, 28994), (756, 29015), (763, 29030), (769, 29039), (770, 29042),

Gene: OlanP_35 Start: 26824, Stop: 25679, Start Num: 150
Candidate Starts for OlanP_35:
(Start: 102 @26887 has 2 MA's), (Start: 150 @26824 has 130 MA's), (Start: 184 @26770 has 15 MA's), (Start: 212 @26701 has 6 MA's), (277, 26572), (294, 26536), (317, 26482), (323, 26473), (348, 26437), (407, 26380), (455, 26302), (476, 26269), (530, 26167), (551, 26149), (564, 26137), (601, 26062), (603, 26056), (610, 26035), (616, 26020), (628, 26002), (662, 25951), (728, 25819), (729, 25816), (737, 25786), (739, 25780), (743, 25768), (763, 25729),

Gene: Ollie_36 Start: 26621, Stop: 25515, Start Num: 175
Candidate Starts for Ollie_36:
(Start: 150 @26660 has 130 MA's), (Start: 175 @26621 has 11 MA's), (Start: 212 @26537 has 6 MA's), (230, 26492), (313, 26336), (323, 26309), (348, 26273), (407, 26216), (455, 26138), (471, 26114), (489, 26075), (530, 26003), (547, 25991), (551, 25985), (564, 25973), (601, 25898), (603, 25892), (610, 25871), (616, 25856), (628, 25838), (716, 25700), (728, 25655), (729, 25652), (732, 25643), (737, 25622), (739, 25616), (743, 25604), (763, 25565),

Gene: Omega_85 Start: 53296, Stop: 54570, Start Num: 103
Candidate Starts for Omega_85:
(81, 53239), (Start: 97 @53281 has 1 MA's), (Start: 103 @53296 has 10 MA's), (106, 53299), (Start: 136 @53344 has 1 MA's), (Start: 162 @53383 has 1 MA's), (338, 53764), (400, 53848), (405, 53860), (407, 53863), (468, 53992), (550, 54112), (589, 54175), (599, 54193), (608, 54217), (650, 54289), (736, 54466), (737, 54469), (739, 54475), (745, 54493), (753, 54508), (757, 54517), (759, 54520), (785, 54565),

Gene: OneDirection_30 Start: 24794, Stop: 25876, Start Num: 154
Candidate Starts for OneDirection_30:
(Start: 86 @24683 has 6 MA's), (Start: 154 @24794 has 64 MA's), (168, 24821), (Start: 184 @24848 has 15 MA's), (245, 24968), (405, 25223), (458, 25313), (493, 25379), (505, 25403), (721, 25733), (724, 25748), (727, 25760), (741, 25808), (769, 25865),

Gene: OnionKnight_30 Start: 24231, Stop: 22948, Start Num: 127
Candidate Starts for OnionKnight_30:
(Start: 127 @24231 has 1 MA's), (168, 24165), (241, 24003), (285, 23898), (357, 23781), (384, 23754), (395, 23733), (403, 23718), (470, 23586), (491, 23544), (526, 23478), (532, 23469), (569, 23418), (580, 23400), (593, 23370), (598, 23361), (608, 23331), (636, 23286), (690, 23193), (713, 23151), (716, 23133), (721, 23118), (728, 23088), (732, 23076), (738, 23052), (752, 23019), (757, 23007), (761, 22998), (763, 22995), (787, 22953),

Gene: Oppalora_35 Start: 23914, Stop: 22721, Start Num: 148
Candidate Starts for Oppalora_35:
(Start: 148 @23914 has 95 MA's), (371, 23485), (390, 23428), (404, 23404), (551, 23176), (612, 23050), (618, 23038), (632, 23017), (720, 22879), (743, 22798), (770, 22750),

Gene: Optimus_79 Start: 51901, Stop: 53130, Start Num: 125
Candidate Starts for Optimus_79:
(Start: 125 @51901 has 30 MA's), (Start: 136 @51919 has 1 MA's), (Start: 162 @51958 has 1 MA's), (269, 52195), (317, 52303), (400, 52423), (401, 52426), (405, 52435), (412, 52450), (426, 52489), (468, 52567), (526, 52672), (537, 52684), (550, 52687), (557, 52696), (588, 52747), (589, 52750), (599, 52768), (650, 52864), (695, 52921), (736, 53041), (737, 53044), (745, 53068), (757, 53092), (759, 53095),

Gene: Orcanus_34 Start: 24639, Stop: 23455, Start Num: 148
Candidate Starts for Orcanus_34:
(Start: 148 @24639 has 95 MA's), (261, 24420), (269, 24402), (325, 24285), (371, 24210), (374, 24198), (566, 23880), (608, 23787), (612, 23775), (622, 23757), (712, 23640), (720, 23604),

Gene: Oregano_39 Start: 29184, Stop: 30311, Start Num: 156
Candidate Starts for Oregano_39:
(54, 28965), (61, 29001), (Start: 156 @29184 has 344 MA's), (Start: 184 @29238 has 15 MA's), (237, 29361), (257, 29394), (302, 29484), (315, 29517), (457, 29712), (458, 29715), (480, 29757), (500,

29793), (688, 30090), (732, 30210), (739, 30237), (769, 30300),

Gene: Oscar_45 Start: 33597, Stop: 34682, Start Num: 156
Candidate Starts for Oscar_45:
(17, 32994), (19, 33012), (22, 33090), (30, 33261), (44, 33336), (52, 33375), (66, 33429), (Start: 156 @33597 has 344 MA's), (225, 33732), (240, 33759), (313, 33897), (330, 33939), (340, 33951), (412, 34035), (457, 34104), (458, 34107), (480, 34149), (551, 34257), (607, 34362), (671, 34449), (713, 34497), (741, 34605), (763, 34653),

Gene: OtsoOtso_37 Start: 23869, Stop: 22682, Start Num: 148
Candidate Starts for OtsoOtso_37:
(87, 23959), (Start: 148 @23869 has 95 MA's), (371, 23440), (612, 23005), (712, 22870),

Gene: Ovechkin_41 Start: 32949, Stop: 34067, Start Num: 156
Candidate Starts for Ovechkin_41:
(Start: 156 @32949 has 344 MA's), (Start: 162 @32958 has 1 MA's), (240, 33120), (317, 33285), (340, 33321), (351, 33330), (418, 33435), (460, 33504), (489, 33561), (491, 33564), (498, 33576), (500, 33579), (505, 33591), (527, 33630), (557, 33657), (585, 33693), (587, 33696), (601, 33732), (603, 33738), (608, 33753), (614, 33768), (671, 33837), (678, 33852), (715, 33894), (725, 33939), (728, 33948), (739, 33987), (745, 34005), (756, 34026), (763, 34041), (769, 34050), (770, 34053),

Gene: P28Green_36 Start: 26792, Stop: 25647, Start Num: 150
Candidate Starts for P28Green_36:
(Start: 150 @26792 has 130 MA's), (Start: 175 @26753 has 11 MA's), (198, 26705), (Start: 212 @26669 has 6 MA's), (230, 26624), (313, 26468), (323, 26441), (348, 26405), (407, 26348), (455, 26270), (471, 26246), (489, 26207), (530, 26135), (547, 26123), (551, 26117), (564, 26105), (601, 26030), (603, 26024), (610, 26003), (616, 25988), (628, 25970), (647, 25946), (716, 25832), (728, 25787), (729, 25784), (732, 25775), (737, 25754), (739, 25748), (743, 25736), (763, 25697),

Gene: PFR1_26 Start: 22175, Stop: 21039, Start Num: 207
Candidate Starts for PFR1_26:
(170, 22253), (207, 22175), (209, 22166), (285, 22031), (287, 22025), (302, 21998), (310, 21986), (311, 21983), (316, 21965), (356, 21902), (388, 21818), (399, 21797), (428, 21728), (475, 21638), (486, 21614), (510, 21566), (542, 21509), (560, 21482), (569, 21464), (585, 21437), (601, 21398), (620, 21350), (674, 21263), (690, 21251), (712, 21233), (722, 21191), (724, 21179), (727, 21167), (731, 21155), (733, 21140),

Gene: PFR2_28 Start: 23744, Stop: 22608, Start Num: 207
Candidate Starts for PFR2_28:
(170, 23822), (207, 23744), (209, 23735), (285, 23600), (287, 23594), (302, 23567), (310, 23555), (311, 23552), (316, 23534), (356, 23471), (388, 23387), (399, 23366), (428, 23297), (475, 23207), (486, 23183), (510, 23135), (542, 23078), (560, 23051), (569, 23033), (585, 23006), (601, 22967), (620, 22919), (674, 22832), (690, 22820), (712, 22802), (722, 22760), (724, 22748), (727, 22736), (731, 22724), (733, 22709),

Gene: PGHhamlin_38 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for PGHhamlin_38:
(Start: 150 @26782 has 130 MA's), (Start: 175 @26743 has 11 MA's), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (323, 26431), (348, 26395), (407, 26338), (455, 26260), (471, 26236), (489, 26197), (530, 26125), (547, 26113), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (647, 25936), (716, 25822), (728, 25777), (729, 25774), (732, 25765), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Padfoot_41 Start: 32792, Stop: 33880, Start Num: 156
Candidate Starts for Padfoot_41:
(Start: 156 @32792 has 344 MA's), (Start: 212 @32894 has 6 MA's), (221, 32918), (240, 32954), (313, 33092), (412, 33230), (457, 33299), (458, 33302), (551, 33452), (607, 33557), (713, 33692),

Gene: Padpat_42 Start: 32470, Stop: 33558, Start Num: 156
Candidate Starts for Padpat_42:
(Start: 156 @32470 has 344 MA's), (Start: 184 @32521 has 15 MA's), (Start: 212 @32572 has 6 MA's), (221, 32596), (240, 32632), (313, 32770), (340, 32824), (412, 32908), (457, 32977), (458, 32980), (551, 33130), (597, 33208), (607, 33235), (671, 33322), (713, 33370),

Gene: PantheRoc_37 Start: 30354, Stop: 29092, Start Num: 148
Candidate Starts for PantheRoc_37:
(Start: 148 @30354 has 95 MA's), (218, 30198), (314, 30015), (328, 29979), (371, 29919), (374, 29907), (390, 29862), (409, 29829), (424, 29787), (558, 29619), (561, 29616), (601, 29541), (607, 29523), (608, 29520), (639, 29463), (708, 29346), (712, 29334), (725, 29277), (743, 29217), (750, 29202), (759, 29190), (763, 29181), (786, 29142),

Gene: Parada_39 Start: 31322, Stop: 30051, Start Num: 148
Candidate Starts for Parada_39:
(Start: 148 @31322 has 95 MA's), (Start: 156 @31307 has 344 MA's), (204, 31205), (226, 31163), (230, 31151), (269, 31076), (306, 31001), (310, 30992), (315, 30974), (374, 30875), (375, 30872), (416, 30782), (497, 30677), (554, 30581), (558, 30575), (639, 30413), (714, 30272), (725, 30227), (740, 30176), (743, 30167), (750, 30152), (759, 30140), (765, 30128), (791, 30089),

Gene: PatoPoderoso_41 Start: 32437, Stop: 33546, Start Num: 162
Candidate Starts for PatoPoderoso_41:
(Start: 156 @32428 has 344 MA's), (Start: 162 @32437 has 1 MA's), (240, 32599), (317, 32764), (340, 32800), (351, 32809), (418, 32914), (460, 32983), (480, 33022), (489, 33040), (491, 33043), (498, 33055), (500, 33058), (505, 33070), (513, 33085), (527, 33109), (536, 33115), (557, 33136), (585, 33172), (587, 33175), (601, 33211), (603, 33217), (608, 33232), (614, 33247), (671, 33316), (678, 33331), (715, 33373), (725, 33418), (728, 33427), (732, 33439), (739, 33466), (745, 33484), (756, 33505), (763, 33520), (769, 33529), (770, 33532),

Gene: Pawn_35 Start: 26644, Stop: 25499, Start Num: 150
Candidate Starts for Pawn_35:
(Start: 102 @26707 has 2 MA's), (Start: 150 @26644 has 130 MA's), (Start: 184 @26590 has 15 MA's), (Start: 212 @26521 has 6 MA's), (317, 26302), (323, 26293), (348, 26257), (407, 26200), (455, 26122), (476, 26089), (530, 25987), (551, 25969), (564, 25957), (601, 25882), (603, 25876), (610, 25855), (616, 25840), (628, 25822), (647, 25798), (728, 25639), (729, 25636), (737, 25606), (739, 25600), (743, 25588), (763, 25549),

Gene: Peanam_43 Start: 33014, Stop: 34105, Start Num: 156
Candidate Starts for Peanam_43:
(11, 32333), (21, 32477), (32, 32681), (49, 32780), (51, 32789), (57, 32816), (70, 32864), (Start: 156 @33014 has 344 MA's), (221, 33140), (240, 33176), (300, 33290), (313, 33314), (340, 33368), (412, 33452), (425, 33485), (457, 33521), (458, 33524), (480, 33566), (527, 33653), (551, 33674), (607, 33782), (654, 33842), (700, 33905), (713, 33917), (741, 34025), (757, 34061),

Gene: Peas_35 Start: 27040, Stop: 28182, Start Num: 156
Candidate Starts for Peas_35:
(Start: 156 @27040 has 344 MA's), (337, 27394), (340, 27400), (354, 27415), (391, 27469), (418, 27526), (457, 27586), (474, 27616), (505, 27679), (587, 27799), (605, 27847), (678, 27973), (686,

27985), (728, 28081), (754, 28156),

Gene: Peel_41 Start: 32597, Stop: 33685, Start Num: 156
Candidate Starts for Peel_41:
(16, 31994), (24, 32171), (43, 32336), (52, 32375), (Start: 156 @32597 has 344 MA's), (Start: 184 @32648 has 15 MA's), (Start: 212 @32699 has 6 MA's), (221, 32723), (240, 32759), (313, 32897), (412, 33035), (457, 33104), (458, 33107), (551, 33257), (607, 33362), (713, 33497),

Gene: Pelletreau_41 Start: 25089, Stop: 23905, Start Num: 148
Candidate Starts for Pelletreau_41:
(Start: 148 @25089 has 95 MA's), (261, 24870), (269, 24852), (325, 24735), (371, 24660), (566, 24330), (608, 24237), (612, 24225), (622, 24207), (712, 24090), (720, 24054),

Gene: Pembroke_36 Start: 26791, Stop: 25646, Start Num: 150
Candidate Starts for Pembroke_36:
(Start: 150 @26791 has 130 MA's), (Start: 175 @26752 has 11 MA's), (Start: 212 @26668 has 6 MA's), (230, 26623), (313, 26467), (323, 26440), (348, 26404), (407, 26347), (455, 26269), (471, 26245), (489, 26206), (530, 26134), (547, 26122), (551, 26116), (564, 26104), (601, 26029), (603, 26023), (610, 26002), (616, 25987), (628, 25969), (647, 25945), (716, 25831), (728, 25786), (729, 25783), (732, 25774), (737, 25753), (739, 25747), (743, 25735), (763, 25696),

Gene: Penny1_36 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for Penny1_36:
(Start: 150 @26790 has 130 MA's), (Start: 175 @26751 has 11 MA's), (198, 26703), (Start: 212 @26667 has 6 MA's), (230, 26622), (313, 26466), (323, 26439), (348, 26403), (407, 26346), (455, 26268), (471, 26244), (489, 26205), (530, 26133), (547, 26121), (551, 26115), (564, 26103), (601, 26028), (603, 26022), (610, 26001), (616, 25986), (628, 25968), (647, 25944), (716, 25830), (728, 25785), (729, 25782), (732, 25773), (737, 25752), (739, 25746), (743, 25734), (763, 25695),

Gene: Pepperoni_32 Start: 25939, Stop: 27021, Start Num: 154
Candidate Starts for Pepperoni_32:
(Start: 154 @25939 has 64 MA's), (Start: 184 @25993 has 15 MA's), (245, 26113), (418, 26398), (458, 26458), (493, 26524), (505, 26548), (585, 26653), (610, 26719), (721, 26878), (727, 26905), (741, 26953), (769, 27010),

Gene: Periwinkle_57 Start: 34837, Stop: 35922, Start Num: 156
Candidate Starts for Periwinkle_57:
(94, 34750), (117, 34786), (Start: 156 @34837 has 344 MA's), (Start: 184 @34888 has 15 MA's), (211, 34936), (223, 34966), (237, 34993), (284, 35080), (317, 35152), (340, 35188), (351, 35197), (412, 35272), (419, 35290), (480, 35389), (498, 35422), (500, 35425), (505, 35437), (548, 35488), (587, 35539), (611, 35605), (683, 35704), (721, 35764), (727, 35791), (739, 35833), (770, 35899),

Gene: Persistence_35 Start: 26237, Stop: 25068, Start Num: 156
Candidate Starts for Persistence_35:
(89, 26342), (Start: 111 @26303 has 3 MA's), (Start: 156 @26237 has 344 MA's), (Start: 184 @26186 has 15 MA's), (270, 26018), (279, 26000), (323, 25904), (351, 25868), (407, 25790), (457, 25703), (462, 25694), (493, 25634), (553, 25544), (608, 25439), (610, 25433), (635, 25391), (715, 25274), (720, 25253), (721, 25250), (724, 25235), (739, 25181), (790, 25085),

Gene: PetriParty_38 Start: 28492, Stop: 27353, Start Num: 164
Candidate Starts for PetriParty_38:
(Start: 164 @28492 has 4 MA's), (198, 28426), (228, 28351), (238, 28330), (263, 28285), (302, 28201), (327, 28144), (336, 28126), (390, 28090), (405, 28060), (412, 28045), (417, 28033), (424, 28012),

(457, 27976), (458, 27973), (471, 27952), (491, 27910), (493, 27907), (505, 27883), (530, 27844), (551, 27826), (609, 27718), (646, 27667), (694, 27595), (724, 27526), (725, 27520), (726, 27517), (746, 27454), (784, 27385), (788, 27379),

Gene: Ph8s_35 Start: 25309, Stop: 24314, Start Num: 212
Candidate Starts for Ph8s_35:
(Start: 154 @25426 has 64 MA's), (198, 25345), (Start: 212 @25309 has 6 MA's), (230, 25264), (315, 25096), (323, 25081), (348, 25045), (400, 25003), (405, 24991), (407, 24988), (417, 24964), (474, 24880), (530, 24775), (551, 24757), (564, 24745), (576, 24724), (601, 24670), (610, 24643), (616, 24628), (628, 24610), (649, 24583), (716, 24472), (729, 24424), (737, 24394), (739, 24388), (743, 24376), (763, 24337),

Gene: Phabuloso_48 Start: 32389, Stop: 33486, Start Num: 156
Candidate Starts for Phabuloso_48:
(Start: 156 @32389 has 344 MA's), (Start: 184 @32440 has 15 MA's), (223, 32518), (237, 32545), (284, 32632), (317, 32704), (340, 32740), (351, 32749), (412, 32824), (419, 32842), (433, 32869), (480, 32941), (498, 32974), (500, 32977), (505, 32989), (683, 33256), (721, 33316), (727, 33343), (741, 33391), (745, 33403), (770, 33451),

Gene: Phaded_37 Start: 28341, Stop: 27214, Start Num: 150
Candidate Starts for Phaded_37:
(Start: 150 @28341 has 130 MA's), (Start: 175 @28305 has 11 MA's), (Start: 212 @28221 has 6 MA's), (230, 28176), (298, 28047), (315, 28008), (348, 27957), (430, 27846), (455, 27822), (476, 27789), (480, 27777), (551, 27669), (554, 27666), (601, 27582), (603, 27576), (610, 27555), (616, 27540), (628, 27522), (729, 27336), (737, 27306), (739, 27300), (743, 27288), (763, 27249), (780, 27225),

Gene: Phalconet_41 Start: 31939, Stop: 33057, Start Num: 156
Candidate Starts for Phalconet_41:
(Start: 156 @31939 has 344 MA's), (Start: 162 @31948 has 1 MA's), (240, 32110), (317, 32275), (340, 32311), (351, 32320), (460, 32494), (480, 32533), (491, 32554), (498, 32566), (500, 32569), (505, 32581), (527, 32620), (536, 32626), (557, 32647), (585, 32683), (587, 32686), (601, 32722), (603, 32728), (608, 32743), (671, 32827), (678, 32842), (698, 32860), (725, 32929), (728, 32938), (739, 32977), (745, 32995), (756, 33016), (763, 33031), (769, 33040), (770, 33043),

Gene: Phanphagia_37 Start: 31053, Stop: 32171, Start Num: 156
Candidate Starts for Phanphagia_37:
(Start: 156 @31053 has 344 MA's), (Start: 162 @31062 has 1 MA's), (240, 31224), (317, 31389), (340, 31425), (351, 31434), (418, 31539), (460, 31608), (480, 31647), (489, 31665), (491, 31668), (498, 31680), (500, 31683), (505, 31695), (513, 31710), (527, 31734), (536, 31740), (557, 31761), (585, 31797), (587, 31800), (601, 31836), (603, 31842), (608, 31857), (614, 31872), (671, 31941), (678, 31956), (715, 31998), (725, 32043), (728, 32052), (732, 32064), (739, 32091), (745, 32109), (756, 32130), (763, 32145), (769, 32154), (770, 32157),

Gene: Phantastic_33 Start: 26109, Stop: 24964, Start Num: 130
Candidate Starts for Phantastic_33:
(Start: 130 @26109 has 2 MA's), (Start: 140 @26100 has 7 MA's), (Start: 212 @25965 has 6 MA's), (230, 25920), (318, 25743), (323, 25737), (330, 25722), (348, 25701), (407, 25644), (455, 25566), (489, 25503), (551, 25413), (564, 25401), (601, 25326), (610, 25299), (616, 25284), (628, 25266), (647, 25242), (716, 25128), (729, 25080), (737, 25050), (739, 25044), (743, 25032), (753, 25011), (763, 24993),

Gene: Pharaoh_32 Start: 27018, Stop: 25882, Start Num: 140

Candidate Starts for Pharaoh_32:
(114, 27054), (116, 27051), (Start: 140 @27018 has 7 MA's), (Start: 190 @26937 has 8 MA's), (Start: 212 @26883 has 6 MA's), (230, 26838), (323, 26655), (348, 26619), (405, 26565), (407, 26562), (412, 26550), (455, 26484), (474, 26454), (480, 26439), (530, 26349), (551, 26331), (564, 26319), (601, 26244), (603, 26238), (610, 26217), (616, 26202), (628, 26184), (644, 26163), (649, 26157), (716, 26046), (729, 25998), (737, 25968), (739, 25962), (743, 25950), (763, 25911),

Gene: Phelipe_33 Start: 26296, Stop: 25130, Start Num: 105
Candidate Starts for Phelipe_33:
(Start: 105 @26296 has 3 MA's), (Start: 124 @26269 has 7 MA's), (Start: 150 @26251 has 130 MA's), (Start: 190 @26182 has 8 MA's), (194, 26173), (Start: 212 @26128 has 6 MA's), (317, 25909), (323, 25900), (348, 25864), (400, 25822), (405, 25810), (407, 25807), (455, 25729), (530, 25594), (551, 25576), (601, 25489), (610, 25462), (616, 25447), (628, 25429), (716, 25291), (729, 25243), (737, 25213), (739, 25207), (743, 25195), (763, 25156),

Gene: PhesterPhotato_44 Start: 32894, Stop: 34012, Start Num: 156
Candidate Starts for PhesterPhotato_44:
(Start: 156 @32894 has 344 MA's), (Start: 162 @32903 has 1 MA's), (240, 33065), (317, 33230), (340, 33266), (351, 33275), (460, 33449), (480, 33488), (491, 33509), (498, 33521), (500, 33524), (505, 33536), (527, 33575), (536, 33581), (557, 33602), (585, 33638), (587, 33641), (601, 33677), (603, 33683), (608, 33698), (671, 33782), (678, 33797), (698, 33815), (725, 33884), (728, 33893), (739, 33932), (745, 33950), (756, 33971), (763, 33986), (769, 33995), (770, 33998),

Gene: Philus_43 Start: 31979, Stop: 33097, Start Num: 156
Candidate Starts for Philus_43:
(Start: 156 @31979 has 344 MA's), (223, 32117), (240, 32150), (265, 32198), (317, 32315), (340, 32351), (351, 32360), (418, 32465), (460, 32534), (491, 32594), (498, 32606), (500, 32609), (505, 32621), (513, 32636), (527, 32660), (536, 32666), (557, 32687), (585, 32723), (587, 32726), (601, 32762), (603, 32768), (607, 32780), (608, 32783), (671, 32867), (678, 32882), (715, 32924), (725, 32969), (728, 32978), (739, 33017), (745, 33035), (756, 33056), (763, 33071), (769, 33080), (770, 33083),

Gene: PhinkBoden_83 Start: 51724, Stop: 53022, Start Num: 155
Candidate Starts for PhinkBoden_83:
(Start: 155 @51724 has 15 MA's), (188, 51790), (233, 51892), (249, 51919), (259, 51931), (274, 51961), (290, 52000), (301, 52018), (333, 52084), (342, 52093), (378, 52177), (420, 52267), (497, 52426), (500, 52432), (502, 52435), (577, 52561), (606, 52630), (646, 52708), (676, 52759), (712, 52786), (720, 52822), (721, 52825), (722, 52828), (723, 52834), (725, 52846), (727, 52852), (728, 52855), (729, 52858), (737, 52888), (758, 52936), (762, 52945), (779, 52975),

Gene: PhirstandPhine_38 Start: 24639, Stop: 23452, Start Num: 148
Candidate Starts for PhirstandPhine_38:
(87, 24729), (Start: 148 @24639 has 95 MA's), (612, 23775), (712, 23640), (772, 23472),

Gene: PhishRPhriends_34 Start: 25821, Stop: 24682, Start Num: 150
Candidate Starts for PhishRPhriends_34:
(Start: 102 @25884 has 2 MA's), (Start: 150 @25821 has 130 MA's), (Start: 184 @25767 has 15 MA's), (Start: 212 @25698 has 6 MA's), (317, 25479), (323, 25470), (348, 25434), (407, 25377), (455, 25299), (476, 25266), (530, 25164), (551, 25146), (564, 25134), (601, 25059), (603, 25053), (610, 25032), (616, 25017), (628, 24999), (647, 24975), (728, 24816), (729, 24813), (737, 24783), (739, 24777), (743, 24765), (763, 24726),

Gene: Phistory_51 Start: 33096, Stop: 34193, Start Num: 156

Candidate Starts for Phistory_51:
(94, 33009), (117, 33045), (Start: 156 @33096 has 344 MA's), (Start: 184 @33147 has 15 MA's), (223, 33225), (237, 33252), (265, 33297), (284, 33339), (412, 33531), (419, 33549), (433, 33576), (480, 33648), (491, 33669), (495, 33675), (505, 33696), (557, 33768), (603, 33852), (683, 33975), (718, 34026), (721, 34035), (727, 34062), (770, 34170), (781, 34185),

Gene: PhluffyCoco_36 Start: 23912, Stop: 22719, Start Num: 148
Candidate Starts for PhluffyCoco_36:
(Start: 148 @23912 has 95 MA's), (371, 23483), (390, 23426), (551, 23174), (612, 23048), (618, 23036), (720, 22877), (743, 22796), (770, 22748),

Gene: Phoebe_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for Phoebe_36:
(Start: 150 @26782 has 130 MA's), (Start: 175 @26743 has 11 MA's), (198, 26695), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (323, 26431), (348, 26395), (407, 26338), (455, 26260), (471, 26236), (489, 26197), (530, 26125), (547, 26113), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (647, 25936), (716, 25822), (728, 25777), (729, 25774), (732, 25765), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Phoebus_84 Start: 54332, Stop: 55561, Start Num: 125
Candidate Starts for Phoebus_84:
(Start: 125 @54332 has 30 MA's), (Start: 136 @54350 has 1 MA's), (Start: 162 @54389 has 1 MA's), (269, 54626), (317, 54734), (400, 54854), (401, 54857), (405, 54866), (412, 54881), (426, 54920), (468, 54998), (526, 55103), (537, 55115), (550, 55118), (557, 55127), (588, 55178), (589, 55181), (599, 55199), (650, 55295), (695, 55352), (736, 55472), (737, 55475), (745, 55499), (757, 55523), (759, 55526),

Gene: PhorbesPhlower_33 Start: 25600, Stop: 26682, Start Num: 154
Candidate Starts for PhorbesPhlower_33:
(Start: 86 @25489 has 6 MA's), (Start: 154 @25600 has 64 MA's), (Start: 184 @25654 has 15 MA's), (245, 25774), (317, 25921), (458, 26119), (493, 26185), (505, 26209), (721, 26539), (727, 26566), (769, 26671), (770, 26674),

Gene: Phrank15_39 Start: 27192, Stop: 26020, Start Num: 156
Candidate Starts for Phrank15_39:
(116, 27249), (Start: 156 @27192 has 344 MA's), (Start: 184 @27141 has 15 MA's), (270, 26973), (279, 26955), (351, 26823), (407, 26745), (412, 26733), (413, 26727), (457, 26658), (462, 26649), (493, 26589), (553, 26499), (608, 26394), (618, 26373), (635, 26346), (715, 26223), (721, 26199), (724, 26184), (770, 26064), (786, 26037),

Gene: Phranny_36 Start: 26629, Stop: 25490, Start Num: 150
Candidate Starts for Phranny_36:
(Start: 102 @26692 has 2 MA's), (Start: 150 @26629 has 130 MA's), (Start: 184 @26575 has 15 MA's), (Start: 212 @26506 has 6 MA's), (317, 26287), (323, 26278), (348, 26242), (407, 26185), (455, 26107), (476, 26074), (530, 25972), (551, 25954), (564, 25942), (601, 25867), (603, 25861), (610, 25840), (616, 25825), (628, 25807), (647, 25783), (728, 25624), (729, 25621), (737, 25591), (739, 25585), (743, 25573), (763, 25534),

Gene: Phrappuccino_38 Start: 20588, Stop: 21727, Start Num: 156
Candidate Starts for Phrappuccino_38:
(Start: 156 @20588 has 344 MA's), (185, 20642), (Start: 215 @20714 has 1 MA's), (340, 20966), (351, 20975), (405, 21065), (412, 21080), (457, 21158), (493, 21227), (500, 21239), (551, 21311), (589, 21362), (591, 21365), (603, 21401), (639, 21452), (671, 21500), (673, 21506), (678, 21515), (724,

21596), (755, 21689), (761, 21701), (769, 21713),

Gene: PhriskyACE_36 Start: 30974, Stop: 29805, Start Num: 148
Candidate Starts for PhriskyACE_36:
(Start: 148 @30974 has 95 MA's), (227, 30812), (310, 30650), (315, 30632), (362, 30566), (370, 30548), (371, 30545), (374, 30533), (390, 30488), (412, 30449), (416, 30440), (423, 30419), (424, 30416), (498, 30332), (500, 30329), (536, 30272), (616, 30137), (639, 30101), (658, 30071), (712, 30014), (714, 30002), (717, 29987), (743, 29897), (750, 29882), (763, 29861), (786, 29822), (790, 29813),

Gene: Piatt_41 Start: 32792, Stop: 33880, Start Num: 156
Candidate Starts for Piatt_41:
(Start: 156 @32792 has 344 MA's), (Start: 212 @32894 has 6 MA's), (221, 32918), (240, 32954), (313, 33092), (412, 33230), (457, 33299), (458, 33302), (551, 33452), (607, 33557), (713, 33692),

Gene: Pickett_32 Start: 24860, Stop: 25942, Start Num: 154
Candidate Starts for Pickett_32:
(Start: 154 @24860 has 64 MA's), (Start: 184 @24914 has 15 MA's), (245, 25034), (418, 25319), (458, 25379), (493, 25445), (505, 25469), (721, 25799), (727, 25826), (769, 25931),

Gene: Pigu_30 Start: 23069, Stop: 24265, Start Num: 158
Candidate Starts for Pigu_30:
(34, 22745), (36, 22754), (40, 22775), (69, 22910), (107, 22994), (Start: 158 @23069 has 2 MA's), (Start: 184 @23120 has 15 MA's), (197, 23153), (219, 23216), (261, 23300), (293, 23372), (307, 23396), (315, 23423), (325, 23444), (381, 23507), (417, 23555), (422, 23570), (440, 23606), (450, 23633), (529, 23786), (604, 23921), (678, 24041), (718, 24098), (737, 24170), (764, 24221),

Gene: Pimento_39 Start: 30980, Stop: 29709, Start Num: 148
Candidate Starts for Pimento_39:
(132, 31004), (Start: 148 @30980 has 95 MA's), (Start: 156 @30965 has 344 MA's), (204, 30863), (226, 30821), (230, 30809), (269, 30734), (306, 30659), (310, 30650), (315, 30632), (374, 30533), (375, 30530), (416, 30440), (491, 30344), (497, 30335), (554, 30239), (568, 30215), (639, 30071), (714, 29930), (725, 29885), (740, 29834), (743, 29825), (750, 29810), (759, 29798), (765, 29786), (791, 29747),

Gene: Pineda_38 Start: 24165, Stop: 22978, Start Num: 148
Candidate Starts for Pineda_38:
(87, 24255), (Start: 148 @24165 has 95 MA's), (371, 23736), (612, 23301), (712, 23166),

Gene: Pippy_38 Start: 29161, Stop: 30279, Start Num: 156
Candidate Starts for Pippy_38:
(Start: 156 @29161 has 344 MA's), (Start: 162 @29170 has 1 MA's), (240, 29332), (317, 29497), (340, 29533), (351, 29542), (407, 29623), (418, 29647), (460, 29716), (480, 29755), (489, 29773), (491, 29776), (498, 29788), (500, 29791), (505, 29803), (513, 29818), (527, 29842), (536, 29848), (557, 29869), (585, 29905), (587, 29908), (601, 29944), (603, 29950), (608, 29965), (614, 29980), (671, 30049), (678, 30064), (715, 30106), (725, 30151), (728, 30160), (739, 30199), (745, 30217), (756, 30238), (763, 30253), (769, 30262), (770, 30265),

Gene: Piro94_34 Start: 26723, Stop: 25590, Start Num: 150
Candidate Starts for Piro94_34:
(Start: 138 @26741 has 1 MA's), (Start: 150 @26723 has 130 MA's), (Start: 175 @26684 has 11 MA's), (Start: 184 @26669 has 15 MA's), (Start: 212 @26600 has 6 MA's), (230, 26555), (263, 26501), (318, 26378), (348, 26336), (397, 26300), (405, 26282), (471, 26177), (530, 26066), (551, 26048),

(564, 26036), (601, 25961), (610, 25934), (616, 25919), (628, 25901), (649, 25874), (716, 25763), (728, 25718), (729, 25715), (737, 25685), (739, 25679), (743, 25667), (763, 25628),

Gene: Pisa1_41 Start: 33768, Stop: 34856, Start Num: 156
Candidate Starts for Pisa1_41:
(Start: 156 @33768 has 344 MA's), (Start: 212 @33870 has 6 MA's), (221, 33894), (240, 33930), (270, 33981), (300, 34044), (313, 34068), (340, 34122), (412, 34206), (457, 34275), (458, 34278), (551, 34428), (597, 34506), (607, 34533), (713, 34668), (757, 34812),

Gene: Pistachio_34 Start: 25844, Stop: 24717, Start Num: 150
Candidate Starts for Pistachio_34:
(Start: 150 @25844 has 130 MA's), (198, 25757), (Start: 212 @25721 has 6 MA's), (230, 25676), (313, 25520), (315, 25508), (317, 25502), (348, 25457), (405, 25403), (407, 25400), (455, 25322), (551, 25169), (564, 25157), (587, 25118), (601, 25082), (603, 25076), (610, 25055), (616, 25040), (628, 25022), (649, 24995), (716, 24884), (729, 24836), (737, 24806), (739, 24800), (743, 24788), (763, 24749),

Gene: Pitbull_33 Start: 24636, Stop: 23518, Start Num: 145
Candidate Starts for Pitbull_33:
(Start: 125 @24666 has 30 MA's), (143, 24639), (Start: 145 @24636 has 5 MA's), (Start: 160 @24612 has 3 MA's), (248, 24441), (261, 24414), (315, 24306), (325, 24285), (330, 24276), (362, 24237), (370, 24219), (373, 24207), (374, 24204), (379, 24183), (408, 24123), (421, 24099), (489, 24033), (497, 24018), (519, 23976), (581, 23898), (602, 23850), (607, 23835), (614, 23814), (618, 23808), (639, 23787), (737, 23601), (763, 23547),

Gene: Pokerus_40 Start: 32516, Stop: 33604, Start Num: 156
Candidate Starts for Pokerus_40:
(Start: 156 @32516 has 344 MA's), (Start: 212 @32618 has 6 MA's), (221, 32642), (240, 32678), (313, 32816), (340, 32870), (412, 32954), (457, 33023), (458, 33026), (551, 33176), (607, 33281), (671, 33368), (713, 33416), (757, 33560),

Gene: Polka_36 Start: 23869, Stop: 22682, Start Num: 148
Candidate Starts for Polka_36:
(87, 23959), (Start: 148 @23869 has 95 MA's), (371, 23440), (612, 23005), (712, 22870),

Gene: Pollux_38 Start: 32103, Stop: 33209, Start Num: 156
Candidate Starts for Pollux_38:
(115, 32046), (Start: 156 @32103 has 344 MA's), (Start: 184 @32154 has 15 MA's), (237, 32259), (263, 32298), (412, 32538), (457, 32607), (458, 32610), (476, 32640), (500, 32691), (505, 32703), (646, 32931), (689, 32991), (721, 33066), (728, 33096), (769, 33198),

Gene: Polly_36 Start: 30006, Stop: 31088, Start Num: 154
Candidate Starts for Polly_36:
(Start: 86 @29895 has 6 MA's), (Start: 154 @30006 has 64 MA's), (Start: 184 @30060 has 15 MA's), (245, 30180), (405, 30435), (418, 30465), (458, 30525), (493, 30591), (505, 30615), (721, 30945), (727, 30972), (769, 31077),

Gene: Polo2Bam_48 Start: 32594, Stop: 33712, Start Num: 156
Candidate Starts for Polo2Bam_48:
(Start: 156 @32594 has 344 MA's), (223, 32732), (240, 32765), (265, 32813), (340, 32966), (351, 32975), (418, 33080), (460, 33149), (491, 33209), (498, 33221), (500, 33224), (513, 33251), (527, 33275), (557, 33302), (585, 33338), (587, 33341), (601, 33377), (603, 33383), (607, 33395), (608, 33398), (671, 33482), (678, 33497), (715, 33539), (725, 33584), (728, 33593), (739, 33632), (745,

33650), (756, 33671), (763, 33686), (769, 33695), (770, 33698),

Gene: Polymorphads_33 Start: 26248, Stop: 25127, Start Num: 150
Candidate Starts for Polymorphads_33:
(Start: 105 @26293 has 3 MA's), (Start: 124 @26266 has 7 MA's), (Start: 150 @26248 has 130 MA's), (Start: 190 @26179 has 8 MA's), (Start: 212 @26125 has 6 MA's), (317, 25906), (323, 25897), (348, 25861), (400, 25819), (405, 25807), (407, 25804), (455, 25726), (530, 25591), (551, 25573), (601, 25486), (603, 25480), (610, 25459), (616, 25444), (628, 25426), (716, 25288), (729, 25240), (737, 25210), (739, 25204), (743, 25192), (763, 25153),

Gene: Pomar16_37 Start: 26461, Stop: 25391, Start Num: 184
Candidate Starts for Pomar16_37:
(Start: 150 @26515 has 130 MA's), (Start: 184 @26461 has 15 MA's), (Start: 212 @26392 has 6 MA's), (313, 26191), (323, 26164), (348, 26128), (407, 26071), (418, 26044), (455, 25993), (476, 25960), (480, 25948), (489, 25930), (551, 25840), (564, 25828), (587, 25789), (601, 25753), (603, 25747), (610, 25726), (616, 25711), (628, 25693), (649, 25666), (716, 25555), (729, 25507), (730, 25504), (737, 25477), (739, 25471), (743, 25459), (763, 25420),

Gene: Porcelain_86 Start: 50735, Stop: 52009, Start Num: 103
Candidate Starts for Porcelain_86:
(81, 50678), (Start: 97 @50720 has 1 MA's), (Start: 103 @50735 has 10 MA's), (106, 50738), (Start: 136 @50783 has 1 MA's), (Start: 162 @50822 has 1 MA's), (338, 51203), (400, 51287), (405, 51299), (407, 51302), (468, 51431), (550, 51551), (589, 51614), (599, 51632), (608, 51656), (650, 51728), (736, 51905), (737, 51908), (739, 51914), (745, 51932), (753, 51947), (757, 51956), (759, 51959), (785, 52004),

Gene: Posh_42 Start: 32975, Stop: 34057, Start Num: 154
Candidate Starts for Posh_42:
(Start: 86 @32864 has 6 MA's), (Start: 154 @32975 has 64 MA's), (Start: 184 @33029 has 15 MA's), (245, 33149), (458, 33494), (505, 33584), (585, 33689), (721, 33914), (727, 33941), (769, 34046),

Gene: PotatoSplit_37 Start: 26790, Stop: 25645, Start Num: 150
Candidate Starts for PotatoSplit_37:
(Start: 150 @26790 has 130 MA's), (Start: 175 @26751 has 11 MA's), (198, 26703), (Start: 212 @26667 has 6 MA's), (230, 26622), (313, 26466), (323, 26439), (348, 26403), (407, 26346), (455, 26268), (471, 26244), (489, 26205), (530, 26133), (547, 26121), (551, 26115), (564, 26103), (601, 26028), (603, 26022), (610, 26001), (616, 25986), (628, 25968), (647, 25944), (716, 25830), (728, 25785), (729, 25782), (732, 25773), (737, 25752), (739, 25746), (743, 25734), (763, 25695),

Gene: Pound_82 Start: 54468, Stop: 55697, Start Num: 125
Candidate Starts for Pound_82:
(Start: 125 @54468 has 30 MA's), (Start: 136 @54486 has 1 MA's), (Start: 162 @54525 has 1 MA's), (269, 54762), (317, 54870), (400, 54990), (401, 54993), (405, 55002), (412, 55017), (426, 55056), (468, 55134), (526, 55239), (537, 55251), (550, 55254), (557, 55263), (588, 55314), (589, 55317), (599, 55335), (650, 55431), (695, 55488), (736, 55608), (737, 55611), (745, 55635), (757, 55659), (759, 55662),

Gene: Poushou_32 Start: 29943, Stop: 28732, Start Num: 161
Candidate Starts for Poushou_32:
(Start: 161 @29943 has 4 MA's), (241, 29769), (307, 29628), (405, 29469), (479, 29319), (524, 29229), (672, 28965), (693, 28929), (699, 28923), (757, 28758), (766, 28743), (768, 28740),

Gene: Power_33 Start: 26423, Stop: 25227, Start Num: 150

Candidate Starts for Power_33:
(Start: 125 @26453 has 30 MA's), (Start: 150 @26423 has 130 MA's), (Start: 212 @26303 has 6 MA's), (230, 26258), (313, 26102), (323, 26075), (348, 26039), (400, 25997), (407, 25982), (455, 25904), (476, 25871), (480, 25859), (489, 25841), (551, 25751), (564, 25739), (601, 25664), (603, 25658), (610, 25637), (616, 25622), (628, 25604), (649, 25577), (716, 25466), (729, 25418), (730, 25415), (737, 25388), (739, 25382), (743, 25370), (763, 25331), (795, 25277),

Gene: Powerball_37 Start: 30563, Stop: 29394, Start Num: 148
Candidate Starts for Powerball_37:
(Start: 148 @30563 has 95 MA's), (269, 30320), (323, 30203), (363, 30149), (364, 30143), (371, 30131), (374, 30119), (416, 30026), (418, 30020), (428, 29990), (497, 29921), (498, 29918), (513, 29888), (556, 29837), (601, 29765), (712, 29603), (714, 29591), (737, 29504), (740, 29495), (763, 29450), (786, 29411),

Gene: Prithvi_42 Start: 32665, Stop: 33753, Start Num: 156
Candidate Starts for Prithvi_42:
(72, 32518), (Start: 156 @32665 has 344 MA's), (Start: 212 @32767 has 6 MA's), (221, 32791), (240, 32827), (313, 32965), (340, 33019), (412, 33103), (457, 33172), (458, 33175), (551, 33325), (607, 33430), (671, 33517), (713, 33565), (757, 33709),

Gene: Pukovnik_35 Start: 27554, Stop: 26421, Start Num: 140
Candidate Starts for Pukovnik_35:
(Start: 140 @27554 has 7 MA's), (Start: 212 @27419 has 6 MA's), (230, 27374), (234, 27368), (256, 27329), (313, 27218), (323, 27191), (348, 27155), (400, 27113), (405, 27101), (407, 27098), (551, 26867), (564, 26855), (601, 26780), (603, 26774), (610, 26753), (616, 26738), (628, 26720), (662, 26669), (716, 26582), (729, 26534), (737, 26504), (739, 26498), (743, 26486), (753, 26465), (763, 26447),

Gene: Puppy_34 Start: 25914, Stop: 24787, Start Num: 150
Candidate Starts for Puppy_34:
(Start: 150 @25914 has 130 MA's), (198, 25827), (Start: 212 @25791 has 6 MA's), (230, 25746), (313, 25590), (315, 25578), (317, 25572), (348, 25527), (405, 25473), (407, 25470), (417, 25446), (530, 25257), (551, 25239), (564, 25227), (587, 25188), (601, 25152), (603, 25146), (610, 25125), (616, 25110), (628, 25092), (716, 24954), (729, 24906), (737, 24876), (739, 24870), (743, 24858), (763, 24819),

Gene: PurpleHaze_35 Start: 26642, Stop: 25497, Start Num: 150
Candidate Starts for PurpleHaze_35:
(Start: 102 @26705 has 2 MA's), (Start: 150 @26642 has 130 MA's), (Start: 184 @26588 has 15 MA's), (Start: 212 @26519 has 6 MA's), (317, 26300), (323, 26291), (348, 26255), (407, 26198), (455, 26120), (476, 26087), (530, 25985), (551, 25967), (564, 25955), (601, 25880), (603, 25874), (610, 25853), (616, 25838), (628, 25820), (647, 25796), (728, 25637), (729, 25634), (737, 25604), (739, 25598), (743, 25586), (763, 25547),

Gene: Pytheas_39 Start: 31310, Stop: 32392, Start Num: 154
Candidate Starts for Pytheas_39:
(Start: 86 @31199 has 6 MA's), (Start: 154 @31310 has 64 MA's), (Start: 184 @31364 has 15 MA's), (245, 31484), (418, 31769), (458, 31829), (493, 31895), (505, 31919), (721, 32249), (727, 32276), (769, 32381),

Gene: QueenB2_34 Start: 26488, Stop: 25370, Start Num: 150
Candidate Starts for QueenB2_34:

(Start: 102 @26551 has 2 MA's), (Start: 150 @26488 has 130 MA's), (Start: 184 @26434 has 15 MA's), (Start: 212 @26365 has 6 MA's), (230, 26320), (313, 26164), (314, 26161), (323, 26137), (348, 26101), (407, 26044), (455, 25966), (476, 25933), (480, 25921), (489, 25903), (551, 25813), (564, 25801), (603, 25720), (610, 25699), (616, 25684), (628, 25666), (649, 25639), (716, 25528), (729, 25480), (730, 25477), (737, 25450), (739, 25444), (743, 25432), (763, 25393),

Gene: QueenBeesly_34 Start: 26370, Stop: 25255, Start Num: 150
Candidate Starts for QueenBeesly_34:
(Start: 125 @26400 has 30 MA's), (Start: 150 @26370 has 130 MA's), (Start: 212 @26250 has 6 MA's), (230, 26205), (313, 26049), (323, 26022), (348, 25986), (400, 25944), (407, 25929), (476, 25818), (480, 25806), (489, 25788), (551, 25698), (564, 25686), (601, 25611), (603, 25605), (610, 25584), (616, 25569), (628, 25551), (649, 25524), (654, 25515), (716, 25413), (728, 25368), (729, 25365), (730, 25362), (737, 25335), (739, 25329), (743, 25317), (763, 25278),

Gene: QuincyRose_40 Start: 32781, Stop: 33869, Start Num: 156
Candidate Starts for QuincyRose_40:
(Start: 156 @32781 has 344 MA's), (Start: 212 @32883 has 6 MA's), (221, 32907), (240, 32943), (313, 33081), (340, 33135), (412, 33219), (457, 33288), (458, 33291), (551, 33441), (607, 33546), (671, 33633), (689, 33663), (713, 33681), (757, 33825),

Gene: Quokka_33 Start: 25599, Stop: 24475, Start Num: 150
Candidate Starts for Quokka_33:
(Start: 150 @25599 has 130 MA's), (194, 25521), (Start: 212 @25476 has 6 MA's), (230, 25431), (265, 25371), (323, 25248), (348, 25212), (405, 25158), (407, 25155), (480, 25032), (481, 25029), (489, 25014), (547, 24930), (551, 24924), (576, 24891), (585, 24876), (601, 24837), (610, 24810), (616, 24795), (628, 24777), (649, 24750), (716, 24639), (729, 24591), (730, 24588), (732, 24582), (737, 24561), (739, 24555), (743, 24543), (763, 24504),

Gene: REQ3_01 Start: 1320, Stop: 82, Start Num: 148
Candidate Starts for REQ3_01:
(98, 1395), (Start: 148 @1320 has 95 MA's), (204, 1203), (231, 1137), (261, 1083), (265, 1074), (267, 1068), (300, 1002), (344, 927), (374, 861), (382, 831), (390, 816), (394, 807), (416, 765), (422, 747), (443, 702), (445, 699), (457, 669), (471, 642), (476, 633), (496, 591), (497, 588), (513, 555), (562, 492), (578, 465), (601, 423), (603, 417), (608, 402), (610, 396), (622, 378), (635, 360), (639, 357), (648, 342), (664, 315), (676, 294), (717, 240), (735, 171), (737, 165), (765, 108), (772, 96),

Gene: Rabbitrun_10 Start: 3920, Stop: 2817, Start Num: 187
Candidate Starts for Rabbitrun_10:
(Start: 187 @3920 has 13 MA's), (191, 3908), (Start: 212 @3854 has 6 MA's), (217, 3845), (222, 3839), (232, 3815), (309, 3662), (361, 3590), (397, 3548), (407, 3527), (412, 3515), (424, 3482), (471, 3392), (482, 3371), (528, 3284), (557, 3257), (589, 3203), (649, 3083), (707, 2987), (715, 2972), (724, 2933), (735, 2891),

Gene: RadFad_40 Start: 27831, Stop: 26659, Start Num: 156
Candidate Starts for RadFad_40:
(Start: 156 @27831 has 344 MA's), (Start: 184 @27780 has 15 MA's), (236, 27666), (270, 27612), (279, 27594), (314, 27522), (332, 27480), (351, 27462), (407, 27384), (412, 27372), (457, 27297), (462, 27288), (493, 27228), (553, 27138), (608, 27033), (618, 27012), (632, 26988), (635, 26985), (680, 26916), (715, 26862), (721, 26838), (724, 26823), (770, 26703), (786, 26676),

Gene: Ramen_41 Start: 32481, Stop: 33569, Start Num: 156
Candidate Starts for Ramen_41:

(Start: 156 @32481 has 344 MA's), (Start: 212 @32583 has 6 MA's), (221, 32607), (240, 32643), (313, 32781), (340, 32835), (412, 32919), (457, 32988), (458, 32991), (551, 33141), (597, 33219), (607, 33246), (671, 33333), (713, 33381),

Gene: Raphaella_40 Start: 27703, Stop: 26564, Start Num: 156
Candidate Starts for Raphaella_40:
(Start: 156 @27703 has 344 MA's), (Start: 184 @27652 has 15 MA's), (270, 27484), (279, 27466), (351, 27334), (407, 27256), (412, 27244), (413, 27238), (457, 27169), (462, 27160), (493, 27100), (553, 27010), (608, 26905), (618, 26884), (635, 26857), (715, 26734), (721, 26710), (724, 26695), (747, 26620), (761, 26590),

Gene: Rapunzel97_41 Start: 32477, Stop: 33565, Start Num: 156
Candidate Starts for Rapunzel97_41:
(Start: 156 @32477 has 344 MA's), (Start: 184 @32528 has 15 MA's), (Start: 212 @32579 has 6 MA's), (221, 32603), (240, 32639), (313, 32777), (340, 32831), (412, 32915), (457, 32984), (458, 32987), (551, 33137), (597, 33215), (607, 33242), (671, 33329), (713, 33377),

Gene: Raqqa_32 Start: 24809, Stop: 23658, Start Num: 169
Candidate Starts for Raqqa_32:
(Start: 156 @24836 has 344 MA's), (169, 24809), (Start: 184 @24785 has 15 MA's), (279, 24599), (323, 24503), (351, 24467), (407, 24389), (457, 24302), (462, 24293), (493, 24233), (553, 24143), (608, 24038), (610, 24032), (678, 23924), (715, 23873), (721, 23849), (724, 23834), (747, 23759), (770, 23714),

Gene: Rattail_36 Start: 23998, Stop: 22805, Start Num: 148
Candidate Starts for Rattail_36:
(Start: 148 @23998 has 95 MA's), (371, 23569), (390, 23512), (551, 23260), (612, 23134), (618, 23122), (720, 22963), (743, 22882), (770, 22834),

Gene: RavenCo17_41 Start: 31793, Stop: 32899, Start Num: 156
Candidate Starts for RavenCo17_41:
(115, 31736), (Start: 156 @31793 has 344 MA's), (Start: 184 @31844 has 15 MA's), (237, 31949), (263, 31988), (412, 32228), (457, 32297), (458, 32300), (476, 32330), (500, 32381), (505, 32393), (646, 32621), (689, 32681), (691, 32684), (721, 32756), (728, 32786), (769, 32888),

Gene: Raya_33 Start: 24282, Stop: 23167, Start Num: 145
Candidate Starts for Raya_33:
(Start: 125 @24312 has 30 MA's), (Start: 145 @24282 has 5 MA's), (248, 24087), (261, 24060), (284, 24021), (315, 23952), (325, 23931), (370, 23865), (373, 23853), (374, 23850), (379, 23829), (408, 23769), (411, 23760), (421, 23745), (489, 23679), (497, 23664), (505, 23646), (519, 23622), (520, 23619), (568, 23568), (581, 23544), (602, 23496), (607, 23481), (614, 23460), (639, 23433), (712, 23346), (763, 23193),

Gene: Rearden_78 Start: 49030, Stop: 50319, Start Num: 97
Candidate Starts for Rearden_78:
(81, 48988), (Start: 97 @49030 has 1 MA's), (Start: 103 @49045 has 10 MA's), (106, 49048), (Start: 136 @49093 has 1 MA's), (Start: 162 @49132 has 1 MA's), (338, 49513), (400, 49597), (405, 49609), (407, 49612), (468, 49741), (550, 49861), (589, 49924), (599, 49942), (608, 49966), (650, 50038), (736, 50215), (737, 50218), (739, 50224), (745, 50242), (753, 50257), (757, 50266), (759, 50269), (785, 50314),

Gene: Reba_36 Start: 26302, Stop: 25163, Start Num: 150
Candidate Starts for Reba_36:

(Start: 102 @26365 has 2 MA's), (Start: 150 @26302 has 130 MA's), (Start: 184 @26248 has 15 MA's), (Start: 212 @26179 has 6 MA's), (317, 25960), (323, 25951), (348, 25915), (407, 25858), (455, 25780), (476, 25747), (530, 25645), (551, 25627), (564, 25615), (601, 25540), (603, 25534), (610, 25513), (616, 25498), (628, 25480), (647, 25456), (728, 25297), (729, 25294), (737, 25264), (739, 25258), (743, 25246), (763, 25207),

Gene: RedFox_36 Start: 23911, Stop: 22718, Start Num: 148
Candidate Starts for RedFox_36:
(Start: 148 @23911 has 95 MA's), (371, 23482), (390, 23425), (404, 23401), (551, 23173), (612, 23047), (618, 23035), (632, 23014), (720, 22876), (743, 22795), (770, 22747),

Gene: Redno2_78 Start: 49946, Stop: 51175, Start Num: 125
Candidate Starts for Redno2_78:
(Start: 125 @49946 has 30 MA's), (Start: 136 @49964 has 1 MA's), (Start: 162 @50003 has 1 MA's), (269, 50240), (317, 50348), (400, 50468), (401, 50471), (405, 50480), (412, 50495), (426, 50534), (468, 50612), (526, 50717), (537, 50729), (550, 50732), (557, 50741), (588, 50792), (589, 50795), (599, 50813), (650, 50909), (695, 50966), (736, 51086), (737, 51089), (745, 51113), (757, 51137), (759, 51140),

Gene: Renaud18_46 Start: 32683, Stop: 33786, Start Num: 156
Candidate Starts for Renaud18_46:
(Start: 156 @32683 has 344 MA's), (Start: 184 @32731 has 15 MA's), (223, 32812), (235, 32839), (340, 33052), (364, 33076), (407, 33124), (457, 33205), (493, 33274), (498, 33283), (513, 33313), (527, 33337), (551, 33358), (597, 33436), (603, 33451), (646, 33511), (671, 33550), (678, 33565), (695, 33589), (715, 33616), (721, 33640), (725, 33661), (728, 33670), (741, 33715), (745, 33727),

Gene: Renna12_35 Start: 23953, Stop: 22760, Start Num: 148
Candidate Starts for Renna12_35:
(Start: 148 @23953 has 95 MA's), (271, 23710), (371, 23524), (390, 23467), (404, 23443), (551, 23215), (612, 23089), (618, 23077), (770, 22789),

Gene: Retro23_35 Start: 26753, Stop: 25632, Start Num: 150
Candidate Starts for Retro23_35:
(Start: 102 @26816 has 2 MA's), (Start: 150 @26753 has 130 MA's), (Start: 184 @26699 has 15 MA's), (Start: 212 @26630 has 6 MA's), (230, 26585), (313, 26429), (348, 26366), (412, 26297), (430, 26255), (455, 26231), (489, 26168), (551, 26078), (564, 26066), (601, 25991), (603, 25985), (610, 25964), (616, 25949), (628, 25931), (649, 25904), (716, 25793), (728, 25748), (729, 25745), (730, 25742), (737, 25715), (739, 25709), (743, 25697), (763, 25658),

Gene: Rialto_46 Start: 34385, Stop: 35503, Start Num: 156
Candidate Starts for Rialto_46:
(Start: 156 @34385 has 344 MA's), (240, 34556), (317, 34721), (340, 34757), (351, 34766), (418, 34871), (460, 34940), (480, 34979), (491, 35000), (498, 35012), (500, 35015), (505, 35027), (527, 35066), (536, 35072), (557, 35093), (585, 35129), (587, 35132), (601, 35168), (603, 35174), (608, 35189), (614, 35204), (671, 35273), (678, 35288), (725, 35375), (728, 35384), (739, 35423), (745, 35441), (756, 35462), (763, 35477), (769, 35486), (770, 35489),

Gene: Richie_40 Start: 27784, Stop: 26645, Start Num: 156
Candidate Starts for Richie_40:
(Start: 156 @27784 has 344 MA's), (Start: 184 @27733 has 15 MA's), (270, 27565), (279, 27547), (340, 27424), (351, 27415), (407, 27337), (412, 27325), (413, 27319), (457, 27250), (462, 27241), (493, 27181), (553, 27091), (608, 26986), (618, 26965), (635, 26938), (715, 26815), (721, 26791), (724, 26776), (747, 26701), (761, 26671),

Gene: Richo_43 Start: 33014, Stop: 34105, Start Num: 156
Candidate Starts for Richo_43:
(11, 32333), (21, 32477), (32, 32681), (49, 32780), (51, 32789), (57, 32816), (70, 32864), (Start: 156 @33014 has 344 MA's), (Start: 184 @33065 has 15 MA's), (221, 33140), (240, 33176), (300, 33290), (313, 33314), (340, 33368), (412, 33452), (425, 33485), (457, 33521), (458, 33524), (480, 33566), (527, 33653), (551, 33674), (607, 33782), (654, 33842), (700, 33905), (713, 33917), (741, 34025), (757, 34061),

Gene: Rita_44 Start: 31945, Stop: 33063, Start Num: 156
Candidate Starts for Rita_44:
(Start: 156 @31945 has 344 MA's), (223, 32083), (240, 32116), (265, 32164), (340, 32317), (351, 32326), (407, 32407), (460, 32500), (491, 32560), (498, 32572), (500, 32575), (513, 32602), (527, 32626), (557, 32653), (585, 32689), (587, 32692), (601, 32728), (614, 32764), (671, 32833), (678, 32848), (698, 32866), (725, 32935), (728, 32944), (732, 32956), (739, 32983), (745, 33001), (756, 33022), (763, 33037), (769, 33046), (770, 33049),

Gene: Rizz_40 Start: 29782, Stop: 30909, Start Num: 156
Candidate Starts for Rizz_40:
(Start: 124 @29743 has 7 MA's), (Start: 156 @29782 has 344 MA's), (Start: 184 @29836 has 15 MA's), (237, 29959), (257, 29992), (302, 30082), (315, 30115), (457, 30310), (458, 30313), (480, 30355), (500, 30391), (688, 30688), (721, 30766), (727, 30793), (732, 30808), (739, 30835), (769, 30898),

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 130 MA's), (Start: 175 @26019 has 11 MA's), (198, 25971), (Start: 212 @25935 has 6 MA's), (230, 25890), (317, 25716), (348, 25671), (400, 25629), (412, 25602), (455, 25536), (480, 25491), (551, 25383), (564, 25371), (576, 25350), (601, 25296), (603, 25290), (610, 25269), (616, 25254), (628, 25236), (649, 25209), (716, 25098), (729, 25050), (730, 25047), (737, 25020), (739, 25014), (743, 25002), (753, 24981), (763, 24963),

Gene: Roimos_33 Start: 26186, Stop: 25146, Start Num: 198
Candidate Starts for Roimos_33:
(Start: 150 @26273 has 130 MA's), (198, 26186), (Start: 212 @26150 has 6 MA's), (230, 26105), (265, 26045), (313, 25949), (315, 25937), (317, 25931), (348, 25886), (405, 25832), (407, 25829), (417, 25805), (530, 25616), (551, 25598), (564, 25586), (587, 25547), (601, 25511), (603, 25505), (610, 25484), (616, 25469), (628, 25451), (716, 25313), (729, 25265), (737, 25235), (739, 25229), (743, 25217), (763, 25178),

Gene: RootBeer_29 Start: 22941, Stop: 24083, Start Num: 156
Candidate Starts for RootBeer_29:
(Start: 156 @22941 has 344 MA's), (Start: 184 @22992 has 15 MA's), (195, 23019), (337, 23295), (340, 23301), (356, 23319), (418, 23427), (457, 23487), (505, 23580), (587, 23700), (605, 23748), (616, 23778), (678, 23874), (728, 23982), (754, 24057),

Gene: Rooter_30 Start: 23761, Stop: 22631, Start Num: 156
Candidate Starts for Rooter_30:
(Start: 156 @23761 has 344 MA's), (Start: 184 @23710 has 15 MA's), (185, 23707), (300, 23482), (317, 23437), (328, 23416), (330, 23413), (352, 23389), (412, 23290), (418, 23275), (471, 23194), (473, 23191), (601, 22978), (607, 22960), (609, 22954), (616, 22936), (635, 22909), (654, 22882), (671, 22855), (678, 22840), (683, 22831), (696, 22813), (724, 22747), (725, 22741), (728, 22732), (741, 22687), (754, 22657),

Gene: Rosmarinus_41 Start: 32583, Stop: 33671, Start Num: 156
Candidate Starts for Rosmarinus_41:
(16, 31980), (24, 32157), (43, 32322), (52, 32361), (Start: 156 @32583 has 344 MA's), (Start: 184 @32634 has 15 MA's), (Start: 212 @32685 has 6 MA's), (221, 32709), (240, 32745), (313, 32883), (412, 33021), (457, 33090), (458, 33093), (551, 33243), (607, 33348), (713, 33483),

Gene: Ruchi_33 Start: 24704, Stop: 23520, Start Num: 148
Candidate Starts for Ruchi_33:
(Start: 148 @24704 has 95 MA's), (261, 24485), (325, 24350), (371, 24275), (375, 24260), (489, 24059), (608, 23852), (612, 23840), (622, 23822), (632, 23807), (712, 23705), (717, 23678), (720, 23669),

Gene: RunningOnE_6 Start: 3145, Stop: 1910, Start Num: 159
Candidate Starts for RunningOnE_6:
(113, 3208), (120, 3199), (Start: 159 @3145 has 3 MA's), (281, 2884), (409, 2689), (456, 2575), (480, 2554), (504, 2521), (590, 2383), (613, 2320), (614, 2317), (635, 2281), (718, 2134), (741, 2050), (800, 1933),

Gene: Ruthy_39 Start: 33142, Stop: 31883, Start Num: 148
Candidate Starts for Ruthy_39:
(Start: 148 @33142 has 95 MA's), (306, 32821), (371, 32707), (374, 32695), (416, 32602), (424, 32578), (558, 32410), (561, 32407), (607, 32314), (608, 32311), (639, 32254), (708, 32137), (712, 32125), (725, 32068), (750, 31993), (759, 31981), (786, 31933),

Gene: SG4_40 Start: 31653, Stop: 32771, Start Num: 156
Candidate Starts for SG4_40:
(Start: 156 @31653 has 344 MA's), (Start: 162 @31662 has 1 MA's), (240, 31824), (317, 31989), (340, 32025), (351, 32034), (407, 32115), (418, 32139), (460, 32208), (480, 32247), (489, 32265), (491, 32268), (498, 32280), (500, 32283), (505, 32295), (527, 32334), (536, 32340), (557, 32361), (585, 32397), (587, 32400), (601, 32436), (603, 32442), (608, 32457), (671, 32541), (678, 32556), (698, 32574), (725, 32643), (728, 32652), (739, 32691), (745, 32709), (756, 32730), (763, 32745), (769, 32754), (770, 32757),

Gene: SPB78_39 Start: 30658, Stop: 29387, Start Num: 127
Candidate Starts for SPB78_39:
(Start: 127 @30658 has 1 MA's), (168, 30592), (258, 30403), (317, 30268), (330, 30244), (357, 30220), (386, 30190), (389, 30181), (392, 30175), (395, 30172), (470, 30025), (480, 30007), (526, 29917), (532, 29908), (598, 29800), (608, 29770), (636, 29722), (668, 29665), (690, 29629), (713, 29587), (716, 29569), (732, 29512), (738, 29488), (763, 29431), (781, 29404),

Gene: Saal_43 Start: 31957, Stop: 33075, Start Num: 156
Candidate Starts for Saal_43:
(Start: 156 @31957 has 344 MA's), (223, 32095), (240, 32128), (265, 32176), (317, 32293), (340, 32329), (351, 32338), (418, 32443), (460, 32512), (491, 32572), (498, 32584), (500, 32587), (505, 32599), (513, 32614), (527, 32638), (536, 32644), (557, 32665), (585, 32701), (587, 32704), (601, 32740), (603, 32746), (607, 32758), (608, 32761), (671, 32845), (678, 32860), (715, 32902), (725, 32947), (728, 32956), (739, 32995), (745, 33013), (756, 33034), (763, 33049), (769, 33058), (770, 33061),

Gene: Sabia_36 Start: 26783, Stop: 25638, Start Num: 150
Candidate Starts for Sabia_36:

(Start: 150 @26783 has 130 MA's), (Start: 175 @26744 has 11 MA's), (198, 26696), (Start: 212 @26660 has 6 MA's), (230, 26615), (313, 26459), (323, 26432), (348, 26396), (407, 26339), (455, 26261), (471, 26237), (489, 26198), (530, 26126), (547, 26114), (551, 26108), (564, 26096), (601, 26021), (603, 26015), (610, 25994), (616, 25979), (628, 25961), (647, 25937), (716, 25823), (728, 25778), (729, 25775), (732, 25766), (737, 25745), (739, 25739), (743, 25727), (763, 25688),

Gene: Sabinator_36 Start: 26788, Stop: 25643, Start Num: 150
Candidate Starts for Sabinator_36:
(Start: 150 @26788 has 130 MA's), (Start: 175 @26749 has 11 MA's), (198, 26701), (Start: 212 @26665 has 6 MA's), (230, 26620), (313, 26464), (323, 26437), (348, 26401), (407, 26344), (455, 26266), (471, 26242), (489, 26203), (530, 26131), (547, 26119), (551, 26113), (564, 26101), (601, 26026), (603, 26020), (610, 25999), (616, 25984), (628, 25966), (647, 25942), (716, 25828), (728, 25783), (729, 25780), (732, 25771), (737, 25750), (739, 25744), (743, 25732), (763, 25693),

Gene: Sahara_36 Start: 27505, Stop: 28704, Start Num: 85
Candidate Starts for Sahara_36:
(Start: 85 @27505 has 2 MA's), (Start: 86 @27511 has 6 MA's), (Start: 154 @27622 has 64 MA's), (Start: 184 @27676 has 15 MA's), (245, 27796), (405, 28051), (418, 28081), (458, 28141), (493, 28207), (505, 28231), (585, 28336), (721, 28561), (727, 28588), (769, 28693),

Gene: Sakai_40 Start: 27712, Stop: 26573, Start Num: 156
Candidate Starts for Sakai_40:
(Start: 156 @27712 has 344 MA's), (Start: 184 @27661 has 15 MA's), (270, 27493), (279, 27475), (351, 27343), (407, 27265), (412, 27253), (413, 27247), (457, 27178), (462, 27169), (493, 27109), (553, 27019), (608, 26914), (618, 26893), (635, 26866), (715, 26743), (721, 26719), (724, 26704), (747, 26629), (761, 26599),

Gene: SamW_27 Start: 25228, Stop: 23900, Start Num: 111
Candidate Starts for SamW_27:
(Start: 111 @25228 has 3 MA's), (134, 25192), (141, 25183), (Start: 176 @25126 has 3 MA's), (277, 24916), (278, 24913), (324, 24814), (334, 24796), (398, 24730), (401, 24724), (407, 24712), (483, 24547), (508, 24502), (520, 24481), (527, 24469), (544, 24445), (563, 24421), (567, 24415), (587, 24379), (627, 24283), (659, 24226), (687, 24181), (704, 24157), (712, 24142), (727, 24076), (728, 24073), (735, 24046), (741, 24028), (772, 23968), (799, 23914),

Gene: Samman98_40 Start: 29099, Stop: 30226, Start Num: 156
Candidate Starts for Samman98_40:
(Start: 124 @29060 has 7 MA's), (Start: 156 @29099 has 344 MA's), (Start: 184 @29153 has 15 MA's), (237, 29276), (257, 29309), (302, 29399), (315, 29432), (457, 29627), (458, 29630), (480, 29672), (500, 29708), (688, 30005), (721, 30083), (727, 30110), (732, 30125), (739, 30152), (769, 30215),

Gene: SamuelLPlaqson_42 Start: 33376, Stop: 34464, Start Num: 156
Candidate Starts for SamuelLPlaqson_42:
(52, 33154), (Start: 156 @33376 has 344 MA's), (Start: 184 @33427 has 15 MA's), (Start: 212 @33478 has 6 MA's), (221, 33502), (240, 33538), (300, 33652), (340, 33730), (412, 33814), (457, 33883), (458, 33886), (551, 34036), (607, 34141), (713, 34276), (757, 34420),

Gene: Sarge_28 Start: 22501, Stop: 21347, Start Num: 156
Candidate Starts for Sarge_28:
(109, 22564), (Start: 156 @22501 has 344 MA's), (Start: 184 @22450 has 15 MA's), (185, 22447), (195, 22423), (300, 22198), (317, 22153), (328, 22132), (330, 22129), (352, 22105), (412, 22006), (418, 21991), (471, 21910), (519, 21817), (572, 21748), (601, 21694), (609, 21670), (616, 21652),

(635, 21625), (671, 21571), (678, 21556), (683, 21547), (724, 21463), (725, 21457), (728, 21448), (741, 21403), (754, 21373),

Gene: Sarma624_38 Start: 27903, Stop: 29021, Start Num: 156
Candidate Starts for Sarma624_38:
(Start: 156 @27903 has 344 MA's), (240, 28074), (317, 28239), (340, 28275), (351, 28284), (407, 28365), (418, 28389), (460, 28458), (480, 28497), (489, 28515), (491, 28518), (498, 28530), (500, 28533), (505, 28545), (513, 28560), (527, 28584), (536, 28590), (557, 28611), (585, 28647), (587, 28650), (601, 28686), (603, 28692), (607, 28704), (608, 28707), (614, 28722), (671, 28791), (678, 28806), (715, 28848), (725, 28893), (728, 28902), (739, 28941), (745, 28959), (756, 28980), (763, 28995), (769, 29004), (770, 29007),

Gene: Sashimi_39 Start: 28789, Stop: 27602, Start Num: 156
Candidate Starts for Sashimi_39:
(Start: 156 @28789 has 344 MA's), (Start: 184 @28738 has 15 MA's), (214, 28672), (279, 28552), (315, 28471), (323, 28456), (351, 28420), (407, 28342), (457, 28255), (462, 28246), (478, 28216), (493, 28186), (553, 28096), (608, 27991), (715, 27820), (721, 27796), (724, 27781), (770, 27661),

Gene: Satrap_40 Start: 27780, Stop: 26602, Start Num: 156
Candidate Starts for Satrap_40:
(Start: 156 @27780 has 344 MA's), (214, 27663), (279, 27543), (323, 27447), (351, 27411), (400, 27348), (407, 27333), (457, 27246), (462, 27237), (493, 27177), (519, 27129), (608, 26982), (610, 26976), (635, 26934), (715, 26817), (720, 26796), (721, 26793), (724, 26778), (770, 26658),

Gene: SaturnRing_33 Start: 26297, Stop: 25170, Start Num: 150
Candidate Starts for SaturnRing_33:
(Start: 150 @26297 has 130 MA's), (198, 26210), (Start: 212 @26174 has 6 MA's), (230, 26129), (313, 25973), (315, 25961), (317, 25955), (348, 25910), (405, 25856), (407, 25853), (455, 25775), (551, 25622), (564, 25610), (587, 25571), (601, 25535), (603, 25529), (610, 25508), (616, 25493), (628, 25475), (649, 25448), (716, 25337), (729, 25289), (737, 25259), (739, 25253), (743, 25241), (763, 25202),

Gene: Savage_37 Start: 27875, Stop: 28957, Start Num: 154
Candidate Starts for Savage_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: Scarlett_45 Start: 33589, Stop: 34674, Start Num: 156
Candidate Starts for Scarlett_45:
(17, 32986), (19, 33004), (22, 33082), (30, 33253), (44, 33328), (52, 33367), (66, 33421), (Start: 156 @33589 has 344 MA's), (225, 33724), (240, 33751), (313, 33889), (330, 33931), (340, 33943), (412, 34027), (457, 34096), (458, 34099), (480, 34141), (551, 34249), (607, 34354), (671, 34441), (713, 34489), (741, 34597), (763, 34645),

Gene: Schatzie_77 Start: 51939, Stop: 53168, Start Num: 125
Candidate Starts for Schatzie_77:
(Start: 125 @51939 has 30 MA's), (Start: 136 @51957 has 1 MA's), (Start: 162 @51996 has 1 MA's), (269, 52233), (317, 52341), (400, 52461), (401, 52464), (405, 52473), (412, 52488), (426, 52527), (468, 52605), (526, 52710), (537, 52722), (550, 52725), (557, 52734), (588, 52785), (589, 52788), (599, 52806), (650, 52902), (695, 52959), (736, 53079), (737, 53082), (745, 53106), (757, 53130), (759, 53133),

Gene: Schmidt_32 Start: 24660, Stop: 23548, Start Num: 182
Candidate Starts for Schmidt_32:
(Start: 182 @24660 has 2 MA's), (201, 24615), (320, 24354), (335, 24330), (410, 24249), (412, 24243), (452, 24150), (480, 24108), (481, 24105), (499, 24069), (546, 23997), (579, 23946), (583, 23940), (595, 23919), (712, 23772), (721, 23733), (728, 23703), (737, 23670), (763, 23610), (786, 23571), (792, 23556),

Gene: Scout_33 Start: 25604, Stop: 24477, Start Num: 150
Candidate Starts for Scout_33:
(Start: 150 @25604 has 130 MA's), (198, 25517), (Start: 212 @25481 has 6 MA's), (230, 25436), (265, 25376), (313, 25280), (315, 25268), (317, 25262), (348, 25217), (405, 25163), (407, 25160), (417, 25136), (530, 24947), (551, 24929), (564, 24917), (587, 24878), (601, 24842), (603, 24836), (610, 24815), (616, 24800), (628, 24782), (716, 24644), (729, 24596), (737, 24566), (739, 24560), (743, 24548), (763, 24509),

Gene: SeaLumen_48 Start: 32594, Stop: 33712, Start Num: 156
Candidate Starts for SeaLumen_48:
(Start: 156 @32594 has 344 MA's), (223, 32732), (240, 32765), (265, 32813), (340, 32966), (351, 32975), (418, 33080), (460, 33149), (491, 33209), (498, 33221), (500, 33224), (513, 33251), (527, 33275), (557, 33302), (585, 33338), (587, 33341), (601, 33377), (603, 33383), (607, 33395), (608, 33398), (671, 33482), (678, 33497), (715, 33539), (725, 33584), (728, 33593), (739, 33632), (745, 33650), (756, 33671), (763, 33686), (769, 33695), (770, 33698),

Gene: Seahorse_41 Start: 29287, Stop: 28109, Start Num: 156
Candidate Starts for Seahorse_41:
(Start: 156 @29287 has 344 MA's), (214, 29170), (279, 29050), (351, 28918), (407, 28840), (457, 28753), (462, 28744), (493, 28684), (553, 28594), (608, 28489), (610, 28483), (635, 28441), (715, 28324), (720, 28303), (721, 28300), (724, 28285), (770, 28165),

Gene: Sekhmet_40 Start: 29999, Stop: 31126, Start Num: 156
Candidate Starts for Sekhmet_40:
(Start: 124 @29960 has 7 MA's), (Start: 156 @29999 has 344 MA's), (Start: 184 @30053 has 15 MA's), (237, 30176), (257, 30209), (302, 30299), (315, 30332), (457, 30527), (458, 30530), (480, 30572), (500, 30608), (688, 30905), (721, 30983), (727, 31010), (732, 31025), (739, 31052), (769, 31115),

Gene: SemperFi_35 Start: 26638, Stop: 25517, Start Num: 150
Candidate Starts for SemperFi_35:
(Start: 125 @26668 has 30 MA's), (Start: 150 @26638 has 130 MA's), (Start: 212 @26518 has 6 MA's), (230, 26473), (313, 26317), (323, 26290), (348, 26254), (407, 26197), (412, 26185), (455, 26119), (480, 26074), (489, 26056), (551, 25966), (564, 25954), (593, 25897), (601, 25879), (603, 25873), (610, 25852), (616, 25837), (628, 25819), (649, 25792), (716, 25681), (729, 25633), (730, 25630), (737, 25603), (739, 25597), (743, 25585), (763, 25546),

Gene: Sephiroth_7 Start: 2692, Stop: 1604, Start Num: 183
Candidate Starts for Sephiroth_7:
(122, 2797), (172, 2713), (Start: 183 @2692 has 4 MA's), (264, 2521), (308, 2431), (315, 2407), (326, 2386), (484, 2155), (507, 2122), (533, 2080), (544, 2065), (559, 2044), (567, 2035), (569, 2029), (609, 1945), (617, 1930), (672, 1843), (692, 1810), (725, 1723), (727, 1717), (736, 1684), (739, 1675), (741, 1669),

Gene: Serenity_34 Start: 25724, Stop: 24600, Start Num: 150
Candidate Starts for Serenity_34:

(Start: 150 @25724 has 130 MA's), (194, 25646), (Start: 212 @25601 has 6 MA's), (230, 25556), (255, 25514), (265, 25496), (323, 25373), (348, 25337), (405, 25283), (407, 25280), (455, 25202), (480, 25157), (481, 25154), (489, 25139), (547, 25055), (551, 25049), (576, 25016), (601, 24962), (610, 24935), (616, 24920), (628, 24902), (649, 24875), (716, 24764), (729, 24716), (730, 24713), (732, 24707), (737, 24686), (739, 24680), (743, 24668), (763, 24629),

Gene: Settecandela_38 Start: 20588, Stop: 21727, Start Num: 156
Candidate Starts for Settecandela_38:
(Start: 156 @20588 has 344 MA's), (185, 20642), (Start: 215 @20714 has 1 MA's), (340, 20966), (351, 20975), (405, 21065), (412, 21080), (457, 21158), (493, 21227), (500, 21239), (551, 21311), (589, 21362), (591, 21365), (603, 21401), (639, 21452), (671, 21500), (673, 21506), (678, 21515), (724, 21596), (755, 21689), (761, 21701), (769, 21713),

Gene: SgtBeansprout_36 Start: 31976, Stop: 33070, Start Num: 156
Candidate Starts for SgtBeansprout_36:
(28, 31625), (31, 31640), (47, 31733), (52, 31754), (80, 31847), (Start: 156 @31976 has 344 MA's), (Start: 184 @32027 has 15 MA's), (221, 32102), (240, 32138), (289, 32234), (300, 32252), (313, 32276), (337, 32324), (340, 32330), (432, 32462), (457, 32495), (480, 32540), (551, 32648), (607, 32753), (654, 32813), (713, 32888), (741, 32996), (757, 33032),

Gene: Shaboozey_79 Start: 48487, Stop: 49761, Start Num: 103
Candidate Starts for Shaboozey_79:
(81, 48430), (Start: 97 @48472 has 1 MA's), (Start: 103 @48487 has 10 MA's), (106, 48490), (Start: 136 @48535 has 1 MA's), (Start: 162 @48574 has 1 MA's), (338, 48955), (400, 49039), (405, 49051), (407, 49054), (468, 49183), (550, 49303), (589, 49366), (599, 49384), (608, 49408), (650, 49480), (736, 49657), (737, 49660), (739, 49666), (745, 49684), (753, 49699), (757, 49708), (759, 49711), (785, 49756),

Gene: Shaobing_43 Start: 33037, Stop: 34128, Start Num: 156
Candidate Starts for Shaobing_43:
(32, 32704), (49, 32803), (51, 32812), (57, 32839), (70, 32887), (Start: 156 @33037 has 344 MA's), (181, 33082), (Start: 184 @33088 has 15 MA's), (221, 33163), (240, 33199), (300, 33313), (313, 33337), (340, 33391), (412, 33475), (425, 33508), (457, 33544), (458, 33547), (480, 33589), (527, 33676), (551, 33697), (607, 33805), (654, 33865), (700, 33928), (713, 33940), (741, 34048), (757, 34084),

Gene: Shauna1_38 Start: 31056, Stop: 32174, Start Num: 156
Candidate Starts for Shauna1_38:
(Start: 156 @31056 has 344 MA's), (240, 31227), (317, 31392), (340, 31428), (351, 31437), (407, 31518), (460, 31611), (491, 31671), (498, 31683), (500, 31686), (513, 31713), (527, 31737), (557, 31764), (585, 31800), (587, 31803), (601, 31839), (614, 31875), (671, 31944), (678, 31959), (698, 31977), (725, 32046), (728, 32055), (732, 32067), (739, 32094), (745, 32112), (756, 32133), (763, 32148), (769, 32157), (770, 32160),

Gene: ShawBrad_51 Start: 32319, Stop: 33413, Start Num: 156
Candidate Starts for ShawBrad_51:
(94, 32232), (117, 32268), (Start: 156 @32319 has 344 MA's), (Start: 184 @32370 has 15 MA's), (223, 32448), (237, 32475), (265, 32520), (284, 32562), (340, 32670), (351, 32679), (412, 32754), (419, 32772), (480, 32871), (498, 32904), (500, 32907), (505, 32919), (587, 33021), (632, 33114), (683, 33186), (721, 33246), (737, 33309), (741, 33321), (770, 33381),

Gene: SheldonCooper_34 Start: 26519, Stop: 25467, Start Num: 190
Candidate Starts for SheldonCooper_34:

(Start: 105 @26633 has 3 MA's), (Start: 124 @26606 has 7 MA's), (Start: 150 @26588 has 130 MA's), (Start: 190 @26519 has 8 MA's), (Start: 212 @26465 has 6 MA's), (317, 26246), (323, 26237), (348, 26201), (400, 26159), (405, 26147), (407, 26144), (530, 25931), (551, 25913), (601, 25826), (603, 25820), (610, 25799), (616, 25784), (628, 25766), (716, 25628), (729, 25580), (737, 25550), (739, 25544), (743, 25532), (763, 25493),

Gene: Shen_31 Start: 23191, Stop: 22007, Start Num: 148
Candidate Starts for Shen_31:
(Start: 148 @23191 has 95 MA's), (261, 22972), (269, 22954), (325, 22837), (371, 22762), (372, 22759), (566, 22432), (608, 22339), (612, 22327), (622, 22309), (712, 22192), (720, 22156),

Gene: Shep_33 Start: 25231, Stop: 24191, Start Num: 198
Candidate Starts for Shep_33:
(Start: 150 @25318 has 130 MA's), (198, 25231), (Start: 212 @25195 has 6 MA's), (230, 25150), (265, 25090), (313, 24994), (315, 24982), (317, 24976), (348, 24931), (405, 24877), (407, 24874), (417, 24850), (530, 24661), (551, 24643), (564, 24631), (587, 24592), (601, 24556), (603, 24550), (610, 24529), (616, 24514), (628, 24496), (716, 24358), (729, 24310), (737, 24280), (739, 24274), (743, 24262), (763, 24223),

Gene: ShiaSurprise_42 Start: 32792, Stop: 33880, Start Num: 156
Candidate Starts for ShiaSurprise_42:
(Start: 156 @32792 has 344 MA's), (Start: 212 @32894 has 6 MA's), (221, 32918), (240, 32954), (313, 33092), (412, 33230), (457, 33299), (458, 33302), (551, 33452), (607, 33557), (713, 33692),

Gene: Shlim410_38 Start: 32549, Stop: 33676, Start Num: 156
Candidate Starts for Shlim410_38:
(Start: 124 @32510 has 7 MA's), (Start: 156 @32549 has 344 MA's), (Start: 184 @32603 has 15 MA's), (237, 32726), (257, 32759), (302, 32849), (315, 32882), (457, 33077), (458, 33080), (480, 33122), (500, 33158), (688, 33455), (721, 33533), (727, 33560), (732, 33575), (739, 33602), (769, 33665),

Gene: Shoya_35 Start: 24881, Stop: 23751, Start Num: 156
Candidate Starts for Shoya_35:
(Start: 156 @24881 has 344 MA's), (Start: 184 @24830 has 15 MA's), (185, 24827), (300, 24602), (317, 24557), (328, 24536), (330, 24533), (351, 24512), (352, 24509), (418, 24395), (473, 24311), (601, 24098), (609, 24074), (616, 24056), (635, 24029), (654, 24002), (671, 23975), (678, 23960), (683, 23951), (725, 23861), (741, 23807), (754, 23777),

Gene: ShroomBoi_42 Start: 32032, Stop: 33150, Start Num: 156
Candidate Starts for ShroomBoi_42:
(Start: 156 @32032 has 344 MA's), (Start: 162 @32041 has 1 MA's), (223, 32170), (240, 32203), (265, 32251), (317, 32368), (340, 32404), (351, 32413), (407, 32494), (418, 32518), (460, 32587), (480, 32626), (489, 32644), (491, 32647), (498, 32659), (500, 32662), (505, 32674), (513, 32689), (527, 32713), (536, 32719), (557, 32740), (585, 32776), (587, 32779), (601, 32815), (603, 32821), (608, 32836), (614, 32851), (671, 32920), (678, 32935), (715, 32977), (725, 33022), (728, 33031), (739, 33070), (745, 33088), (756, 33109), (763, 33124), (769, 33133), (770, 33136),

Gene: Shukran_42 Start: 28423, Stop: 27284, Start Num: 156
Candidate Starts for Shukran_42:
(60, 28612), (76, 28567), (100, 28507), (Start: 156 @28423 has 344 MA's), (Start: 184 @28375 has 15 MA's), (246, 28249), (270, 28210), (340, 28066), (352, 28054), (356, 28048), (412, 27955), (418, 27940), (457, 27880), (471, 27856), (474, 27850), (505, 27787), (605, 27619), (616, 27589), (678, 27493), (728, 27385), (732, 27373), (754, 27310),

Gene: Sidious_37 Start: 31771, Stop: 30602, Start Num: 148
Candidate Starts for Sidious_37:
(Start: 148 @31771 has 95 MA's), (309, 31447), (323, 31411), (363, 31357), (364, 31351), (371, 31339), (374, 31327), (416, 31234), (418, 31228), (428, 31198), (497, 31129), (498, 31126), (513, 31096), (556, 31045), (601, 30973), (639, 30898), (712, 30811), (714, 30799), (737, 30712), (740, 30703), (763, 30658), (786, 30619),

Gene: SilverChicken_53 Start: 32857, Stop: 33975, Start Num: 156
Candidate Starts for SilverChicken_53:
(Start: 156 @32857 has 344 MA's), (Start: 162 @32866 has 1 MA's), (240, 33028), (265, 33076), (317, 33193), (340, 33229), (351, 33238), (418, 33343), (460, 33412), (480, 33451), (489, 33469), (491, 33472), (498, 33484), (500, 33487), (505, 33499), (527, 33538), (536, 33544), (557, 33565), (585, 33601), (587, 33604), (601, 33640), (603, 33646), (607, 33658), (608, 33661), (614, 33676), (671, 33745), (678, 33760), (715, 33802), (725, 33847), (728, 33856), (739, 33895), (745, 33913), (756, 33934), (763, 33949), (769, 33958), (770, 33961),

Gene: SimranZ1_43 Start: 31600, Stop: 32718, Start Num: 156
Candidate Starts for SimranZ1_43:
(Start: 156 @31600 has 344 MA's), (223, 31738), (240, 31771), (265, 31819), (340, 31972), (351, 31981), (407, 32062), (460, 32155), (491, 32215), (498, 32227), (500, 32230), (513, 32257), (527, 32281), (557, 32308), (585, 32344), (587, 32347), (601, 32383), (614, 32419), (671, 32488), (678, 32503), (698, 32521), (725, 32590), (728, 32599), (739, 32638), (745, 32656), (756, 32677), (763, 32692), (769, 32701), (770, 32704),

Gene: Skitty_31 Start: 24174, Stop: 23056, Start Num: 145
Candidate Starts for Skitty_31:
(Start: 145 @24174 has 5 MA's), (248, 23979), (261, 23952), (284, 23913), (325, 23823), (330, 23814), (370, 23757), (373, 23745), (374, 23742), (377, 23733), (379, 23721), (408, 23661), (411, 23652), (421, 23637), (489, 23571), (497, 23556), (505, 23538), (519, 23514), (520, 23511), (581, 23436), (602, 23388), (607, 23373), (614, 23352), (639, 23325), (737, 23139), (763, 23085),

Gene: Sknot_34 Start: 26566, Stop: 25382, Start Num: 102
Candidate Starts for Sknot_34:
(Start: 102 @26566 has 2 MA's), (Start: 150 @26503 has 130 MA's), (Start: 184 @26449 has 15 MA's), (Start: 212 @26380 has 6 MA's), (230, 26335), (297, 26209), (323, 26152), (348, 26116), (405, 26062), (407, 26059), (480, 25936), (489, 25918), (551, 25828), (564, 25816), (601, 25741), (603, 25735), (610, 25714), (616, 25699), (628, 25681), (649, 25654), (729, 25495), (737, 25465), (739, 25459), (743, 25447), (763, 25408),

Gene: Sleepyhead_38 Start: 29423, Stop: 28182, Start Num: 176
Candidate Starts for Sleepyhead_38:
(149, 29465), (Start: 176 @29423 has 3 MA's), (244, 29285), (277, 29213), (390, 29036), (410, 28997), (417, 28979), (507, 28808), (523, 28781), (550, 28742), (569, 28715), (598, 28667), (609, 28634), (623, 28610), (650, 28568), (665, 28538), (679, 28520), (692, 28499), (712, 28469), (725, 28409), (728, 28400), (763, 28307), (801, 28229), (802, 28205),

Gene: Slimphazie_41 Start: 32477, Stop: 33565, Start Num: 156
Candidate Starts for Slimphazie_41:
(Start: 156 @32477 has 344 MA's), (Start: 184 @32528 has 15 MA's), (Start: 212 @32579 has 6 MA's), (221, 32603), (240, 32639), (313, 32777), (340, 32831), (412, 32915), (457, 32984), (458, 32987), (551, 33137), (597, 33215), (607, 33242), (671, 33329), (713, 33377),

Gene: Smeagan_36 Start: 26880, Stop: 25771, Start Num: 150
Candidate Starts for Smeagan_36:
(Start: 124 @26913 has 7 MA's), (Start: 135 @26895 has 6 MA's), (Start: 150 @26880 has 130 MA's), (Start: 190 @26814 has 8 MA's), (Start: 212 @26766 has 6 MA's), (230, 26721), (313, 26565), (317, 26547), (323, 26538), (348, 26502), (407, 26445), (455, 26367), (471, 26343), (476, 26334), (480, 26322), (489, 26304), (551, 26214), (564, 26202), (593, 26145), (601, 26127), (610, 26100), (616, 26085), (628, 26067), (649, 26040), (654, 26031), (716, 25929), (729, 25881), (730, 25878), (737, 25851), (739, 25845), (743, 25833), (763, 25794),

Gene: Smoothie_85 Start: 51934, Stop: 53232, Start Num: 155
Candidate Starts for Smoothie_85:
(Start: 155 @51934 has 15 MA's), (188, 52000), (233, 52102), (249, 52129), (259, 52141), (274, 52171), (290, 52210), (301, 52228), (333, 52294), (342, 52303), (378, 52387), (420, 52477), (497, 52636), (500, 52642), (502, 52645), (577, 52771), (606, 52840), (646, 52918), (676, 52969), (712, 52996), (720, 53032), (721, 53035), (722, 53038), (723, 53044), (725, 53056), (727, 53062), (728, 53065), (729, 53068), (737, 53098), (758, 53146), (762, 53155), (779, 53185),

Gene: SnapTap_34 Start: 26396, Stop: 25329, Start Num: 184
Candidate Starts for SnapTap_34:
(Start: 102 @26513 has 2 MA's), (Start: 150 @26450 has 130 MA's), (Start: 184 @26396 has 15 MA's), (Start: 212 @26327 has 6 MA's), (230, 26282), (297, 26156), (317, 26108), (323, 26099), (348, 26063), (405, 26009), (407, 26006), (480, 25883), (489, 25865), (505, 25835), (547, 25781), (551, 25775), (564, 25763), (601, 25688), (603, 25682), (610, 25661), (616, 25646), (628, 25628), (649, 25601), (716, 25490), (729, 25442), (737, 25412), (739, 25406), (743, 25394), (763, 25355),

Gene: Snickers_36 Start: 26763, Stop: 25618, Start Num: 150
Candidate Starts for Snickers_36:
(Start: 150 @26763 has 130 MA's), (Start: 175 @26724 has 11 MA's), (198, 26676), (Start: 212 @26640 has 6 MA's), (230, 26595), (313, 26439), (323, 26412), (348, 26376), (407, 26319), (455, 26241), (471, 26217), (489, 26178), (530, 26106), (547, 26094), (551, 26088), (564, 26076), (601, 26001), (603, 25995), (610, 25974), (616, 25959), (628, 25941), (647, 25917), (716, 25803), (728, 25758), (729, 25755), (732, 25746), (737, 25725), (739, 25719), (743, 25707), (763, 25668),

Gene: SoYo_36 Start: 26701, Stop: 25556, Start Num: 150
Candidate Starts for SoYo_36:
(Start: 150 @26701 has 130 MA's), (Start: 175 @26662 has 11 MA's), (198, 26614), (Start: 212 @26578 has 6 MA's), (230, 26533), (313, 26377), (323, 26350), (348, 26314), (407, 26257), (455, 26179), (471, 26155), (489, 26116), (530, 26044), (547, 26032), (551, 26026), (564, 26014), (601, 25939), (603, 25933), (610, 25912), (616, 25897), (628, 25879), (647, 25855), (716, 25741), (728, 25696), (729, 25693), (732, 25684), (737, 25663), (739, 25657), (743, 25645), (763, 25606),

Gene: SoilAssassin_34 Start: 27695, Stop: 28777, Start Num: 154
Candidate Starts for SoilAssassin_34:
(Start: 86 @27584 has 6 MA's), (Start: 154 @27695 has 64 MA's), (Start: 184 @27749 has 15 MA's), (245, 27869), (405, 28124), (418, 28154), (458, 28214), (493, 28280), (505, 28304), (721, 28634), (727, 28661), (769, 28766),

Gene: SoilDragon_35 Start: 26236, Stop: 25091, Start Num: 150
Candidate Starts for SoilDragon_35:
(Start: 150 @26236 has 130 MA's), (Start: 175 @26197 has 11 MA's), (198, 26149), (Start: 212 @26113 has 6 MA's), (230, 26068), (313, 25912), (323, 25885), (348, 25849), (407, 25792), (455, 25714), (471, 25690), (489, 25651), (530, 25579), (547, 25567), (551, 25561), (564, 25549), (601, 25474), (603, 25468), (610, 25447), (616, 25432), (628, 25414), (716, 25276), (728, 25231), (729,

25228), (732, 25219), (737, 25198), (739, 25192), (743, 25180), (763, 25141),

Gene: SonDevVon_40 Start: 28176, Stop: 27004, Start Num: 156
Candidate Starts for SonDevVon_40:
(Start: 156 @28176 has 344 MA's), (214, 28059), (279, 27939), (351, 27807), (407, 27729), (413, 27711), (457, 27642), (462, 27633), (493, 27573), (553, 27483), (608, 27378), (618, 27357), (632, 27333), (635, 27330), (715, 27207), (721, 27183), (724, 27168), (770, 27048), (786, 27021),

Gene: Sonali_29 Start: 28564, Stop: 29715, Start Num: 156
Candidate Starts for Sonali_29:
(Start: 127 @28522 has 1 MA's), (Start: 156 @28564 has 344 MA's), (Start: 162 @28573 has 1 MA's), (245, 28741), (360, 28918), (407, 28990), (513, 29185), (686, 29473), (724, 29569), (727, 29581), (728, 29584),

Gene: Soul22_46 Start: 32314, Stop: 33432, Start Num: 156
Candidate Starts for Soul22_46:
(Start: 156 @32314 has 344 MA's), (240, 32485), (340, 32686), (351, 32695), (407, 32776), (460, 32869), (491, 32929), (498, 32941), (500, 32944), (513, 32971), (527, 32995), (557, 33022), (585, 33058), (587, 33061), (601, 33097), (614, 33133), (671, 33202), (678, 33217), (698, 33235), (725, 33304), (728, 33313), (739, 33352), (745, 33370), (756, 33391), (763, 33406), (769, 33415), (770, 33418),

Gene: Sparky_45 Start: 33811, Stop: 34989, Start Num: 160
Candidate Starts for Sparky_45:
(Start: 160 @33811 has 3 MA's), (Start: 184 @33859 has 15 MA's), (216, 33925), (240, 33970), (315, 34120), (340, 34162), (412, 34276), (420, 34303), (457, 34351), (458, 34354), (500, 34435), (505, 34447), (583, 34552), (601, 34594), (606, 34609), (611, 34624), (635, 34648), (713, 34759), (727, 34819), (756, 34900), (761, 34912), (783, 34951),

Gene: Spartacus_41 Start: 31407, Stop: 32525, Start Num: 156
Candidate Starts for Spartacus_41:
(Start: 156 @31407 has 344 MA's), (Start: 162 @31416 has 1 MA's), (240, 31578), (351, 31788), (407, 31869), (460, 31962), (480, 32001), (491, 32022), (498, 32034), (500, 32037), (519, 32073), (527, 32088), (536, 32094), (557, 32115), (585, 32151), (587, 32154), (601, 32190), (603, 32196), (614, 32226), (639, 32247), (671, 32295), (678, 32310), (715, 32352), (725, 32397), (728, 32406), (739, 32445), (745, 32463), (756, 32484), (763, 32499), (769, 32508), (770, 32511),

Gene: Spartan_32 Start: 30530, Stop: 29343, Start Num: 161
Candidate Starts for Spartan_32:
(Start: 161 @30530 has 4 MA's), (237, 30392), (276, 30302), (308, 30236), (311, 30227), (402, 30101), (417, 30068), (419, 30062), (426, 30041), (448, 29996), (507, 29912), (582, 29807), (625, 29720), (721, 29540), (732, 29498), (757, 29429), (763, 29417), (777, 29402),

Gene: Spartoi_37 Start: 25898, Stop: 24921, Start Num: 215
Candidate Starts for Spartoi_37:
(Start: 156 @26012 has 344 MA's), (178, 25973), (Start: 184 @25961 has 15 MA's), (Start: 215 @25898 has 1 MA's), (223, 25883), (310, 25718), (330, 25670), (332, 25667), (385, 25643), (412, 25583), (474, 25481), (493, 25442), (603, 25262), (611, 25238), (616, 25226), (654, 25166), (671, 25139), (679, 25124), (684, 25115), (713, 25085), (715, 25076), (725, 25031), (727, 25025), (745, 24965), (754, 24947),

Gene: Sparxx_33 Start: 26249, Stop: 25128, Start Num: 150
Candidate Starts for Sparxx_33:

(Start: 105 @26294 has 3 MA's), (Start: 124 @26267 has 7 MA's), (Start: 150 @26249 has 130 MA's), (Start: 190 @26180 has 8 MA's), (Start: 212 @26126 has 6 MA's), (317, 25907), (323, 25898), (348, 25862), (400, 25820), (405, 25808), (407, 25805), (455, 25727), (530, 25592), (551, 25574), (601, 25487), (603, 25481), (610, 25460), (616, 25445), (628, 25427), (716, 25289), (729, 25241), (737, 25211), (739, 25205), (743, 25193), (763, 25154),

Gene: SpicyFrank_39 Start: 27481, Stop: 26348, Start Num: 156
Candidate Starts for SpicyFrank_39:
(Start: 97 @27571 has 1 MA's), (108, 27550), (Start: 156 @27481 has 344 MA's), (Start: 184 @27430 has 15 MA's), (270, 27262), (279, 27244), (332, 27130), (351, 27112), (407, 27034), (457, 26947), (462, 26938), (493, 26878), (519, 26830), (553, 26788), (608, 26683), (632, 26638), (635, 26635), (715, 26518), (721, 26494), (724, 26479), (747, 26404), (761, 26374),

Gene: Splinter_37 Start: 27965, Stop: 26850, Start Num: 187
Candidate Starts for Splinter_37:
(Start: 150 @28034 has 130 MA's), (Start: 187 @27965 has 13 MA's), (358, 27626), (390, 27593), (541, 27299), (559, 27287), (580, 27254), (652, 27107), (732, 26936), (739, 26909),

Gene: Spock_41 Start: 32596, Stop: 33684, Start Num: 156
Candidate Starts for Spock_41:
(26, 32212), (37, 32299), (52, 32374), (Start: 156 @32596 has 344 MA's), (Start: 184 @32647 has 15 MA's), (Start: 212 @32698 has 6 MA's), (221, 32722), (240, 32758), (313, 32896), (412, 33034), (457, 33103), (458, 33106), (551, 33256), (607, 33361), (713, 33496),

Gene: Spooks_11 Start: 8825, Stop: 7629, Start Num: 159
Candidate Starts for Spooks_11:
(Start: 159 @8825 has 3 MA's), (178, 8792), (201, 8759), (250, 8645), (253, 8639), (276, 8588), (311, 8516), (393, 8405), (461, 8264), (480, 8246), (538, 8153), (590, 8075), (609, 8030), (613, 8018), (689, 7886), (720, 7820), (724, 7802), (728, 7787), (732, 7775), (748, 7727), (789, 7652), (790, 7649),

Gene: Sporco_40 Start: 27760, Stop: 26621, Start Num: 156
Candidate Starts for Sporco_40:
(142, 27778), (Start: 156 @27760 has 344 MA's), (Start: 184 @27709 has 15 MA's), (270, 27541), (279, 27523), (351, 27391), (407, 27313), (412, 27301), (413, 27295), (457, 27226), (462, 27217), (493, 27157), (553, 27067), (608, 26962), (618, 26941), (635, 26914), (715, 26791), (721, 26767), (724, 26752), (747, 26677), (761, 26647),

Gene: Sprinklemunch_44 Start: 33982, Stop: 32723, Start Num: 148
Candidate Starts for Sprinklemunch_44:
(Start: 148 @33982 has 95 MA's), (204, 33865), (349, 33583), (371, 33547), (374, 33535), (390, 33490), (558, 33250), (561, 33247), (607, 33154), (639, 33094), (686, 33016), (708, 32977), (712, 32965), (725, 32908), (743, 32848), (759, 32821), (763, 32812), (786, 32773), (798, 32743),

Gene: Sproutie_37 Start: 27875, Stop: 28957, Start Num: 154
Candidate Starts for Sproutie_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: Squint_87 Start: 50854, Stop: 52128, Start Num: 103
Candidate Starts for Squint_87:
(81, 50797), (Start: 97 @50839 has 1 MA's), (Start: 103 @50854 has 10 MA's), (106, 50857), (Start: 136 @50902 has 1 MA's), (Start: 162 @50941 has 1 MA's), (338, 51322), (400, 51406), (405, 51418),

(407, 51421), (468, 51550), (550, 51670), (589, 51733), (599, 51751), (608, 51775), (650, 51847), (736, 52024), (737, 52027), (739, 52033), (745, 52051), (753, 52066), (757, 52075), (759, 52078), (785, 52123),

Gene: Squirty_35 Start: 28972, Stop: 30078, Start Num: 156
Candidate Starts for Squirty_35:
(Start: 140 @28951 has 7 MA's), (Start: 156 @28972 has 344 MA's), (235, 29131), (250, 29167), (330, 29332), (412, 29428), (417, 29440), (433, 29473), (457, 29497), (493, 29566), (498, 29575), (500, 29578), (527, 29629), (551, 29650), (597, 29728), (603, 29743), (646, 29803), (671, 29842), (678, 29857), (695, 29881), (715, 29908), (721, 29932), (725, 29953), (728, 29962), (745, 30019),

Gene: StAB_26 Start: 25588, Stop: 24371, Start Num: 176
Candidate Starts for StAB_26:
(137, 25651), (Start: 176 @25588 has 3 MA's), (247, 25408), (263, 25375), (322, 25243), (396, 25153), (405, 25135), (412, 25120), (417, 25108), (426, 25081), (442, 25054), (456, 25021), (461, 25012), (506, 24949), (517, 24931), (525, 24916), (544, 24895), (587, 24829), (615, 24751), (629, 24730), (634, 24718), (638, 24715), (655, 24685), (702, 24616), (706, 24610), (712, 24598), (715, 24583), (721, 24559), (722, 24556), (724, 24544), (728, 24529), (732, 24517), (737, 24496), (741, 24484), (756, 24451), (772, 24424), (787, 24406), (796, 24385), (799, 24376),

Gene: StAnnes_42 Start: 33543, Stop: 34661, Start Num: 156
Candidate Starts for StAnnes_42:
(Start: 156 @33543 has 344 MA's), (Start: 162 @33552 has 1 MA's), (240, 33714), (317, 33879), (340, 33915), (351, 33924), (418, 34029), (460, 34098), (480, 34137), (491, 34158), (498, 34170), (500, 34173), (505, 34185), (527, 34224), (536, 34230), (557, 34251), (585, 34287), (587, 34290), (601, 34326), (603, 34332), (608, 34347), (671, 34431), (678, 34446), (715, 34488), (725, 34533), (728, 34542), (739, 34581), (745, 34599), (756, 34620), (763, 34635), (769, 34644), (770, 34647),

Gene: Stagni_36 Start: 26792, Stop: 25647, Start Num: 150
Candidate Starts for Stagni_36:
(Start: 150 @26792 has 130 MA's), (Start: 175 @26753 has 11 MA's), (198, 26705), (Start: 212 @26669 has 6 MA's), (230, 26624), (313, 26468), (323, 26441), (348, 26405), (407, 26348), (455, 26270), (471, 26246), (489, 26207), (530, 26135), (547, 26123), (551, 26117), (564, 26105), (601, 26030), (603, 26024), (610, 26003), (616, 25988), (628, 25970), (647, 25946), (716, 25832), (728, 25787), (729, 25784), (732, 25775), (737, 25754), (739, 25748), (743, 25736), (763, 25697),

Gene: StarStuff_37 Start: 26423, Stop: 25353, Start Num: 184
Candidate Starts for StarStuff_37:
(Start: 150 @26477 has 130 MA's), (Start: 184 @26423 has 15 MA's), (Start: 212 @26354 has 6 MA's), (313, 26153), (323, 26126), (348, 26090), (407, 26033), (418, 26006), (455, 25955), (476, 25922), (480, 25910), (489, 25892), (530, 25820), (551, 25802), (564, 25790), (587, 25751), (601, 25715), (603, 25709), (610, 25688), (616, 25673), (628, 25655), (649, 25628), (716, 25517), (729, 25469), (730, 25466), (737, 25439), (739, 25433), (743, 25421), (763, 25382),

Gene: Stellammi_61 Start: 36349, Stop: 37437, Start Num: 156
Candidate Starts for Stellammi_61:
(Start: 156 @36349 has 344 MA's), (Start: 184 @36400 has 15 MA's), (223, 36478), (237, 36505), (254, 36541), (265, 36556), (270, 36568), (284, 36598), (314, 36658), (323, 36682), (330, 36697), (340, 36709), (351, 36718), (407, 36781), (412, 36793), (420, 36814), (457, 36862), (476, 36895), (493, 36931), (500, 36943), (527, 36994), (559, 37024), (607, 37117), (611, 37129), (635, 37150), (639, 37156), (654, 37177), (658, 37183), (671, 37204), (678, 37219), (688, 37231), (695, 37243), (721, 37294), (727, 37321), (741, 37369), (771, 37429),

Gene: StepMih_36 Start: 26783, Stop: 25638, Start Num: 150
Candidate Starts for StepMih_36:
(Start: 150 @26783 has 130 MA's), (Start: 175 @26744 has 11 MA's), (198, 26696), (Start: 212 @26660 has 6 MA's), (230, 26615), (313, 26459), (323, 26432), (348, 26396), (407, 26339), (455, 26261), (471, 26237), (489, 26198), (530, 26126), (547, 26114), (551, 26108), (564, 26096), (601, 26021), (603, 26015), (610, 25994), (616, 25979), (628, 25961), (647, 25937), (716, 25823), (728, 25778), (729, 25775), (732, 25766), (737, 25745), (739, 25739), (743, 25727), (763, 25688),

Gene: Stiles_27 Start: 25121, Stop: 23991, Start Num: 179
Candidate Starts for Stiles_27:
(Start: 179 @25121 has 3 MA's), (188, 25106), (201, 25082), (253, 24968), (271, 24929), (288, 24887), (308, 24854), (311, 24845), (322, 24818), (331, 24800), (402, 24716), (410, 24701), (426, 24656), (463, 24596), (503, 24554), (507, 24542), (512, 24536), (523, 24515), (555, 24470), (563, 24461), (565, 24458), (567, 24455), (578, 24434), (613, 24350), (619, 24344), (630, 24326), (651, 24296), (695, 24239), (716, 24197), (721, 24182), (724, 24167), (725, 24161), (728, 24152), (731, 24143), (739, 24113), (757, 24071), (770, 24050), (772, 24047), (777, 24038), (793, 24011), (799, 23996),

Gene: Stinson_42 Start: 32990, Stop: 34078, Start Num: 156
Candidate Starts for Stinson_42:
(Start: 156 @32990 has 344 MA's), (Start: 212 @33092 has 6 MA's), (221, 33116), (240, 33152), (270, 33203), (300, 33266), (313, 33290), (340, 33344), (347, 33347), (412, 33428), (457, 33497), (458, 33500), (551, 33650), (597, 33728), (607, 33755), (713, 33890),

Gene: Strobilo_43 Start: 34292, Stop: 35392, Start Num: 156
Candidate Starts for Strobilo_43:
(Start: 156 @34292 has 344 MA's), (165, 34310), (Start: 184 @34343 has 15 MA's), (221, 34418), (240, 34454), (300, 34568), (313, 34592), (340, 34646), (436, 34787), (457, 34811), (458, 34814), (480, 34856), (551, 34964), (607, 35069), (643, 35114), (654, 35129), (741, 35321),

Gene: Strokeseat_41 Start: 31786, Stop: 32904, Start Num: 156
Candidate Starts for Strokeseat_41:
(Start: 156 @31786 has 344 MA's), (240, 31957), (317, 32122), (340, 32158), (351, 32167), (418, 32272), (460, 32341), (480, 32380), (491, 32401), (498, 32413), (500, 32416), (505, 32428), (527, 32467), (536, 32473), (557, 32494), (585, 32530), (587, 32533), (601, 32569), (603, 32575), (607, 32587), (608, 32590), (614, 32605), (671, 32674), (678, 32689), (698, 32707), (725, 32776), (728, 32785), (739, 32824), (745, 32842), (756, 32863), (763, 32878), (769, 32887), (770, 32890),

Gene: StuartMinion_28 Start: 20996, Stop: 19803, Start Num: 148
Candidate Starts for StuartMinion_28:
(Start: 148 @20996 has 95 MA's), (371, 20567), (497, 20336), (566, 20237), (612, 20132), (618, 20120), (720, 19961), (770, 19832),

Gene: Success_11 Start: 8095, Stop: 6848, Start Num: 159
Candidate Starts for Success_11:
(Start: 159 @8095 has 3 MA's), (220, 7975), (438, 7570), (451, 7537), (456, 7528), (504, 7474), (535, 7420), (550, 7402), (567, 7381), (590, 7336), (609, 7285), (675, 7162), (753, 6976), (763, 6955), (792, 6907),

Gene: Suerte_34 Start: 29564, Stop: 28395, Start Num: 148
Candidate Starts for Suerte_34:
(Start: 148 @29564 has 95 MA's), (227, 29402), (310, 29240), (315, 29222), (362, 29156), (370, 29138), (374, 29123), (390, 29078), (412, 29039), (416, 29030), (423, 29009), (424, 29006), (498, 28922), (611, 28739), (616, 28727), (639, 28691), (658, 28661), (712, 28604), (714, 28592), (717,

28577), (743, 28487), (763, 28451), (786, 28412), (790, 28403),

Gene: Sulley_41 Start: 32725, Stop: 33810, Start Num: 156
Candidate Starts for Sulley_41:
(Start: 156 @32725 has 344 MA's), (Start: 212 @32827 has 6 MA's), (214, 32836), (221, 32851), (240, 32887), (313, 33025), (340, 33079), (412, 33163), (457, 33232), (458, 33235), (551, 33385), (607, 33490), (671, 33577), (713, 33625), (757, 33769),

Gene: Sunshine23_30 Start: 28582, Stop: 29733, Start Num: 156
Candidate Starts for Sunshine23_30:
(Start: 127 @28540 has 1 MA's), (Start: 156 @28582 has 344 MA's), (Start: 162 @28591 has 1 MA's), (245, 28759), (360, 28936), (407, 29008), (513, 29203), (686, 29491), (724, 29587), (727, 29599), (728, 29602),

Gene: SuperGrey_42 Start: 32615, Stop: 33742, Start Num: 156
Candidate Starts for SuperGrey_42:
(88, 32513), (123, 32570), (Start: 156 @32615 has 344 MA's), (Start: 162 @32624 has 1 MA's), (240, 32786), (263, 32837), (270, 32855), (289, 32900), (340, 32996), (351, 33005), (407, 33086), (418, 33110), (460, 33179), (480, 33218), (491, 33239), (498, 33251), (500, 33254), (513, 33281), (527, 33305), (536, 33311), (557, 33332), (585, 33368), (587, 33371), (601, 33407), (603, 33413), (607, 33425), (608, 33428), (614, 33443), (671, 33512), (678, 33527), (715, 33569), (725, 33614), (728, 33623), (739, 33662), (745, 33680), (756, 33701), (763, 33716), (769, 33725), (770, 33728),

Gene: Superchunk_33 Start: 24997, Stop: 23882, Start Num: 154
Candidate Starts for Superchunk_33:
(Start: 154 @24997 has 64 MA's), (Start: 184 @24949 has 15 MA's), (198, 24916), (Start: 212 @24880 has 6 MA's), (230, 24835), (315, 24667), (323, 24652), (348, 24616), (400, 24574), (405, 24562), (407, 24559), (460, 24472), (471, 24457), (551, 24328), (564, 24316), (576, 24295), (587, 24277), (601, 24241), (610, 24214), (616, 24199), (628, 24181), (649, 24154), (716, 24043), (729, 23995), (737, 23965), (739, 23959), (743, 23947), (763, 23908),

Gene: Superphikiman_84 Start: 49930, Stop: 51219, Start Num: 97
Candidate Starts for Superphikiman_84:
(81, 49888), (Start: 97 @49930 has 1 MA's), (Start: 103 @49945 has 10 MA's), (106, 49948), (Start: 136 @49993 has 1 MA's), (Start: 162 @50032 has 1 MA's), (338, 50413), (400, 50497), (405, 50509), (407, 50512), (468, 50641), (550, 50761), (589, 50824), (599, 50842), (608, 50866), (650, 50938), (736, 51115), (737, 51118), (739, 51124), (745, 51142), (753, 51157), (757, 51166), (759, 51169), (785, 51214),

Gene: Suscepit_39 Start: 30564, Stop: 31646, Start Num: 154
Candidate Starts for Suscepit_39:
(Start: 86 @30453 has 6 MA's), (Start: 154 @30564 has 64 MA's), (Start: 184 @30618 has 15 MA's), (245, 30738), (405, 30993), (418, 31023), (458, 31083), (493, 31149), (505, 31173), (721, 31503), (727, 31530), (769, 31635),

Gene: SushiChef_36 Start: 30265, Stop: 31293, Start Num: 184
Candidate Starts for SushiChef_36:
(Start: 86 @30100 has 6 MA's), (Start: 154 @30211 has 64 MA's), (Start: 184 @30265 has 15 MA's), (245, 30385), (458, 30730), (493, 30796), (505, 30820), (585, 30925), (721, 31150), (727, 31177), (741, 31225), (769, 31282),

Gene: SussRoloMann_39 Start: 31322, Stop: 30051, Start Num: 148
Candidate Starts for SussRoloMann_39:

(Start: 148 @31322 has 95 MA's), (Start: 156 @31307 has 344 MA's), (204, 31205), (226, 31163), (230, 31151), (269, 31076), (306, 31001), (310, 30992), (315, 30974), (374, 30875), (375, 30872), (416, 30782), (497, 30677), (554, 30581), (558, 30575), (639, 30413), (714, 30272), (725, 30227), (740, 30176), (743, 30167), (750, 30152), (759, 30140), (765, 30128), (791, 30089),

Gene: SwagPigglett_45 Start: 33012, Stop: 34130, Start Num: 156
Candidate Starts for SwagPigglett_45:
(Start: 156 @33012 has 344 MA's), (223, 33150), (240, 33183), (265, 33231), (317, 33348), (340, 33384), (351, 33393), (418, 33498), (460, 33567), (491, 33627), (498, 33639), (500, 33642), (505, 33654), (513, 33669), (527, 33693), (536, 33699), (557, 33720), (585, 33756), (587, 33759), (601, 33795), (603, 33801), (607, 33813), (608, 33816), (671, 33900), (678, 33915), (715, 33957), (725, 34002), (728, 34011), (739, 34050), (745, 34068), (756, 34089), (763, 34104), (769, 34113), (770, 34116),

Gene: SweetiePie_34 Start: 26396, Stop: 25329, Start Num: 184
Candidate Starts for SweetiePie_34:
(Start: 102 @26513 has 2 MA's), (Start: 150 @26450 has 130 MA's), (Start: 184 @26396 has 15 MA's), (Start: 212 @26327 has 6 MA's), (230, 26282), (297, 26156), (317, 26108), (323, 26099), (348, 26063), (405, 26009), (407, 26006), (480, 25883), (489, 25865), (505, 25835), (547, 25781), (551, 25775), (564, 25763), (601, 25688), (603, 25682), (610, 25661), (616, 25646), (628, 25628), (649, 25601), (716, 25490), (729, 25442), (737, 25412), (739, 25406), (743, 25394), (763, 25355),

Gene: SwirlSquare_34 Start: 25021, Stop: 23906, Start Num: 154
Candidate Starts for SwirlSquare_34:
(Start: 154 @25021 has 64 MA's), (198, 24940), (Start: 212 @24904 has 6 MA's), (230, 24859), (278, 24772), (313, 24703), (315, 24691), (317, 24685), (348, 24640), (368, 24622), (400, 24598), (405, 24586), (407, 24583), (551, 24352), (564, 24340), (601, 24265), (610, 24238), (616, 24223), (628, 24205), (649, 24178), (729, 24019), (737, 23989), (739, 23983), (743, 23971), (763, 23932),

Gene: Syleon_7 Start: 2611, Stop: 1523, Start Num: 183
Candidate Starts for Syleon_7:
(122, 2716), (172, 2632), (Start: 183 @2611 has 4 MA's), (264, 2440), (308, 2350), (315, 2326), (326, 2305), (484, 2074), (507, 2041), (533, 1999), (544, 1984), (559, 1963), (567, 1954), (569, 1948), (609, 1864), (617, 1849), (672, 1762), (692, 1729), (727, 1636), (736, 1603), (739, 1594), (741, 1588),

Gene: TChen_44 Start: 33582, Stop: 34700, Start Num: 156
Candidate Starts for TChen_44:
(Start: 156 @33582 has 344 MA's), (Start: 162 @33591 has 1 MA's), (223, 33720), (240, 33753), (265, 33801), (340, 33954), (351, 33963), (407, 34044), (460, 34137), (491, 34197), (498, 34209), (500, 34212), (513, 34239), (527, 34263), (557, 34290), (585, 34326), (587, 34329), (601, 34365), (614, 34401), (671, 34470), (678, 34485), (698, 34503), (725, 34572), (728, 34581), (739, 34620), (745, 34638), (756, 34659), (763, 34674),

Gene: TClif_45 Start: 33489, Stop: 34589, Start Num: 156
Candidate Starts for TClif_45:
(Start: 156 @33489 has 344 MA's), (221, 33615), (240, 33651), (313, 33789), (340, 33843), (412, 33927), (436, 33984), (457, 34008), (458, 34011), (480, 34053), (551, 34161), (587, 34212), (606, 34263), (607, 34266), (643, 34311), (654, 34326), (713, 34401), (724, 34449), (757, 34545),

Gene: TNguyen7_33 Start: 26286, Stop: 25138, Start Num: 130
Candidate Starts for TNguyen7_33:
(Start: 130 @26286 has 2 MA's), (Start: 140 @26277 has 7 MA's), (Start: 212 @26142 has 6 MA's), (230, 26097), (313, 25941), (318, 25920), (323, 25914), (348, 25878), (407, 25821), (455, 25743),

(530, 25608), (551, 25590), (564, 25578), (587, 25539), (601, 25503), (603, 25497), (610, 25476), (616, 25461), (628, 25443), (649, 25416), (716, 25305), (729, 25257), (737, 25227), (739, 25221), (743, 25209), (763, 25170),

Gene: TPA4_37 Start: 32608, Stop: 31376, Start Num: 148
Candidate Starts for TPA4_37:
(142, 32614), (Start: 148 @32608 has 95 MA's), (374, 32161), (390, 32116), (469, 32005), (498, 31960), (543, 31879), (561, 31855), (564, 31849), (575, 31831), (612, 31741), (664, 31654), (699, 31603), (708, 31582), (712, 31570), (737, 31471), (743, 31453), (759, 31426),

Gene: TZGordon_39 Start: 27285, Stop: 26170, Start Num: 187
Candidate Starts for TZGordon_39:
(Start: 187 @27285 has 13 MA's), (358, 26946), (390, 26913), (541, 26619), (559, 26607), (652, 26427), (732, 26256), (739, 26229),

Gene: Tachez_41 Start: 32439, Stop: 33527, Start Num: 156
Candidate Starts for Tachez_41:
(Start: 156 @32439 has 344 MA's), (Start: 184 @32490 has 15 MA's), (Start: 212 @32541 has 6 MA's), (221, 32565), (240, 32601), (313, 32739), (340, 32793), (412, 32877), (457, 32946), (458, 32949), (551, 33099), (597, 33177), (607, 33204), (671, 33291), (713, 33339),

Gene: TaiwanKao_43 Start: 32721, Stop: 33809, Start Num: 156
Candidate Starts for TaiwanKao_43:
(Start: 156 @32721 has 344 MA's), (Start: 212 @32823 has 6 MA's), (221, 32847), (240, 32883), (340, 33075), (412, 33159), (457, 33228), (458, 33231), (551, 33381), (597, 33459), (607, 33486), (713, 33621), (757, 33765),

Gene: Taj_45 Start: 32606, Stop: 33709, Start Num: 156
Candidate Starts for Taj_45:
(Start: 156 @32606 has 344 MA's), (Start: 184 @32654 has 15 MA's), (223, 32735), (235, 32762), (340, 32975), (364, 32999), (407, 33047), (457, 33128), (493, 33197), (498, 33206), (513, 33236), (527, 33260), (551, 33281), (597, 33359), (603, 33374), (646, 33434), (671, 33473), (678, 33488), (695, 33512), (715, 33539), (721, 33563), (725, 33584), (728, 33593), (741, 33638), (745, 33650),

Gene: Taotie_123 Start: 63098, Stop: 61953, Start Num: 172
Candidate Starts for Taotie_123:
(172, 63098), (476, 62546), (509, 62474), (569, 62393), (579, 62375), (592, 62351), (604, 62315), (613, 62288), (734, 62036), (742, 62015),

Gene: TarsusIV_33 Start: 26409, Stop: 25285, Start Num: 144
Candidate Starts for TarsusIV_33:
(101, 26469), (114, 26451), (Start: 144 @26409 has 10 MA's), (Start: 212 @26286 has 6 MA's), (230, 26241), (313, 26085), (323, 26058), (348, 26022), (407, 25965), (455, 25887), (476, 25854), (480, 25842), (489, 25824), (551, 25734), (554, 25731), (564, 25722), (601, 25647), (610, 25620), (616, 25605), (628, 25587), (716, 25449), (729, 25401), (730, 25398), (737, 25371), (739, 25365), (743, 25353), (763, 25314),

Gene: Taurus_36 Start: 26750, Stop: 25644, Start Num: 175
Candidate Starts for Taurus_36:
(Start: 150 @26789 has 130 MA's), (Start: 175 @26750 has 11 MA's), (198, 26702), (Start: 212 @26666 has 6 MA's), (230, 26621), (313, 26465), (323, 26438), (348, 26402), (407, 26345), (455, 26267), (471, 26243), (489, 26204), (530, 26132), (547, 26120), (551, 26114), (564, 26102), (601, 26027), (603, 26021), (610, 26000), (616, 25985), (628, 25967), (647, 25943), (716, 25829), (728,

25784), (729, 25781), (732, 25772), (737, 25751), (739, 25745), (743, 25733), (763, 25694),

Gene: TaylorSipht_34 Start: 24061, Stop: 22877, Start Num: 148
Candidate Starts for TaylorSipht_34:
(Start: 148 @24061 has 95 MA's), (325, 23707), (364, 23644), (371, 23632), (375, 23617), (460, 23464), (551, 23323), (566, 23302), (608, 23209), (612, 23197), (717, 23035), (720, 23026),

Gene: Tayonia_39 Start: 30563, Stop: 31645, Start Num: 154
Candidate Starts for Tayonia_39:
(Start: 86 @30452 has 6 MA's), (Start: 154 @30563 has 64 MA's), (Start: 184 @30617 has 15 MA's), (245, 30737), (405, 30992), (418, 31022), (458, 31082), (493, 31148), (505, 31172), (721, 31502), (727, 31529), (769, 31634),

Gene: Terrific_35 Start: 26823, Stop: 25690, Start Num: 144
Candidate Starts for Terrific_35:
(Start: 144 @26823 has 10 MA's), (Start: 184 @26769 has 15 MA's), (Start: 212 @26700 has 6 MA's), (230, 26655), (313, 26499), (323, 26472), (348, 26436), (407, 26379), (480, 26256), (489, 26238), (551, 26148), (564, 26136), (601, 26061), (603, 26055), (610, 26034), (616, 26019), (628, 26001), (649, 25974), (654, 25965), (716, 25863), (729, 25815), (737, 25785), (739, 25779), (743, 25767), (763, 25728),

Gene: ThankyouJordi_38 Start: 31428, Stop: 32621, Start Num: 86
Candidate Starts for ThankyouJordi_38:
(Start: 86 @31428 has 6 MA's), (Start: 154 @31539 has 64 MA's), (Start: 184 @31593 has 15 MA's), (245, 31713), (418, 31998), (458, 32058), (493, 32124), (505, 32148), (721, 32478), (727, 32505), (769, 32610),

Gene: ThayneTheZag_40 Start: 27570, Stop: 26437, Start Num: 156
Candidate Starts for ThayneTheZag_40:
(Start: 156 @27570 has 344 MA's), (Start: 184 @27519 has 15 MA's), (270, 27351), (279, 27333), (332, 27219), (351, 27201), (407, 27123), (457, 27036), (462, 27027), (493, 26967), (536, 26898), (553, 26877), (632, 26727), (635, 26724), (678, 26658), (715, 26607), (721, 26583), (724, 26568), (739, 26514), (747, 26493), (761, 26463),

Gene: Thibault_69 Start: 48145, Stop: 49374, Start Num: 125
Candidate Starts for Thibault_69:
(Start: 125 @48145 has 30 MA's), (Start: 136 @48163 has 1 MA's), (Start: 162 @48202 has 1 MA's), (269, 48439), (317, 48547), (400, 48667), (401, 48670), (405, 48679), (412, 48694), (426, 48733), (468, 48811), (537, 48928), (550, 48931), (557, 48940), (588, 48991), (589, 48994), (599, 49012), (650, 49108), (695, 49165), (736, 49285), (737, 49288), (745, 49312), (757, 49336), (759, 49339),

Gene: Thimann_36 Start: 28027, Stop: 29154, Start Num: 156
Candidate Starts for Thimann_36:
(54, 27808), (61, 27844), (Start: 156 @28027 has 344 MA's), (Start: 184 @28081 has 15 MA's), (257, 28237), (302, 28327), (315, 28360), (457, 28555), (458, 28558), (480, 28600), (500, 28636), (688, 28933), (721, 29011), (732, 29053), (739, 29080), (769, 29143),

Gene: ThreeRngTarjay_79 Start: 53224, Stop: 54453, Start Num: 125
Candidate Starts for ThreeRngTarjay_79:
(Start: 125 @53224 has 30 MA's), (Start: 136 @53242 has 1 MA's), (Start: 162 @53281 has 1 MA's), (269, 53518), (317, 53626), (400, 53746), (401, 53749), (405, 53758), (412, 53773), (426, 53812), (468, 53890), (526, 53995), (537, 54007), (550, 54010), (557, 54019), (588, 54070), (589, 54073), (599, 54091), (650, 54187), (695, 54244), (736, 54364), (737, 54367), (745, 54391), (757, 54415),

(759, 54418),

Gene: Tiff81_35 Start: 24880, Stop: 23702, Start Num: 156
Candidate Starts for Tiff81_35:
(Start: 156 @24880 has 344 MA's), (214, 24763), (236, 24715), (279, 24643), (323, 24547), (351, 24511), (400, 24448), (407, 24433), (457, 24346), (462, 24337), (493, 24277), (519, 24229), (608, 24082), (610, 24076), (635, 24034), (715, 23917), (720, 23896), (721, 23893), (724, 23878), (770, 23758),

Gene: Tiffany_36 Start: 26675, Stop: 25530, Start Num: 150
Candidate Starts for Tiffany_36:
(Start: 150 @26675 has 130 MA's), (Start: 175 @26636 has 11 MA's), (198, 26588), (Start: 212 @26552 has 6 MA's), (230, 26507), (313, 26351), (323, 26324), (348, 26288), (407, 26231), (455, 26153), (471, 26129), (489, 26090), (530, 26018), (547, 26006), (551, 26000), (564, 25988), (601, 25913), (603, 25907), (610, 25886), (616, 25871), (628, 25853), (647, 25829), (716, 25715), (728, 25670), (729, 25667), (732, 25658), (737, 25637), (739, 25631), (743, 25619), (763, 25580),

Gene: TimTam_39 Start: 32012, Stop: 33094, Start Num: 154
Candidate Starts for TimTam_39:
(Start: 86 @31901 has 6 MA's), (Start: 154 @32012 has 64 MA's), (Start: 184 @32066 has 15 MA's), (245, 32186), (401, 32432), (405, 32441), (418, 32471), (458, 32531), (493, 32597), (505, 32621), (721, 32951), (727, 32978), (769, 33083),

Gene: TinaFeyge_33 Start: 26292, Stop: 25126, Start Num: 105
Candidate Starts for TinaFeyge_33:
(Start: 105 @26292 has 3 MA's), (Start: 124 @26265 has 7 MA's), (Start: 150 @26247 has 130 MA's), (Start: 190 @26178 has 8 MA's), (Start: 212 @26124 has 6 MA's), (317, 25905), (323, 25896), (348, 25860), (400, 25818), (405, 25806), (407, 25803), (455, 25725), (530, 25590), (551, 25572), (601, 25485), (610, 25458), (616, 25443), (628, 25425), (716, 25287), (729, 25239), (737, 25209), (739, 25203), (743, 25191), (763, 25152),

Gene: TinaLin_36 Start: 26813, Stop: 25707, Start Num: 187
Candidate Starts for TinaLin_36:
(Start: 187 @26813 has 13 MA's), (224, 26726), (341, 26492), (401, 26429), (407, 26417), (426, 26366), (511, 26204), (541, 26156), (613, 26027), (642, 25979), (701, 25883), (732, 25793), (739, 25766),

Gene: TiniBug_42 Start: 33372, Stop: 34460, Start Num: 156
Candidate Starts for TiniBug_42:
(52, 33150), (Start: 156 @33372 has 344 MA's), (Start: 184 @33423 has 15 MA's), (Start: 212 @33474 has 6 MA's), (221, 33498), (240, 33534), (300, 33648), (340, 33726), (412, 33810), (457, 33879), (458, 33882), (551, 34032), (607, 34137), (713, 34272), (757, 34416),

Gene: TipsytheTRex_33 Start: 25948, Stop: 24836, Start Num: 150
Candidate Starts for TipsytheTRex_33:
(Start: 150 @25948 has 130 MA's), (194, 25870), (Start: 212 @25825 has 6 MA's), (230, 25780), (265, 25720), (323, 25597), (348, 25561), (405, 25507), (407, 25504), (480, 25381), (481, 25378), (489, 25363), (547, 25279), (551, 25273), (601, 25198), (610, 25171), (616, 25156), (628, 25138), (649, 25111), (716, 25000), (729, 24952), (730, 24949), (732, 24943), (737, 24922), (739, 24916), (743, 24904), (763, 24865), (769, 24856),

Gene: Tiri_42 Start: 32775, Stop: 33863, Start Num: 156
Candidate Starts for Tiri_42:

(Start: 156 @32775 has 344 MA's), (Start: 212 @32877 has 6 MA's), (221, 32901), (240, 32937), (313, 33075), (340, 33129), (412, 33213), (457, 33282), (458, 33285), (551, 33435), (607, 33540), (671, 33627), (713, 33675), (757, 33819),

Gene: Toad24_36 Start: 25330, Stop: 24146, Start Num: 148
Candidate Starts for Toad24_36:
(Start: 148 @25330 has 95 MA's), (261, 25111), (269, 25093), (325, 24976), (371, 24901), (566, 24571), (608, 24478), (612, 24466), (622, 24448), (712, 24331), (720, 24295),

Gene: Tomathan_37 Start: 26420, Stop: 25350, Start Num: 184
Candidate Starts for Tomathan_37:
(Start: 150 @26474 has 130 MA's), (Start: 184 @26420 has 15 MA's), (Start: 212 @26351 has 6 MA's), (313, 26150), (323, 26123), (348, 26087), (405, 26033), (407, 26030), (418, 26003), (455, 25952), (476, 25919), (480, 25907), (489, 25889), (551, 25799), (564, 25787), (587, 25748), (601, 25712), (603, 25706), (610, 25685), (616, 25670), (628, 25652), (649, 25625), (716, 25514), (729, 25466), (730, 25463), (737, 25436), (739, 25430), (743, 25418), (763, 25379),

Gene: Toniann_84 Start: 51286, Stop: 52584, Start Num: 155
Candidate Starts for Toniann_84:
(Start: 155 @51286 has 15 MA's), (188, 51352), (233, 51454), (249, 51481), (259, 51493), (274, 51523), (290, 51562), (301, 51580), (333, 51646), (342, 51655), (378, 51739), (420, 51829), (497, 51988), (500, 51994), (502, 51997), (577, 52123), (606, 52192), (646, 52270), (676, 52321), (712, 52348), (720, 52384), (721, 52387), (722, 52390), (723, 52396), (725, 52408), (727, 52414), (728, 52417), (729, 52420), (737, 52450), (758, 52498), (762, 52507), (779, 52537),

Gene: Topper_41 Start: 32595, Stop: 33683, Start Num: 156
Candidate Starts for Topper_41:
(16, 31992), (24, 32169), (43, 32334), (52, 32373), (Start: 156 @32595 has 344 MA's), (Start: 184 @32646 has 15 MA's), (Start: 212 @32697 has 6 MA's), (221, 32721), (240, 32757), (313, 32895), (412, 33033), (457, 33102), (458, 33105), (551, 33255), (607, 33360), (713, 33495),

Gene: Torres_39 Start: 34590, Stop: 35684, Start Num: 156
Candidate Starts for Torres_39:
(28, 34239), (31, 34254), (47, 34347), (52, 34368), (80, 34461), (Start: 156 @34590 has 344 MA's), (Start: 184 @34641 has 15 MA's), (221, 34716), (240, 34752), (289, 34848), (300, 34866), (313, 34890), (337, 34938), (340, 34944), (432, 35076), (457, 35109), (480, 35154), (551, 35262), (607, 35367), (654, 35427), (713, 35502), (741, 35610), (757, 35646),

Gene: Tortellini_32 Start: 30878, Stop: 29682, Start Num: 154
Candidate Starts for Tortellini_32:
(Start: 154 @30878 has 64 MA's), (269, 30632), (284, 30599), (359, 30461), (362, 30455), (369, 30446), (374, 30434), (382, 30404), (428, 30305), (486, 30233), (497, 30212), (513, 30179), (548, 30128), (552, 30122), (602, 30029), (641, 29954), (656, 29933), (709, 29876), (712, 29867), (717, 29840), (721, 29828), (732, 29789), (750, 29735), (763, 29714),

Gene: TouchMeNot_32 Start: 30114, Stop: 28903, Start Num: 161
Candidate Starts for TouchMeNot_32:
(Start: 161 @30114 has 4 MA's), (241, 29940), (307, 29799), (405, 29640), (479, 29490), (524, 29400), (672, 29136), (693, 29100), (699, 29094), (757, 28929), (766, 28914), (768, 28911),

Gene: Towmatter_54 Start: 42777, Stop: 44135, Start Num: 147
Candidate Starts for Towmatter_54:

(33, 42468), (48, 42552), (76, 42654), (131, 42756), (Start: 147 @42777 has 2 MA's), (278, 43056), (315, 43140), (321, 43149), (331, 43164), (388, 43287), (394, 43302), (404, 43320), (414, 43350), (488, 43512), (571, 43659), (574, 43665), (594, 43707), (603, 43728), (604, 43731), (607, 43740), (628, 43782), (639, 43803), (721, 43932), (723, 43941), (727, 43959), (744, 44016), (773, 44067),

Gene: Travvers_37 Start: 26420, Stop: 25350, Start Num: 184
Candidate Starts for Travvers_37:
(Start: 150 @26474 has 130 MA's), (Start: 184 @26420 has 15 MA's), (Start: 212 @26351 has 6 MA's), (313, 26150), (314, 26147), (323, 26123), (348, 26087), (407, 26030), (418, 26003), (455, 25952), (476, 25919), (480, 25907), (489, 25889), (530, 25817), (551, 25799), (564, 25787), (601, 25712), (603, 25706), (610, 25685), (616, 25670), (628, 25652), (649, 25625), (716, 25514), (729, 25466), (730, 25463), (737, 25436), (739, 25430), (743, 25418), (763, 25379),

Gene: Trax_8 Start: 3425, Stop: 2322, Start Num: 187
Candidate Starts for Trax_8:
(174, 3452), (Start: 187 @3425 has 13 MA's), (191, 3413), (Start: 212 @3359 has 6 MA's), (222, 3344), (232, 3320), (243, 3293), (309, 3167), (361, 3095), (407, 3032), (412, 3020), (426, 2981), (471, 2897), (482, 2876), (528, 2789), (583, 2720), (589, 2708), (633, 2612), (649, 2588), (682, 2528), (707, 2492), (715, 2477), (724, 2438), (735, 2396),

Gene: TreyKay_42 Start: 32665, Stop: 33753, Start Num: 156
Candidate Starts for TreyKay_42:
(72, 32518), (Start: 156 @32665 has 344 MA's), (Start: 212 @32767 has 6 MA's), (221, 32791), (240, 32827), (313, 32965), (340, 33019), (412, 33103), (457, 33172), (458, 33175), (551, 33325), (607, 33430), (671, 33517), (713, 33565), (757, 33709),

Gene: TripleJ_37 Start: 28096, Stop: 26960, Start Num: 164
Candidate Starts for TripleJ_37:
(Start: 164 @28096 has 4 MA's), (198, 28030), (228, 27955), (238, 27934), (243, 27925), (263, 27889), (271, 27868), (302, 27805), (327, 27748), (336, 27730), (390, 27694), (405, 27664), (412, 27649), (417, 27637), (424, 27616), (457, 27580), (458, 27577), (471, 27556), (491, 27514), (493, 27511), (505, 27487), (530, 27448), (551, 27430), (609, 27322), (646, 27271), (724, 27130), (726, 27121), (746, 27058), (784, 26989), (788, 26983),

Gene: Tristan_35 Start: 28130, Stop: 26997, Start Num: 140
Candidate Starts for Tristan_35:
(Start: 140 @28130 has 7 MA's), (Start: 212 @27995 has 6 MA's), (230, 27950), (234, 27944), (256, 27905), (313, 27794), (323, 27767), (348, 27731), (400, 27689), (407, 27674), (455, 27596), (551, 27443), (564, 27431), (601, 27356), (603, 27350), (610, 27329), (616, 27314), (628, 27296), (662, 27245), (716, 27158), (729, 27110), (737, 27080), (739, 27074), (743, 27062), (763, 27023),

Gene: Trixie_35 Start: 27323, Stop: 26259, Start Num: 184
Candidate Starts for Trixie_35:
(Start: 150 @27377 has 130 MA's), (Start: 184 @27323 has 15 MA's), (Start: 212 @27254 has 6 MA's), (230, 27209), (313, 27053), (315, 27041), (323, 27026), (348, 26990), (400, 26948), (405, 26936), (407, 26933), (412, 26921), (455, 26855), (476, 26822), (489, 26792), (551, 26702), (554, 26699), (564, 26690), (576, 26669), (601, 26615), (610, 26588), (616, 26573), (628, 26555), (716, 26417), (729, 26369), (730, 26366), (737, 26339), (739, 26333), (743, 26321), (763, 26282),

Gene: Trooper_35 Start: 26605, Stop: 25538, Start Num: 184
Candidate Starts for Trooper_35:
(Start: 102 @26722 has 2 MA's), (Start: 150 @26659 has 130 MA's), (Start: 184 @26605 has 15 MA's), (Start: 212 @26536 has 6 MA's), (230, 26491), (313, 26335), (348, 26272), (412, 26203), (430,

26161), (455, 26137), (489, 26074), (551, 25984), (564, 25972), (601, 25897), (603, 25891), (610, 25870), (616, 25855), (628, 25837), (649, 25810), (716, 25699), (728, 25654), (729, 25651), (730, 25648), (737, 25621), (739, 25615), (743, 25603), (763, 25564),

Gene: Troy_27 Start: 25228, Stop: 23900, Start Num: 111
Candidate Starts for Troy_27:
(Start: 111 @25228 has 3 MA's), (134, 25192), (141, 25183), (Start: 176 @25126 has 3 MA's), (277, 24916), (278, 24913), (324, 24814), (334, 24796), (398, 24730), (401, 24724), (407, 24712), (483, 24547), (508, 24502), (520, 24481), (527, 24469), (544, 24445), (563, 24421), (567, 24415), (587, 24379), (627, 24283), (659, 24226), (687, 24181), (704, 24157), (712, 24142), (727, 24076), (728, 24073), (735, 24046), (741, 24028), (772, 23968), (799, 23914),

Gene: TroyPia_33 Start: 26250, Stop: 25129, Start Num: 150
Candidate Starts for TroyPia_33:
(Start: 105 @26295 has 3 MA's), (Start: 124 @26268 has 7 MA's), (Start: 150 @26250 has 130 MA's), (Start: 190 @26181 has 8 MA's), (Start: 212 @26127 has 6 MA's), (317, 25908), (323, 25899), (348, 25863), (400, 25821), (405, 25809), (407, 25806), (455, 25728), (530, 25593), (551, 25575), (601, 25488), (610, 25461), (616, 25446), (628, 25428), (716, 25290), (729, 25242), (737, 25212), (739, 25206), (743, 25194), (763, 25155),

Gene: TruffulaTree_41 Start: 32473, Stop: 33561, Start Num: 156
Candidate Starts for TruffulaTree_41:
(Start: 156 @32473 has 344 MA's), (Start: 184 @32524 has 15 MA's), (Start: 212 @32575 has 6 MA's), (221, 32599), (240, 32635), (313, 32773), (340, 32827), (412, 32911), (457, 32980), (458, 32983), (551, 33133), (597, 33211), (607, 33238), (671, 33325), (713, 33373),

Gene: Trumpet_39 Start: 30564, Stop: 31646, Start Num: 154
Candidate Starts for Trumpet_39:
(Start: 86 @30453 has 6 MA's), (Start: 154 @30564 has 64 MA's), (Start: 184 @30618 has 15 MA's), (245, 30738), (405, 30993), (418, 31023), (458, 31083), (493, 31149), (505, 31173), (721, 31503), (727, 31530), (769, 31635),

Gene: TuertoX_37 Start: 27875, Stop: 28957, Start Num: 154
Candidate Starts for TuertoX_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: Turbido_34 Start: 26644, Stop: 25511, Start Num: 135
Candidate Starts for Turbido_34:
(Start: 124 @26662 has 7 MA's), (Start: 135 @26644 has 6 MA's), (Start: 190 @26560 has 8 MA's), (Start: 212 @26512 has 6 MA's), (230, 26467), (323, 26284), (348, 26248), (407, 26191), (412, 26179), (418, 26164), (476, 26080), (480, 26068), (489, 26050), (551, 25960), (564, 25948), (601, 25873), (603, 25867), (610, 25846), (616, 25831), (628, 25813), (649, 25786), (716, 25675), (729, 25627), (730, 25624), (737, 25597), (739, 25591), (743, 25579), (763, 25540),

Gene: TurkishDelight_52 Start: 44050, Stop: 45588, Start Num: 55
Candidate Starts for TurkishDelight_52:
(15, 43657), (35, 43954), (Start: 55 @44050 has 1 MA's), (93, 44173), (Start: 184 @44323 has 15 MA's), (192, 44344), (221, 44425), (291, 44578), (309, 44611), (310, 44614), (367, 44731), (415, 44851), (427, 44884), (437, 44905), (457, 44947), (515, 45058), (556, 45106), (575, 45124), (584, 45142), (597, 45172), (676, 45325), (699, 45358), (716, 45400), (732, 45457), (751, 45514), (770, 45550), (781, 45568),

Gene: Tuti_35 Start: 29576, Stop: 30703, Start Num: 156
Candidate Starts for Tuti_35:
(54, 29357), (61, 29393), (Start: 156 @29576 has 344 MA's), (Start: 184 @29630 has 15 MA's), (237, 29753), (257, 29786), (315, 29909), (457, 30104), (458, 30107), (480, 30149), (500, 30185), (688, 30482), (732, 30602), (739, 30629), (769, 30692),

Gene: Twinkle_39 Start: 33608, Stop: 34735, Start Num: 156
Candidate Starts for Twinkle_39:
(Start: 124 @33569 has 7 MA's), (Start: 156 @33608 has 344 MA's), (Start: 184 @33662 has 15 MA's), (237, 33785), (257, 33818), (302, 33908), (315, 33941), (457, 34136), (458, 34139), (480, 34181), (500, 34217), (688, 34514), (721, 34592), (727, 34619), (732, 34634), (739, 34661), (769, 34724),

Gene: Twitch_41 Start: 32597, Stop: 33685, Start Num: 156
Candidate Starts for Twitch_41:
(16, 31994), (24, 32171), (43, 32336), (52, 32375), (Start: 156 @32597 has 344 MA's), (Start: 184 @32648 has 15 MA's), (Start: 212 @32699 has 6 MA's), (221, 32723), (240, 32759), (313, 32897), (412, 33035), (457, 33104), (458, 33107), (551, 33257), (607, 33362), (713, 33497),

Gene: Ubuntu_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Ubuntu_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: Updawg_35 Start: 26811, Stop: 25678, Start Num: 144
Candidate Starts for Updawg_35:
(Start: 144 @26811 has 10 MA's), (Start: 184 @26757 has 15 MA's), (Start: 212 @26688 has 6 MA's), (230, 26643), (313, 26487), (323, 26460), (348, 26424), (407, 26367), (480, 26244), (489, 26226), (551, 26136), (564, 26124), (601, 26049), (603, 26043), (610, 26022), (616, 26007), (628, 25989), (649, 25962), (654, 25953), (716, 25851), (729, 25803), (737, 25773), (739, 25767), (743, 25755), (763, 25716),

Gene: Urkel_42 Start: 33376, Stop: 34464, Start Num: 156
Candidate Starts for Urkel_42:
(52, 33154), (Start: 156 @33376 has 344 MA's), (Start: 184 @33427 has 15 MA's), (Start: 212 @33478 has 6 MA's), (221, 33502), (240, 33538), (300, 33652), (340, 33730), (412, 33814), (457, 33883), (458, 33886), (551, 34036), (607, 34141), (713, 34276), (757, 34420),

Gene: VA6_33 Start: 26411, Stop: 25287, Start Num: 150
Candidate Starts for VA6_33:
(110, 26465), (Start: 150 @26411 has 130 MA's), (Start: 184 @26357 has 15 MA's), (Start: 212 @26288 has 6 MA's), (313, 26087), (323, 26060), (348, 26024), (405, 25970), (407, 25967), (418, 25940), (455, 25889), (476, 25856), (480, 25844), (489, 25826), (530, 25754), (551, 25736), (564, 25724), (587, 25685), (601, 25649), (603, 25643), (610, 25622), (616, 25607), (628, 25589), (649, 25562), (716, 25451), (729, 25403), (730, 25400), (737, 25373), (739, 25367), (743, 25355), (763, 25316),

Gene: VC3_36 Start: 26399, Stop: 25275, Start Num: 150
Candidate Starts for VC3_36:
(110, 26453), (Start: 150 @26399 has 130 MA's), (Start: 184 @26345 has 15 MA's), (Start: 212 @26276 has 6 MA's), (313, 26075), (323, 26048), (348, 26012), (405, 25958), (407, 25955), (418, 25928), (455, 25877), (476, 25844), (480, 25832), (489, 25814), (530, 25742), (551, 25724), (564, 25712), (587, 25673), (601, 25637), (603, 25631), (610, 25610), (616, 25595), (628, 25577), (649, 25550), (716, 25439), (729, 25391), (730, 25388), (737, 25361), (739, 25355), (743, 25343), (763, 25304),

Gene: VRedHorse_42 Start: 32159, Stop: 33286, Start Num: 156
Candidate Starts for VRedHorse_42:
(88, 32057), (123, 32114), (Start: 156 @32159 has 344 MA's), (Start: 162 @32168 has 1 MA's), (240, 32330), (263, 32381), (270, 32399), (289, 32444), (317, 32504), (340, 32540), (351, 32549), (418, 32654), (460, 32723), (491, 32783), (498, 32795), (500, 32798), (505, 32810), (513, 32825), (527, 32849), (536, 32855), (557, 32876), (585, 32912), (587, 32915), (601, 32951), (603, 32957), (608, 32972), (614, 32987), (671, 33056), (678, 33071), (715, 33113), (725, 33158), (728, 33167), (739, 33206), (745, 33224), (756, 33245), (763, 33260), (769, 33269), (770, 33272),

Gene: VWB_31 Start: 27412, Stop: 26129, Start Num: 127
Candidate Starts for VWB_31:
(Start: 127 @27412 has 1 MA's), (149, 27379), (168, 27346), (323, 27001), (357, 26962), (387, 26926), (395, 26914), (441, 26815), (470, 26767), (526, 26659), (532, 26650), (598, 26542), (636, 26464), (690, 26371), (707, 26347), (713, 26329), (716, 26311), (723, 26287), (731, 26257), (732, 26254), (738, 26230), (741, 26221), (752, 26197), (757, 26185), (763, 26173), (787, 26134),

Gene: Validus_45 Start: 33099, Stop: 34196, Start Num: 156
Candidate Starts for Validus_45:
(Start: 156 @33099 has 344 MA's), (221, 33225), (240, 33261), (300, 33375), (340, 33453), (412, 33537), (457, 33618), (458, 33621), (480, 33663), (527, 33750), (551, 33771), (607, 33876), (654, 33936), (700, 33999), (757, 34155),

Gene: VanLee_32 Start: 27924, Stop: 26788, Start Num: 148
Candidate Starts for VanLee_32:
(Start: 148 @27924 has 95 MA's), (177, 27870), (186, 27852), (261, 27702), (295, 27630), (371, 27489), (374, 27477), (375, 27474), (378, 27462), (412, 27393), (497, 27291), (498, 27288), (513, 27258), (667, 27015), (669, 27012), (710, 26976), (715, 26955), (769, 26808),

Gene: Vasanti_37 Start: 29057, Stop: 27888, Start Num: 148
Candidate Starts for Vasanti_37:
(Start: 148 @29057 has 95 MA's), (269, 28814), (309, 28733), (323, 28697), (328, 28685), (363, 28643), (364, 28637), (371, 28625), (374, 28613), (412, 28529), (416, 28520), (418, 28514), (428, 28484), (497, 28415), (498, 28412), (513, 28382), (556, 28331), (601, 28259), (611, 28229), (712, 28097), (714, 28085), (737, 27998), (740, 27989), (763, 27944), (786, 27905),

Gene: Veliki_41 Start: 32513, Stop: 33601, Start Num: 156
Candidate Starts for Veliki_41:
(Start: 156 @32513 has 344 MA's), (Start: 184 @32564 has 15 MA's), (Start: 212 @32615 has 6 MA's), (221, 32639), (240, 32675), (313, 32813), (340, 32867), (412, 32951), (457, 33020), (458, 33023), (551, 33173), (597, 33251), (607, 33278), (671, 33365), (713, 33413),

Gene: Velveteen_37 Start: 27903, Stop: 29021, Start Num: 156
Candidate Starts for Velveteen_37:

(Start: 156 @27903 has 344 MA's), (240, 28074), (317, 28239), (340, 28275), (351, 28284), (407, 28365), (418, 28389), (460, 28458), (480, 28497), (489, 28515), (491, 28518), (498, 28530), (500, 28533), (505, 28545), (513, 28560), (527, 28584), (536, 28590), (557, 28611), (585, 28647), (587, 28650), (601, 28686), (603, 28692), (607, 28704), (608, 28707), (614, 28722), (671, 28791), (678, 28806), (715, 28848), (725, 28893), (728, 28902), (739, 28941), (745, 28959), (756, 28980), (763, 28995), (769, 29004), (770, 29007),

Gene: Vendetta_37 Start: 27965, Stop: 26850, Start Num: 187
Candidate Starts for Vendetta_37:
(Start: 150 @28034 has 130 MA's), (Start: 187 @27965 has 13 MA's), (358, 27626), (390, 27593), (541, 27299), (559, 27287), (580, 27254), (652, 27107), (732, 26936), (739, 26909),

Gene: Violac_42 Start: 32601, Stop: 33719, Start Num: 156
Candidate Starts for Violac_42:
(Start: 156 @32601 has 344 MA's), (Start: 162 @32610 has 1 MA's), (240, 32772), (317, 32937), (340, 32973), (351, 32982), (418, 33087), (460, 33156), (476, 33183), (480, 33195), (491, 33216), (498, 33228), (500, 33231), (505, 33243), (513, 33258), (527, 33282), (536, 33288), (557, 33309), (585, 33345), (587, 33348), (601, 33384), (603, 33390), (608, 33405), (614, 33420), (671, 33489), (678, 33504), (725, 33591), (728, 33600), (739, 33639), (745, 33657), (756, 33678), (763, 33693), (769, 33702), (770, 33705),

Gene: Vix_36 Start: 26872, Stop: 25727, Start Num: 150
Candidate Starts for Vix_36:
(Start: 150 @26872 has 130 MA's), (Start: 175 @26833 has 11 MA's), (198, 26785), (Start: 212 @26749 has 6 MA's), (230, 26704), (313, 26548), (323, 26521), (348, 26485), (407, 26428), (455, 26350), (471, 26326), (489, 26287), (530, 26215), (547, 26203), (551, 26197), (564, 26185), (601, 26110), (603, 26104), (610, 26083), (616, 26068), (628, 26050), (647, 26026), (716, 25912), (728, 25867), (729, 25864), (732, 25855), (737, 25834), (739, 25828), (743, 25816), (763, 25777),

Gene: Vopal_43 Start: 30649, Stop: 29477, Start Num: 156
Candidate Starts for Vopal_43:
(Start: 156 @30649 has 344 MA's), (Start: 184 @30598 has 15 MA's), (270, 30430), (279, 30412), (303, 30361), (351, 30280), (407, 30202), (412, 30190), (457, 30115), (462, 30106), (493, 30046), (553, 29956), (608, 29851), (618, 29830), (632, 29806), (635, 29803), (680, 29734), (715, 29680), (721, 29656), (724, 29641), (770, 29521), (786, 29494),

Gene: Vulpecula_33 Start: 24379, Stop: 23195, Start Num: 148
Candidate Starts for Vulpecula_33:
(Start: 148 @24379 has 95 MA's), (261, 24160), (325, 24025), (371, 23950), (375, 23935), (489, 23734), (608, 23527), (612, 23515), (622, 23497), (632, 23482), (712, 23380), (717, 23353), (720, 23344),

Gene: Wachhund_44 Start: 32077, Stop: 33195, Start Num: 156
Candidate Starts for Wachhund_44:
(Start: 156 @32077 has 344 MA's), (Start: 162 @32086 has 1 MA's), (240, 32248), (317, 32413), (340, 32449), (351, 32458), (418, 32563), (460, 32632), (480, 32671), (491, 32692), (498, 32704), (500, 32707), (505, 32719), (527, 32758), (536, 32764), (557, 32785), (585, 32821), (587, 32824), (601, 32860), (603, 32866), (607, 32878), (608, 32881), (671, 32965), (678, 32980), (715, 33022), (725, 33067), (728, 33076), (739, 33115), (745, 33133), (756, 33154), (763, 33169), (769, 33178), (770, 33181),

Gene: Wanda_85 Start: 52091, Stop: 53320, Start Num: 125
Candidate Starts for Wanda_85:

(Start: 125 @52091 has 30 MA's), (Start: 136 @52109 has 1 MA's), (Start: 162 @52148 has 1 MA's), (269, 52385), (317, 52493), (400, 52613), (401, 52616), (405, 52625), (412, 52640), (426, 52679), (468, 52757), (526, 52862), (537, 52874), (550, 52877), (557, 52886), (588, 52937), (589, 52940), (599, 52958), (650, 53054), (695, 53111), (736, 53231), (737, 53234), (745, 53258), (757, 53282), (759, 53285),

Gene: Watson_36 Start: 26782, Stop: 25637, Start Num: 150
Candidate Starts for Watson_36:
(Start: 150 @26782 has 130 MA's), (Start: 175 @26743 has 11 MA's), (Start: 212 @26659 has 6 MA's), (230, 26614), (313, 26458), (323, 26431), (348, 26395), (407, 26338), (455, 26260), (471, 26236), (489, 26197), (530, 26125), (547, 26113), (551, 26107), (564, 26095), (601, 26020), (603, 26014), (610, 25993), (616, 25978), (628, 25960), (647, 25936), (716, 25822), (728, 25777), (729, 25774), (732, 25765), (737, 25744), (739, 25738), (743, 25726), (763, 25687),

Gene: Webster2_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Webster2_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: Wee_46 Start: 33180, Stop: 34283, Start Num: 156
Candidate Starts for Wee_46:
(Start: 156 @33180 has 344 MA's), (Start: 184 @33228 has 15 MA's), (223, 33309), (235, 33336), (340, 33549), (364, 33573), (407, 33621), (457, 33702), (493, 33771), (498, 33780), (513, 33810), (527, 33834), (551, 33855), (597, 33933), (603, 33948), (646, 34008), (671, 34047), (678, 34062), (695, 34086), (715, 34113), (721, 34137), (725, 34158), (728, 34167), (741, 34212), (745, 34224),

Gene: WeiHuaDA_37 Start: 28048, Stop: 26930, Start Num: 144
Candidate Starts for WeiHuaDA_37:
(Start: 144 @28048 has 10 MA's), (Start: 212 @27925 has 6 MA's), (230, 27880), (313, 27724), (323, 27697), (348, 27661), (407, 27604), (455, 27526), (476, 27493), (489, 27463), (551, 27373), (564, 27361), (583, 27328), (601, 27286), (610, 27259), (616, 27244), (628, 27226), (716, 27088), (729, 27040), (730, 27037), (737, 27010), (739, 27004), (743, 26992), (763, 26953),

Gene: WelcomeAyanna_38 Start: 31686, Stop: 32768, Start Num: 154
Candidate Starts for WelcomeAyanna_38:
(Start: 86 @31575 has 6 MA's), (Start: 154 @31686 has 64 MA's), (Start: 184 @31740 has 15 MA's), (245, 31860), (418, 32145), (458, 32205), (493, 32271), (505, 32295), (721, 32625), (727, 32652), (769, 32757),

Gene: Westrich_40 Start: 25013, Stop: 23829, Start Num: 148
Candidate Starts for Westrich_40:
(Start: 148 @25013 has 95 MA's), (261, 24794), (269, 24776), (325, 24659), (371, 24584), (566, 24254), (608, 24161), (612, 24149), (622, 24131), (712, 24014), (720, 23978),

Gene: Whabigail7_34 Start: 26650, Stop: 25499, Start Num: 124
Candidate Starts for Whabigail7_34:
(Start: 124 @26650 has 7 MA's), (Start: 135 @26632 has 6 MA's), (Start: 190 @26548 has 8 MA's), (Start: 212 @26500 has 6 MA's), (230, 26455), (323, 26272), (348, 26236), (407, 26179), (412, 26167),

(418, 26152), (476, 26068), (480, 26056), (489, 26038), (551, 25948), (564, 25936), (601, 25861), (603, 25855), (610, 25834), (616, 25819), (628, 25801), (649, 25774), (716, 25663), (729, 25615), (730, 25612), (737, 25585), (739, 25579), (743, 25567), (763, 25528),

Gene: Whatsapiecost_41 Start: 31324, Stop: 32442, Start Num: 156
Candidate Starts for Whatsapiecost_41:
(Start: 156 @31324 has 344 MA's), (223, 31462), (240, 31495), (265, 31543), (317, 31660), (340, 31696), (351, 31705), (418, 31810), (460, 31879), (491, 31939), (498, 31951), (500, 31954), (505, 31966), (513, 31981), (527, 32005), (536, 32011), (557, 32032), (585, 32068), (587, 32071), (601, 32107), (603, 32113), (607, 32125), (608, 32128), (671, 32212), (678, 32227), (715, 32269), (725, 32314), (728, 32323), (739, 32362), (745, 32380), (756, 32401), (763, 32416), (769, 32425), (770, 32428),

Gene: WheatThin_39 Start: 31322, Stop: 30051, Start Num: 148
Candidate Starts for WheatThin_39:
(Start: 148 @31322 has 95 MA's), (Start: 156 @31307 has 344 MA's), (204, 31205), (226, 31163), (230, 31151), (269, 31076), (306, 31001), (310, 30992), (315, 30974), (374, 30875), (375, 30872), (416, 30782), (497, 30677), (554, 30581), (558, 30575), (639, 30413), (714, 30272), (725, 30227), (740, 30176), (743, 30167), (750, 30152), (759, 30140), (765, 30128), (791, 30089),

Gene: Whiteclaw_37 Start: 27875, Stop: 28957, Start Num: 154
Candidate Starts for Whiteclaw_37:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: WideWale_35 Start: 26811, Stop: 25678, Start Num: 144
Candidate Starts for WideWale_35:
(Start: 144 @26811 has 10 MA's), (Start: 184 @26757 has 15 MA's), (Start: 212 @26688 has 6 MA's), (230, 26643), (313, 26487), (323, 26460), (348, 26424), (407, 26367), (480, 26244), (489, 26226), (551, 26136), (564, 26124), (601, 26049), (603, 26043), (610, 26022), (616, 26007), (628, 25989), (649, 25962), (654, 25953), (716, 25851), (729, 25803), (737, 25773), (739, 25767), (743, 25755), (763, 25716),

Gene: WileyE_35 Start: 24249, Stop: 23065, Start Num: 148
Candidate Starts for WileyE_35:
(Start: 148 @24249 has 95 MA's), (180, 24192), (261, 24030), (265, 24021), (325, 23895), (364, 23832), (371, 23820), (375, 23805), (416, 23715), (489, 23604), (551, 23511), (608, 23397), (612, 23385), (622, 23367), (717, 23223), (720, 23214),

Gene: WillSterrel_41 Start: 32521, Stop: 33639, Start Num: 156
Candidate Starts for WillSterrel_41:
(Start: 156 @32521 has 344 MA's), (Start: 162 @32530 has 1 MA's), (240, 32692), (351, 32902), (407, 32983), (418, 33007), (460, 33076), (491, 33136), (498, 33148), (500, 33151), (505, 33163), (513, 33178), (527, 33202), (536, 33208), (557, 33229), (585, 33265), (587, 33268), (601, 33304), (603, 33310), (608, 33325), (671, 33409), (678, 33424), (715, 33466), (725, 33511), (728, 33520), (739, 33559), (745, 33577), (756, 33598), (763, 33613), (769, 33622), (770, 33625),

Gene: WilliamBoone_83 Start: 50036, Stop: 51334, Start Num: 155
Candidate Starts for WilliamBoone_83:
(Start: 155 @50036 has 15 MA's), (226, 50195), (259, 50243), (274, 50273), (290, 50312), (301, 50330), (304, 50336), (342, 50405), (420, 50579), (459, 50660), (497, 50738), (500, 50744), (502, 50747), (606, 50942), (639, 51008), (663, 51047), (676, 51071), (712, 51098), (720, 51134), (721,

51137), (722, 51140), (723, 51146), (725, 51158), (727, 51164), (728, 51167), (729, 51170), (737, 51200), (758, 51248), (762, 51257), (776, 51284), (779, 51287),

Gene: Windest_40 Start: 26669, Stop: 25497, Start Num: 156
Candidate Starts for Windest_40:
(Start: 156 @26669 has 344 MA's), (Start: 184 @26618 has 15 MA's), (270, 26450), (279, 26432), (351, 26300), (407, 26222), (412, 26210), (413, 26204), (457, 26135), (462, 26126), (493, 26066), (553, 25976), (618, 25850), (632, 25826), (635, 25823), (715, 25700), (721, 25676), (724, 25661), (770, 25541), (786, 25514),

Gene: WinkNick_41 Start: 29791, Stop: 30918, Start Num: 156
Candidate Starts for WinkNick_41:
(Start: 124 @29752 has 7 MA's), (Start: 156 @29791 has 344 MA's), (Start: 184 @29845 has 15 MA's), (237, 29968), (257, 30001), (302, 30091), (315, 30124), (457, 30319), (458, 30322), (480, 30364), (500, 30400), (688, 30697), (721, 30775), (727, 30802), (732, 30817), (739, 30844), (769, 30907),

Gene: Wishmaker_29 Start: 26478, Stop: 25285, Start Num: 189
Candidate Starts for Wishmaker_29:
(Start: 166 @26520 has 2 MA's), (Start: 189 @26478 has 21 MA's), (213, 26412), (249, 26331), (266, 26292), (275, 26277), (277, 26271), (282, 26259), (296, 26232), (313, 26199), (345, 26142), (365, 26109), (367, 26106), (383, 26058), (406, 26016), (409, 26013), (418, 25989), (423, 25974), (434, 25950), (445, 25935), (471, 25896), (477, 25884), (496, 25845), (515, 25806), (556, 25758), (558, 25755), (601, 25683), (603, 25677), (607, 25665), (608, 25662), (610, 25656), (640, 25602), (652, 25584), (653, 25581), (668, 25554), (678, 25536), (682, 25530), (683, 25527), (713, 25485), (719, 25458), (721, 25452), (735, 25395), (763, 25332), (765, 25329),

Gene: Wooldri_38 Start: 26701, Stop: 25556, Start Num: 150
Candidate Starts for Wooldri_38:
(Start: 150 @26701 has 130 MA's), (Start: 175 @26662 has 11 MA's), (Start: 212 @26578 has 6 MA's), (230, 26533), (313, 26377), (323, 26350), (348, 26314), (407, 26257), (455, 26179), (471, 26155), (489, 26116), (530, 26044), (547, 26032), (551, 26026), (564, 26014), (601, 25939), (603, 25933), (610, 25912), (616, 25897), (628, 25879), (647, 25855), (716, 25741), (728, 25696), (729, 25693), (732, 25684), (737, 25663), (739, 25657), (743, 25645), (763, 25606),

Gene: Wrigley_43 Start: 31922, Stop: 33004, Start Num: 154
Candidate Starts for Wrigley_43:
(Start: 86 @31811 has 6 MA's), (92, 31826), (Start: 154 @31922 has 64 MA's), (Start: 184 @31976 has 15 MA's), (245, 32096), (418, 32381), (458, 32441), (493, 32507), (505, 32531), (585, 32636), (610, 32702), (737, 32924), (741, 32936), (769, 32993),

Gene: XFactor_41 Start: 32278, Stop: 33396, Start Num: 156
Candidate Starts for XFactor_41:
(Start: 156 @32278 has 344 MA's), (240, 32449), (317, 32614), (340, 32650), (351, 32659), (418, 32764), (460, 32833), (480, 32872), (489, 32890), (491, 32893), (498, 32905), (500, 32908), (505, 32920), (513, 32935), (527, 32959), (536, 32965), (557, 32986), (585, 33022), (587, 33025), (601, 33061), (603, 33067), (608, 33082), (614, 33097), (671, 33166), (678, 33181), (715, 33223), (725, 33268), (728, 33277), (739, 33316), (745, 33334), (756, 33355), (763, 33370), (769, 33379), (770, 33382),

Gene: Xavia_34 Start: 31565, Stop: 30369, Start Num: 154
Candidate Starts for Xavia_34:

(Start: 154 @31565 has 64 MA's), (269, 31319), (284, 31286), (359, 31148), (362, 31142), (369, 31133), (374, 31121), (382, 31091), (428, 30992), (486, 30920), (513, 30866), (548, 30815), (552, 30809), (602, 30716), (610, 30692), (641, 30641), (656, 30620), (709, 30563), (712, 30554), (717, 30527), (721, 30515), (732, 30476), (750, 30422), (763, 30401),

Gene: XianYue_35 Start: 26639, Stop: 25515, Start Num: 150
Candidate Starts for XianYue_35:
(123, 26681), (Start: 150 @26639 has 130 MA's), (Start: 175 @26600 has 11 MA's), (198, 26552), (Start: 212 @26516 has 6 MA's), (230, 26471), (315, 26303), (348, 26252), (455, 26117), (471, 26093), (551, 25964), (564, 25952), (601, 25877), (603, 25871), (610, 25850), (616, 25835), (628, 25817), (716, 25679), (729, 25631), (737, 25601), (739, 25595), (743, 25583), (753, 25562), (763, 25544),

Gene: Xiaokay_72 Start: 49061, Stop: 50290, Start Num: 125
Candidate Starts for Xiaokay_72:
(Start: 125 @49061 has 30 MA's), (Start: 136 @49079 has 1 MA's), (Start: 162 @49118 has 1 MA's), (269, 49355), (317, 49463), (400, 49583), (401, 49586), (405, 49595), (412, 49610), (426, 49649), (468, 49727), (537, 49844), (550, 49847), (557, 49856), (588, 49907), (589, 49910), (599, 49928), (650, 50024), (695, 50081), (736, 50201), (737, 50204), (745, 50228), (757, 50252), (759, 50255),

Gene: Yecey3_35 Start: 26339, Stop: 25209, Start Num: 140
Candidate Starts for Yecey3_35:
(76, 26456), (78, 26450), (91, 26414), (114, 26375), (116, 26372), (Start: 140 @26339 has 7 MA's), (Start: 190 @26258 has 8 MA's), (Start: 212 @26204 has 6 MA's), (230, 26159), (265, 26099), (323, 25976), (405, 25886), (407, 25883), (455, 25805), (471, 25781), (480, 25760), (489, 25742), (549, 25655), (551, 25652), (564, 25640), (601, 25565), (603, 25559), (610, 25538), (616, 25523), (628, 25505), (716, 25367), (729, 25319), (737, 25289), (739, 25283), (743, 25271), (763, 25232),

Gene: Yeet_76 Start: 51441, Stop: 52670, Start Num: 125
Candidate Starts for Yeet_76:
(Start: 125 @51441 has 30 MA's), (Start: 136 @51459 has 1 MA's), (Start: 162 @51498 has 1 MA's), (269, 51735), (317, 51843), (400, 51963), (401, 51966), (405, 51975), (412, 51990), (426, 52029), (468, 52107), (526, 52212), (537, 52224), (550, 52227), (557, 52236), (588, 52287), (589, 52290), (599, 52308), (650, 52404), (695, 52461), (736, 52581), (737, 52584), (745, 52608), (757, 52632), (759, 52635),

Gene: Yeet412_34 Start: 27696, Stop: 28778, Start Num: 154
Candidate Starts for Yeet412_34:
(Start: 86 @27585 has 6 MA's), (Start: 154 @27696 has 64 MA's), (Start: 184 @27750 has 15 MA's), (245, 27870), (405, 28125), (418, 28155), (458, 28215), (493, 28281), (505, 28305), (721, 28635), (727, 28662), (769, 28767),

Gene: Yeezy_36 Start: 30168, Stop: 28906, Start Num: 148
Candidate Starts for Yeezy_36:
(Start: 148 @30168 has 95 MA's), (218, 30012), (314, 29829), (328, 29793), (371, 29733), (374, 29721), (390, 29676), (409, 29643), (424, 29601), (558, 29433), (561, 29430), (564, 29424), (601, 29355), (607, 29337), (608, 29334), (639, 29277), (708, 29160), (712, 29148), (725, 29091), (743, 29031), (750, 29016), (759, 29004), (763, 28995), (786, 28956), (798, 28926),

Gene: Yinzer_36 Start: 27875, Stop: 28957, Start Num: 154
Candidate Starts for Yinzer_36:
(Start: 85 @27758 has 2 MA's), (Start: 86 @27764 has 6 MA's), (Start: 154 @27875 has 64 MA's), (Start: 184 @27929 has 15 MA's), (245, 28049), (405, 28304), (418, 28334), (458, 28394), (493, 28460), (505, 28484), (559, 28553), (585, 28589), (721, 28814), (727, 28841), (769, 28946),

Gene: YoungHarleezy_40 Start: 27782, Stop: 26643, Start Num: 156
Candidate Starts for YoungHarleezy_40:
(133, 27815), (Start: 156 @27782 has 344 MA's), (Start: 184 @27731 has 15 MA's), (270, 27563), (279, 27545), (351, 27413), (407, 27335), (412, 27323), (413, 27317), (457, 27248), (462, 27239), (493, 27179), (553, 27089), (608, 26984), (618, 26963), (635, 26936), (715, 26813), (721, 26789), (724, 26774), (747, 26699), (761, 26669),

Gene: YoureAdopted_40 Start: 32682, Stop: 33770, Start Num: 156
Candidate Starts for YoureAdopted_40:
(Start: 156 @32682 has 344 MA's), (Start: 212 @32784 has 6 MA's), (221, 32808), (240, 32844), (313, 32982), (340, 33036), (412, 33120), (457, 33189), (458, 33192), (551, 33342), (607, 33447), (671, 33534), (713, 33582), (725, 33636), (757, 33726),

Gene: Yunkel11_44 Start: 32525, Stop: 33625, Start Num: 156
Candidate Starts for Yunkel11_44:
(69, 32375), (Start: 156 @32525 has 344 MA's), (Start: 184 @32576 has 15 MA's), (221, 32651), (240, 32687), (241, 32690), (300, 32801), (436, 33020), (457, 33044), (458, 33047), (527, 33176), (551, 33197), (607, 33302), (671, 33389), (713, 33437),

Gene: Yvonnetastic_95 Start: 55831, Stop: 57078, Start Num: 156
Candidate Starts for Yvonnetastic_95:
(84, 55705), (Start: 156 @55831 has 344 MA's), (233, 55996), (259, 56035), (283, 56086), (301, 56122), (312, 56140), (342, 56191), (362, 56227), (379, 56281), (388, 56302), (444, 56413), (454, 56437), (459, 56446), (467, 56461), (490, 56512), (545, 56596), (591, 56665), (639, 56773), (663, 56815), (712, 56866), (723, 56914), (728, 56935), (737, 56968), (744, 56989), (760, 57016), (779, 57049),

Gene: Zameen_39 Start: 30563, Stop: 31645, Start Num: 154
Candidate Starts for Zameen_39:
(Start: 86 @30452 has 6 MA's), (Start: 154 @30563 has 64 MA's), (Start: 184 @30617 has 15 MA's), (245, 30737), (405, 30992), (418, 31022), (458, 31082), (493, 31148), (505, 31172), (721, 31502), (727, 31529), (769, 31634),

Gene: Zarafa_33 Start: 26366, Stop: 25239, Start Num: 150
Candidate Starts for Zarafa_33:
(Start: 150 @26366 has 130 MA's), (198, 26279), (Start: 212 @26243 has 6 MA's), (230, 26198), (265, 26138), (313, 26042), (315, 26030), (317, 26024), (348, 25979), (405, 25925), (407, 25922), (417, 25898), (530, 25709), (551, 25691), (564, 25679), (587, 25640), (601, 25604), (603, 25598), (610, 25577), (616, 25562), (628, 25544), (716, 25406), (729, 25358), (737, 25328), (739, 25322), (743, 25310), (763, 25271),

Gene: Zavala_42 Start: 32759, Stop: 33847, Start Num: 156
Candidate Starts for Zavala_42:
(Start: 156 @32759 has 344 MA's), (Start: 212 @32861 has 6 MA's), (221, 32885), (240, 32921), (313, 33059), (340, 33113), (412, 33197), (457, 33266), (458, 33269), (482, 33317), (551, 33419), (607, 33524), (671, 33611), (713, 33659), (757, 33803),

Gene: Zelink_79 Start: 53554, Stop: 54765, Start Num: 136
Candidate Starts for Zelink_79:
(Start: 125 @53536 has 30 MA's), (Start: 136 @53554 has 1 MA's), (Start: 162 @53593 has 1 MA's), (269, 53830), (317, 53938), (400, 54058), (401, 54061), (405, 54070), (412, 54085), (426, 54124), (468, 54202), (526, 54307), (537, 54319), (550, 54322), (557, 54331), (588, 54382), (589, 54385),

(599, 54403), (650, 54499), (695, 54556), (736, 54676), (737, 54679), (745, 54703), (757, 54727), (759, 54730),

Gene: Zetzy_35 Start: 26308, Stop: 25202, Start Num: 175
Candidate Starts for Zetzy_35:
(Start: 118 @26389 has 1 MA's), (Start: 150 @26347 has 130 MA's), (Start: 175 @26308 has 11 MA's), (198, 26260), (Start: 212 @26224 has 6 MA's), (230, 26179), (323, 25996), (348, 25960), (407, 25903), (455, 25825), (480, 25780), (551, 25672), (564, 25660), (601, 25585), (603, 25579), (610, 25558), (616, 25543), (647, 25501), (716, 25387), (728, 25342), (729, 25339), (737, 25309), (739, 25303), (743, 25291), (763, 25252),

Gene: Zhuangyuan_38 Start: 24716, Stop: 23526, Start Num: 148
Candidate Starts for Zhuangyuan_38:
(Start: 148 @24716 has 95 MA's), (612, 23849), (618, 23837),

Gene: Zimmer_35 Start: 28186, Stop: 27065, Start Num: 152
Candidate Starts for Zimmer_35:
(114, 28237), (116, 28234), (128, 28216), (Start: 152 @28186 has 5 MA's), (Start: 212 @28066 has 6 MA's), (230, 28021), (251, 27985), (314, 27862), (323, 27838), (330, 27823), (407, 27745), (455, 27667), (471, 27643), (480, 27622), (489, 27604), (513, 27559), (530, 27532), (551, 27514), (564, 27502), (601, 27427), (603, 27421), (610, 27400), (616, 27385), (628, 27367), (649, 27340), (716, 27229), (729, 27181), (737, 27151), (739, 27145), (743, 27133), (763, 27094),

Gene: Zirinka_36 Start: 31303, Stop: 32385, Start Num: 154
Candidate Starts for Zirinka_36:
(Start: 86 @31192 has 6 MA's), (Start: 154 @31303 has 64 MA's), (Start: 184 @31357 has 15 MA's), (245, 31477), (405, 31732), (418, 31762), (458, 31822), (493, 31888), (505, 31912), (721, 32242), (727, 32269), (769, 32374),

Gene: Zixiang_33 Start: 24695, Stop: 23511, Start Num: 148
Candidate Starts for Zixiang_33:
(Start: 148 @24695 has 95 MA's), (261, 24476), (269, 24458), (325, 24341), (371, 24266), (372, 24263), (566, 23936), (608, 23843), (612, 23831), (622, 23813), (712, 23696), (720, 23660),

Gene: Zizzle_44 Start: 32003, Stop: 33121, Start Num: 156
Candidate Starts for Zizzle_44:
(Start: 156 @32003 has 344 MA's), (223, 32141), (240, 32174), (265, 32222), (317, 32339), (340, 32375), (351, 32384), (418, 32489), (460, 32558), (491, 32618), (498, 32630), (500, 32633), (505, 32645), (513, 32660), (527, 32684), (536, 32690), (557, 32711), (585, 32747), (587, 32750), (601, 32786), (603, 32792), (607, 32804), (608, 32807), (671, 32891), (678, 32906), (715, 32948), (725, 32993), (728, 33002), (739, 33041), (745, 33059), (756, 33080), (763, 33095), (769, 33104), (770, 33107),

Gene: Zodiariah_36 Start: 32793, Stop: 31624, Start Num: 148
Candidate Starts for Zodiariah_36:
(Start: 148 @32793 has 95 MA's), (289, 32505), (310, 32469), (325, 32430), (328, 32424), (362, 32385), (371, 32364), (374, 32352), (390, 32307), (412, 32268), (416, 32259), (421, 32244), (424, 32235), (465, 32199), (498, 32151), (616, 31956), (639, 31920), (712, 31833), (714, 31821), (743, 31716), (749, 31704), (786, 31641), (790, 31632),

Gene: ZoeJ_43 Start: 33972, Stop: 35072, Start Num: 156
Candidate Starts for ZoeJ_43:

(Start: 156 @33972 has 344 MA's), (165, 33990), (Start: 184 @34023 has 15 MA's), (221, 34098), (240, 34134), (300, 34248), (313, 34272), (340, 34326), (436, 34467), (457, 34491), (458, 34494), (480, 34536), (551, 34644), (607, 34749), (643, 34794), (654, 34809), (741, 35001),

Gene: Zucker_31 Start: 26379, Stop: 25240, Start Num: 156
Candidate Starts for Zucker_31:
(Start: 151 @26388 has 2 MA's), (Start: 156 @26379 has 344 MA's), (265, 26178), (317, 26058), (340, 26022), (352, 26010), (356, 26004), (412, 25911), (418, 25896), (457, 25836), (474, 25806), (505, 25743), (605, 25575), (616, 25545), (678, 25449), (725, 25350), (728, 25341), (732, 25329), (754, 25266),