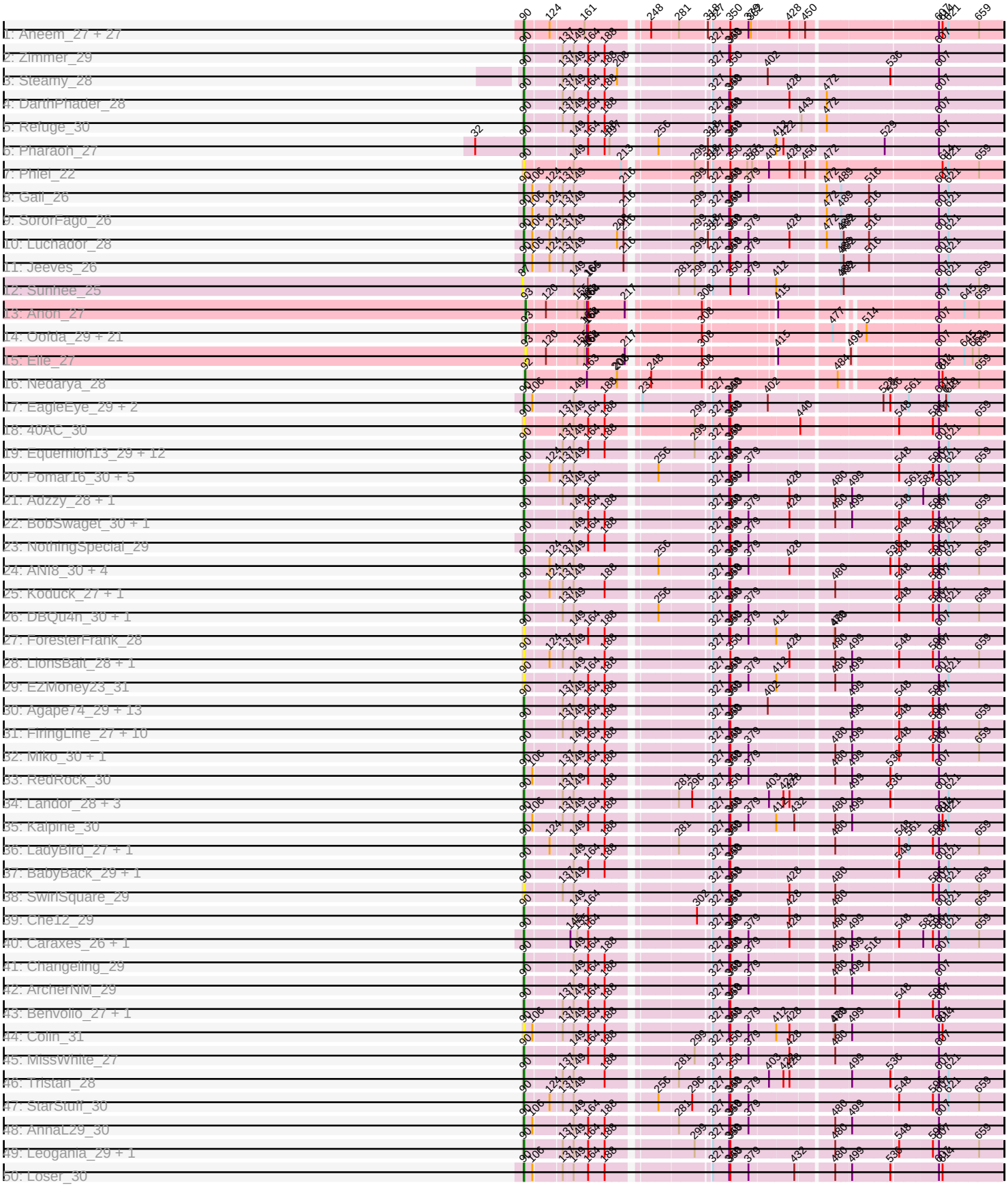
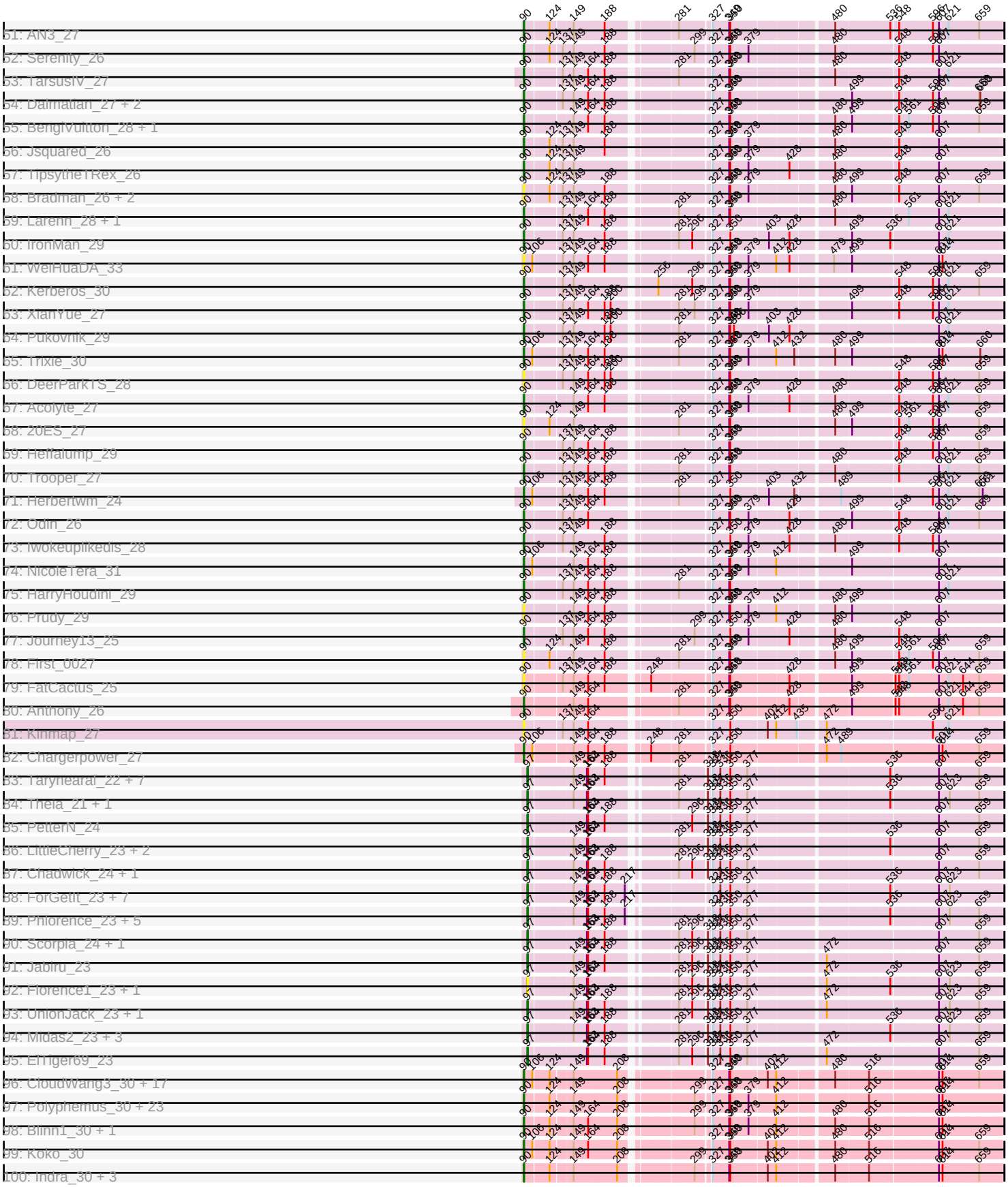
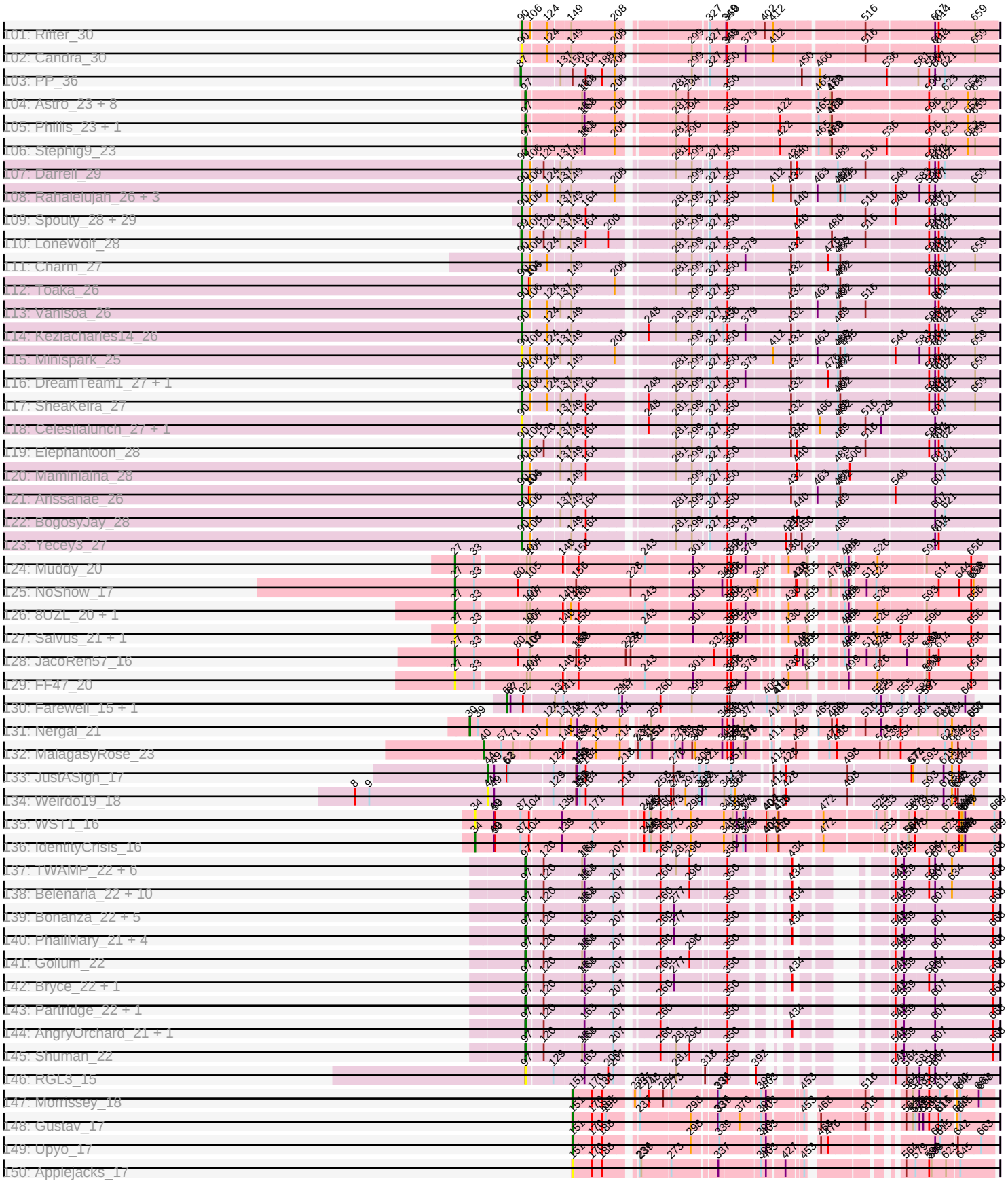
Pham 283331


1: Aneem_27 + 27
2: Zimmer_29
3: Steamy_28
4: DarthPhader_28
5: Refuge_30
6: Pharaoh_27
7: Phiel_22
8: Gail_26
9: SororFago_26
10: Luchador_28
11: Jeeves_26
12: Sunhee_25
13: Anon_27
14: Oolda_29 + 21
15: Elle_27
16: Nedarya_28
17: EagleEye_29 + 2
18: 40AC_30
19: Equemion13_29 + 12
20: Pomar16_30 + 5
21: Adzzy_28 + 1
22: BobSwaget_30 + 1
23: NothingSpecial_29
24: ANI8_30 + 4
25: Koduck_27 + 1
26: DBQu4n_30 + 1
27: ForesterFrank_28
28: LionsBait_28 + 1
29: EZMoney23_31
30: Agape74_29 + 13
31: FiringLine_27 + 10
32: Miko_30 + 1
33: RedRock_30
34: Landor_28 + 3
35: Kalpine_30
36: LadyBird_27 + 1
37: BabyBack_29 + 1
38: SwimSquare_29
39: Che12_29
40: Caraxes_26 + 1
41: Changeling_29
42: ArcherNM_29
43: Benvolio_27 + 1
44: Colin_31
45: MissWhite_27
46: Tristan_28
47: StarStuff_30
48: AnnaL29_30
49: Leogania_29 + 1
50: Loser_30

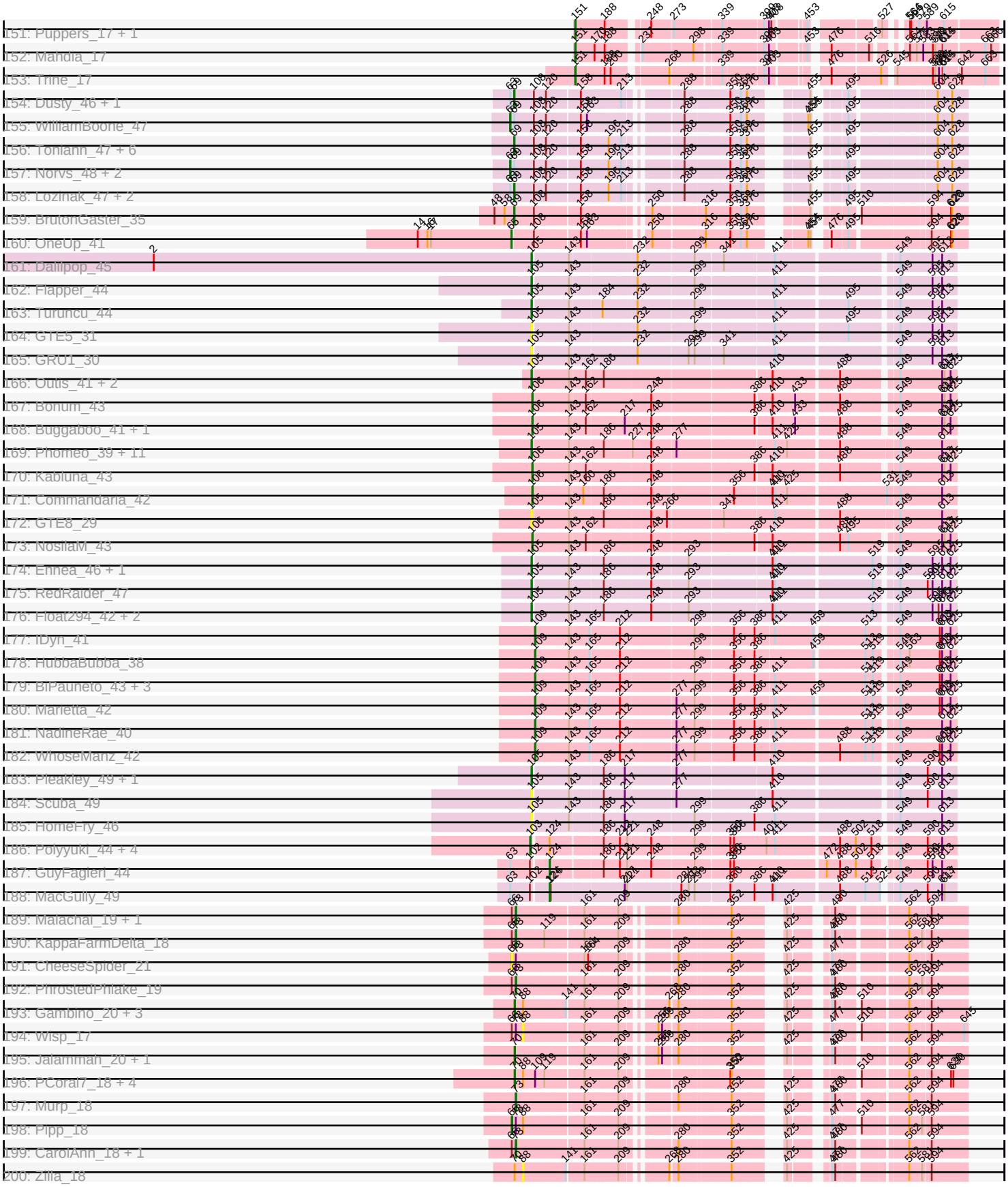
Pham 283331


51: AN3_27
52: Serenity_26
53: TarsusIV_27
54: Dalmatian_27 + 2
55: BengiVuitton_28 + 1
56: Jsquared_26
57: TipsytheTRex_26
58: Bradman_26 + 2
59: Larenn_28 + 1
60: IronMan_29
61: WeiHuaDA_33
62: Kerberos_30
63: XianYue_27
64: Pukovnik_29
65: Trixie_30
66: DeerParkTS_28
67: Acolyte_27
68: 20ES_27
69: Hellalump_29
70: Trooper_27
71: Herbertwm_24
72: Odin_26
73: Iwokeuplikedis_28
74: NicoleTera_31
75: HarryHoudini_29
76: Prudy_29
77: Journey13_25
78: First_0027
79: FatCactus_25
80: Anthony_26
81: Kinmap_27
82: Chargerpower_27
83: Tarynearal_22 + 7
84: Theia_21 + 1
85: PetterN_24
86: LittleCherry_23 + 2
87: Chadwick_24 + 1
88: ForGetit_23 + 7
89: Phlorence_23 + 5
90: Scorpia_24 + 1
91: Jabiru_23
92: Florence1_23 + 1
93: UnionJack_23 + 1
94: Midas2_23 + 3
95: ElTiger69_23
96: CloudWang3_30 + 17
97: Polyphemus_30 + 23
98: Blinn1_30 + 1
99: Koko_30
100: Indra_30 + 3

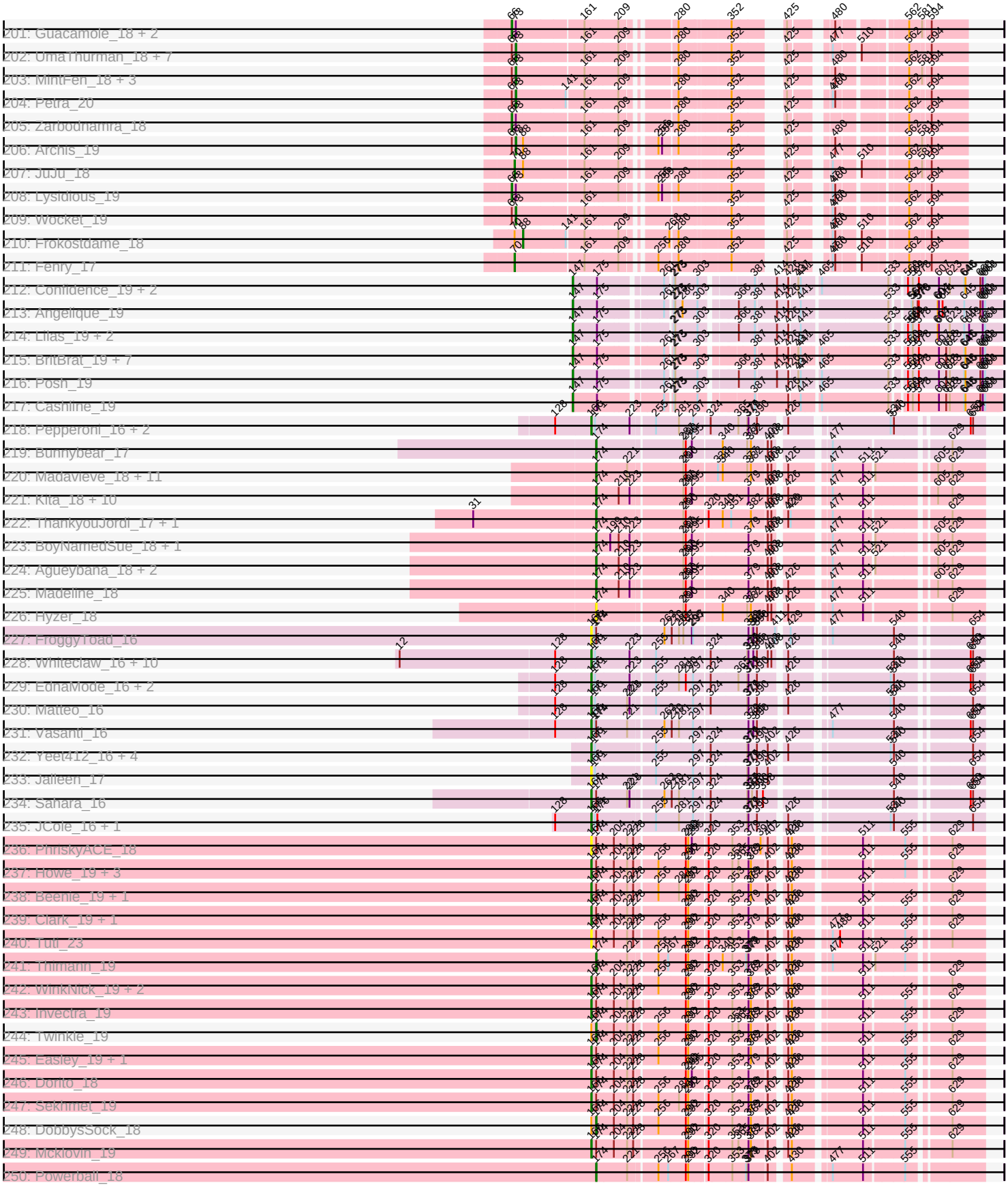
Pham 283331


I01: Rifter_30
I02: Candra_30
I03: PP_36
I04: Astro_23 + 8
I05: Phillis_23 + 1
I06: Stephig9_23
I07: Darrell_29
I08: Rahalelujah_26 + 3
I09: Spouty_28 + 29
I10: LoneWolf_28
I11: Charm_27
I12: Toaka_26
I13: Vanisoa_26
I14: Keziachanes14_26
I15: Minispark_25
I16: DreamTeam1_27 + 1
I17: SheaKeira_27
I18: Celestialunch_27 + 1
I19: Elephantoon_28
I20: Maminiaina_28
I21: Anssanae_26
I22: BogosyJay_28
I23: Yecey3_27
I24: Muddy_20
I25: NoSnow_17
I26: 8UZL_20 + 1
I27: Salvus_21 + 1
I28: JacoRen57_16
I29: FF47_20
I30: Farewell_15 + 1
I31: Nergal_21
I32: MalagasyRose_23
I33: JustASigh_17
I34: Weirdo19_18
I35: WST1_16
I36: IdentityCrisis_16
I37: TWAMP_22 + 6
I38: Belenaria_22 + 10
I39: Bonanza_22 + 5
I40: PhatMary_21 + 4
I41: Gollum_22
I42: Bryce_22 + 1
I43: Partridge_22 + 1
I44: AngryOrchard_21 + 1
I45: Shuman_22
I46: RGL3_15
I47: Morrissey_18
I48: Gustav_17
I49: Opyo_17
I50: Applejacks_17

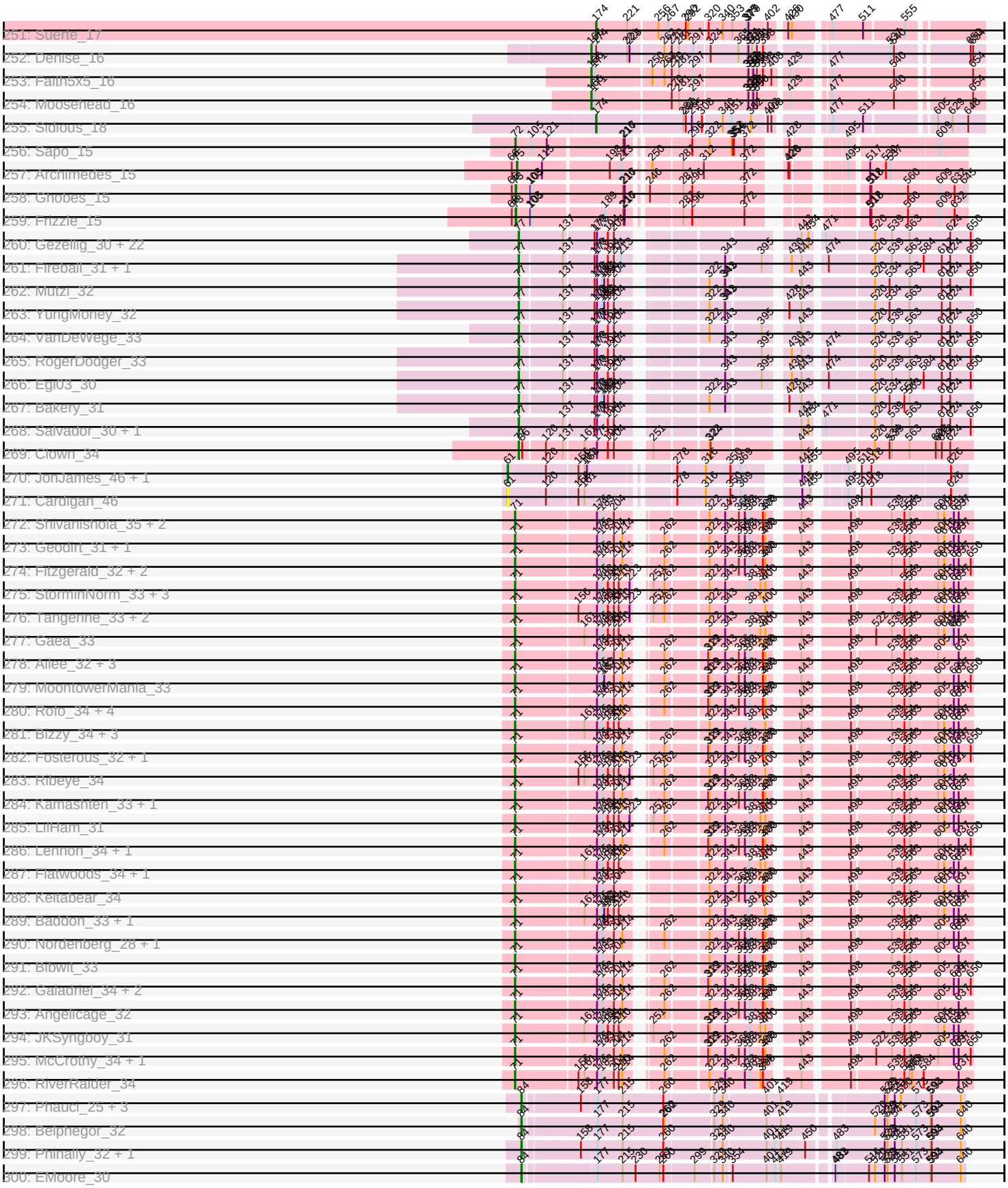
Pham 283331


151: Puppers_17 + 1
152: Mandia_17
153: Trine_17
154: Dusty_46 + 1
155: WilliamBoone_47
156: Tonlann_47 + 6
157: Norvs_48 + 2
158: Lozinak_47 + 2
159: BrutonGaster_35
160: OneUp_41
161: Dallipop_45
162: Flapper_44
163: Turuncu_44
164: GTE5_31
165: GRU1_30
166: Outis_41 + 2
167: Bonum_43
168: Buggaboo_41 + 1
169: Phomeo_39 + 11
170: Kabluna_43
171: Commandaria_42
172: GTE8_29
173: NosliaM_43
174: Ennea_46 + 1
175: RedRaider_47
176: Float294_42 + 2
177: iDyn_41
178: HubbaBubba_38
179: BiPauneto_43 + 3
180: Marietta_42
181: NadineRae_40
182: WhoseManz_42
183: Pleakley_49 + 1
184: Scuba_49
185: HomeFry_46
186: Polyyuki_44 + 4
187: GuyFagieri_44
188: MacGully_49
189: Malachai_19 + 1
190: KappaFarmDelta_18
191: CheeseSpider_21
192: PhrostedPhlake_19
193: Gambino_20 + 3
194: Wisp_17
195: Jalammah_20 + 1
196: PCoral7_18 + 4
197: Murp_18
198: Pipp_18
199: CarolAnn_18 + 1
200: Zilla_18

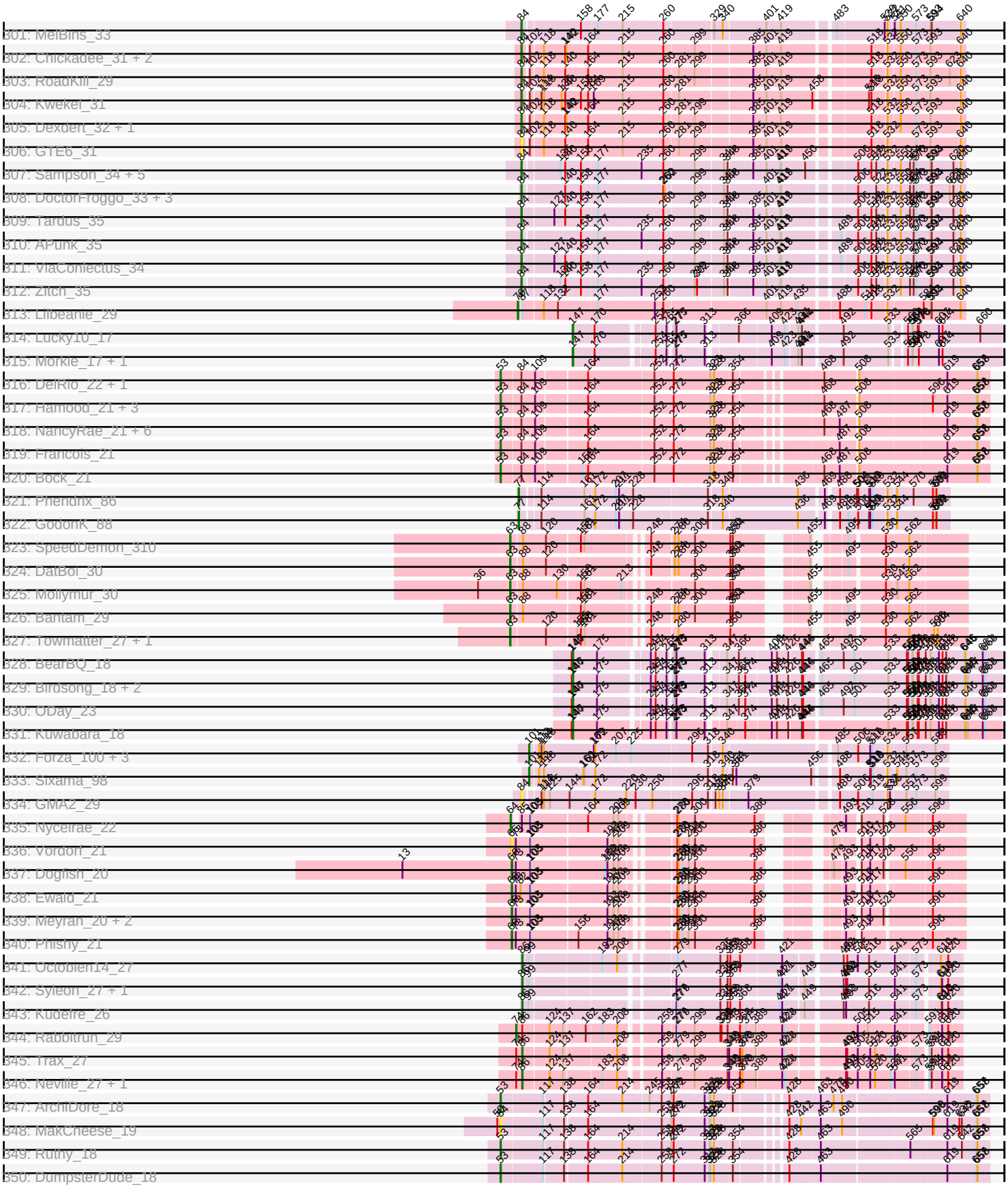
Pham 283331


201: Guacamole_18 + 2
202: UmaThurman_18 + 7
203: MintFen_18 + 3
204: Petra_20
205: Zarboonamra_18
206: Archis_19
207: JuJu_18
208: Lysidious_19
209: Wocket_19
210: Frokostdame_18
211: Fenry_17
212: Confidence_19 + 2
213: Angelique_19
214: Lilas_19 + 2
215: BritBrat_19 + 7
216: Posh_19
217: Cashline_19
218: Pepperoni_16 + 2
219: Bunnybear_17
220: Madavieve_18 + 11
221: Kita_18 + 10
222: ThankyouJordi_17 + 1
223: BoyNamedSue_18 + 1
224: Agueybana_18 + 2
225: Madeline_18
226: Hyzer_18
227: FroggyToad_16
228: Whiteclaw_16 + 10
229: EdnaMode_16 + 2
230: Matteo_16
231: Vasanti_16
232: Yeet412_16 + 4
233: Jalleen_17
234: Sahara_16
235: JCole_16 + 1
236: PhilskyACE_18
237: Howe_19 + 3
238: Beenie_19 + 1
239: Clark_19 + 1
240: Tutt_23
241: Thilmann_19
242: WinkNick_19 + 2
243: Invectra_19
244: Twinkie_19
245: Easley_19 + 1
246: Domto_18
247: Sekhmet_19
248: DobbysSock_18
249: Mcklovin_19
250: Powerball_18

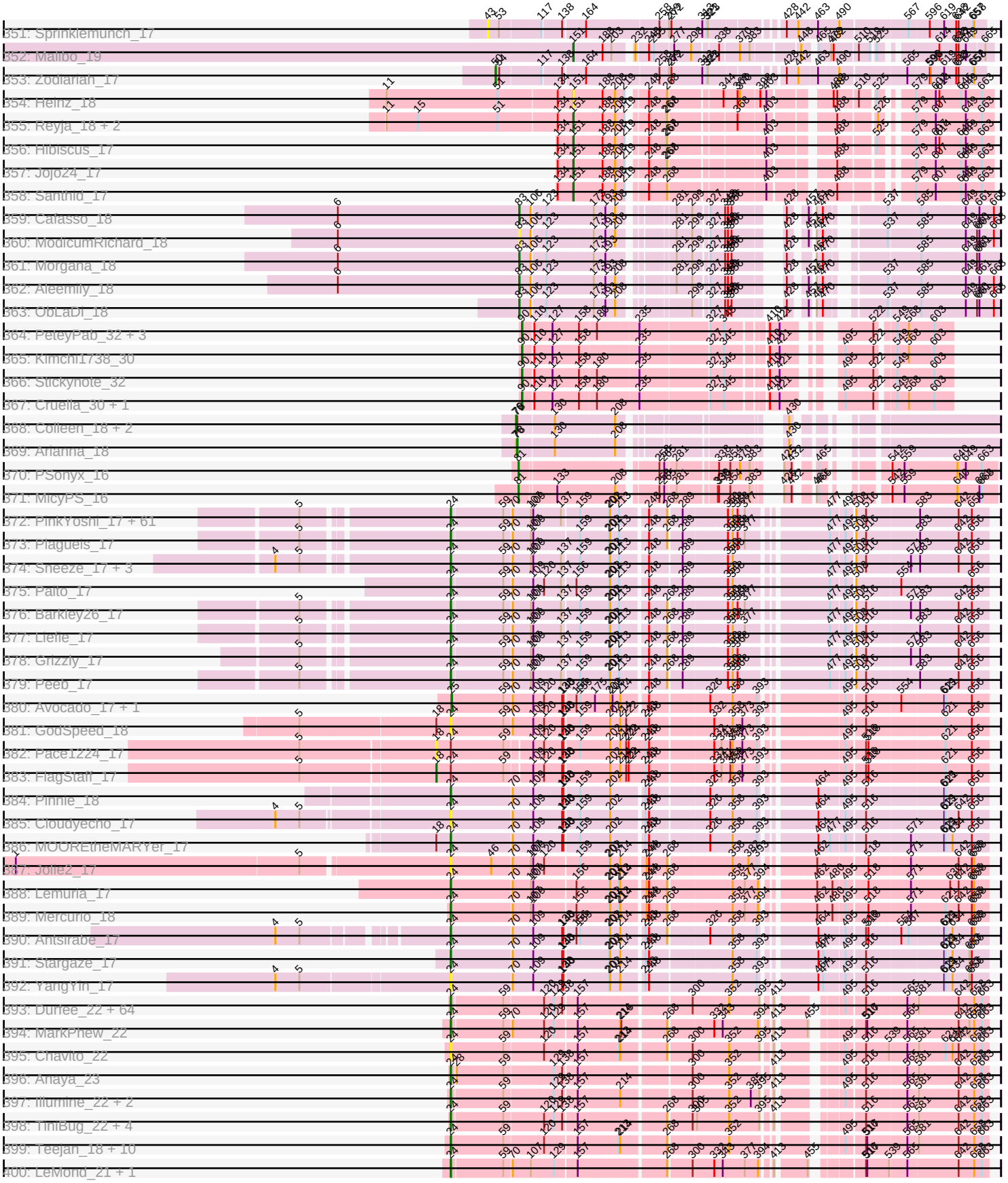
Pham 283331


251: Suerte_17
252: Denise_16
253: Faith5x5_16
254: Moosehead_16
255: Sidious_18
256: Sapo_15
257: Archimedes_15
258: Ghobes_15
259: Frizzle_15
260: Gezellig_30 + 22
261: Fireball_31 + 1
262: Mutzi_32
263: YungMoney_32
264: VanDeWege_33
265: RogerDodger_33
266: Egl03_30
267: Bakery_31
268: Salvador_30 + 1
269: Clown_34
270: JonJames_46 + 1
271: Cardigan_46
272: Shivanishola_35 + 2
273: Geodirt_31 + 1
274: Fitzgerald_32 + 2
275: StorminNorm_33 + 3
276: Tangerine_33 + 2
277: Gaea_33
278: Allee_32 + 3
279: MoontowerMania_33
280: Rolo_34 + 4
281: Bizzy_34 + 3
282: Fosterous_32 + 1
283: Ribeye_34
284: Kamashten_33 + 1
285: LilHam_31
286: Lennon_34 + 1
287: Flatwoods_34 + 1
288: Keitabear_34
289: Baddon_33 + 1
290: Nordenberg_28 + 1
291: Blowit_33
292: Galadriel_34 + 2
293: Angelicage_32
294: JKSyngboy_31
295: McCrotny_34 + 1
296: RiverRaider_34
297: Phauci_25 + 3
298: Belphegor_32
299: Phinally_32 + 1
300: EMoore_30

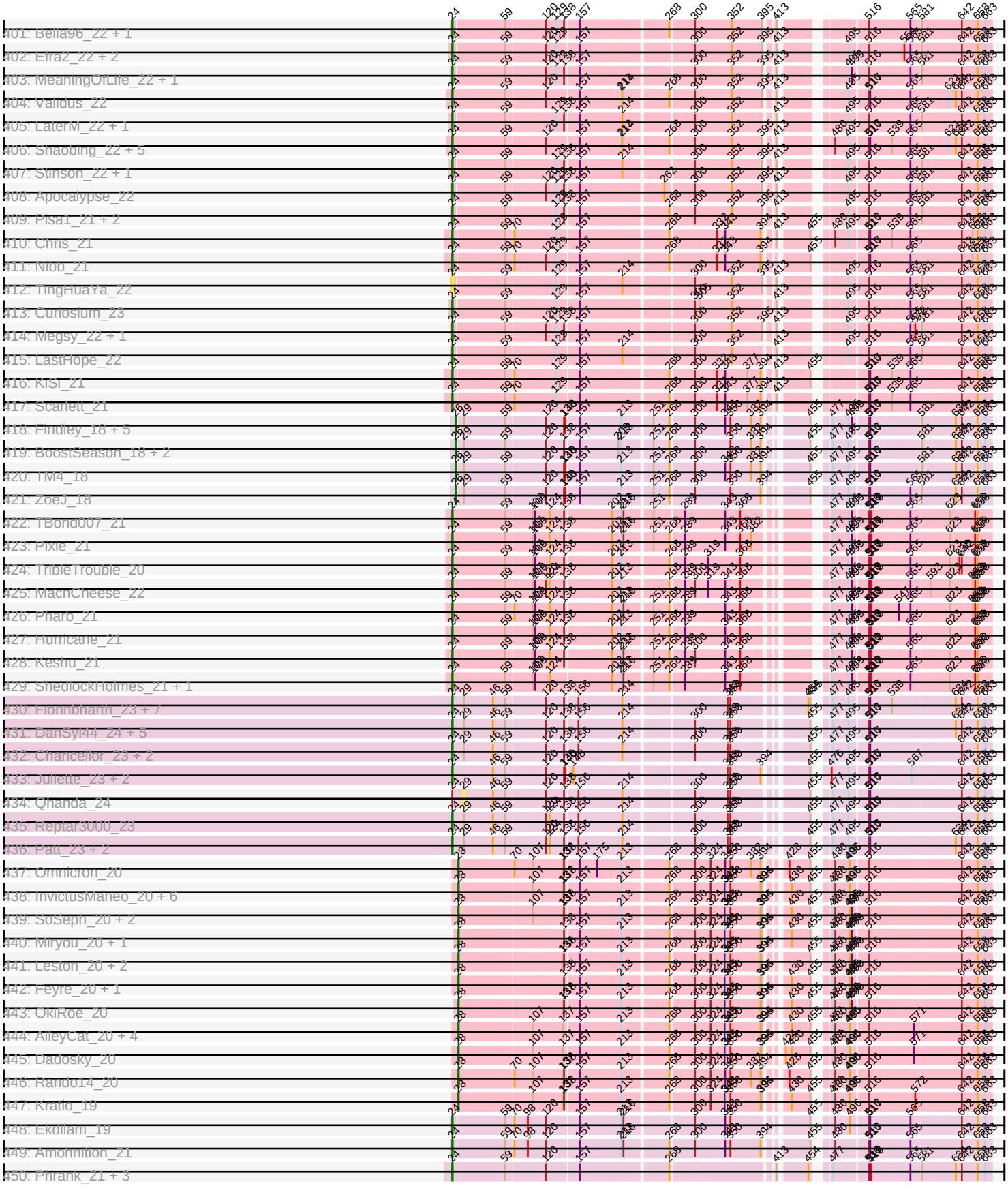
Pham 283331


301: MelBins_33
302: Chickadee_31 + 2
303: RoadKill_29
304: Kwekel_31
305: Dexdert_32 + 1
306: GTE6_31
307: Sampson_34 + 5
308: DoctorFroggo_33 + 3
309: Tardus_35
310: APunk_35
311: ViaConiectus_34
312: Zitch_35
313: Lilbeanie_29
314: Lucky10_17
315: Morkie_17 + 1
316: DelRio_22 + 1
317: Hamood_21 + 3
318: NancyRae_21 + 6
319: Francois_21
320: Bock_21
321: Phendrix_86
322: GodonK_88
323: SpeedDemon_310
324: DatBoi_30
325: Mollymur_30
326: Bantam_29
327: Towmatter_27 + 1
328: BearBQ_18
329: Birdsong_18 + 2
330: ODay_23
331: Kuwabara_18
332: Forza_100 + 3
333: Sixama_98
334: GMA2_29
335: Nycelrae_22
336: Vordon_21
337: Dogfish_20
338: Ewald_21
339: Meyran_20 + 2
340: Phishy_21
341: Octobien14_27
342: Syleon_27 + 1
343: Kudeire_26
344: Rabbitrun_29
345: Trax_27
346: Neville_27 + 1
347: ArchiDore_18
348: MakCheese_19
349: Ruthy_18
350: DumpsterDude_18

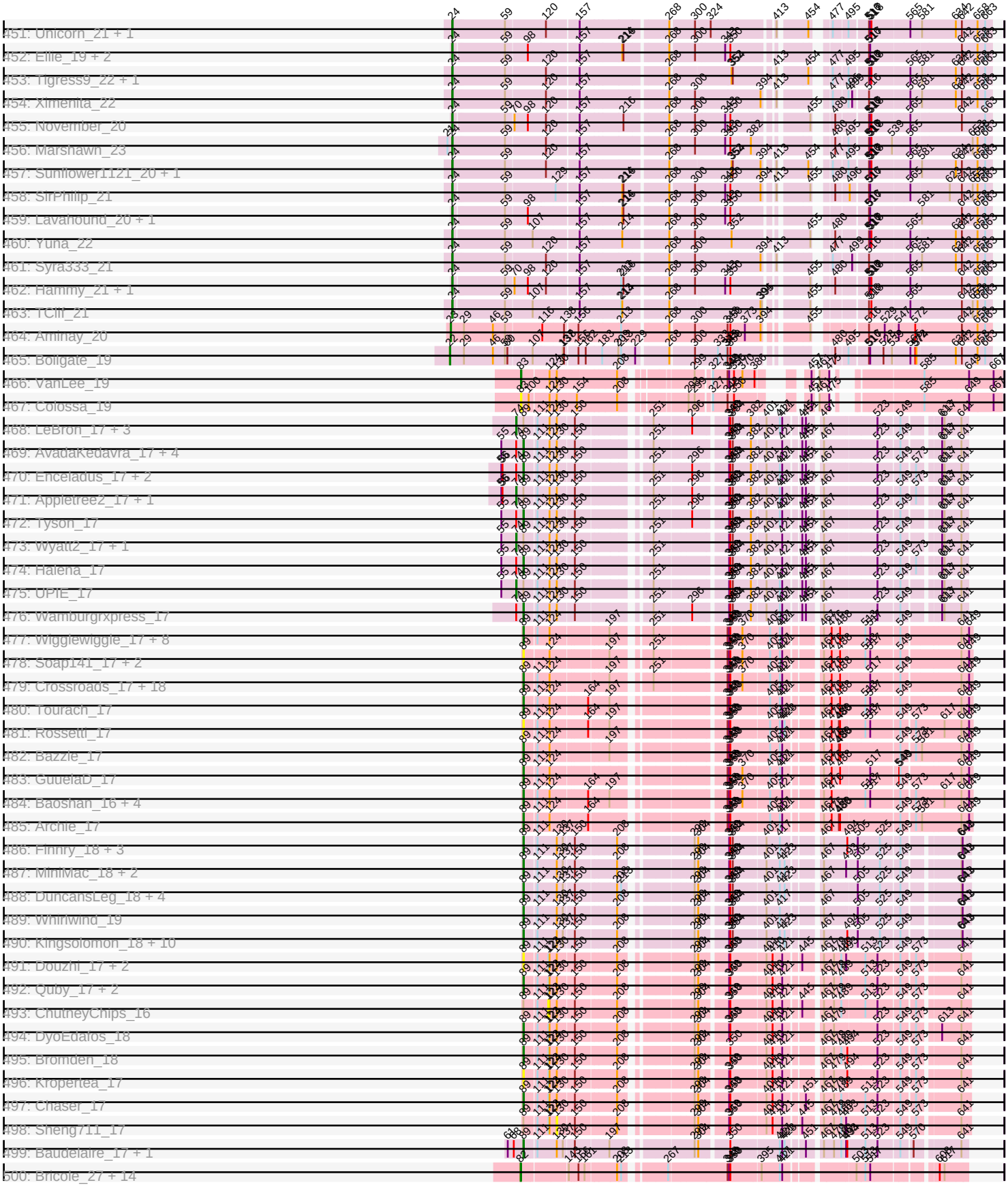
Pham 283331


351: Sprinklemunch_17
352: Malibo_19
353: Zodiarian_17
354: Heinz_18
355: Reyja_18 + 2
356: Hibiscus_17
357: Jojo24_17
358: Santhid_17
359: Calasso_18
360: ModicumRichard_18
361: Morgana_18
362: Aleemily_18
363: ObLaDi_18
364: PeteyPab_32 + 3
365: Kimchi1738_30
366: Stickynote_32
367: Cruella_30 + 1
368: Colleen_18 + 2
369: Arianna_18
370: PSonyx_16
371: MicyPS_16
372: PinkYoshi_17 + 61
373: Plagueis_17
374: Sneeze_17 + 3
375: Paito_17
376: Barkley26_17
377: Lielle_17
378: Grizzly_17
379: Peeb_17
380: Avocado_17 + 1
381: GodSpeed_18
382: Pace1224_17
383: FlagStaff_17
384: Pinnie_18
385: Cloudyecho_17
386: MOOREtheMARYer_17
387: Jolie2_17
388: Lemuria_17
389: Mercurio_18
390: Antsirabe_17
391: Stargaze_17
392: YangYin_17
393: Durree_22 + 64
394: MarkPhew_22
395: Chavito_22
396: Anaya_23
397: Illumine_22 + 2
398: TiniBug_22 + 4
399: Teejan_18 + 10
400: LeMond_21 + 1

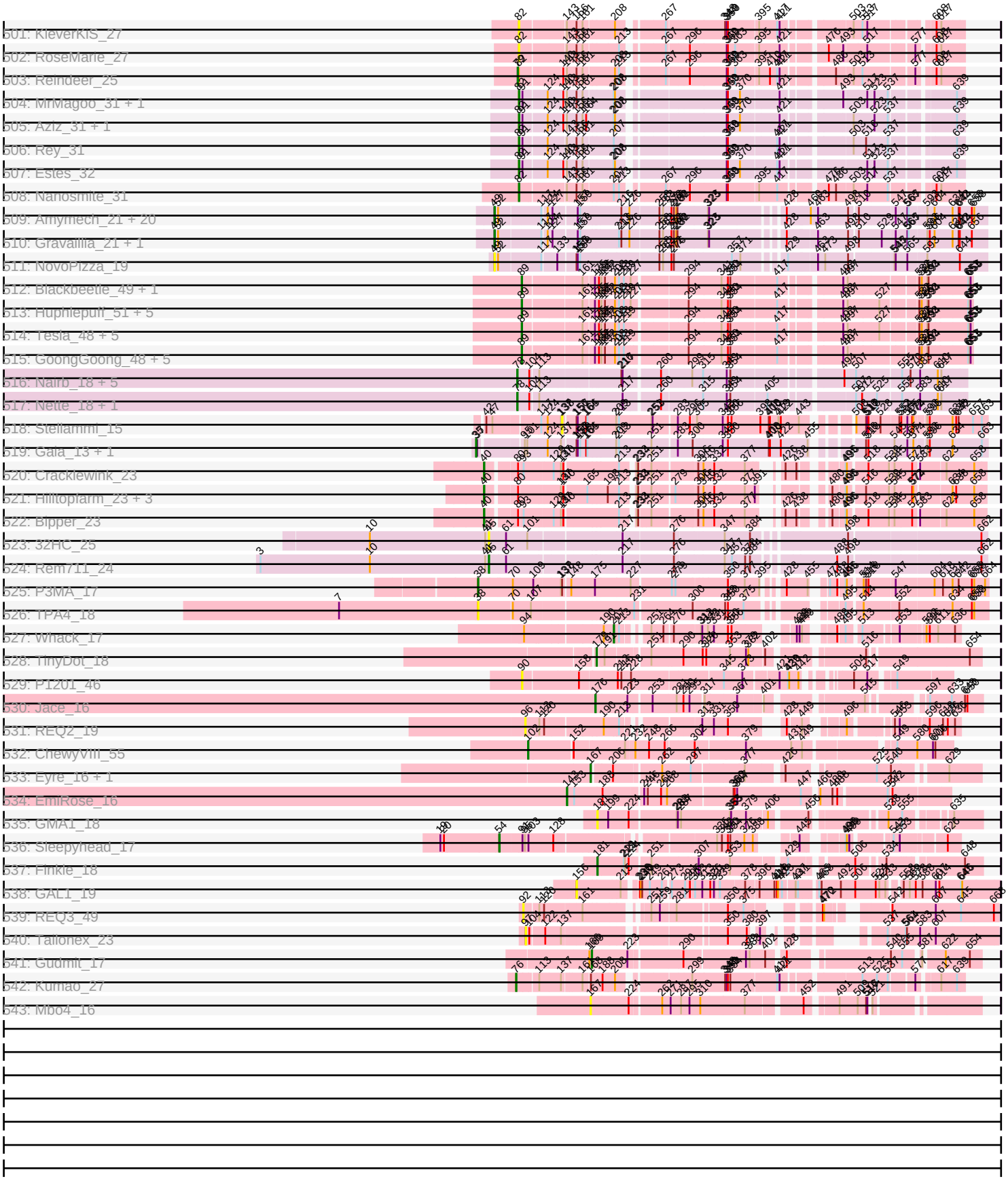
Pham 283331


401: Bella96_22 + 1
402: Elra2_22 + 2
403: MeaningOfLife_22 + 1
404: Validus_22
405: LaterM_22 + 1
406: Shaobing_22 + 5
407: Stinson_22 + 1
408: Apocalypse_22
409: Pisa1_21 + 2
410: Chris_21
411: Nibb_21
412: YingHuaYa_22
413: Curiosium_23
414: Megsy_22 + 1
415: LastHope_22
416: KiSi_21
417: Scarlett_21
418: Findley_18 + 5
419: BoostSeason_18 + 2
420: TM4_18
421: ZoeJ_18
422: TBond007_21
423: Pixie_21
424: TribleTrouble_20
425: MacnCheese_22
426: Pharb_21
427: Hurricane_21
428: Keshu_21
429: SherlockHolmes_21 + 1
430: Fionnbharth_23 + 7
431: DanSyl44_24 + 5
432: Chancellor_23 + 2
433: Juliette_23 + 2
434: Qhanda_24
435: Reptar3000_23
436: Patt_23 + 2
437: Omnicron_20
438: InvictusManeo_20 + 6
439: SoSeph_20 + 2
440: Miryou_20 + 1
441: Leston_20 + 2
442: Feyre_20 + 1
443: OkiRoe_20
444: AlleyCat_20 + 4
445: Dadosky_20
446: Rando14_20
447: Kratio_19
448: Ekdiam_19
449: Amonnition_21
450: Phrank_21 + 3

Pham 283331


451: Unicorn_21 + 1
452: Ellie_19 + 2
453: Tigress9_22 + 1
454: Ximenita_22
455: November_20
456: Marshawn_23
457: Sunflower1121_20 + 1
458: SirPhillip_21
459: Lavahound_20 + 1
460: Yuna_22
461: Syra333_21
462: Hammy_21 + 1
463: TCill_21
464: Aminay_20
465: Boilgate_19
466: VanLee_19
467: Colossa_19
468: LeBron_17 + 3
469: AvadaKedavra_17 + 4
470: Enceladus_17 + 2
471: Appletree2_17 + 1
472: Tyson_17
473: Wyatt2_17 + 1
474: Halena_17
475: UPIE_17
476: Wamburgrxpress_17
477: Wigglewiggle_17 + 8
478: Soap141_17 + 2
479: Crossroads_17 + 18
480: Tourach_17
481: Rossetti_17
482: Bazzle_17
483: GuuelaD_17
484: Baoshan_16 + 4
485: Archie_17
486: Finnry_18 + 3
487: MiniMac_18 + 2
488: DuncansLeg_18 + 4
489: Whirlwind_19
490: Kingsolomon_18 + 10
491: Douzhi_17 + 2
492: Quby_17 + 2
493: ChutneyChips_16
494: DyoEdafos_18
495: Bromden_18
496: Kropertea_17
497: Chaser_17
498: Sheng711_17
499: Baudelaire_17 + 1
500: Bricole_27 + 14

Pham 283331


501: KieverKIS_27
502: RoseMarie_27
503: Reindeer_25
504: MrMagoo_31 + 1
505: Aziz_31 + 1
506: Rey_31
507: Estes_32
508: Nanosmite_31
509: Amymech_21 + 20
510: Gravalilia_21 + 1
511: NovoPizza_19
512: Blackbeetle_49 + 1
513: Hufflepuff_51 + 5
514: Tesla_48 + 5
515: GoongGoong_48 + 5
516: Nairo_18 + 5
517: Nette_18 + 1
518: Stellammi_15
519: Gala_13 + 1
520: Cracklewink_23
521: Hilltoplarm_23 + 3
522: Bipper_23
523: 32HC_25
524: Rem711_24
525: P3MA_17
526: TPA4_18
527: Whack_17
528: TinyDot_18
529: PI201_46
530: Jace_16
531: REQ2_19
532: ChewyVIII_55
533: Eyre_16 + 1
534: EmiRose_16
535: GMA1_18
536: Sleepyhead_17
537: Finkie_18
538: GALI_19
539: REQ3_49
540: Tallonex_23
541: Gudmit_17
542: Kumao_27
543: Mibo4_16

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 283331 Report

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

Pham number 283331 has 1367 members, 185 are drafts.

Phages represented in each track:
• Track 1 : Aneem_27, Bachome_27, Petersenfast_26, Gilberta_27, Kimba_27, Orange_27, Hutc2_27, Bowtie_27, Mabel_27, Saskia_26, Lucivia_27, Et2Brutus_26, MaCh_27, TinyTimmy_27, Joselito_27, Jabith_27, Bud_27, Mulciber_27, Munch_27, Flaverint_27, Salz_27, Ebony_27, Sham4_27, Insomnia_27, Wolpertinger_26, Fibonacci_27, Snape_27, Timothy_27
• Track 2 : Zimmer_29
• Track 3 : Steamy_28
• Track 4 : DarthPhader_28
• Track 5 : Refuge_30
• Track 6 : Pharaoh_27
• Track 7 : Phlei_22
• Track 8 : Gail_26
• Track 9 : SororFago_26
• Track 10 : Luchador_28
• Track 11 : Jeeves_26
• Track 12 : Sunhee_25
• Track 13 : Anon_27
• Track 14 : Oofda_29, ReMo_29, ShayRa_30, Soups_29, KatherineG_29, Anaysia_29, Boohoo_29, Strosahl_29, MinecraftSteve_30, JSwag_29, Waits_29, Nebulosus_29, Looper_30, Remus_29, Rosalind_29, Warrior24_29, Ravana_30, Epsocamisio_29, DekHockey33_29, Battleship_30, Switzerland_29, LastResort_29
• Track 15 : Elle_27
• Track 16 : Nedarya_28
• Track 17 : EagleEye_29, PainterBoy_28, Lucyedi_28
• Track 18 : 40AC_30
• Track 19 : Equemioh13_29, Terrific_31, Gratitude_28, Piro94_28, Updawg_29, Drake55_29, Centaur_29, WideWale_29, Sknot_27, MiculUcigas_27, Flare16_27, NaSiaTalie_27, Baehexic_28
• Track 20 : Pomar16_30, D32_30, Tomathan_30, Naji_30, D29_27, Travvers_30
• Track 21 : Adzzy_28, Ph8s_28
• Track 22 : BobSwaget_30, Rachaly_30
• Track 23 : NothingSpecial_29
• Track 24 : ANI8_30, VC3_30, AN9_30, VA6_27, C3_25
• Track 25 : Koduck_27, L5_27
• Track 26 : DBQu4n_30, Duplo_30
• Track 27 : ForesterFrank_28
• Track 28 : LionsBait_28, HippoHollow_28

• Track 29 : EZMoney23_31
• Track 30 : Agape74_29, LilTurb_29, JoshKayV_29, AbbyPaige_29, Bugsy_29, Leviathan_29, Whabigail7_29, Dignity_29, Jerm_29, Smeagan_29, ChipMunk_29, KingCyrus_29, Turbido_29, EvilGenius_29
• Track 31 : FiringLine_27, Crucio_27, QueenBeesly_27, Georgie2_28, Fameo_27, QueenB2_27, Anselm_27, Power_27, SemperFi_29, SnapTap_27, SweetiePie_27
• Track 32 : Miko_30, Lokk_30
• Track 33 : RedRock_30
• Track 34 : Landor_28, Phaded_30, Bactobuster_28, Jaan_30
• Track 35 : Kalpine_30
• Track 36 : LadyBird_27, CRB1_27
• Track 37 : BabyBack_29, GaugeLDP_29
• Track 38 : SwirlSquare_29
• Track 39 : Che12_29
• Track 40 : Caraxes_26, Superchunk_26
• Track 41 : Changeling_29
• Track 42 : ArcherNM_29
• Track 43 : Benvolio_27, Echild_27
• Track 44 : Colin_31
• Track 45 : MissWhite_27
• Track 46 : Tristan_28
• Track 47 : StarStuff_30
• Track 48 : AnnaL29_30
• Track 49 : Leogania_29, BiancaTri92_29
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• Track 51 : AN3_27
• Track 52 : Serenity_26
• Track 53 : TarsusIV_27
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• Track 55 : BengiVuitton_28, Deloris_28
• Track 56 : Jsquared_26
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• Track 58 : Bradman_26, MajorMajor_26, Quokka_25
• Track 59 : Larenn_28, Malec_28
• Track 60 : IronMan_29
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• Track 84 : Theia_21, Twigg_23
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• Track 86 : LittleCherry_23, Bonamassa_23, Tiger_23
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• Track 88 : ForGetIt_23, Conspiracy_23, Ghoulboy_23, Zolita_22, SydNat_23, Archetta_23, Bluefalcon_22, Jovo_23
• Track 89 : Phlorence_23, Lev2_23, AgentM_23, PickleBack_23, Discoknowium_23, Aragog_23
• Track 90 : Scorpia_24, Benedict_23
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• Track 92 : Florence1_23, Florence4_24
• Track 93 : UnionJack_23, Airmid_23
• Track 94 : Midas2_23, Coog_23, Dublin_22, MarysWell_22
• Track 95 : ElTiger69_23
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• Track 97 : Polyphemus_30, GreedyLawyer_30, Kazan_30, VohminGhazi_30, EricB_30, BABullseye_30, SmellyB_30, Chartreuse_30, Kipper29_30, Dorothea_30, DaVinci_30, DelvinSonDorr_29, Neeharika16_30, McFly_30, Cookiedough_30, Jordennis_30, Hoot_30, SuperCallie99_30, SuperAwesome_30, Pmask_30, JewelBug_30, BennyP_30, Isiphiwo_30, Newrala_30
• Track 98 : Blinn1_30, Priamo_30
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• Track 100 : Indra_30, Garak_31, Helmet_30, Temprado_30
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• Track 104 : Astro_23, Dixon_23, Smeadley_23, Caitlin_22, NearlyHeadless_23, Danforth_22, Expelliarmus_22, Saintus_23, Roary_23
• Track 105 : Phillis_23, Groundhog_22
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• Track 108 : Rahalelujah_26, Bellris_25, CogOmlette_25, WorldCup_25
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• Track 116 : DreamTeam1_27, Klodlith_27
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• Track 133 : JustASigh_17
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• Track 136 : IdentityCrisis_16
• Track 137 : TWAMP_22, Erik_22, Phrankenstein_22, Lillie_22, Bradshaw_22, Rhodalysa_22, CosmicSans_22
• Track 138 : Belenaria_22, StCroix_22, RexFury_22, Espica_22, RER2_15, Naiad_22, Nancinator_22, UhSalsa_22, Swann_22, Alatin_22, Natosaleda_22
• Track 139 : Bonanza_22, Rasputin_22, BobbyDazzler_22, Alpacados_21, Yoncess_22, Yogi_22
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• Track 475 : UPIE_17
• Track 476 : Wamburgrxpress_17
• Track 477 : Wigglewiggle_17, Lynnae_17, Loadrie_17, Underpass_17, Kahlid_17, OverPar_17, Nicholasp3_17, Gardann_17, Wilder_17
• Track 478 : Soap141_17, Sarshaun_17, Hafay_17
• Track 479 : Crossroads_17, SoJulia_17, Lewan_17, Faith1_17, Netyap_17, LilDestine_17, Miley16_17, MkaliMitinis3_17, Finemlucis_17, Breezona_17, Rumpelstiltskin_17, BobsGarage_17, Vetrix_17, DrSeegs_17, Zakai_17, Gabriela_17, Itos_17, BigCheese_17, Winky_17
• Track 480 : Tourach_17
• Track 481 : Rossetti_17
• Track 482 : Bazzle_17
• Track 483 : GuuelaD_17
• Track 484 : Baoshan_16, DHan_17, ZhongYanYuan_16, DanBing_16, Claus_17
• Track 485 : Archie_17
• Track 486 : Finnry_18, Moostard_18, Bellis_18, Samty_18
• Track 487 : MiniMac_18, MiniLon_18, Lolly9_18
• Track 488 : DuncansLeg_18, LiyuLake_18, Ellson_18, BourbonZero_17, KirDoubleO7_16
• Track 489 : Whirlwind_19

• Track 490 : Kingsolomon_18, TriFive_18, Snenia_18, Jobypre_18, Red305_18, Lumos_18, MsGreen_18, Jubie_18, Krypton555_18, Clautastrophe_18, Nicholas_18
• Track 491 : Douzhi_17, PYPDinur_17, BrainDrainer_18
• Track 492 : Quby_17, Douge_17, FarmResident_17
• Track 493 : ChutneyChips_16
• Track 494 : DyoEdafos_18
• Track 495 : Bromden_18
• Track 496 : Kropertea_17
• Track 497 : Chaser_17
• Track 498 : Sheng711_17
• Track 499 : Baudelaire_17, Aegeus_17
• Track 500 : Bricole_27, PegLeg_27, TyDawg_27, Auspice_27, TpudiCK_28, Glaske16_28, FreakyGoo_28, IPhane7_27, Diminimus_28, Izel_28, SlimJimmy_26, Skinny_28, LilhomieP_26, Bongo_27, Dulcita_28
• Track 501 : KleverKiS_27
• Track 502 : RoseMarie_27
• Track 503 : Reindeer_25
• Track 504 : MrMagoo_31, GardenSalsa_31
• Track 505 : Aziz_31, GenevaB15_31
• Track 506 : Rey_31
• Track 507 : Estes_32
• Track 508 : Nanosmite_31
• Track 509 : Amymech_21, Forge_21, Luke_21, Giles_21, BloominB_21, DeepSoil15_21, Evanesce_21, HH92_21, Dewey_21, Ubuntu_21, OBUpride_21, Luna22_21, Kinbote_21, Webster2_21, LilHazelnut_21, Hadrien_21, Wishmaker_21, Ein37_21, Daegal_22, Amochick_21, Hail_21
• Track 510 : Gravaillia_21, Gancho_20
• Track 511 : NovoPizza_19
• Track 512 : Blackbeetle_49, Poise_49
• Track 513 : Huphlepuff_51, Clarkson_50, FeliMaine_51, Corazon_47, Lilbit_48, LittleLaf_49
• Track 514 : Tesla_48, Caprice_46, MosMoris_47, Raela_49, RedRaider77_49, Gattaca_48
• Track 515 : GoongGoong_48, Marvin_47, Pringar_49, VasuNzinga_49, Beelzebub_53, JoieB_50
• Track 516 : Nairb_18, ZenTime222_18, RonRayGun_18, Whitty_18, Bernal13_18, Ibrahim_18
• Track 517 : Nette_18, Mendokysei_17
• Track 518 : Stellammi_15
• Track 519 : Gaia_13, Nebkiss_14
• Track 520 : Cracklewink_23
• Track 521 : Hilltopfarm_23, Faiyaz_23, Typha_23, AuntGwenStacy_23
• Track 522 : Bipper_23
• Track 523 : 32HC_25
• Track 524 : Rem711_24
• Track 525 : P3MA_17
• Track 526 : TPA4_18
• Track 527 : Whack_17
• Track 528 : TinyDot_18
• Track 529 : P1201_46
• Track 530 : Jace_16
• Track 531 : REQ2_19
• Track 532 : ChewyVIII_55

• Track 533 : Eyre_16, RavenCo17_16
• Track 534 : EmiRose_16
• Track 535 : GMA1_18
• Track 536 : Sleepyhead_17
• Track 537 : Finkle_18
• Track 538 : GAL1_19
• Track 539 : REQ3_49
• Track 540 : Tailonex_23
• Track 541 : Gudmit_17
• Track 542 : Kumao_27
• Track 543 : Mbo4_16

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

The start number called the most often in the published annotations is 24, it was called in 231 of the 1182 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ActinUp_22, Adephagia_22, Adonis_22, Ageofdapage_22, AizenPogi_17, AlishaPH_22, Amelie_18, Amgine_20, Amohnition_21, Anaya_23, Angel_17, Angelica_22, Anma_22, Annihilator_17, Antsirabe_17, Apocalypse_22, Applecrisp_20, Aroostook_17, Asayake_22, Atiba_22, Avrafan_17, AzulaCat_17, BEEST_22, BGlluviae_22, BPs_17, BQuat_17, BaghaKamala_22, Barkley26_17, BarrelRoll_22, Beezoo_22, Bella96_22, Belladonna_22, Bern_22, Biglebops_18, Blizzard_22, Bobquesha_24, Boiiii_22, BruceB_17, Bryler_21, CLED96_17, CREW_22, Cain_21, CallaLilly_22, Camri_17, Capricorn_22, CaseJules_22, CassieYates_17, Cedasite_17, Chance64_17, Chancellor_23, Chavito_22, CheetoDust_22, Cheetobro_23, Cherrybomb426_17, Chris_21, Clipper_22, Cloudyecho_17, Coleslaw_17, Crespo_17, CrimD_22, Curiosium_23, DMoney_17, DNAIII_0017, Dalmuri_22, DanSyl44_24, Darionha_17, DartGoblin_22, DarthP_21, Dartin_22, Deby_22, Devera_22, DingDing_17, Dole_22, DrHayes_22, Durfee_22, ECartman_17, Efra2_22, Ekdilam_19, Ellie_19, Emerson_22, Enkosi_18, Eponine_23, Fefferhead_21, Fionnbharth_23, Frosty24_17, Ganymede_23, Geraldini_22, Gideon_17, GodSpeed_18, GoldenAsh_17, Gomashi_17, Grizzly_17, Guanica15_22, Halo_17, Hammy_21, HedwigODU_22, Homura_22, Hope_17, Hotshotbaby7_17, Hurricane_21, Hyperbowlee_22, Illumine_22, Inky_22, JAWS_22, JF1_23, Jane_17, Jarvi_22, Jayhawk_22, Jeckyll_22, Jeilious_17, Jolene_17, Jolie2_17, Jonghyun_17, JorRay_17, Joy99_22, Juliette_23, Kareem_17, Kasen3_17, Keshu_21, KiSi_21, Kraw_23, Krueger_21, LastHope_22, LaterM_22, Lavahound_20, LeMond_21, Lea83_21, Lebo14_23, Lemuria_17, Liefie_17, LilPharaoh_18, LindNT_22, Llorens_22, LouisV14_17, Lunahalos_22, MOOREtheMARYer_17, MacKat_22, MacnCheese_22, Maliketh_17, Malthus_24, MarkPhew_22, Marmie_17, Marshawn_23, McMater_22, Mdavu_18, MeaningOfLife_22, Megsy_22, Mercurio_18, MissDaisy_23, Mitti_23, Mowgli_17, Murucutumbu_22, Mynx_22, Neoh_17, Nibb_21, Nikao_18, Niklas_22, November_20, Nutello_18, OctaviousRex_17, Olga_17, OmniCritical_23, Oscar_21, Padfoot_22, Padpat_22, Paito_17, Patt_23, Peanam_22, Peeb_17, Peel_22, Periodt_17, Pharb_21, PhelpsODU_21, Phish_17, Phloodle_17, Phrank_21, Phreak_17, Piatt_22, PinkYoshi_17, Pinnie_18, Pisa1_21, Pisa4_21, Pixie_21, Plagueis_17, Pokerus_21, Prithvi_22, QuincyRose_21, Rabbs_17, Ramen_22,

Rapunzel97_22, Rattrick_17, Remy19_17, Renaissance_17, Reptar3000_23, Richarlison_17, Richo_22, Rosmarinus_22, Ruriko_17, Ruthiejr_22, SamScheppers_21, SamuelLPlaqson_22, Scarlett_21, Schiebel_17, SgtBeansprout_18, ShaboiShabazz_17, Shadow1_20, Shaobing_22, ShedlockHolmes_21, ShiaSurprise_22, SirPhilip_21, Sizemore_17, Slarp_23, Slimphazie_22, Sneeze_17, Spock_22, Stargaze_17, Stinson_22, Sulley_22, Sunflower1121_20, Sweets_17, Syra333_21, TBond007_21, TClif_21, Tachez_22, Taheera_17, TaiwanKao_23, Taquito_21, Teejan_18, Terror_17, Tierra_21, Tigress9_22, TinaBug_17, TingHuaYa_22, TiniBug_22, Tiri_22, TomBrady_17, Topper_22, Torres_18, TreyKay_22, TribleTrouble_20, Trice_18, TruffulaTree_22, Twitch_22, Unicorn_21, Urkel_22, Validus_22, Veliki_22, Wendigo_17, Wintermute_23, Ximenita_22, Y10_23, Y2_23, YangYin_17, YasnayaPolyana_23, YoureAdopted_21, Yuna_22, Yunkel11_22, Zabiza_22, Zavala_22, ZoMa_17, Zombie_17,

Genes that have the "Most Annotated" start but do not call it:
• FlagStaff_17, Pace1224_17, Qhanda_24,

Genes that do not have the "Most Annotated" start:
• 20ES_27, 32HC_25, 40AC_30, 8UZL_20, AN3_27, AN9_30, ANI8_30, APunk_35, Abblin_34, AbbyPaige_29, Abscondus_46, Acolyte_27, Acquire49_17, Adora_19, Adzzy_28, Aegeus_17, Affeca_32, Agape74_29, Agent47_20, AgentM_23, Agueybana_18, Ailee_32, Airmid_23, Alatin_22, Aleemily_18, Ali17_30, Aliter_28, AlleyCat_20, Alma_28, Alpacados_21, AlumE_18, Aminay_20, Amochick_21, Amymech_21, Anaysia_29, Aneem_27, Angelicage_32, Angelique_19, AngryOrchard_21, AnnaL29_30, Annalisa_19, Anon_27, Anselm_27, Anthony_26, Antonio_18, Aphelion_47, Apiary_44, AppleCloud_20, Applejacks_17, Appletree2_17, Aragog_23, ArcherNM_29, Archetta_23, ArchiDore_18, Archie_17, Archimedes_15, Archis_19, Arianna_18, Arissanae_26, Arri_33, Artemis2UCLA_30, Arti_40, Ashertheman_34, Astro_23, Attis_16, AuntGwenStacy_23, Auspice_27, AvadaKedavra_17, Avocado_17, Ayanochan_29, Ayotoya_21, Aziz_31, Azula_20, BABullseye_30, BabyBack_29, BabyMoney_20, Bachita_49, Bachome_27, Bactobuster_28, Baddon_33, Baehexic_28, Bakery_31, BananenDer11_20, Bantam_29, Baoshan_16, Barb_32, Barco_18, Barsten_34, BatStarr_18, Battleship_30, Baudelaire_17, Baumdotcom_33, BaxterFox_17, Bazzle_17, BearBQ_18, BeeGee_19, Beelzebub_53, Beemo_28, Beenie_19, Begonia_19, Belenaria_22, Bellis_18, Bellris_25, Belphegor_32, Benedict_23, BengiVuitton_28, BennyP_30, Benvolio_27, Bernal13_18, BetterKatz_21, BiPauneto_43, Bialota_18, BiancaTri92_29, Bibwit_33, BigCheese_17, BigHunkinEater_36, Bipper_23, Birdsong_18, Bizzy_34, Bjanes7_16, Blackbeetle_49, BlessJoy_30, BlingBling_18, Blinn1_30, Blino_18, BloominB_21, Blue7_30, BlueNGold_99, Blueberry_20, Bluefalcon_22, BobBob_31, BobSwaget_30, BobbyDazzler_22, BobsGarage_17, Bock_21, BogosyJay_28, Boilgate_19, Bonamassa_23, Bonanza_22, Bongo_27, Bonum_43, Boohoo_29, Boopy_100, BoostSeason_18, Bosnia_18, BourbonZero_17, Bowtie_27, BoyNamedSue_18, Bradissa_19, Bradman_26, Bradshaw_22, BrainDrainer_18, Brandonk123_35, Braxoaddie_44, Breezona_17, Bricole_27, BritBrat_19, Bromden_18, BrutonGaster_35, Bryce_22, Brylie_21, Bud_27, Buggaboo_41, Bugsy_29, Bunnybear_17, C3PO_30, C3_25, CRB1_27, Cafasso_18, Caitlin_22, Calm_17, Cambiare_18, Candra_30, Caprice_46, CaptainKirk2_18, Caraxes_26, Cardigan_46, CarolAnn_18, Cashline_19, Catalina_28, Celestialunch_27, Centaur_29, ChadMasterC_34, Chadwick_24, Changeling_29, Chargerpower_27, Charm_27, Charming_34, Chartreuse_30, Chaser_17, Che12_29, CheeseSpider_21, CherryCola_34, ChewyVIII_55, Chickadee_31, ChipMunk_29,

Chop_21, ChutneyChips_16, CicholasNage_17, ClamChowder_32, Clap_16, Clark_19, Clarkson_50, Claus_17, Clautastrophe_18, CloudWang3_30, Clown_34, ClubL_47, CoffeeBean_44, CogOmlette_25, Colin_31, Collard_20, Colleen_18, Colossa_19, Commandaria_42, Confidence_19, Conquerage_28, Conspiracy_23, Coog_23, Cookiedough_30, Corazon_47, CosmicSans_22, CoveyB_32, Cracklewink_23, Crossroads_17, Crucio_27, Cruella_30, Cuco_23, Cucurbita_49, Culver_47, Cynthia_16, D29_27, D32_30, DBQu4n_30, DHan_17, DaVinci_30, Dadosky_20, Daegal_22, Dalilpop_45, Dalmatian_27, DanBing_16, Danforth_22, Danyall_32, Daredevil_28, Darrell_29, DarthPhader_28, Darwin_33, DatBoi_30, DeepSoil15_21, DeerParkTS_28, DekHockey33_29, DelRio_22, Delian_18, Deloris_28, Delrey21_33, DelvinSonDorr_29, Denise_16, Derg_29, Dewey_21, Dexdert_32, Dignity_29, Diminimus_28, Dinger_22, DirkDirk_17, Discoknowium_23, DismalFunk_18, DismalStressor_18, Dixon_23, DobbysSock_18, DoctorFroggo_33, Dogfish_20, Dolores_19, DonkeyMan_17, Dorito_18, Dorothea_30, DoubleChamp_20, Douge_17, Doughnut_18, Douzhi_17, DrSeegs_17, Drake55_29, DreamTeam1_27, Dublin_22, DudeLittle_27, Dulcita_28, DumpsterDude_18, DuncansLeg_18, Duplo_30, Dusty_46, DyoEdafos_18, EMoore_30, EMsquaredA_19, EZMoney23_31, EagleEye_29, Easley_19, Ebert_16, Ebony_27, Echild_27, Ecliptus_23, EdmundFerry_30, EdnaMode_16, EdogawaKiddo_26, Edugator_19, Egi03_30, Eidsmoe_28, Ein37_21, ElTiger69_23, Elephantoon_28, Elle_27, Ellson_18, EmiRose_16, Emianna_40, EmyBug_28, EnalisNailo_19, Enceladus_17, Engineer_48, Ennea_46, Epsocamisio_29, Equemioh13_29, EricB_30, Erik_22, Espica_22, Estes_32, Et2Brutus_26, Eudoria_18, Evamon_30, Evanesce_21, Eviarto_18, EvilGenius_29, Ewald_21, Expelliarmus_22, ExplosioNervosa_28, Eyre_16, FF47_20, Fairfaxidum_18, Faith1_17, Faith5x5_16, Faiyaz_23, Fameo_27, Farewell_15, FarmResident_17, FatCactus_25, Fayely_28, FeliMaine_51, Fenry_17, Feyre_20, Fibonacci_27, Findley_18, Finemlucis_17, Finkle_18, Finnry_18, Fireball_31, FiringLine_27, First_0027, Fitzgerald_32, Flapper_44, Flare16_27, Flatwoods_34, Flaverint_27, Float294_42, Floral_19, Florence1_23, Florence4_24, ForGetIt_23, ForesterFrank_28, Forge_21, Forza_100, Fosterous_32, Foxboro_41, Francois_21, FreakyGoo_28, Frizzle_15, FroggyToad_16, Frokostdame_18, FuegoCuervo_36, Fugax_32, Fury_49, GAL1_19, GMA1_18, GMA2_29, GRU1_30, GTE5_31, GTE6_31, GTE8_29, Gabriela_17, Gaea_33, Gaia_13, Gail_26, Galadriel_34, Gambino_20, Gancho_20, Garak_31, Gardann_17, GardenSalsa_31, Gattaca_48, GaugeLDP_29, Geeche_46, GemG_16, GenevaB15_31, Gengar_20, Geodirt_31, George_22, Georgie2_28, Gezellig_30, Ghobes_15, Ghoulboy_23, Gilberta_27, Giles_21, Gizermo_16, Gladiator_30, Glaske16_28, GodonK_88, Gollum_22, GoongGoong_48, GrandSlam_21, Gratitude_28, Gravaillia_21, GreedyLawyer_30, GrootJr_42, Groundhog_22, Gruunaga_30, Guacamole_18, Gudmit_17, Guillsminger_20, Gustav_17, Gustavo_33, GuuelaD_17, GuyFagieri_44, HH92_21, Hadrien_21, Hafay_17, Hail_21, Halena_17, Haley23_16, Halo3_31, Hammer_30, Hamood_21, Hanray_27, Hans_34, Harlequin_22, HarryHoudini_29, Heffalump_29, Heftyboy_20, Heinz_18, Helmet_30, Herbertwm_24, Herod_18, Hexamo_30, Hibiscus_17, Hilltopfarm_23, HippoHollow_28, Hiro_22, Hitter_18, Holex_27, HomeFry_46, Hoot_30, Hortense_19, HortumSL17_28, Howe_19, HubbaBubba_38, Hugley_18, HuhtaEnerson15_23, Huphlepuff_51, Hutc2_27, Hyzer_18, IDyn_41, IPhane7_27, Ibrahim_18, IdentityCrisis_16, Indra_30, Insomnia_27, Inspectinfecti_33, Invectra_19, InvictusManeo_20, IronMan_29, Isiphiwo_30, Itos_17, Iwokeuplikedis_28, Izel_28, JCole_16, JKSyngboy_31, JSwag_29, Jaan_30, Jabberwocky_32, Jabiru_23, Jabith_27, Jablanski_19, Jace_16, JacoRen57_16, Jalammah_20, Jalleen_17, Jambalaya_30, JasperJr_18, Jeeves_26, Jeffabunny_30, Jerm_29, Jester_22, JewelBug_30, Jiawan_27, Jifall16_39, Jobypre_18, JoeDirt_17, JoieB_50, Jojo24_17, JonJames_46, Jordennis_30,

Joselito_27, JoshKayV_29, Journey13_25, Jovo_23, Jsquared_26, JuJu_18, Jubie_18, JustASigh_17, Kabluna_43, Kahlid_17, Kalpine_30, Kamashten_33, KappaFarmDelta_18, KatherineG_29, Kazan_30, Keitabear_34, Kerberos_30, Kewpiedoll_33, Keziacharles14_26, KidneyBean_40, Kimba_27, Kimchi1738_30, KimmyK_32, Kinbote_21, KingCyrus_29, Kingsolomon_18, Kinmap_27, Kipper29_30, KirDoubleO7_16, Kita_18, KleverKiS_27, Klodlith_27, Koduck_27, Koko_30, Kratio_19, Krishelle_22, Kroos_34, Kropertea_17, Krypton555_18, Kudefre_26, Kumao_27, Kurt_40, Kuwabara_18, Kwekel_31, Kwobi_35, L5_27, LadyBird_27, Lamberg_16, Landor_28, Larenn_28, Larva_20, LastResort_29, LeBron_17, Lennon_34, Leogania_29, Leonard_32, Leston_20, Lev2_23, Leviathan_29, Lewan_17, LilDestine_17, LilDirt_19, LilHam_31, LilHazelnut_21, LilJank_27, LilTurb_29, Lilas_19, Lilbeanie_29, Lilbit_48, Lilbunny_30, LilhomieP_26, Lilleskat_26, Lillie_22, LionsBait_28, LittleCherry_23, LittleLaf_49, LiyuLake_18, Loadrie_17, Lokk_30, Lollipop1437_45, Lolly9_18, LoneWolf_28, LonelyBoi_19, LongHai_21, Looper_30, LordFarquaad_16, Loser_30, Love_37, Lozinak_47, Lton_16, Luchador_28, Lucivia_27, Lucky10_17, Lucyedi_28, Luke_21, Lumos_18, Luna22_21, Lynnae_17, Lysidious_19, MAckerman_17, MaCh_27, Mabel_27, MacGully_49, Maco6_18, Madavieve_18, Madeline_18, Mahdia_17, MajorMajor_26, MakCheese_19, Malachai_19, MalagasyRose_23, Malec_28, Malibo_19, Maminiaina_28, Manasvini_18, Manilisa_22, Marcoliusprime_18, Mareelih_98, Maridalia_17, Marietta_42, Marteena_19, Marvin_47, MarysWell_22, Maselop_44, Matteo_16, Mbo4_16, McCrothy_34, McFly_30, McKinley_36, Mcklovin_19, MegTheThird_26, MelBins_33, Melba_18, Mellie_17, Mendokysei_17, MerCougar_41, Meyran_20, Micasa_23, MichaelScott_19, MiculUcigas_27, MicyPS_16, Midas2_23, Miko_30, Milcery_23, Miley16_17, Milly_18, MinecraftSteve_30, MiniLon_18, MiniMac_18, Minispark_25, MintFen_18, Miryou_20, Miskis_45, MissRona_20, MissWhite_27, MkaliMitinis3_17, Mocha12_16, ModicumRichard_18, Mollymur_30, MoontowerMania_33, Moosehead_16, Moostard_18, Morgana_18, Morkie_17, Morrissey_18, MortyNRick_18, MosMoris_47, MrMagoo_31, MsGreen_18, Muddy_20, Mufasa_18, Mulch_21, Mulciber_27, Munch_27, Murp_18, Mutzi_32, Myxus_28, NaSiaTalie_27, Naca_23, Nadeem_21, NadineRae_40, Naiad_22, Nairb_18, Naji_30, Nancinator_22, NancyRae_21, Nanosmite_31, NatB6_40, Natkenzie_34, Natosaleda_22, NearlyHeadless_23, Nebkiss_14, Nebulosus_29, Nedarya_28, Neeharika16_30, Neighly_20, Neobush_18, Nergal_21, Nette_18, Nettuno_16, Netyap_17, Neville_27, Newrala_30, Nicholas_18, Nicholasp3_17, NicoleTera_31, NoShow_17, Nordenberg_28, Norvs_48, NosilaM_43, NothingSpecial_29, NovoPizza_19, NovumRegina_40, Nubi_30, Nyceirae_22, Nymphadora_18, OBUpride_21, ODay_23, ObLaDi_18, Obliviate_17, Octobien14_27, Odin_26, OhShagHennessy_17, Ohgeesy_18, OkiRoe_20, Omnicron_20, OneDirection_16, OneUp_41, Onglai_27, Oofda_29, Orange_27, Oregano_19, Outis_41, OverPar_17, P1201_46, P3MA_17, PCoral7_18, PP_36, PSonyx_16, PYPDinur_17, PackMan_28, PainterBoy_28, PantheRoc_18, Paola_20, Parada_21, Paries_36, Partridge_22, Patio_43, PegLeg_27, Pemberton_44, Pepperoni_16, Petersenfast_26, PeteyPab_32, Petra_20, PetterN_24, Ph8s_28, Phaded_30, Phaeder_28, PhailMary_21, Pharaoh_27, Phauci_25, Phendrix_86, Phillis_23, Phinally_32, PhinkBoden_47, Phishy_21, Phlei_22, Phlop_30, Phlorence_23, Phomeo_39, Phonnegut_28, PhorbesPhlower_17, Phrankenstein_22, PhriskyACE_18, PhrostedPhlake_19, Pickett_16, PickleBack_23, Pimento_22, PinkCoffee_32, Pioneer_28, Pipp_18, Piro94_28, Pleakley_49, Pmask_30, Poise_49, Pollux_19, Polly_18, Polyphemus_30, Polyyuki_44, Pomar16_30, Poochiewood_17, Portcullis_30, Posh_19, PotatoChip_33, Poushou_18, Power_27, Powerball_18, Priamo_30, Prinashe11_24, PrincePatrick_18, Pringar_49, Priya_28, Prudy_29, Psycho_20, Pukovnik_29,

PullumCavea_30, Pumpkiney_35, Puppers_17, Pytheas_19, Qobbit_28, Quby_17, QueenB2_27, QueenBeesly_27, Quokka_25, REQ2_19, REQ3_49, RER2_15, RGL3_15, Rabbitrun_29, Rachaly_30, Raela_49, Rahalelujah_26, Rando14_20, Rasputin_22, Ravana_30, RavenCo17_16, ReMo_29, Red305_18, RedRaider77_49, RedRaider_47, RedRock_30, Refuge_30, Reindeer_25, Rem711_24, Remus_29, Retro23_27, RexFury_22, Rey_31, Reyja_18, Rhodalysa_22, Ribeye_34, Rifter_30, RiverRaider_34, RoadKill_29, Roary_23, Rofo_34, RogerDodger_33, Roksolana_30, RonRayGun_18, Rosalind_29, Rose5_17, RoseMarie_27, Rossetti_17, Rumpelstiltskin_17, Ruthy_18, RyeScarlet_29, Sachima_26, Sahara_16, Saintus_23, Salvador_30, Salvus_21, Salz_27, Samba_18, Samman98_19, Sampson_34, Samty_18, Sanjuju_32, Santhid_17, Sapo_15, Saronaya_33, Sarshaun_17, Saskia_26, Savage_16, Savbucketdawg_30, Scherzo_28, SchottB_32, Scioto_34, Scorpia_24, Scuba_49, Sedona_34, Sekhmet_19, SemperFi_29, Sephiroth_27, Serenity_26, Sham4_27, ShayRa_30, SheaKeira_27, Sheng711_17, Shinji_30, Shivanishola_35, Shlim410_19, Shuman_22, Sidious_18, Silverleaf_17, Sitar_34, Sixama_98, Skinny_28, Sknot_27, Skysand_42, Sleepyhead_17, SlimJimmy_26, Smeadley_23, Smeagan_29, SmellyB_30, SmokingBunny_30, Smoothie_48, SnapTap_27, Snape_27, Snenia_18, SoJulia_17, SoSeph_20, Soap141_17, SoilAssassin_16, SororFago_26, Soups_29, Sparky_15, SpeedDemon_310, Spouty_28, Sprinklemunch_17, Sproutie_16, StCroix_22, StarStruck_41, StarStuff_30, Steamy_28, Stellammi_15, Stephig9_23, Stickynote_32, StorminNorm_33, Strobilo_18, Strosahl_29, Stultus_32, Suerte_17, Sukkupi_42, Sunhee_25, SuperAwesome_30, SuperCallie99_30, SuperSulley_41, Superchunk_26, Suscepit_18, Swann_22, SweetiePie_27, SwirlSquare_29, Swirley_23, Switzerland_29, SydNat_23, Syleon_27, TM4_18, TPA4_18, TWAMP_22, Tailonex_23, Takoda_22, Tangent_34, Tangerine_33, Tardus_35, TarsusIV_27, Tarynearal_22, Tarzan_17, Tayonia_18, Temprado_30, Terrific_31, Tesla_48, ThankyouJordi_17, Theia_21, Thimann_19, Thing3_33, Thyatira_20, Tiamoceli_32, Tiger_23, TillyBobJoe_30, TimTam_18, Timothy_27, TinyDot_18, TinyTimmy_27, TipsytheTRex_26, Toaka_26, Toast_18, Togo_30, Tomathan_30, ToneTone_28, Toniann_47, TouchMeNot_18, Tourach_17, Towmatter_27, TpudiCK_28, Tracker_40, Travvers_30, Trax_27, TriFive_18, Trine_17, Tristan_28, Trixie_30, Trooper_27, Trumpet_18, Tubs_28, Tucker_30, TuertoX_16, Turbido_29, Turuncu_44, Tuti_23, Twigg_23, Twinkle_19, Twister6_32, Twonlo_29, TyDawg_27, Tycho_33, Typha_23, Tyson_17, UPIE_17, Ubuntu_21, Ugenie5_25, UhSalsa_22, UmaThurman_18, Underpass_17, UnionJack_23, Updawg_29, Upyo_17, Utz_18, VA6_27, VC3_30, Valary_33, VanDeWege_33, VanLee_19, Vanisoa_26, Vasanti_16, VasuNzinga_49, Verity_33, Vetrix_17, ViaConlectus_34, Vivi2_36, ViviJ_19, VohminGhazi_30, Vordorf_21, WST1_16, Waits_29, Walrus_19, Wamburgrxpress_17, Warrior24_29, Waterfoul_20, Webster2_21, WeiHuaDA_33, Weirdo19_18, WelcomeAyanna_17, Whabigail7_29, Whack_17, WheatThin_21, Wheezy_40, Whirlwind_19, Whiteclaw_16, Whitty_18, WhoseManz_42, WideWale_29, Widow_17, Wigglewiggle_17, Wiks_30, Wilder_17, WilliamBoone_47, William_18, WinkNick_19, Winky_17, Wishmaker_21, Wisp_17, Wizard_30, Wocket_19, Wolpertinger_26, WorldCup_25, Wrigley_19, WunderPhul_30, Wyatt2_17, XianYue_27, Yecey3_27, Yeet412_16, Yeezy_19, Yndexa_42, Yogi_22, Yokurt_30, Yoncess_22, YorkOnyx_34, YungMoney_32, Yvonnetastic_44, Zaka_30, Zakai_17, Zameen_18, Zarbodnamra_18, Zaria_17, ZenTime222_18, ZhongYanYuan_16, ZiggyZoo_17, Zilla_18, Zimmer_29, Zion_33, Zipp_33, Zirinka_18, Zitch_35, Zodiariah_17, ZoeJ_18, Zolita_22, Zulu_30,

Summary by start number:

Start 18:
• Found in 4 of 1367 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 50.0% of time when present
• Phage (with cluster) where this start called: FlagStaff_17 (G2), Pace1224_17 (G2),

Start 22:
• Found in 1 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boilgate_19 (K8),

Start 23:
• Found in 1 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_20 (K7),

Start 24:
• Found in 264 of 1367 (19.3%) of genes in pham
• Manual Annotations of this start: 231 of 1182
• Called 98.9% of time when present
• Phage (with cluster) where this start called: ActinUp_22 (K1), Adephagia_22 (K1), Adonis_22 (K1), Ageofdapage_22 (K1), AizenPogi_17 (G1), AlishaPH_22 (K1), Amelie_18 (K1), Amgine_20 (K6), Amohnition_21 (K6), Anaya_23 (K1), Angel_17 (G1), Angelica_22 (K1), Anma_22 (K1), Annihilator_17 (G1), Antsirabe_17 (G5), Apocalypse_22 (K1), Applecrisp_20 (K6), Aroostook_17 (G1), Asayake_22 (K1), Atiba_22 (K1), Avrafan_17 (G1), AzulaCat_17 (G1), BEEST_22 (K1), BGlluviae_22 (K1), BPs_17 (G1), BQuat_17 (G1), BaghaKamala_22 (K1), Barkley26_17 (G1), BarrelRoll_22 (K1), Beezoo_22 (K1), Bella96_22 (K1), Belladonna_22 (K1), Bern_22 (K1), Biglebops_18 (K1), Blizzard_22 (K1), Bobquesha_24 (K4), Boiiii_22 (K1), BruceB_17 (G1), Bryler_21 (K6), CLED96_17 (G1), CREW_22 (K1), Cain_21 (K6), CallaLilly_22 (K1), Camri_17 (G1), Capricorn_22 (K1), CaseJules_22 (K1), CassieYates_17 (G1), Cedasite_17 (G1), Chance64_17 (G1), Chancellor_23 (K4), Chavito_22 (K1), CheetoDust_22 (K1), Cheetobro_23 (K4), Cherrybomb426_17 (G1), Chris_21 (K1), Clipper_22 (K1), Cloudyecho_17 (G3), Coleslaw_17 (G1), Crespo_17 (G1), CrimD_22 (K1), Curiosium_23 (K1), DMoney_17 (G1), DNAIII_0017 (G1), Dalmuri_22 (K1), DanSyl44_24 (K4), Darionha_17 (G1), DartGoblin_22 (K1), DarthP_21 (K6), Dartin_22 (K1), Deby_22 (K1), Devera_22 (K1), DingDing_17 (G1), Dole_22 (K1), DrHayes_22 (K1), Durfee_22 (K1), ECartman_17 (G1), Efra2_22 (K1), Ekdilam_19 (K6), Ellie_19 (K6), Emerson_22 (K1), Enkosi_18 (K1), Eponine_23 (K4), Fefferhead_21 (K6), Fionnbharth_23 (K4), Frosty24_17 (G1), Ganymede_23 (K1), Geraldini_22 (K1), Gideon_17 (G1), GodSpeed_18 (G2), GoldenAsh_17 (G1), Gomashi_17 (G1), Grizzly_17 (G1), Guanica15_22 (K1), Halo_17 (G1), Hammy_21 (K6), HedwigODU_22 (K1), Homura_22 (K1), Hope_17 (G1), Hotshotbaby7_17 (G1), Hurricane_21 (K3), Hyperbowlee_22 (K1), Illumine_22 (K1), Inky_22 (K1), JAWS_22 (K1), JF1_23 (K4), Jane_17 (G1), Jarvi_22 (K1), Jayhawk_22 (K1), Jeckyll_22 (K1), Jeilious_17 (G), Jolene_17 (G1), Jolie2_17 (G4), Jonghyun_17 (G1), JorRay_17 (G1), Joy99_22 (K1), Juliette_23 (K4), Kareem_17 (G1), Kasen3_17 (G1), Keshu_21 (K3), KiSi_21 (K1), Kraw_23 (K4), Krueger_21 (K6), LastHope_22 (K1), LaterM_22 (K1), Lavahound_20 (K6), LeMond_21 (K1), Lea83_21 (K3), Lebo14_23 (K4), Lemuria_17 (G4), Liefie_17 (G1), LilPharaoh_18 (K1), LindNT_22 (K1), Llorens_22 (K1), LouisV14_17 (G1), Lunahalos_22 (K1), MOOREtheMARYer_17 (G3), MacKat_22

(K1), MacnCheese_22 (K3), Maliketh_17 (G1), Malthus_24 (K4), MarkPhew_22 (K1), Marmie_17 (G1), Marshawn_23 (K6), McMater_22 (K1), Mdavu_18 (K1), MeaningOfLife_22 (K1), Megsy_22 (K1), Mercurio_18 (G4), MissDaisy_23 (K4), Mitti_23 (K4), Mowgli_17 (G1), Murucutumbu_22 (K1), Mynx_22 (K1), Neoh_17 (G), Nibb_21 (K1), Nikao_18 (K1), Niklas_22 (K1), November_20 (K6), Nutello_18 (K1), OctaviousRex_17 (G1), Olga_17 (G1), OmniCritical_23 (K4), Oscar_21 (K1), Padfoot_22 (K1), Padpat_22 (K1), Paito_17 (G1), Patt_23 (K4), Peanam_22 (K1), Peeb_17 (G1), Peel_22 (K1), Periodt_17 (G1), Pharb_21 (K3), PhelpsODU_21 (K6), Phish_17 (G1), Phloodle_17 (G1), Phrank_21 (K6), Phreak_17 (G1), Piatt_22 (K1), PinkYoshi_17 (G1), Pinnie_18 (G3), Pisa1_21 (K1), Pisa4_21 (K1), Pixie_21 (K3), Plagueis_17 (G1), Pokerus_21 (K1), Prithvi_22 (K1), QuincyRose_21 (K1), Rabbs_17 (G1), Ramen_22 (K1), Rapunzel97_22 (K1), Rattrick_17 (G1), Remy19_17 (G1), Renaissance_17 (G1), Reptar3000_23 (K4), Richarlison_17 (G1), Richo_22 (K1), Rosmarinus_22 (K1), Ruriko_17 (G1), Ruthiejr_22 (K4), SamScheppers_21 (K4), SamuelLPlaqson_22 (K1), Scarlett_21 (K1), Schiebel_17 (G1), SgtBeansprout_18 (K1), ShaboiShabazz_17 (G1), Shadow1_20 (K6), Shaobing_22 (K1), ShedlockHolmes_21 (K3), ShiaSurprise_22 (K1), SirPhilip_21 (K6), Sizemore_17 (G1), Slarp_23 (K4), Slimphazie_22 (K1), Sneeze_17 (G1), Spock_22 (K1), Stargaze_17 (G5), Stinson_22 (K1), Sulley_22 (K1), Sunflower1121_20 (K6), Sweets_17 (G1), Syra333_21 (K6), TBond007_21 (K3), TClif_21 (K6), Tachez_22 (K1), Taheera_17 (G1), TaiwanKao_23 (K1), Taquito_21 (K4), Teejan_18 (K1), Terror_17 (G1), Tierra_21 (K6), Tigress9_22 (K6), TinaBug_17 (G1), TingHuaYa_22 (K1), TiniBug_22 (K1), Tiri_22 (K1), TomBrady_17 (G1), Topper_22 (K1), Torres_18 (K1), TreyKay_22 (K1), TribleTrouble_20 (K3), Trice_18 (K1), TruffulaTree_22 (K1), Twitch_22 (K1), Unicorn_21 (K6), Urkel_22 (K1), Validus_22 (K1), Veliki_22 (K1), Wendigo_17 (G1), Wintermute_23 (K4), Ximenita_22 (K6), Y10_23 (K4), Y2_23 (K4), YangYin_17 (G5), YasnayaPolyana_23 (K4), YoureAdopted_21 (K1), Yuna_22 (K6), Yunkel11_22 (K1), Zabiza_22 (K1), Zavala_22 (K1), ZoMa_17 (G1), Zombie_17 (G1),

Start 25:
• Found in 2 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 2 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Avocado_17 (G2), Cambiare_18 (G2),

Start 26:
• Found in 11 of 1367 (0.8%) of genes in pham
• Manual Annotations of this start: 11 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_18 (K2), DismalFunk_18 (K2), DismalStressor_18 (K2), Doughnut_18 (K2), Findley_18 (K2), Marcoliusprime_18 (K2), Milly_18 (K2), Mufasa_18 (K2), Strobilo_18 (K2), TM4_18 (K2), ZoeJ_18 (K2),

Start 27:
• Found in 8 of 1367 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 8UZL_20 (AB), FF47_20 (AB), JacoRen57_16 (AB), LongHai_21 (AB), Maco6_18 (AB), Muddy_20 (AB), NoShow_17 (AB), Salvus_21 (AB),

Start 28:

• Found in 28 of 1367 (2.0%) of genes in pham
• Manual Annotations of this start: 23 of 1182
• Called 96.4% of time when present
• Phage (with cluster) where this start called: Agent47_20 (K5), AlleyCat_20 (K5), BananenDer11_20 (K5), Collard_20 (K5), Dadosky_20 (K5), DoubleChamp_20 (K5), Edugator_19 (K5), Feyre_20 (K5), Gengar_20 (K5), Guillsminger_20 (K5), Heftyboy_20 (K5), InvictusManeo_20 (K5), Kratio_19 (K5), Larva_20 (K5), Leston_20 (K5), LilDirt_19 (K5), Miryou_20 (K5), Neighly_20 (K3), OkiRoe_20 (K5), Omnicron_20 (K5), Paola_20 (K5), Psycho_20 (K5), Rando14_20 (K5), SoSeph_20 (K5), Thyatira_20 (K5), ViviJ_19 (K5), Waterfoul_20 (K5),

Start 29:
• Found in 35 of 1367 (2.6%) of genes in pham
• No Manual Annotations of this start.
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Qhanda_24 (K4),

Start 30:
• Found in 1 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nergal_21 (AG),

Start 34:
• Found in 2 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_16 (AJ), WST1_16 (AJ),

Start 35:
• Found in 2 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 2 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_13 (X), Nebkiss_14 (X),

Start 38:
• Found in 2 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: P3MA_17 (singleton), TPA4_18 (singleton),

Start 40:
• Found in 7 of 1367 (0.5%) of genes in pham
• Manual Annotations of this start: 6 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_23 (Y), Bipper_23 (Y), Cracklewink_23 (Y), Faiyaz_23 (Y), Hilltopfarm_23 (Y), MalagasyRose_23 (AG), Typha_23 (Y),

Start 43:
• Found in 1 of 1367 (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: Sprinklemunch_17 (DW),

Start 44:
• Found in 2 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JustASigh_17 (AH), Weirdo19_18 (AH),

Start 45:
• Found in 2 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 32HC_25 (Z), Rem711_24 (Z),

Start 49:
• Found in 28 of 1367 (2.0%) of genes in pham
• Manual Annotations of this start: 22 of 1182
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Amochick_21 (Q), Amymech_21 (Q), BloominB_21 (Q), Daegal_22 (Q), DeepSoil15_21 (Q), Dewey_21 (Q), Ein37_21 (Q), Evanesce_21 (Q), Forge_21 (Q), Gancho_20 (Q), Giles_21 (Q), Gravaillia_21 (Q), HH92_21 (Q), Hadrien_21 (Q), Hail_21 (Q), Kinbote_21 (Q), LilHazelnut_21 (Q), Luke_21 (Q), Luna22_21 (Q), NovoPizza_19 (Q), OBUpride_21 (Q), Ubuntu_21 (Q), Webster2_21 (Q), Wishmaker_21 (Q),

Start 50:
• Found in 4 of 1367 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Zodiariah_17 (DW),

Start 53:
• Found in 19 of 1367 (1.4%) of genes in pham
• Manual Annotations of this start: 18 of 1182
• Called 94.7% of time when present
• Phage (with cluster) where this start called: ArchiDore_18 (DW), Ayotoya_21 (DI), BetterKatz_21 (DI), Bock_21 (DI), Brylie_21 (DI), Chop_21 (DI), DelRio_22 (DI), DumpsterDude_18 (DW), Francois_21 (DI), GrandSlam_21 (DI), Hamood_21 (DI), Mulch_21 (DI), Nadeem_21 (DI), NancyRae_21 (DI), Parada_21 (DI), Pimento_22 (DI), Ruthy_18 (DW), WheatThin_21 (DI),

Start 54:
• Found in 3 of 1367 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 66.7% of time when present
• Phage (with cluster) where this start called: MakCheese_19 (DW), Sleepyhead_17 (singleton),

Start 61:
• Found in 7 of 1367 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 1182
• Called 42.9% of time when present

• Phage (with cluster) where this start called: Cardigan_46 (DD), JonJames_46 (DD), Yvonnetastic_44 (DD),

Start 62:
• Found in 3 of 1367 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1182
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Farewell_15 (AF), Sparky_15 (AF),

Start 63:
• Found in 18 of 1367 (1.3%) of genes in pham
• Manual Annotations of this start: 10 of 1182
• Called 55.6% of time when present
• Phage (with cluster) where this start called: Bantam_29 (DL), Culver_47 (CQ1), Daredevil_28 (DL), DatBoi_30 (DL), Mollymur_30 (DL), Norvs_48 (CQ1), Smoothie_48 (CQ1), SpeedDemon_310 (DL), Towmatter_27 (DL), WilliamBoone_47 (CQ1),

Start 64:
• Found in 1 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nyceirae_22 (DT),

Start 65:
• Found in 1 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OneUp_41 (CQ2),

Start 66:
• Found in 39 of 1367 (2.9%) of genes in pham
• Manual Annotations of this start: 10 of 1182
• Called 35.9% of time when present
• Phage (with cluster) where this start called: BabyMoney_20 (DT), Barco_18 (CV), CheeseSpider_21 (CV), Dogfish_20 (DT), Ewald_21 (DT), Guacamole_18 (CV), Lysidious_19 (CV), Manilisa_22 (DT), Melba_18 (CV), Meyran_20 (DT), Phishy_21 (DT), Pipp_18 (CV), Vordorf_21 (DT), Zarbodnamra_18 (CV),

Start 69:
• Found in 17 of 1367 (1.2%) of genes in pham
• Manual Annotations of this start: 12 of 1182
• Called 76.5% of time when present
• Phage (with cluster) where this start called: Abscondus_46 (CQ1), Aphelion_47 (CQ1), Bachita_49 (CQ1), BrutonGaster_35 (CQ2), ClubL_47 (CQ1), Cucurbita_49 (CQ1), Dusty_46 (CQ1), Engineer_48 (CQ1), Geeche_46 (CQ1), Lozinak_47 (CQ1), Miskis_45 (CQ1), PhinkBoden_47 (CQ1), Toniann_47 (CQ1),

Start 70:
• Found in 116 of 1367 (8.5%) of genes in pham
• Manual Annotations of this start: 13 of 1182
• Called 11.2% of time when present

• Phage (with cluster) where this start called: Azula_20 (CV), Blueberry_20 (CV), Fairfaxidum_18 (CV), Fenry_17 (CV), Gambino_20 (CV), Jalammah_20 (CV), JuJu_18 (CV), MissRona_20 (CV), PCoral7_18 (CV), PrincePatrick_18 (CV), Samba_18 (CV), Toast_18 (CV), William_18 (CV),

Start 71:
• Found in 55 of 1367 (4.0%) of genes in pham
• Manual Annotations of this start: 52 of 1182
• Called 98.2% of time when present
• Phage (with cluster) where this start called: Affeca_32 (DE1), Ailee_32 (DE1), Angelicage_32 (DE1), Ashertheman_34 (DE1), Baddon_33 (DE1), Barsten_34 (DE1), Baumdotcom_33 (DE1), Bibwit_33 (DE1), Bizzy_34 (DE1), BobBob_31 (DE1), Brandonk123_35 (DE1), ChadMasterC_34 (DE1), Charming_34 (DE1), Derg_29 (DE1), Fitzgerald_32 (DE1), Flatwoods_34 (DE1), Fosterous_32 (DE1), FuegoCuervo_36 (DE1), Gaea_33 (DE1), Galadriel_34 (DE1), Geodirt_31 (DE1), Gustavo_33 (DE1), JKSyngboy_31 (DE1), Jabberwocky_32 (DE1), Kamashten_33 (DE1), Keitabear_34 (DE1), Kewpiedoll_33 (DE1), Kroos_34 (DE1), Kwobi_35 (DE1), Lennon_34 (DE1), LilHam_31 (DE1), Love_37 (DE1), McCrothy_34 (DE1), McKinley_36 (DE1), MoontowerMania_33 (DE1), Nordenberg_28 (DE1), Paries_36 (DE1), Ribeye_34 (DE1), RiverRaider_34 (DE1), Rofo_34 (DE1), Sanjuju_32 (DE1), Saronaya_33 (DE1), SchottB_32 (DE1), Sedona_34 (DE1), Shivanishola_35 (DE1), Sitar_34 (DE1), StorminNorm_33 (DE1), Stultus_32 (DE1), Tangent_34 (DE1), Tangerine_33 (DE1), Thing3_33 (DE1), Tycho_33 (DE1), Vivi2_36 (DE1), YorkOnyx_34 (DE1),

Start 72:
• Found in 1 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sapo_15 (DA),

Start 73:
• Found in 39 of 1367 (2.9%) of genes in pham
• Manual Annotations of this start: 24 of 1182
• Called 61.5% of time when present
• Phage (with cluster) where this start called: Archis_19 (CV), Begonia_19 (CV), BlingBling_18 (CV), Blino_18 (CV), CaptainKirk2_18 (CV), CarolAnn_18 (CV), Delian_18 (CV), Frizzle_15 (DA), Ghobes_15 (DA), Hitter_18 (CV), JasperJr_18 (CV), KappaFarmDelta_18 (CV), Malachai_19 (CV), Mellie_17 (CV), MintFen_18 (CV), Murp_18 (CV), Obliviate_17 (CV), Petra_20 (CV), PhrostedPhlake_19 (CV), UmaThurman_18 (CV), Utz_18 (CV), Walrus_19 (CV), Wocket_19 (CV), ZiggyZoo_17 (CV),

Start 74:
• Found in 24 of 1367 (1.8%) of genes in pham
• Manual Annotations of this start: 10 of 1182
• Called 41.7% of time when present
• Phage (with cluster) where this start called: Acquire49_17 (L1), Appletree2_17 (L1), Calm_17 (L1), CicholasNage_17 (L1), JoeDirt_17 (L1), LeBron_17 (L1), Rabbitrun_29 (DU2), UPIE_17 (L1), Wyatt2_17 (L1), Zaria_17 (L1),

Start 75:
• Found in 1 of 1367 (0.1%) of genes in pham

• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_15 (DA),

Start 76:
• Found in 6 of 1367 (0.4%) of genes in pham
• Manual Annotations of this start: 5 of 1182
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Colleen_18 (EO), Kumao_27 (singleton), Lilbeanie_29 (DE5), Poushou_18 (EO), TouchMeNot_18 (EO),

Start 77:
• Found in 36 of 1367 (2.6%) of genes in pham
• Manual Annotations of this start: 34 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arri_33 (DC1), Bakery_31 (DC1), Barb_32 (DC1), CherryCola_34 (DC1), ClamChowder_32 (DC1), Clown_34 (DC2), CoveyB_32 (DC1), Danyall_32 (DC1), Egi03_30 (DC1), Evamon_30 (DC1), Fireball_31 (DC1), Fugax_32 (DC1), Gezellig_30 (DC1), GodonK_88 (DK), Halo3_31 (DC1), Jambalaya_30 (DC1), KimmyK_32 (DC1), Mutzi_32 (DC1), Nubi_30 (DC1), Phendrix_86 (DK), Phlop_30 (DC1), PinkCoffee_32 (DC1), Portcullis_30 (DC1), PullumCavea_30 (DC1), RogerDodger_33 (DC1), Salvador_30 (DC1), Savbucketdawg_30 (DC1), Shinji_30 (DC1), SmokingBunny_30 (DC1), TillyBobJoe_30 (DC1), Togo_30 (DC1), Twister6_32 (DC1), Valary_33 (DC1), VanDeWege_33 (DC1), Wizard_30 (DC1), YungMoney_32 (DC1),

Start 78:
• Found in 12 of 1367 (0.9%) of genes in pham
• Manual Annotations of this start: 8 of 1182
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Arianna_18 (EO), Bernal13_18 (T), Ibrahim_18 (T), Mendokysei_17 (T), Nairb_18 (T), Nette_18 (T), RonRayGun_18 (T), Whitty_18 (T), ZenTime222_18 (T),

Start 79:
• Found in 1 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Reindeer_25 (M1),

Start 81:
• Found in 2 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 2 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MicyPS_16 (EQ), PSonyx_16 (EQ),

Start 82:
• Found in 26 of 1367 (1.9%) of genes in pham
• Manual Annotations of this start: 21 of 1182
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Auspice_27 (M1), Aziz_31 (M2), Bongo_27 (M1), Bricole_27 (M1), Diminimus_28 (M1), Dulcita_28 (M1), Estes_32 (M2), FreakyGoo_28 (M1), GardenSalsa_31 (M2), GenevaB15_31 (M2),

Glaske16_28 (M1), IPhane7_27 (M1), Izel_28 (M1), KleverKiS_27 (M1), LilhomieP_26 (M1), MrMagoo_31 (M2), Nanosmite_31 (M3), PegLeg_27 (M1), Rey_31 (M2), RoseMarie_27 (M1), Skinny_28 (M1), SlimJimmy_26 (M1), TpudiCK_28 (M1), TyDawg_27 (M1),

Start 83:
• Found in 7 of 1367 (0.5%) of genes in pham
• Manual Annotations of this start: 5 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_18 (DZ), Cafasso_18 (DZ), Colossa_19 (KA), ModicumRichard_18 (DZ), Morgana_18 (DZ), ObLaDi_18 (DZ), VanLee_19 (KA),

Start 84:
• Found in 47 of 1367 (3.4%) of genes in pham
• Manual Annotations of this start: 25 of 1182
• Called 68.1% of time when present
• Phage (with cluster) where this start called: APunk_35 (DE4), Abblin_34 (DE4), Ali17_30 (DE2), Belphegor_32 (DE2), BigHunkinEater_36 (DE4), Chickadee_31 (DE3), Delrey21_33 (DE4), Dexdert_32 (DE3), DoctorFroggo_33 (DE4), EMoore_30 (DE2), EdmundFerry_30 (DE3), GMA2_29 (DS), GTE6_31 (DE3), Hans_34 (DE2), Inspectinfecti_33 (DE2), Kwekel_31 (DE3), Leonard_32 (DE2), MelBins_33 (DE2), Natkenzie_34 (DE4), Phauci_25 (DE2), Phinally_32 (DE2), Pumpkiney_35 (DE4), RoadKill_29 (DE3), Sampson_34 (DE4), Scioto_34 (DE4), Tardus_35 (DE4), Tiamoceli_32 (DE3), Twonlo_29 (DE3), Verity_33 (DE4), ViaConlectus_34 (DE4), Zipp_33 (DE4), Zitch_35 (DE4),

Start 86:
• Found in 9 of 1367 (0.7%) of genes in pham
• Manual Annotations of this start: 6 of 1182
• Called 77.8% of time when present
• Phage (with cluster) where this start called: Kudefre_26 (DU1), LilJank_27 (DU2), Neville_27 (DU2), Octobien14_27 (DU1), Sephiroth_27 (DU1), Syleon_27 (DU1), Trax_27 (DU2),

Start 87:
• Found in 5 of 1367 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 40.0% of time when present
• Phage (with cluster) where this start called: PP_36 (A7), Sunhee_25 (A14),

Start 88:
• Found in 19 of 1367 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 15.8% of time when present
• Phage (with cluster) where this start called: Frokostdame_18 (CV), Wisp_17 (CV), Zilla_18 (CV),

Start 89:
• Found in 120 of 1367 (8.8%) of genes in pham
• Manual Annotations of this start: 84 of 1182
• Called 90.8% of time when present

• Phage (with cluster) where this start called: Aegeus_17 (L5), Archie_17 (L2), AvadaKedavra_17 (L1), Baoshan_16 (L2), Baudelaire_17 (L5), Bazzle_17 (L2), Beelzebub_53 (S), Bellis_18 (L3), BigCheese_17 (L2), Blackbeetle_49 (S), BobsGarage_17 (L2), BourbonZero_17 (L3), BrainDrainer_18 (L4), Breezona_17 (L2), Bromden_18 (L4), Caprice_46 (S), Chaser_17 (L4), Clarkson_50 (S), Claus_17 (L2), Clautastrophe_18 (L3), Corazon_47 (S), Crossroads_17 (L2), DHan_17 (L2), DanBing_16 (L2), DirkDirk_17 (L1), Douge_17 (L4), Douzhi_17 (L4), DrSeegs_17 (L2), DuncansLeg_18 (L3), DyoEdafos_18 (L4), Ellson_18 (L3), Enceladus_17 (L1), Faith1_17 (L2), FarmResident_17 (L4), FeliMaine_51 (S), Finemlucis_17 (L2), Finnry_18 (L3), Gabriela_17 (L2), Gardann_17 (L2), Gattaca_48 (S), GoongGoong_48 (S), GuuelaD_17 (L2), Hafay_17 (L2), Halena_17 (L1), Huphlepuff_51 (S), Itos_17 (L2), Jobypre_18 (L3), JoieB_50 (S), Jubie_18 (L3), Kahlid_17 (L2), Kingsolomon_18 (L3), KirDoubleO7_16 (L3), Kropertea_17 (L4), Krypton555_18 (L3), Lewan_17 (L2), LilDestine_17 (L2), Lilbit_48 (S), LittleLaf_49 (S), LiyuLake_18 (L3), Loadrie_17 (L2), Lolly9_18 (L3), LoneWolf_28 (A9), Lumos_18 (L3), Lynnae_17 (L2), MAckerman_17 (L1), Marvin_47 (S), Miley16_17 (L2), MiniLon_18 (L3), MiniMac_18 (L3), MkaliMitinis3_17 (L2), Moostard_18 (L3), MosMoris_47 (S), MsGreen_18 (L3), Netyap_17 (L2), Nicholas_18 (L3), Nicholasp3_17 (L2), OhShagHennessy_17 (L1), OverPar_17 (L2), PYPDinur_17 (L4), Poise_49 (S), Poochiewood_17 (L1), Pringar_49 (S), Quby_17 (L4), Raela_49 (S), Red305_18 (L3), RedRaider77_49 (S), Rose5_17 (L1), Rossetti_17 (L2), Rumpelstiltskin_17 (L2), Samty_18 (L3), Sarshaun_17 (L2), Silverleaf_17 (L1), Snenia_18 (L3), SoJulia_17 (L2), Soap141_17 (L2), Tesla_48 (S), Tourach_17 (L2), TriFive_18 (L3), Tyson_17 (L1), Underpass_17 (L2), VasuNzinga_49 (S), Vetrix_17 (L2), Wamburgrxpress_17 (L1), Whirlwind_19 (L3), Wigglewiggle_17 (L2), Wilder_17 (L2), Winky_17 (L2), Zakai_17 (L2), ZhongYanYuan_16 (L2),

Start 90:
• Found in 280 of 1367 (20.5%) of genes in pham
• Manual Annotations of this start: 231 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 20ES_27 (A2), 40AC_30 (A17), AN3_27 (A2), AN9_30 (A2), ANI8_30 (A2), AbbyPaige_29 (A2), Acolyte_27 (A2), Adzzy_28 (A2), Agape74_29 (A2), Aliter_28 (A9), Alma_28 (A9), Aneem_27 (A11), AnnaL29_30 (A2), Anselm_27 (A2), Anthony_26 (A20), ArcherNM_29 (A2), Arissanae_26 (A9), Artemis2UCLA_30 (A6), Ayanochan_29 (A9), BABullseye_30 (A6), BabyBack_29 (A2), Bachome_27 (A11), Bactobuster_28 (A2), Baehexic_28 (A2), Beemo_28 (A9), Bellris_25 (A9), BengiVuitton_28 (A2), BennyP_30 (A6), Benvolio_27 (A2), BiancaTri92_29 (A2), BlessJoy_30 (A6), Blinn1_30 (A6), Blue7_30 (A6), BobSwaget_30 (A2), BogosyJay_28 (A9), Bowtie_27 (A11), Bradman_26 (A2), Bud_27 (A11), Bugsy_29 (A2), C3PO_30 (EN), C3_25 (A2), CRB1_27 (A2), Candra_30 (A6), Caraxes_26 (A2), Catalina_28 (A9), Celestialunch_27 (A9), Centaur_29 (A2), Changeling_29 (A2), Chargerpower_27 (A22), Charm_27 (A9), Chartreuse_30 (A6), Che12_29 (A2), ChipMunk_29 (A2), CloudWang3_30 (A6), CogOmlette_25 (A9), Colin_31 (A2), Conquerage_28 (A9), Cookiedough_30 (A6), Crucio_27 (A2), Cruella_30 (EN), D29_27 (A2), D32_30 (A2), DBQu4n_30 (A2), DaVinci_30 (A6), Dalmatian_27 (A2), Darrell_29 (A9), DarthPhader_28 (A12), Darwin_33 (EN), DeerParkTS_28 (A2), Deloris_28 (A2), DelvinSonDorr_29 (A6), Dignity_29 (A2), Dorothea_30 (A6), Drake55_29 (A2), DreamTeam1_27 (A9), DudeLittle_27 (A2), Duplo_30 (A2), EZMoney23_31 (A2), EagleEye_29 (A16), Ebony_27 (A11), Echild_27 (A2), EdogawaKiddo_26 (A9), Eidsmoe_28 (A9), Elephantoon_28 (A9), EmyBug_28 (A9), Equemioh13_29 (A2), EricB_30 (A6), Et2Brutus_26 (A11), EvilGenius_29 (A2), ExplosioNervosa_28 (A9), Fameo_27 (A2),

FatCactus_25 (A20), Fayely_28 (A9), Fibonacci_27 (A11), FiringLine_27 (A2), First_0027 (A2), Flare16_27 (A2), Flaverint_27 (A11), ForesterFrank_28 (A2), Gail_26 (A14), Garak_31 (A6), GaugeLDP_29 (A2), Georgie2_28 (A2), Gilberta_27 (A11), Gladiator_30 (A6), Gratitude_28 (A2), GreedyLawyer_30 (A6), Gruunaga_30 (A6), Hammer_30 (A6), Hanray_27 (A9), HarryHoudini_29 (A2), Heffalump_29 (A2), Helmet_30 (A6), Herbertwm_24 (A2), Hexamo_30 (A6), HippoHollow_28 (A2), Holex_27 (A9), Hoot_30 (A6), HortumSL17_28 (A9), Hutc2_27 (A11), Indra_30 (A6), Insomnia_27 (A11), IronMan_29 (A2), Isiphiwo_30 (A6), Iwokeuplikedis_28 (A2), Jaan_30 (A2), Jabith_27 (A11), Jeeves_26 (A14), Jeffabunny_30 (A6), Jerm_29 (A2), JewelBug_30 (A6), Jiawan_27 (A9), Jordennis_30 (A6), Joselito_27 (A11), JoshKayV_29 (A2), Journey13_25 (A2), Jsquared_26 (A2), Kalpine_30 (A2), Kazan_30 (A6), Kerberos_30 (A2), Keziacharles14_26 (A9), Kimba_27 (A11), Kimchi1738_30 (EN), KingCyrus_29 (A2), Kinmap_27 (A21), Kipper29_30 (A6), Klodlith_27 (A9), Koduck_27 (A2), Koko_30 (A6), L5_27 (A2), LadyBird_27 (A2), Landor_28 (A2), Larenn_28 (A2), Leogania_29 (A2), Leviathan_29 (A2), LilTurb_29 (A2), Lilbunny_30 (A6), Lilleskat_26 (A9), LionsBait_28 (A2), Lokk_30 (A2), Loser_30 (A2), Luchador_28 (A14), Lucivia_27 (A11), Lucyedi_28 (A16), MaCh_27 (A11), Mabel_27 (A11), MajorMajor_26 (A2), Malec_28 (A2), Maminiaina_28 (A9), McFly_30 (A6), MegTheThird_26 (A9), MiculUcigas_27 (A2), Miko_30 (A2), Minispark_25 (A9), MissWhite_27 (A2), Mulciber_27 (A11), Munch_27 (A11), Myxus_28 (A9), NaSiaTalie_27 (A2), Naji_30 (A2), Neeharika16_30 (A6), Newrala_30 (A6), NicoleTera_31 (A2), NothingSpecial_29 (A2), Odin_26 (A2), Onglai_27 (A9), Orange_27 (A11), P1201_46 (singleton), PackMan_28 (A9), PainterBoy_28 (A16), Petersenfast_26 (A11), PeteyPab_32 (EN), Ph8s_28 (A2), Phaded_30 (A2), Phaeder_28 (A9), Pharaoh_27 (A12), Phlei_22 (A13), Phonnegut_28 (A9), Pioneer_28 (A9), Piro94_28 (A2), Pmask_30 (A6), Polyphemus_30 (A6), Pomar16_30 (A2), PotatoChip_33 (EN), Power_27 (A2), Priamo_30 (A6), Priya_28 (A9), Prudy_29 (A2), Pukovnik_29 (A2), Qobbit_28 (A9), QueenB2_27 (A2), QueenBeesly_27 (A2), Quokka_25 (A2), Rachaly_30 (A2), Rahalelujah_26 (A9), RedRock_30 (A2), Refuge_30 (A12), Retro23_27 (A2), Rifter_30 (A6), Roksolana_30 (A6), RyeScarlet_29 (A9), Sachima_26 (A9), Salz_27 (A11), Saskia_26 (A11), Scherzo_28 (A9), SemperFi_29 (A2), Serenity_26 (A2), Sham4_27 (A11), SheaKeira_27 (A9), Sknot_27 (A2), Smeagan_29 (A2), SmellyB_30 (A6), SnapTap_27 (A2), Snape_27 (A11), SororFago_26 (A14), Spouty_28 (A9), StarStuff_30 (A2), Steamy_28 (A12), Stickynote_32 (EN), SuperAwesome_30 (A6), SuperCallie99_30 (A6), Superchunk_26 (A2), SweetiePie_27 (A2), SwirlSquare_29 (A2), TarsusIV_27 (A2), Temprado_30 (A6), Terrific_31 (A2), Timothy_27 (A11), TinyTimmy_27 (A11), TipsytheTRex_26 (A2), Toaka_26 (A9), Tomathan_30 (A2), ToneTone_28 (A6), Travvers_30 (A2), Tristan_28 (A2), Trixie_30 (A2), Trooper_27 (A2), Tubs_28 (A9), Tucker_30 (A6), Turbido_29 (A2), Ugenie5_25 (A9), Updawg_29 (A2), VA6_27 (A2), VC3_30 (A2), Vanisoa_26 (A9), VohminGhazi_30 (A6), WeiHuaDA_33 (A2), Whabigail7_29 (A2), WideWale_29 (A2), Wiks_30 (A6), Wolpertinger_26 (A11), WorldCup_25 (A9), WunderPhul_30 (A6), XianYue_27 (A2), Yecey3_27 (A9), Yokurt_30 (A6), Zaka_30 (A6), Zimmer_29 (A12), Zion_33 (EN), Zulu_30 (A6),

Start 92:
• Found in 4 of 1367 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nedarya_28 (A15), REQ3_49 (singleton),

Start 93:
• Found in 26 of 1367 (1.9%) of genes in pham
• Manual Annotations of this start: 22 of 1182
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Anaysia_29 (A15), Anon_27 (A15), Battleship_30 (A15), Boohoo_29 (A15), DekHockey33_29 (A15), Elle_27 (A15), Epsocamisio_29 (A15), JSwag_29 (A15), KatherineG_29 (A15), LastResort_29 (A15), Looper_30 (A15), MinecraftSteve_30 (A15), Nebulosus_29 (A15), Oofda_29 (A15), Ravana_30 (A15), ReMo_29 (A15), Remus_29 (A15), Rosalind_29 (A15), ShayRa_30 (A15), Soups_29 (A15), Strosahl_29 (A15), Switzerland_29 (A15), Waits_29 (A15), Warrior24_29 (A15),

Start 96:
• Found in 1 of 1367 (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: REQ2_19 (singleton),

Start 97:
• Found in 93 of 1367 (6.8%) of genes in pham
• Manual Annotations of this start: 85 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AgentM_23 (A5), Airmid_23 (A5), Alatin_22 (CA), Alpacados_21 (CA), AngryOrchard_21 (CA), AppleCloud_20 (CA), Aragog_23 (A5), Archetta_23 (A5), Astro_23 (A8), Belenaria_22 (CA), Benedict_23 (A5), Bluefalcon_22 (A5), BobbyDazzler_22 (CA), Bonamassa_23 (A5), Bonanza_22 (CA), Bradshaw_22 (CA), Bryce_22 (CA), Caitlin_22 (A8), Chadwick_24 (A5), Conspiracy_23 (A5), Coog_23 (A5), CosmicSans_22 (CA), Cuco_23 (A5), Danforth_22 (A8), Dinger_22 (CA), Discoknowium_23 (A5), Dixon_23 (A8), Dublin_22 (A5), ElTiger69_23 (A5), Erik_22 (CA), Espica_22 (CA), Expelliarmus_22 (A8), Florence1_23 (A5), Florence4_24 (A5), ForGetIt_23 (A5), George_22 (A5), Ghoulboy_23 (A5), Gollum_22 (CA), Groundhog_22 (A8), Harlequin_22 (CA), Hiro_22 (CA), HuhtaEnerson15_23 (A5), Jabiru_23 (A5), Jester_22 (CA), Jovo_23 (A5), Krishelle_22 (CA), Lev2_23 (A5), Lillie_22 (CA), LittleCherry_23 (A5), MarysWell_22 (A5), Micasa_23 (A5), Midas2_23 (A5), Milcery_23 (A5), Naca_23 (A5), Naiad_22 (CA), Nancinator_22 (CA), Natosaleda_22 (CA), NearlyHeadless_23 (A8), Partridge_22 (CA), PetterN_24 (A5), PhailMary_21 (CA), Phillis_23 (A8), Phlorence_23 (A5), Phrankenstein_22 (CA), PickleBack_23 (A5), Prinashe11_24 (A5), RER2_15 (CA), RGL3_15 (CA), Rasputin_22 (CA), RexFury_22 (CA), Rhodalysa_22 (CA), Roary_23 (A8), Saintus_23 (A8), Scorpia_24 (A5), Shuman_22 (CA), Smeadley_23 (A8), StCroix_22 (CA), Stephig9_23 (A8), Swann_22 (CA), Swirley_23 (A5), SydNat_23 (A5), TWAMP_22 (CA), Tailonex_23 (singleton), Takoda_22 (CA), Tarynearal_22 (A5), Theia_21 (A5), Tiger_23 (A5), Twigg_23 (A5), UhSalsa_22 (CA), UnionJack_23 (A5), Yogi_22 (CA), Yoncess_22 (CA), Zolita_22 (A5),

Start 101:
• Found in 14 of 1367 (1.0%) of genes in pham
• Manual Annotations of this start: 5 of 1182
• Called 35.7% of time when present
• Phage (with cluster) where this start called: BlueNGold_99 (DS), Boopy_100 (DS), Forza_100 (DS), Mareelih_98 (DS), Sixama_98 (DS),

Start 102:
• Found in 11 of 1367 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 9.1% of time when present
• Phage (with cluster) where this start called: ChewyVIII_55 (singleton),

Start 103:
• Found in 16 of 1367 (1.2%) of genes in pham
• Manual Annotations of this start: 5 of 1182
• Called 31.2% of time when present
• Phage (with cluster) where this start called: Apiary_44 (CR6), Braxoaddie_44 (CR6), CoffeeBean_44 (CR6), Maselop_44 (CR6), Polyyuki_44 (CR6),

Start 105:
• Found in 44 of 1367 (3.2%) of genes in pham
• Manual Annotations of this start: 26 of 1182
• Called 70.5% of time when present
• Phage (with cluster) where this start called: Arti_40 (CR2), Dalilpop_45 (CR1), Emianna_40 (CR2), Ennea_46 (CR3), Flapper_44 (CR1), Float294_42 (CR3), Foxboro_41 (CR2), Fury_49 (CR5), GRU1_30 (CR1), GTE5_31 (CR1), GTE8_29 (CR2), GrootJr_42 (CR2), HomeFry_46 (CR5), Jifall16_39 (CR2), KidneyBean_40 (CR2), Kurt_40 (CR2), Lollipop1437_45 (CR3), MerCougar_41 (CR2), NatB6_40 (CR2), NovumRegina_40 (CR2), Outis_41 (CR2), Patio_43 (CR3), Phomeo_39 (CR2), Pleakley_49 (CR5), RedRaider_47 (CR3), Scuba_49 (CR5), Skysand_42 (CR3), StarStruck_41 (CR2), Tracker_40 (CR2), Turuncu_44 (CR1), Wheezy_40 (CR2),

Start 106:
• Found in 96 of 1367 (7.0%) of genes in pham
• Manual Annotations of this start: 6 of 1182
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Bonum_43 (CR2), Buggaboo_41 (CR2), Commandaria_42 (CR2), Kabluna_43 (CR2), NosilaM_43 (CR2), SuperSulley_41 (CR2),

Start 109:
• Found in 125 of 1367 (9.1%) of genes in pham
• Manual Annotations of this start: 8 of 1182
• Called 7.2% of time when present
• Phage (with cluster) where this start called: BiPauneto_43 (CR4), HubbaBubba_38 (CR4), IDyn_41 (CR4), Marietta_42 (CR4), NadineRae_40 (CR4), Pemberton_44 (CR4), Sukkupi_42 (CR4), WhoseManz_42 (CR4), Yndexa_42 (CR4),

Start 123:
• Found in 17 of 1367 (1.2%) of genes in pham
• No Manual Annotations of this start.
• Called 5.9% of time when present
• Phage (with cluster) where this start called: ChutneyChips_16 (L4),

Start 124:
• Found in 253 of 1367 (18.5%) of genes in pham
• Manual Annotations of this start: 2 of 1182
• Called 0.8% of time when present

• Phage (with cluster) where this start called: GuyFagieri_44 (CR6), MacGully_49 (CR7),

Start 130:
• Found in 65 of 1367 (4.8%) of genes in pham
• No Manual Annotations of this start.
• Called 1.5% of time when present
• Phage (with cluster) where this start called: Sheng711_17 (L4),

Start 138:
• Found in 173 of 1367 (12.7%) of genes in pham
• No Manual Annotations of this start.
• Called 0.6% of time when present
• Phage (with cluster) where this start called: Stellammi_15 (UNK),

Start 143:
• Found in 72 of 1367 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 1.4% of time when present
• Phage (with cluster) where this start called: EmiRose_16 (singleton),

Start 147:
• Found in 26 of 1367 (1.9%) of genes in pham
• Manual Annotations of this start: 26 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Angelique_19 (CY1), BearBQ_18 (DN), BeeGee_19 (CY5), Birdsong_18 (DN), Bradissa_19 (CY1), BritBrat_19 (CY2), Cashline_19 (CY6), Confidence_19 (CY1), EMsquaredA_19 (CY1), Ecliptus_23 (DN), EnalisNailo_19 (CY1), Floral_19 (CY1), Jablanski_19 (CY3), Kuwabara_18 (DN4), Lilas_19 (CY1), LonelyBoi_19 (CY7), Lucky10_17 (DH), Marteena_19 (CY1), Morkie_17 (DH), MortyNRick_18 (DN), ODay_23 (DN), PhorbesPhlower_17 (DH), Pollux_19 (CY1), Posh_19 (CY4), Pytheas_19 (CY3), Wrigley_19 (CY4),

Start 151:
• Found in 16 of 1367 (1.2%) of genes in pham
• Manual Annotations of this start: 14 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Applejacks_17 (CD), DonkeyMan_17 (DY), Gustav_17 (CD), Heinz_18 (DY), Hibiscus_17 (DY), Jojo24_17 (DY), Mahdia_17 (CD), Malibo_19 (DW), Morrissey_18 (CD), Puppers_17 (CD), Reyja_18 (DY), Santhid_17 (DY), Tarzan_17 (DY), Trine_17 (CD), Upyo_17 (CD), Widow_17 (CD),

Start 156:
• Found in 73 of 1367 (5.3%) of genes in pham
• No Manual Annotations of this start.
• Called 1.4% of time when present
• Phage (with cluster) where this start called: GAL1_19 (singleton),

Start 166:
• Found in 54 of 1367 (4.0%) of genes in pham
• Manual Annotations of this start: 45 of 1182
• Called 94.4% of time when present

• Phage (with cluster) where this start called: Adora_19 (CZ4), Annalisa_19 (CZ4), Attis_16 (CZ2), Beenie_19 (CZ4), Bjanes7_16 (CZ2), Clap_16 (CZ2), Clark_19 (CZ4), Cynthia_16 (CZ2), Denise_16 (CZ5), Dolores_19 (CZ4), Dorito_18 (CZ4), Easley_19 (CZ4), Ebert_16 (CZ2), EdnaMode_16 (CZ2), Faith5x5_16 (CZ6), FroggyToad_16 (CZ2), GemG_16 (CZ2), Gizermo_16 (CZ2), Haley23_16 (CZ2), Hortense_19 (CZ4), Howe_19 (CZ4), Invectra_19 (CZ4), JCole_16 (CZ2), Jalleen_17 (CZ2), Lamberg_16 (CZ2), LordFarquaad_16 (CZ2), Lton_16 (CZ), Matteo_16 (CZ2), Mcklovin_19 (CZ4), MichaelScott_19 (CZ4), Mocha12_16 (CZ2), Moosehead_16 (CZ6), Nettuno_16 (CZ2), OneDirection_16 (CZ6), Oregano_19 (CZ4), Pepperoni_16 (CZ), PhriskyACE_18 (CZ4), Pickett_16 (CZ2), Sahara_16 (CZ2), Samman98_19 (CZ4), Savage_16 (CZ2), Sekhmet_19 (CZ4), Shlim410_19 (CZ4), SoilAssassin_16 (CZ2), Sproutie_16 (CZ2), TuertoX_16 (CZ2), Tuti_23 (CZ4), Vasanti_16 (CZ2), Whiteclaw_16 (CZ2), WinkNick_19 (CZ4), Yeet412_16 (CZ2),

Start 167:
• Found in 3 of 1367 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Eyre_16 (singleton), Mbo4_16 (singleton), RavenCo17_16 (CZ8),

Start 169:
• Found in 6 of 1367 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Gudmit_17 (singleton),

Start 174:
• Found in 62 of 1367 (4.5%) of genes in pham
• Manual Annotations of this start: 36 of 1182
• Called 62.9% of time when present
• Phage (with cluster) where this start called: Agueybana_18 (CZ1), AlumE_18 (CZ1), Antonio_18 (CZ1), BatStarr_18 (CZ1), BaxterFox_17 (CZ3), Bialota_18 (CZ1), Bosnia_18 (CZ1), BoyNamedSue_18 (CZ1), Bunnybear_17 (CZ), DobbysSock_18 (CZ4), Eudoria_18 (CZ1), Eviarto_18 (CZ1), Herod_18 (CZ1), Hugley_18 (CZ1), Hyzer_18 (CZ1), Kita_18 (CZ1), Madavieve_18 (CZ1), Madeline_18 (CZ1), Manasvini_18 (CZ1), Maridalia_17 (CZ1), Neobush_18 (CZ1), Nymphadora_18 (CZ1), Ohgeesy_18 (CZ), PantheRoc_18 (CZ3), Polly_18 (CZ1), Powerball_18 (CZ4), Sidious_18 (CZ7), Suerte_17 (CZ4), Suscepit_18 (CZ1), Tayonia_18 (CZ1), ThankyouJordi_17 (CZ1), Thimann_19 (CZ4), TimTam_18 (CZ1), Trumpet_18 (CZ1), Twinkle_19 (CZ4), WelcomeAyanna_17 (CZ1), Yeezy_19 (CZ3), Zameen_18 (CZ1), Zirinka_18 (CZ1),

Start 176:
• Found in 3 of 1367 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Jace_16 (singleton),

Start 179:
• Found in 1 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present

• Phage (with cluster) where this start called: TinyDot_18 (singleton),

Start 181:
• Found in 2 of 1367 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finkle_18 (singleton), GMA1_18 (singleton),

Start 207:
• Found in 53 of 1367 (3.9%) of genes in pham
• Manual Annotations of this start: 1 of 1182
• Called 1.9% of time when present
• Phage (with cluster) where this start called: Whack_17 (singleton),

Summary by clusters:

There are 105 clusters represented in this pham: Z, G5, G4, G3, G2, G1, CQ2, CQ1, A22, T, X, DC2, DC1, CZ8, CZ2, CZ3, CZ1, CZ6, CZ7, CZ4, CZ5, M1, M3, M2, CY5, AF, EO, EN, G, S, EQ, CR2, CR3, CR1, CR6, CR7, CR4, CR5, DE1, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, DN4, DU1, DU2, CA, CD, CZ, UNK, CV, A20, A21, KA, DN, DL, DK, DH, DI, DD, DA, DZ, DY, DW, DT, DS, A15, A14, A17, A16, A11, A13, A12, A2, A5, A7, A6, A9, A8, CY3, CY2, CY1, AB, CY7, CY6, AG, CY4, AH, AJ, Q, L4, L5, L2, L3, L1, Y,

Info for manual annotations of cluster A11:
•Start number 90 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 90 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 90 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 92 was manually annotated 1 time for cluster A15.
•Start number 93 was manually annotated 22 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 90 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:
•Start number 90 was manually annotated 104 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 90 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:
•Start number 90 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A5:
•Start number 97 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 90 was manually annotated 47 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 87 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:
•Start number 97 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 89 was manually annotated 1 time for cluster A9.
•Start number 90 was manually annotated 34 times for cluster A9.

Info for manual annotations of cluster AB:
•Start number 27 was manually annotated 4 times for cluster AB.

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

Info for manual annotations of cluster AG:
•Start number 30 was manually annotated 1 time for cluster AG.
•Start number 40 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AH:
•Start number 44 was manually annotated 1 time for cluster AH.

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

Info for manual annotations of cluster CA:
•Start number 97 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CD:
•Start number 151 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CQ1:
•Start number 63 was manually annotated 4 times for cluster CQ1.
•Start number 69 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 65 was manually annotated 1 time for cluster CQ2.
•Start number 69 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CR1:
•Start number 105 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 105 was manually annotated 15 times for cluster CR2.
•Start number 106 was manually annotated 6 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 105 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 109 was manually annotated 8 times for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 105 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CR6:
•Start number 103 was manually annotated 5 times for cluster CR6.
•Start number 124 was manually annotated 1 time for cluster CR6.

Info for manual annotations of cluster CR7:
•Start number 124 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CV:
•Start number 66 was manually annotated 6 times for cluster CV.
•Start number 70 was manually annotated 13 times for cluster CV.
•Start number 73 was manually annotated 22 times for cluster CV.
•Start number 88 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CY1:
•Start number 147 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:
•Start number 147 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:
•Start number 147 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:
•Start number 147 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:
•Start number 147 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:
•Start number 147 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:
•Start number 147 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:
•Start number 166 was manually annotated 1 time for cluster CZ.
•Start number 174 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 174 was manually annotated 25 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 166 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 174 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 166 was manually annotated 17 times for cluster CZ4.
•Start number 174 was manually annotated 5 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 166 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 166 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:
•Start number 174 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:
•Start number 167 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:
•Start number 72 was manually annotated 1 time for cluster DA.
•Start number 73 was manually annotated 2 times for cluster DA.
•Start number 75 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DC1:
•Start number 77 was manually annotated 31 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 77 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:
•Start number 61 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE1:
•Start number 71 was manually annotated 52 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 84 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 84 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 84 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:
•Start number 76 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:
•Start number 147 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:
•Start number 53 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:
•Start number 77 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:
•Start number 63 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DN:
•Start number 147 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN4:
•Start number 147 was manually annotated 1 time for cluster DN4.

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

Info for manual annotations of cluster DT:
•Start number 64 was manually annotated 1 time for cluster DT.
•Start number 66 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster DU1:
•Start number 86 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 74 was manually annotated 1 time for cluster DU2.
•Start number 86 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster DW:
•Start number 50 was manually annotated 1 time for cluster DW.
•Start number 53 was manually annotated 3 times for cluster DW.
•Start number 151 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:
•Start number 151 was manually annotated 6 times for cluster DY.

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

Info for manual annotations of cluster EN:
•Start number 90 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:
•Start number 76 was manually annotated 3 times for cluster EO.
•Start number 78 was manually annotated 1 time for cluster EO.

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

Info for manual annotations of cluster G1:
•Start number 24 was manually annotated 62 times for cluster G1.

Info for manual annotations of cluster G2:

•Start number 18 was manually annotated 1 time for cluster G2.
•Start number 25 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 24 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 24 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 24 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:
•Start number 24 was manually annotated 108 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 26 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 24 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 24 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 28 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 24 was manually annotated 24 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 23 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 22 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster KA:
•Start number 83 was manually annotated 1 time for cluster KA.

Info for manual annotations of cluster L1:
•Start number 74 was manually annotated 9 times for cluster L1.
•Start number 89 was manually annotated 10 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 89 was manually annotated 30 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 89 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 89 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

•Start number 89 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:
•Start number 79 was manually annotated 1 time for cluster M1.
•Start number 82 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 82 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 82 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster Q:
•Start number 49 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster S:
•Start number 89 was manually annotated 18 times for cluster S.

Info for manual annotations of cluster T:
•Start number 78 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster X:
•Start number 35 was manually annotated 2 times for cluster X.

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

Info for manual annotations of cluster Z:
•Start number 45 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_27 Start: 19219, Stop: 20229, Start Num: 90
Candidate Starts for 20ES_27:
(Start: 90 @19219 has 231 MA's), (Start: 124 @19273 has 2 MA's), (149, 19312), (281, 19528), (327, 19594), (349, 19633), (350, 19636), (480, 19864), (499, 19897), (548, 19999), (561, 20020), (596, 20074), (607, 20086), (659, 20176),

Gene: 32HC_25 Start: 17876, Stop: 18982, Start Num: 45
Candidate Starts for 32HC_25:
(10, 17579), (41, 17867), (Start: 45 @17876 has 1 MA's), (Start: 61 @17915 has 2 MA's), (Start: 101 @17960 has 5 MA's), (217, 18167), (276, 18287), (347, 18401), (384, 18461), (498, 18668), (662, 18968),

Gene: 40AC_30 Start: 21412, Stop: 22422, Start Num: 90
Candidate Starts for 40AC_30:
(Start: 90 @21412 has 231 MA's), (137, 21487), (149, 21505), (164, 21541), (188, 21580), (299, 21757), (327, 21787), (349, 21826), (350, 21829), (440, 21985), (548, 22192), (596, 22267), (607, 22279), (659, 22369),

Gene: 8UZL_20 Start: 14891, Stop: 16003, Start Num: 27
Candidate Starts for 8UZL_20:
(Start: 27 @14891 has 4 MA's), (33, 14939), (Start: 101 @15047 has 5 MA's), (107, 15056), (140, 15125), (148, 15137), (158, 15152), (243, 15299), (301, 15407), (350, 15482), (356, 15491), (379, 15527), (430, 15596), (455, 15638), (495, 15683), (499, 15692), (526, 15749), (593, 15854), (656, 15965),

Gene: AN3_27 Start: 19197, Stop: 20207, Start Num: 90
Candidate Starts for AN3_27:
(Start: 90 @19197 has 231 MA's), (Start: 124 @19251 has 2 MA's), (149, 19290), (188, 19365), (281, 19506), (327, 19572), (349, 19611), (350, 19614), (480, 19842), (536, 19962), (548, 19977), (596, 20052), (607, 20064), (621, 20088), (659, 20154),

Gene: AN9_30 Start: 19185, Stop: 20195, Start Num: 90
Candidate Starts for AN9_30:
(Start: 90 @19185 has 231 MA's), (Start: 124 @19239 has 2 MA's), (137, 19260), (149, 19278), (256, 19449), (327, 19560), (349, 19599), (350, 19602), (379, 19647), (428, 19737), (536, 19950), (548, 19965), (596, 20040), (607, 20052), (621, 20076), (659, 20142),

Gene: ANI8_30 Start: 19185, Stop: 20195, Start Num: 90
Candidate Starts for ANI8_30:
(Start: 90 @19185 has 231 MA's), (Start: 124 @19239 has 2 MA's), (137, 19260), (149, 19278), (256, 19449), (327, 19560), (349, 19599), (350, 19602), (379, 19647), (428, 19737), (536, 19950), (548, 19965), (596, 20040), (607, 20052), (621, 20076), (659, 20142),

Gene: APunk_35 Start: 29234, Stop: 30211, Start Num: 84
Candidate Starts for APunk_35:
(Start: 84 @29234 has 25 MA's), (158, 29357), (177, 29393), (235, 29495), (260, 29549), (299, 29621), (341, 29684), (348, 29693), (385, 29750), (401, 29783), (417, 29816), (419, 29819), (489, 29936), (506, 29972), (518, 30005), (522, 30014), (532, 30035), (550, 30062), (570, 30092), (573, 30098), (593, 30131), (594, 30134), (630, 30188), (640, 30200),

Gene: Abblin_34 Start: 29777, Stop: 30754, Start Num: 84
Candidate Starts for Abblin_34:
(Start: 84 @29777 has 25 MA's), (135, 29852), (140, 29864), (158, 29900), (177, 29936), (235, 30038), (260, 30092), (299, 30164), (341, 30227), (348, 30236), (385, 30293), (401, 30326), (417, 30359), (419, 30362), (450, 30419), (506, 30515), (518, 30548), (522, 30557), (532, 30578), (550, 30605), (564, 30626), (570, 30635), (573, 30641), (593, 30674), (594, 30677), (630, 30731), (640, 30743),

Gene: AbbyPaige_29 Start: 19684, Stop: 20700, Start Num: 90
Candidate Starts for AbbyPaige_29:
(Start: 90 @19684 has 231 MA's), (137, 19759), (149, 19777), (164, 19813), (188, 19852), (327, 20059), (349, 20098), (350, 20101), (402, 20188), (499, 20368), (548, 20470), (596, 20545), (607, 20557),

Gene: Abscondus_46 Start: 28440, Stop: 29321, Start Num: 69
Candidate Starts for Abscondus_46:
(Start: 63 @28434 has 10 MA's), (Start: 69 @28440 has 12 MA's), (108, 28488), (120, 28515), (158, 28587), (213, 28683), (288, 28791), (350, 28884), (369, 28908), (376, 28923), (455, 29019), (495, 29067), (604, 29247), (628, 29283),

Gene: Acolyte_27 Start: 19734, Stop: 20744, Start Num: 90
Candidate Starts for Acolyte_27:

(Start: 90 @19734 has 231 MA's), (149, 19827), (164, 19863), (188, 19902), (327, 20109), (349, 20148), (350, 20151), (379, 20196), (428, 20286), (480, 20379), (548, 20514), (596, 20589), (607, 20601), (621, 20625), (659, 20691),

Gene: Acquire49_17 Start: 15847, Stop: 16746, Start Num: 74
Candidate Starts for Acquire49_17:
(55, 15811), (Start: 74 @15847 has 10 MA's), (Start: 89 @15865 has 84 MA's), (111, 15889), (Start: 124 @15919 has 2 MA's), (130, 15934), (150, 15967), (251, 16111), (349, 16267), (350, 16270), (354, 16276), (382, 16321), (401, 16348), (421, 16387), (445, 16420), (451, 16429), (467, 16456), (523, 16576), (549, 16624), (613, 16690), (617, 16696), (641, 16735),

Gene: ActinUp_22 Start: 16020, Stop: 17156, Start Num: 24
Candidate Starts for ActinUp_22:
(Start: 24 @16020 has 231 MA's), (59, 16137), (120, 16227), (129, 16248), (138, 16269), (157, 16296), (300, 16551), (352, 16632), (395, 16707), (413, 16722), (495, 16833), (516, 16875), (565, 16968), (581, 16992), (642, 17085), (658, 17124), (663, 17142),

Gene: Adephagia_22 Start: 16017, Stop: 17153, Start Num: 24
Candidate Starts for Adephagia_22:
(Start: 24 @16017 has 231 MA's), (59, 16134), (120, 16224), (129, 16245), (138, 16266), (157, 16293), (300, 16548), (352, 16629), (395, 16704), (413, 16719), (495, 16830), (516, 16872), (565, 16965), (581, 16989), (642, 17082), (658, 17121), (663, 17139),

Gene: Adonis_22 Start: 16023, Stop: 17159, Start Num: 24
Candidate Starts for Adonis_22:
(Start: 24 @16023 has 231 MA's), (59, 16140), (120, 16230), (129, 16251), (138, 16272), (157, 16299), (300, 16554), (352, 16635), (395, 16710), (413, 16725), (495, 16836), (516, 16878), (565, 16971), (581, 16995), (642, 17088), (658, 17127), (663, 17145),

Gene: Adora_19 Start: 17022, Stop: 17858, Start Num: 166
Candidate Starts for Adora_19:
(Start: 166 @17022 has 45 MA's), (Start: 174 @17031 has 36 MA's), (204, 17073), (221, 17106), (228, 17121), (256, 17169), (290, 17232), (292, 17238), (320, 17277), (353, 17331), (365, 17346), (379, 17370), (382, 17376), (402, 17412), (426, 17442), (430, 17451), (511, 17601), (555, 17691), (629, 17778),

Gene: Adzzy_28 Start: 17912, Stop: 18922, Start Num: 90
Candidate Starts for Adzzy_28:
(Start: 90 @17912 has 231 MA's), (137, 17987), (149, 18005), (164, 18041), (327, 18287), (349, 18326), (350, 18329), (428, 18464), (480, 18557), (499, 18590), (561, 18713), (583, 18743), (607, 18779), (621, 18803),

Gene: Aegeus_17 Start: 15428, Stop: 16309, Start Num: 89
Candidate Starts for Aegeus_17:
(Start: 61 @15389 has 2 MA's), (68, 15404), (Start: 89 @15428 has 84 MA's), (111, 15452), (130, 15497), (137, 15512), (150, 15530), (197, 15608), (299, 15761), (304, 15770), (350, 15833), (417, 15944), (421, 15950), (423, 15956), (451, 15992), (467, 16019), (479, 16043), (489, 16061), (493, 16070), (494, 16073), (513, 16112), (523, 16139), (549, 16187), (570, 16208), (641, 16298),

Gene: Affeca_32 Start: 29693, Stop: 30649, Start Num: 71
Candidate Starts for Affeca_32:
(Start: 71 @29693 has 52 MA's), (175, 29879), (183, 29891), (204, 29918), (322, 30089), (343, 30125), (366, 30158), (373, 30173), (381, 30185), (398, 30215), (400, 30221), (443, 30281), (498, 30371),

(539, 30461), (554, 30485), (563, 30497), (605, 30563), (616, 30578), (631, 30602), (637, 30614),

Gene: Agape74_29 Start: 19660, Stop: 20676, Start Num: 90
Candidate Starts for Agape74_29:
(Start: 90 @19660 has 231 MA's), (137, 19735), (149, 19753), (164, 19789), (188, 19828), (327, 20035), (349, 20074), (350, 20077), (402, 20164), (499, 20344), (548, 20446), (596, 20521), (607, 20533),

Gene: Agent47_20 Start: 16419, Stop: 17549, Start Num: 28
Candidate Starts for Agent47_20:
(Start: 28 @16419 has 23 MA's), (107, 16593), (137, 16659), (138, 16662), (157, 16689), (213, 16788), (268, 16890), (300, 16944), (324, 16974), (343, 17010), (345, 17013), (350, 17022), (394, 17097), (395, 17100), (430, 17136), (455, 17178), (477, 17196), (480, 17202), (495, 17226), (496, 17229), (516, 17268), (642, 17478), (658, 17517), (663, 17535),

Gene: AgentM_23 Start: 18724, Stop: 19737, Start Num: 97
Candidate Starts for AgentM_23:
(Start: 97 @18724 has 85 MA's), (149, 18820), (163, 18853), (164, 18856), (188, 18895), (217, 18943), (327, 19096), (336, 19114), (350, 19138), (377, 19180), (536, 19492), (607, 19594), (623, 19621), (659, 19684),

Gene: Ageofdapage_22 Start: 15951, Stop: 17087, Start Num: 24
Candidate Starts for Ageofdapage_22:
(Start: 24 @15951 has 231 MA's), (59, 16068), (129, 16179), (138, 16200), (157, 16227), (214, 16329), (300, 16482), (352, 16563), (395, 16638), (413, 16653), (495, 16764), (516, 16806), (565, 16899), (581, 16923), (642, 17016), (658, 17055), (663, 17073),

Gene: Agueybana_18 Start: 16953, Stop: 17780, Start Num: 174
Candidate Starts for Agueybana_18:
(Start: 174 @16953 has 36 MA's), (210, 17007), (223, 17034), (287, 17148), (290, 17154), (295, 17169), (379, 17292), (402, 17334), (408, 17343), (477, 17448), (511, 17523), (521, 17544), (605, 17667), (629, 17700),

Gene: Ailee_32 Start: 30183, Stop: 31139, Start Num: 71
Candidate Starts for Ailee_32:
(Start: 71 @30183 has 52 MA's), (175, 30369), (183, 30381), (204, 30408), (214, 30429), (262, 30489), (319, 30576), (322, 30579), (343, 30615), (366, 30648), (373, 30663), (381, 30675), (398, 30705), (400, 30711), (443, 30771), (498, 30861), (539, 30951), (554, 30975), (563, 30987), (605, 31053), (637, 31104),

Gene: Airmid_23 Start: 17965, Stop: 18978, Start Num: 97
Candidate Starts for Airmid_23:
(Start: 97 @17965 has 85 MA's), (149, 18061), (163, 18094), (164, 18097), (188, 18136), (281, 18271), (296, 18301), (318, 18331), (327, 18337), (336, 18355), (350, 18379), (377, 18421), (472, 18592), (607, 18835), (623, 18862), (659, 18925),

Gene: AizenPogi_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for AizenPogi_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Alatin_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Alatin_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: Aleemily_18 Start: 15646, Stop: 16554, Start Num: 83
Candidate Starts for Aleemily_18:
(6, 15193), (Start: 83 @15646 has 5 MA's), (Start: 106 @15673 has 6 MA's), (123, 15706), (173, 15808), (193, 15835), (208, 15859), (281, 15961), (299, 15994), (327, 16024), (348, 16060), (350, 16066), (356, 16075), (428, 16153), (457, 16183), (461, 16189), (470, 16204), (537, 16309), (585, 16375), (649, 16474), (661, 16507), (668, 16543),

Gene: Ali17_30 Start: 27429, Stop: 28415, Start Num: 84
Candidate Starts for Ali17_30:
(Start: 84 @27429 has 25 MA's), (158, 27552), (177, 27588), (215, 27648), (260, 27744), (329, 27855), (340, 27876), (401, 27978), (419, 28014), (529, 28230), (532, 28236), (541, 28251), (550, 28266), (573, 28302), (593, 28335), (594, 28338), (640, 28404),

Gene: AlishaPH_22 Start: 16010, Stop: 17146, Start Num: 24
Candidate Starts for AlishaPH_22:
(Start: 24 @16010 has 231 MA's), (59, 16127), (120, 16217), (129, 16238), (138, 16259), (157, 16286), (300, 16541), (352, 16622), (395, 16697), (413, 16712), (495, 16823), (516, 16865), (565, 16958), (581, 16982), (642, 17075), (658, 17114), (663, 17132),

Gene: Aliter_28 Start: 20455, Stop: 21468, Start Num: 90
Candidate Starts for Aliter_28:
(Start: 90 @20455 has 231 MA's), (Start: 106 @20473 has 6 MA's), (137, 20530), (149, 20548), (164, 20584), (281, 20764), (299, 20800), (327, 20830), (350, 20872), (440, 21031), (516, 21175), (548, 21238), (596, 21313), (607, 21325), (621, 21349),

Gene: AlleyCat_20 Start: 16301, Stop: 17431, Start Num: 28
Candidate Starts for AlleyCat_20:
(Start: 28 @16301 has 23 MA's), (107, 16475), (137, 16541), (157, 16571), (213, 16670), (268, 16772), (300, 16826), (324, 16856), (343, 16892), (345, 16895), (350, 16904), (394, 16979), (395, 16982), (430, 17018), (455, 17060), (477, 17078), (480, 17084), (495, 17108), (496, 17111), (516, 17150), (571, 17252), (642, 17360), (658, 17399), (663, 17417),

Gene: Alma_28 Start: 20534, Stop: 21547, Start Num: 90
Candidate Starts for Alma_28:
(Start: 90 @20534 has 231 MA's), (Start: 106 @20552 has 6 MA's), (137, 20609), (149, 20627), (164, 20663), (281, 20843), (299, 20879), (327, 20909), (350, 20951), (440, 21110), (516, 21254), (548, 21317), (596, 21392), (607, 21404), (621, 21428),

Gene: Alpacados_21 Start: 15416, Stop: 16288, Start Num: 97
Candidate Starts for Alpacados_21:
(Start: 97 @15416 has 85 MA's), (120, 15455), (161, 15536), (163, 15542), (Start: 207 @15611 has 1 MA's), (260, 15689), (277, 15716), (350, 15827), (434, 15923), (548, 16052), (559, 16070), (607, 16139), (668, 16277),

Gene: AlumE_18 Start: 16952, Stop: 17779, Start Num: 174
Candidate Starts for AlumE_18:

(Start: 174 @16952 has 36 MA's), (199, 16985), (210, 17006), (223, 17033), (287, 17147), (290, 17153), (295, 17168), (379, 17291), (402, 17333), (408, 17342), (477, 17447), (511, 17522), (521, 17543), (605, 17666), (629, 17699),

Gene: Amelie_18 Start: 15554, Stop: 16696, Start Num: 24
Candidate Starts for Amelie_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: Amgine_20 Start: 16119, Stop: 17255, Start Num: 24
Candidate Starts for Amgine_20:
(Start: 24 @16119 has 231 MA's), (59, 16236), (98, 16287), (157, 16395), (214, 16497), (216, 16500), (268, 16596), (300, 16650), (343, 16716), (350, 16728), (516, 16974), (517, 16977), (581, 17091), (642, 17184), (658, 17223), (663, 17241),

Gene: Aminay_20 Start: 16296, Stop: 17435, Start Num: 23
Candidate Starts for Aminay_20:
(Start: 23 @16296 has 1 MA's), (29, 16320), (46, 16392), (59, 16422), (116, 16506), (138, 16554), (156, 16578), (213, 16680), (268, 16782), (300, 16836), (348, 16905), (350, 16911), (373, 16947), (394, 16986), (455, 17064), (516, 17154), (529, 17190), (547, 17220), (572, 17259), (642, 17364), (658, 17403), (663, 17421),

Gene: Amochick_21 Start: 16318, Stop: 17412, Start Num: 49
Candidate Starts for Amochick_21:
(Start: 49 @16318 has 22 MA's), (52, 16327), (117, 16423), (Start: 124 @16432 has 2 MA's), (127, 16441), (157, 16492), (159, 16498), (216, 16594), (226, 16612), (258, 16681), (263, 16690), (272, 16711), (276, 16717), (280, 16723), (282, 16726), (323, 16798), (325, 16801), (428, 16957), (460, 17008), (463, 17026), (498, 17098), (510, 17116), (547, 17200), (565, 17227), (567, 17230), (593, 17266), (604, 17284), (634, 17326), (642, 17341), (644, 17344), (656, 17374), (658, 17380),

Gene: Amohnition_21 Start: 16493, Stop: 17629, Start Num: 24
Candidate Starts for Amohnition_21:
(Start: 24 @16493 has 231 MA's), (59, 16610), (Start: 70 @16628 has 13 MA's), (98, 16661), (120, 16700), (157, 16769), (213, 16868), (216, 16874), (268, 16970), (300, 17024), (343, 17090), (350, 17102), (394, 17177), (455, 17258), (480, 17282), (516, 17348), (517, 17351), (565, 17441), (642, 17558), (658, 17597), (663, 17615),

Gene: Amymech_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Amymech_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Anaya_23 Start: 16036, Stop: 17172, Start Num: 24
Candidate Starts for Anaya_23:
(Start: 24 @16036 has 231 MA's), (Start: 28 @16042 has 23 MA's), (59, 16153), (129, 16264), (138, 16285), (157, 16312), (300, 16567), (352, 16648), (413, 16738), (495, 16849), (516, 16891), (565, 16984), (581, 17008), (642, 17101), (658, 17140), (663, 17158),

Gene: Anaysia_29 Start: 18122, Stop: 19099, Start Num: 93

Candidate Starts for Anaysia_29:
(Start: 93 @18122 has 22 MA's), (161, 18236), (163, 18242), (164, 18245), (308, 18479), (477, 18746), (514, 18800), (607, 18956),

Gene: Aneem_27 Start: 19736, Stop: 20758, Start Num: 90
Candidate Starts for Aneem_27:
(Start: 90 @19736 has 231 MA's), (Start: 124 @19793 has 2 MA's), (161, 19868), (248, 19997), (281, 20057), (318, 20117), (327, 20123), (350, 20165), (379, 20210), (382, 20216), (428, 20300), (450, 20333), (607, 20615), (614, 20624), (621, 20639), (659, 20705),

Gene: Angel_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Angel_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Angelica_22 Start: 15985, Stop: 17121, Start Num: 24
Candidate Starts for Angelica_22:
(Start: 24 @15985 has 231 MA's), (59, 16102), (120, 16192), (129, 16213), (138, 16234), (157, 16261), (300, 16516), (352, 16597), (395, 16672), (413, 16687), (495, 16798), (516, 16840), (565, 16933), (581, 16957), (642, 17050), (658, 17089), (663, 17107),

Gene: Angelicage_32 Start: 30110, Stop: 31066, Start Num: 71
Candidate Starts for Angelicage_32:
(Start: 71 @30110 has 52 MA's), (175, 30296), (183, 30308), (204, 30335), (214, 30356), (262, 30416), (322, 30506), (343, 30542), (366, 30575), (373, 30590), (381, 30602), (398, 30632), (400, 30638), (443, 30698), (498, 30788), (539, 30878), (554, 30902), (563, 30914), (605, 30980), (637, 31031),

Gene: Angelique_19 Start: 16805, Stop: 17713, Start Num: 147
Candidate Starts for Angelique_19:
(Start: 147 @16805 has 26 MA's), (175, 16862), (261, 16997), (273, 17012), (275, 17015), (286, 17030), (303, 17066), (366, 17135), (387, 17174), (414, 17222), (426, 17246), (441, 17270), (533, 17462), (567, 17498), (569, 17501), (576, 17513), (578, 17516), (604, 17558), (607, 17561), (614, 17570), (645, 17624), (660, 17663), (661, 17669), (663, 17675),

Gene: AngryOrchard_21 Start: 15399, Stop: 16271, Start Num: 97
Candidate Starts for AngryOrchard_21:
(Start: 97 @15399 has 85 MA's), (120, 15438), (163, 15525), (Start: 207 @15594 has 1 MA's), (260, 15672), (350, 15810), (434, 15906), (548, 16035), (559, 16053), (607, 16122), (668, 16260),

Gene: Anma_22 Start: 15965, Stop: 17101, Start Num: 24
Candidate Starts for Anma_22:
(Start: 24 @15965 has 231 MA's), (59, 16082), (120, 16172), (129, 16193), (138, 16214), (157, 16241), (268, 16442), (300, 16496), (305, 16502), (352, 16577), (395, 16652), (413, 16667), (516, 16820), (565, 16913), (581, 16937), (642, 17030), (658, 17069), (663, 17087),

Gene: AnnaL29_30 Start: 21011, Stop: 22024, Start Num: 90
Candidate Starts for AnnaL29_30:
(Start: 90 @21011 has 231 MA's), (Start: 106 @21029 has 6 MA's), (149, 21104), (164, 21140), (188, 21179), (281, 21320), (327, 21386), (349, 21425), (350, 21428), (379, 21473), (480, 21659), (499, 21692), (607, 21881),

Gene: Annalisa_19 Start: 16513, Stop: 17349, Start Num: 166
Candidate Starts for Annalisa_19:
(Start: 166 @16513 has 45 MA's), (Start: 174 @16522 has 36 MA's), (204, 16564), (221, 16597), (228, 16612), (290, 16723), (292, 16729), (320, 16768), (353, 16822), (379, 16861), (402, 16903), (426, 16933), (430, 16942), (511, 17092), (555, 17182), (629, 17269),

Gene: Annihilator_17 Start: 15468, Stop: 16640, Start Num: 24
Candidate Starts for Annihilator_17:
(5, 15135), (Start: 24 @15468 has 231 MA's), (59, 15588), (Start: 70 @15606 has 13 MA's), (107, 15651), (Start: 109 @15657 has 8 MA's), (137, 15720), (159, 15756), (201, 15825), (202, 15828), (213, 15849), (248, 15903), (268, 15948), (289, 15978), (350, 16080), (358, 16092), (368, 16104), (377, 16122), (477, 16287), (495, 16317), (508, 16335), (516, 16359), (583, 16479), (642, 16569), (656, 16602),

Gene: Anon_27 Start: 18753, Stop: 19730, Start Num: 93
Candidate Starts for Anon_27:
(Start: 93 @18753 has 22 MA's), (120, 18795), (155, 18852), (161, 18867), (163, 18873), (164, 18876), (217, 18963), (308, 19110), (415, 19260), (607, 19587), (645, 19647), (659, 19677),

Gene: Anselm_27 Start: 19280, Stop: 20296, Start Num: 90
Candidate Starts for Anselm_27:
(Start: 90 @19280 has 231 MA's), (137, 19355), (149, 19373), (164, 19409), (188, 19448), (327, 19655), (349, 19694), (350, 19697), (499, 19964), (548, 20066), (596, 20141), (607, 20153), (659, 20243),

Gene: Anthony_26 Start: 17668, Stop: 18678, Start Num: 90
Candidate Starts for Anthony_26:
(Start: 90 @17668 has 231 MA's), (149, 17761), (164, 17797), (281, 17977), (327, 18043), (349, 18082), (350, 18085), (428, 18220), (499, 18346), (542, 18439), (548, 18448), (607, 18535), (621, 18559), (644, 18592), (659, 18625),

Gene: Antonio_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Antonio_18:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: Antsirabe_17 Start: 15810, Stop: 16985, Start Num: 24
Candidate Starts for Antsirabe_17:
(4, 15441), (5, 15501), (Start: 24 @15810 has 231 MA's), (Start: 70 @15951 has 13 MA's), (Start: 109 @16002 has 8 MA's), (138, 16068), (140, 16071), (156, 16092), (159, 16101), (201, 16170), (202, 16173), (214, 16197), (243, 16242), (248, 16248), (268, 16293), (326, 16383), (358, 16437), (393, 16497), (464, 16605), (495, 16662), (516, 16704), (518, 16710), (554, 16782), (567, 16800), (619, 16878), (621, 16881), (634, 16899), (656, 16947), (658, 16953),

Gene: Aphelion_47 Start: 28709, Stop: 29590, Start Num: 69
Candidate Starts for Aphelion_47:
(Start: 69 @28709 has 12 MA's), (108, 28757), (120, 28784), (158, 28856), (196, 28922), (213, 28952), (288, 29060), (350, 29153), (369, 29177), (376, 29192), (455, 29288), (495, 29336), (604, 29516), (628, 29552),

Gene: Apiary_44 Start: 30416, Stop: 31342, Start Num: 103

Candidate Starts for Apiary_44:
(Start: 103 @30416 has 5 MA's), (Start: 124 @30452 has 2 MA's), (186, 30569), (212, 30608), (221, 30626), (248, 30677), (299, 30776), (350, 30851), (356, 30860), (401, 30935), (411, 30956), (488, 31094), (502, 31130), (518, 31169), (549, 31211), (590, 31274), (613, 31307),

Gene: Apocalypse_22 Start: 15988, Stop: 17124, Start Num: 24
Candidate Starts for Apocalypse_22:
(Start: 24 @15988 has 231 MA's), (59, 16105), (120, 16195), (129, 16216), (138, 16237), (157, 16264), (262, 16453), (300, 16519), (352, 16600), (395, 16675), (413, 16690), (495, 16801), (516, 16843), (565, 16936), (581, 16960), (642, 17053), (658, 17092), (663, 17110),

Gene: AppleCloud_20 Start: 15445, Stop: 16317, Start Num: 97
Candidate Starts for AppleCloud_20:
(Start: 97 @15445 has 85 MA's), (120, 15484), (163, 15571), (Start: 207 @15640 has 1 MA's), (260, 15718), (277, 15745), (350, 15856), (434, 15952), (548, 16081), (559, 16099), (607, 16168), (668, 16306),

Gene: Applecrisp_20 Start: 16530, Stop: 17666, Start Num: 24
Candidate Starts for Applecrisp_20:
(Start: 24 @16530 has 231 MA's), (59, 16647), (98, 16698), (157, 16806), (214, 16908), (216, 16911), (268, 17007), (300, 17061), (343, 17127), (350, 17139), (516, 17385), (517, 17388), (642, 17595), (658, 17634), (663, 17652),

Gene: Applejacks_17 Start: 14230, Stop: 15060, Start Num: 151
Candidate Starts for Applejacks_17:
(Start: 151 @14230 has 14 MA's), (170, 14275), (188, 14299), (237, 14362), (239, 14365), (273, 14434), (337, 14530), (399, 14626), (403, 14638), (427, 14677), (453, 14707), (564, 14863), (579, 14884), (596, 14914), (599, 14917), (623, 14953), (645, 14983),

Gene: Appletree2_17 Start: 15800, Stop: 16699, Start Num: 74
Candidate Starts for Appletree2_17:
(55, 15764), (56, 15767), (Start: 74 @15800 has 10 MA's), (Start: 89 @15818 has 84 MA's), (111, 15842), (Start: 124 @15872 has 2 MA's), (130, 15887), (150, 15920), (251, 16064), (296, 16145), (349, 16220), (350, 16223), (354, 16229), (382, 16274), (401, 16301), (417, 16334), (421, 16340), (445, 16373), (451, 16382), (467, 16409), (523, 16529), (549, 16577), (573, 16604), (613, 16643), (617, 16649), (641, 16688),

Gene: Aragog_23 Start: 18754, Stop: 19767, Start Num: 97
Candidate Starts for Aragog_23:
(Start: 97 @18754 has 85 MA's), (149, 18850), (163, 18883), (164, 18886), (188, 18925), (217, 18973), (327, 19126), (336, 19144), (350, 19168), (377, 19210), (536, 19522), (607, 19624), (623, 19651), (659, 19714),

Gene: ArcherNM_29 Start: 20956, Stop: 21969, Start Num: 90
Candidate Starts for ArcherNM_29:
(Start: 90 @20956 has 231 MA's), (149, 21049), (164, 21085), (188, 21124), (327, 21331), (349, 21370), (350, 21373), (379, 21418), (480, 21604), (499, 21637), (607, 21826),

Gene: Archetta_23 Start: 18467, Stop: 19480, Start Num: 97
Candidate Starts for Archetta_23:
(Start: 97 @18467 has 85 MA's), (149, 18563), (163, 18596), (164, 18599), (188, 18638), (217, 18686), (327, 18839), (336, 18857), (350, 18881), (377, 18923), (536, 19235), (607, 19337), (623, 19364),

Gene: ArchiDore_18 Start: 15181, Stop: 16242, Start Num: 53
Candidate Starts for ArchiDore_18:
(Start: 53 @15181 has 18 MA's), (117, 15274), (138, 15316), (164, 15364), (214, 15442), (245, 15502), (258, 15532), (269, 15556), (272, 15562), (313, 15634), (321, 15643), (323, 15646), (328, 15655), (354, 15697), (428, 15796), (463, 15865), (478, 15892), (490, 15913), (619, 16138), (657, 16210), (658, 16213),

Gene: Archie_17 Start: 16290, Stop: 17204, Start Num: 89
Candidate Starts for Archie_17:
(Start: 89 @16290 has 84 MA's), (111, 16314), (Start: 124 @16344 has 2 MA's), (164, 16425), (348, 16695), (349, 16698), (350, 16701), (405, 16788), (417, 16812), (421, 16818), (467, 16887), (476, 16905), (486, 16923), (488, 16926), (549, 17055), (573, 17082), (581, 17094), (641, 17184), (649, 17196),

Gene: Archimedes_15 Start: 13707, Stop: 14570, Start Num: 75
Candidate Starts for Archimedes_15:
(Start: 66 @13698 has 10 MA's), (Start: 75 @13707 has 1 MA's), (115, 13767), (198, 13914), (213, 13941), (250, 13983), (287, 14052), (312, 14088), (372, 14178), (426, 14235), (428, 14238), (495, 14325), (517, 14361), (530, 14391), (537, 14400),

Gene: Archis_19 Start: 16004, Stop: 16864, Start Num: 73
Candidate Starts for Archis_19:
(Start: 66 @15998 has 10 MA's), (Start: 73 @16004 has 24 MA's), (Start: 88 @16019 has 1 MA's), (161, 16160), (209, 16241), (256, 16298), (259, 16307), (280, 16340), (352, 16448), (425, 16532), (480, 16604), (562, 16733), (581, 16760), (594, 16775),

Gene: Arianna_18 Start: 16553, Stop: 17428, Start Num: 78
Candidate Starts for Arianna_18:
(Start: 76 @16550 has 5 MA's), (Start: 78 @16553 has 8 MA's), (130, 16637), (208, 16775), (430, 17063),

Gene: Arissanae_26 Start: 18593, Stop: 19615, Start Num: 90
Candidate Starts for Arissanae_26:
(Start: 90 @18593 has 231 MA's), (104, 18608), (Start: 106 @18611 has 6 MA's), (149, 18686), (299, 18938), (327, 18968), (350, 19010), (432, 19160), (463, 19205), (489, 19256), (492, 19262), (548, 19385), (607, 19472),

Gene: Aroostook_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Aroostook_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Arri_33 Start: 25616, Stop: 26560, Start Num: 77
Candidate Starts for Arri_33:
(Start: 77 @25616 has 34 MA's), (137, 25721), (170, 25790), (175, 25796), (194, 25820), (204, 25835), (443, 26195), (454, 26210), (471, 26228), (520, 26330), (539, 26372), (563, 26408), (624, 26504), (650, 26555),

Gene: Artemis2UCLA_30 Start: 18860, Stop: 19876, Start Num: 90
Candidate Starts for Artemis2UCLA_30:

(Start: 90 @18860 has 231 MA's), (Start: 106 @18878 has 6 MA's), (Start: 124 @18914 has 2 MA's), (149, 18953), (208, 19058), (327, 19235), (349, 19274), (350, 19277), (402, 19364), (412, 19385), (480, 19511), (516, 19583), (607, 19733), (614, 19742), (659, 19823),

Gene: Arti_40 Start: 28866, Stop: 29807, Start Num: 105
Candidate Starts for Arti_40:
(Start: 105 @28866 has 26 MA's), (Start: 143 @28953 has 1 MA's), (186, 29028), (227, 29094), (248, 29136), (277, 29193), (411, 29406), (425, 29433), (488, 29544), (549, 29676), (613, 29772),

Gene: Asayake_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Asayake_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Ashertheman_34 Start: 28975, Stop: 29931, Start Num: 71
Candidate Starts for Ashertheman_34:
(Start: 71 @28975 has 52 MA's), (175, 29161), (183, 29173), (194, 29185), (204, 29200), (210, 29212), (223, 29239), (251, 29254), (262, 29281), (322, 29371), (343, 29407), (381, 29467), (394, 29491), (400, 29503), (443, 29563), (498, 29653), (554, 29767), (563, 29779), (605, 29845), (616, 29860), (631, 29884), (637, 29896),

Gene: Astro_23 Start: 17636, Stop: 18658, Start Num: 97
Candidate Starts for Astro_23:
(Start: 97 @17636 has 85 MA's), (161, 17759), (163, 17765), (208, 17837), (281, 17942), (294, 17969), (350, 18059), (465, 18260), (479, 18290), (480, 18293), (596, 18503), (623, 18542), (652, 18590), (659, 18605),

Gene: Atiba_22 Start: 15980, Stop: 17116, Start Num: 24
Candidate Starts for Atiba_22:
(Start: 24 @15980 has 231 MA's), (59, 16097), (120, 16187), (129, 16208), (138, 16229), (157, 16256), (300, 16511), (352, 16592), (395, 16667), (413, 16682), (495, 16793), (516, 16835), (565, 16928), (581, 16952), (642, 17045), (658, 17084), (663, 17102),

Gene: Attis_16 Start: 13903, Stop: 14751, Start Num: 166
Candidate Starts for Attis_16:
(Start: 166 @13903 has 45 MA's), (171, 13909), (255, 14044), (297, 14131), (324, 14164), (377, 14251), (379, 14254), (390, 14275), (402, 14299), (426, 14332), (537, 14554), (540, 14560), (654, 14722),

Gene: AuntGwenStacy_23 Start: 18613, Stop: 19611, Start Num: 40
Candidate Starts for AuntGwenStacy_23:
(Start: 40 @18613 has 6 MA's), (80, 18679), (137, 18769), (140, 18775), (165, 18823), (198, 18871), (213, 18898), (233, 18925), (234, 18928), (251, 18949), (279, 19000), (306, 19051), (316, 19060), (332, 19087), (377, 19162), (391, 19186), (480, 19276), (495, 19300), (496, 19303), (516, 19339), (539, 19393), (545, 19402), (572, 19444), (574, 19447), (634, 19528), (638, 19537), (658, 19582),

Gene: Auspice_27 Start: 21457, Stop: 22368, Start Num: 82
Candidate Starts for Auspice_27:
(Start: 82 @21457 has 21 MA's), (Start: 143 @21559 has 1 MA's), (156, 21577), (161, 21592), (208, 21664), (213, 21673), (267, 21751), (348, 21886), (349, 21889), (350, 21892), (395, 21961), (417, 22003), (421, 22009), (503, 22150), (513, 22171), (517, 22183), (608, 22306), (617, 22318),

Gene: AvadaKedavra_17 Start: 15865, Stop: 16746, Start Num: 89
Candidate Starts for AvadaKedavra_17:
(55, 15811), (Start: 74 @15847 has 10 MA's), (Start: 89 @15865 has 84 MA's), (111, 15889), (Start: 124 @15919 has 2 MA's), (130, 15934), (150, 15967), (251, 16111), (349, 16267), (350, 16270), (354, 16276), (382, 16321), (401, 16348), (421, 16387), (445, 16420), (451, 16429), (467, 16456), (523, 16576), (549, 16624), (613, 16690), (617, 16696), (641, 16735),

Gene: Avocado_17 Start: 15733, Stop: 16914, Start Num: 25
Candidate Starts for Avocado_17:
(Start: 25 @15733 has 2 MA's), (59, 15862), (Start: 70 @15880 has 13 MA's), (Start: 109 @15931 has 8 MA's), (120, 15955), (138, 15997), (140, 16000), (156, 16021), (159, 16030), (175, 16066), (202, 16102), (205, 16108), (214, 16126), (248, 16177), (326, 16312), (358, 16366), (393, 16426), (495, 16591), (516, 16633), (554, 16711), (619, 16807), (621, 16810), (656, 16876),

Gene: Avrafan_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Avrafan_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Ayanochan_29 Start: 20560, Stop: 21573, Start Num: 90
Candidate Starts for Ayanochan_29:
(Start: 90 @20560 has 231 MA's), (Start: 106 @20578 has 6 MA's), (137, 20635), (149, 20653), (164, 20689), (281, 20869), (299, 20905), (327, 20935), (350, 20977), (440, 21136), (516, 21280), (548, 21343), (596, 21418), (607, 21430), (621, 21454),

Gene: Ayotoya_21 Start: 17079, Stop: 18140, Start Num: 53
Candidate Starts for Ayotoya_21:
(Start: 53 @17079 has 18 MA's), (Start: 84 @17124 has 25 MA's), (Start: 109 @17154 has 8 MA's), (164, 17262), (252, 17412), (272, 17460), (323, 17544), (328, 17553), (354, 17595), (468, 17772), (508, 17841), (596, 18003), (619, 18036), (657, 18108), (658, 18111),

Gene: Aziz_31 Start: 22046, Stop: 22957, Start Num: 82
Candidate Starts for Aziz_31:
(Start: 82 @22046 has 21 MA's), (91, 22055), (Start: 124 @22109 has 2 MA's), (140, 22145), (Start: 143 @22148 has 1 MA's), (156, 22166), (161, 22181), (164, 22190), (Start: 207 @22250 has 1 MA's), (208, 22253), (349, 22478), (350, 22481), (370, 22511), (421, 22598), (503, 22739), (523, 22787), (537, 22820), (639, 22943),

Gene: Azula_20 Start: 16105, Stop: 16965, Start Num: 70
Candidate Starts for Azula_20:
(Start: 70 @16105 has 13 MA's), (Start: 88 @16120 has 1 MA's), (141, 16222), (161, 16261), (209, 16342), (268, 16426), (280, 16441), (352, 16549), (425, 16633), (477, 16699), (480, 16705), (510, 16744), (562, 16834), (594, 16876),

Gene: AzulaCat_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for AzulaCat_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656,

16611),

Gene: BABullseye_30 Start: 18959, Stop: 19972, Start Num: 90
Candidate Starts for BABullseye_30:
(Start: 90 @18959 has 231 MA's), (Start: 124 @19013 has 2 MA's), (149, 19052), (208, 19157), (299, 19304), (327, 19334), (349, 19373), (350, 19376), (379, 19421), (412, 19481), (516, 19679), (607, 19829), (614, 19838),

Gene: BEEST_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for BEEST_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: BGlluviae_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for BGlluviae_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: BPs_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for BPs_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: BQuat_17 Start: 15468, Stop: 16640, Start Num: 24
Candidate Starts for BQuat_17:
(5, 15135), (Start: 24 @15468 has 231 MA's), (59, 15588), (Start: 70 @15606 has 13 MA's), (107, 15651), (Start: 109 @15657 has 8 MA's), (137, 15720), (159, 15756), (201, 15825), (202, 15828), (213, 15849), (248, 15903), (268, 15948), (289, 15978), (350, 16080), (358, 16092), (368, 16104), (377, 16122), (477, 16287), (495, 16317), (508, 16335), (516, 16359), (583, 16479), (642, 16569), (656, 16602),

Gene: BabyBack_29 Start: 20784, Stop: 21794, Start Num: 90
Candidate Starts for BabyBack_29:
(Start: 90 @20784 has 231 MA's), (149, 20877), (164, 20913), (188, 20952), (327, 21159), (349, 21198), (350, 21201), (548, 21564), (607, 21651), (621, 21675),

Gene: BabyMoney_20 Start: 17148, Stop: 18008, Start Num: 66
Candidate Starts for BabyMoney_20:
(Start: 66 @17148 has 10 MA's), (Start: 73 @17154 has 24 MA's), (Start: 103 @17190 has 5 MA's), (Start: 105 @17193 has 26 MA's), (193, 17361), (203, 17376), (209, 17388), (278, 17484), (280, 17487), (285, 17496), (293, 17508), (300, 17523), (386, 17652), (493, 17772), (510, 17793), (517, 17814), (528, 17844), (596, 17934),

Gene: Bachita_49 Start: 29142, Stop: 30023, Start Num: 69
Candidate Starts for Bachita_49:
(Start: 69 @29142 has 12 MA's), (108, 29190), (120, 29217), (158, 29289), (196, 29355), (213, 29385), (288, 29493), (350, 29586), (369, 29610), (376, 29625), (455, 29721), (495, 29769), (604, 29949), (628, 29985),

Gene: Bachome_27 Start: 19727, Stop: 20749, Start Num: 90
Candidate Starts for Bachome_27:
(Start: 90 @19727 has 231 MA's), (Start: 124 @19784 has 2 MA's), (161, 19859), (248, 19988), (281, 20048), (318, 20108), (327, 20114), (350, 20156), (379, 20201), (382, 20207), (428, 20291), (450, 20324), (607, 20606), (614, 20615), (621, 20630), (659, 20696),

Gene: Bactobuster_28 Start: 20771, Stop: 21787, Start Num: 90
Candidate Starts for Bactobuster_28:
(Start: 90 @20771 has 231 MA's), (137, 20846), (149, 20864), (188, 20939), (281, 21080), (296, 21110), (327, 21146), (350, 21188), (403, 21278), (422, 21314), (428, 21329), (499, 21455), (536, 21542), (607, 21644), (621, 21668),

Gene: Baddon_33 Start: 29772, Stop: 30728, Start Num: 71
Candidate Starts for Baddon_33:
(Start: 71 @29772 has 52 MA's), (161, 29928), (175, 29958), (183, 29970), (187, 29973), (194, 29982), (204, 29997), (210, 30009), (322, 30168), (343, 30204), (381, 30264), (400, 30300), (443, 30360), (498, 30450), (539, 30540), (554, 30564), (563, 30576), (605, 30642), (616, 30657), (631, 30681), (637, 30693),

Gene: Baehexic_28 Start: 19662, Stop: 20678, Start Num: 90
Candidate Starts for Baehexic_28:
(Start: 90 @19662 has 231 MA's), (137, 19737), (149, 19755), (164, 19791), (188, 19830), (299, 20007), (327, 20037), (349, 20076), (350, 20079), (607, 20535), (621, 20559),

Gene: BaghaKamala_22 Start: 15980, Stop: 17116, Start Num: 24
Candidate Starts for BaghaKamala_22:
(Start: 24 @15980 has 231 MA's), (59, 16097), (120, 16187), (129, 16208), (138, 16229), (157, 16256), (300, 16511), (352, 16592), (395, 16667), (413, 16682), (495, 16793), (516, 16835), (565, 16928), (581, 16952), (642, 17045), (658, 17084), (663, 17102),

Gene: Bakery_31 Start: 24839, Stop: 25771, Start Num: 77
Candidate Starts for Bakery_31:
(Start: 77 @24839 has 34 MA's), (137, 24935), (170, 25004), (175, 25010), (183, 25022), (187, 25025), (194, 25034), (204, 25049), (322, 25223), (343, 25259), (428, 25376), (443, 25406), (520, 25541), (534, 25577), (554, 25607), (563, 25619), (612, 25694), (624, 25715),

Gene: BananenDer11_20 Start: 16380, Stop: 17510, Start Num: 28
Candidate Starts for BananenDer11_20:
(Start: 28 @16380 has 23 MA's), (107, 16554), (137, 16620), (138, 16623), (157, 16650), (213, 16749), (268, 16851), (300, 16905), (324, 16935), (343, 16971), (345, 16974), (350, 16983), (394, 17058), (395, 17061), (430, 17097), (455, 17139), (477, 17157), (480, 17163), (495, 17187), (496, 17190), (516, 17229), (642, 17439), (658, 17478), (663, 17496),

Gene: Bantam_29 Start: 26180, Stop: 27064, Start Num: 63
Candidate Starts for Bantam_29:
(Start: 63 @26180 has 10 MA's), (Start: 88 @26201 has 1 MA's), (158, 26327), (161, 26336), (248, 26456), (274, 26507), (280, 26516), (300, 26552), (350, 26624), (354, 26630), (455, 26759), (495, 26807), (530, 26882), (562, 26930),

Gene: Baoshan_16 Start: 15899, Stop: 16813, Start Num: 89
Candidate Starts for Baoshan_16:

(Start: 89 @15899 has 84 MA's), (111, 15923), (Start: 124 @15953 has 2 MA's), (164, 16034), (197, 16079), (348, 16304), (349, 16307), (350, 16310), (370, 16340), (405, 16397), (421, 16427), (467, 16496), (476, 16514), (513, 16589), (517, 16601), (549, 16664), (573, 16691), (617, 16754), (641, 16793), (649, 16805),

Gene: Barb_32 Start: 25634, Stop: 26578, Start Num: 77
Candidate Starts for Barb_32:
(Start: 77 @25634 has 34 MA's), (137, 25739), (170, 25808), (175, 25814), (194, 25838), (204, 25853), (443, 26213), (454, 26228), (471, 26246), (520, 26348), (539, 26390), (563, 26426), (624, 26522), (650, 26573),

Gene: Barco_18 Start: 15787, Stop: 16653, Start Num: 66
Candidate Starts for Barco_18:
(Start: 66 @15787 has 10 MA's), (Start: 73 @15793 has 24 MA's), (161, 15949), (209, 16030), (280, 16129), (352, 16237), (425, 16321), (480, 16393), (562, 16522), (581, 16549), (594, 16564),

Gene: Barkley26_17 Start: 15480, Stop: 16652, Start Num: 24
Candidate Starts for Barkley26_17:
(5, 15147), (Start: 24 @15480 has 231 MA's), (59, 15600), (Start: 70 @15618 has 13 MA's), (107, 15663), (Start: 109 @15669 has 8 MA's), (137, 15732), (159, 15768), (201, 15837), (202, 15840), (213, 15861), (248, 15915), (268, 15960), (289, 15990), (350, 16092), (358, 16104), (368, 16116), (377, 16134), (477, 16299), (495, 16329), (508, 16347), (516, 16371), (571, 16473), (583, 16491), (642, 16581), (656, 16614),

Gene: BarrelRoll_22 Start: 16003, Stop: 17139, Start Num: 24
Candidate Starts for BarrelRoll_22:
(Start: 24 @16003 has 231 MA's), (59, 16120), (120, 16210), (129, 16231), (138, 16252), (157, 16279), (300, 16534), (352, 16615), (395, 16690), (413, 16705), (495, 16816), (516, 16858), (565, 16951), (581, 16975), (642, 17068), (658, 17107), (663, 17125),

Gene: Barsten_34 Start: 29324, Stop: 30280, Start Num: 71
Candidate Starts for Barsten_34:
(Start: 71 @29324 has 52 MA's), (175, 29510), (183, 29522), (204, 29549), (214, 29570), (262, 29630), (319, 29717), (322, 29720), (343, 29756), (366, 29789), (373, 29804), (381, 29816), (398, 29846), (400, 29852), (443, 29912), (498, 30002), (539, 30092), (554, 30116), (563, 30128), (605, 30194), (637, 30245),

Gene: BatStarr_18 Start: 16940, Stop: 17767, Start Num: 174
Candidate Starts for BatStarr_18:
(Start: 174 @16940 has 36 MA's), (221, 17015), (287, 17135), (290, 17141), (333, 17207), (340, 17219), (377, 17276), (382, 17285), (402, 17321), (408, 17330), (426, 17351), (477, 17435), (511, 17510), (521, 17531), (605, 17654), (629, 17687),

Gene: Battleship_30 Start: 18234, Stop: 19211, Start Num: 93
Candidate Starts for Battleship_30:
(Start: 93 @18234 has 22 MA's), (161, 18348), (163, 18354), (164, 18357), (308, 18591), (477, 18858), (514, 18912), (607, 19068),

Gene: Baudelaire_17 Start: 15428, Stop: 16309, Start Num: 89
Candidate Starts for Baudelaire_17:
(Start: 61 @15389 has 2 MA's), (68, 15404), (Start: 89 @15428 has 84 MA's), (111, 15452), (130, 15497), (137, 15512), (150, 15530), (197, 15608), (299, 15761), (304, 15770), (350, 15833), (417, 15944), (421, 15950), (423, 15956), (451, 15992), (467, 16019), (479, 16043), (489, 16061), (493,

16070), (494, 16073), (513, 16112), (523, 16139), (549, 16187), (570, 16208), (641, 16298),

Gene: Baumdotcom_33 Start: 28596, Stop: 29552, Start Num: 71
Candidate Starts for Baumdotcom_33:
(Start: 71 @28596 has 52 MA's), (175, 28782), (183, 28794), (194, 28806), (204, 28821), (210, 28833), (223, 28860), (251, 28875), (262, 28902), (322, 28992), (343, 29028), (381, 29088), (394, 29112), (400, 29124), (443, 29184), (498, 29274), (554, 29388), (563, 29400), (605, 29466), (616, 29481), (631, 29505), (637, 29517),

Gene: BaxterFox_17 Start: 16279, Stop: 17106, Start Num: 174
Candidate Starts for BaxterFox_17:
(Start: 174 @16279 has 36 MA's), (221, 16354), (287, 16474), (290, 16480), (333, 16546), (340, 16558), (377, 16615), (382, 16624), (402, 16660), (408, 16669), (426, 16690), (477, 16774), (511, 16849), (521, 16870), (605, 16993), (629, 17026),

Gene: Bazzle_17 Start: 16039, Stop: 16953, Start Num: 89
Candidate Starts for Bazzle_17:
(Start: 89 @16039 has 84 MA's), (111, 16063), (Start: 124 @16093 has 2 MA's), (197, 16219), (348, 16444), (349, 16447), (350, 16450), (405, 16537), (417, 16561), (421, 16567), (467, 16636), (476, 16654), (486, 16672), (488, 16675), (549, 16804), (573, 16831), (581, 16843), (641, 16933), (649, 16945),

Gene: BearBQ_18 Start: 16477, Stop: 17403, Start Num: 147
Candidate Starts for BearBQ_18:
(146, 16474), (Start: 147 @16477 has 26 MA's), (175, 16534), (247, 16636), (254, 16648), (265, 16672), (273, 16681), (275, 16684), (277, 16687), (313, 16750), (347, 16783), (366, 16804), (409, 16879), (414, 16891), (426, 16915), (444, 16942), (446, 16945), (465, 16975), (492, 17029), (501, 17053), (533, 17134), (558, 17176), (560, 17179), (567, 17188), (569, 17191), (576, 17203), (578, 17206), (588, 17218), (593, 17230), (607, 17251), (614, 17260), (618, 17269), (645, 17314), (646, 17317), (661, 17359), (663, 17365),

Gene: BeeGee_19 Start: 16625, Stop: 17533, Start Num: 147
Candidate Starts for BeeGee_19:
(Start: 147 @16625 has 26 MA's), (175, 16682), (261, 16817), (273, 16832), (275, 16835), (303, 16886), (387, 16994), (414, 17042), (426, 17066), (437, 17084), (441, 17090), (465, 17126), (533, 17282), (560, 17309), (569, 17321), (578, 17336), (607, 17381), (623, 17408), (645, 17444), (646, 17447), (660, 17483), (661, 17489), (663, 17495),

Gene: Beelzebub_53 Start: 26710, Stop: 27672, Start Num: 89
Candidate Starts for Beelzebub_53:
(Start: 89 @26710 has 84 MA's), (161, 26842), (175, 26866), (182, 26875), (185, 26881), (192, 26890), (208, 26914), (213, 26923), (219, 26935), (294, 27061), (341, 27142), (350, 27157), (354, 27163), (417, 27271), (493, 27397), (497, 27403), (582, 27553), (586, 27559), (593, 27571), (594, 27574), (651, 27661), (653, 27664), (655, 27667),

Gene: Beemo_28 Start: 20561, Stop: 21574, Start Num: 90
Candidate Starts for Beemo_28:
(Start: 90 @20561 has 231 MA's), (Start: 106 @20579 has 6 MA's), (137, 20636), (149, 20654), (164, 20690), (281, 20870), (299, 20906), (327, 20936), (350, 20978), (440, 21137), (516, 21281), (548, 21344), (596, 21419), (607, 21431), (621, 21455),

Gene: Beenie_19 Start: 16864, Stop: 17706, Start Num: 166
Candidate Starts for Beenie_19:

(Start: 166 @16864 has 45 MA's), (Start: 174 @16873 has 36 MA's), (204, 16915), (221, 16948), (228, 16963), (256, 17011), (281, 17059), (290, 17074), (292, 17080), (320, 17119), (353, 17173), (379, 17212), (382, 17218), (402, 17254), (426, 17284), (430, 17293), (511, 17449), (629, 17626),

Gene: Beezoo_22 Start: 16027, Stop: 17163, Start Num: 24
Candidate Starts for Beezoo_22:
(Start: 24 @16027 has 231 MA's), (59, 16144), (120, 16234), (129, 16255), (138, 16276), (157, 16303), (300, 16558), (352, 16639), (395, 16714), (413, 16729), (495, 16840), (516, 16882), (565, 16975), (581, 16999), (642, 17092), (658, 17131), (663, 17149),

Gene: Begonia_19 Start: 16271, Stop: 17131, Start Num: 73
Candidate Starts for Begonia_19:
(Start: 66 @16265 has 10 MA's), (Start: 73 @16271 has 24 MA's), (161, 16427), (209, 16508), (280, 16607), (352, 16715), (425, 16799), (480, 16871), (562, 17000), (594, 17042),

Gene: Belenaria_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Belenaria_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: Bella96_22 Start: 15947, Stop: 17083, Start Num: 24
Candidate Starts for Bella96_22:
(Start: 24 @15947 has 231 MA's), (59, 16064), (120, 16154), (129, 16175), (138, 16196), (157, 16223), (268, 16424), (300, 16478), (352, 16559), (395, 16634), (413, 16649), (516, 16802), (565, 16895), (581, 16919), (642, 17012), (658, 17051), (663, 17069),

Gene: Belladonna_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Belladonna_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Bellis_18 Start: 16492, Stop: 17382, Start Num: 89
Candidate Starts for Bellis_18:
(Start: 89 @16492 has 84 MA's), (111, 16516), (130, 16561), (137, 16576), (150, 16597), (208, 16693), (299, 16828), (304, 16837), (349, 16897), (350, 16900), (354, 16906), (401, 16978), (417, 17011), (467, 17086), (494, 17140), (505, 17161), (525, 17212), (549, 17254), (641, 17365), (643, 17368),

Gene: Bellris_25 Start: 18587, Stop: 19609, Start Num: 90
Candidate Starts for Bellris_25:
(Start: 90 @18587 has 231 MA's), (Start: 106 @18605 has 6 MA's), (Start: 124 @18641 has 2 MA's), (137, 18662), (149, 18680), (208, 18785), (299, 18932), (327, 18962), (350, 19004), (412, 19109), (432, 19154), (463, 19199), (489, 19250), (492, 19256), (495, 19265), (548, 19379), (583, 19430), (596, 19454), (607, 19466), (659, 19556),

Gene: Belphegor_32 Start: 29032, Stop: 30018, Start Num: 84
Candidate Starts for Belphegor_32:
(Start: 84 @29032 has 25 MA's), (177, 29191), (215, 29251), (260, 29347), (262, 29350), (329, 29458), (340, 29479), (401, 29581), (419, 29617), (520, 29809), (529, 29833), (532, 29839), (541, 29854), (573, 29905), (593, 29938), (594, 29941), (640, 30007),

Gene: Benedict_23 Start: 17968, Stop: 18981, Start Num: 97

Candidate Starts for Benedict_23:
(Start: 97 @17968 has 85 MA's), (163, 18097), (164, 18100), (188, 18139), (281, 18274), (296, 18304), (318, 18334), (327, 18340), (336, 18358), (350, 18382), (377, 18424), (607, 18838), (659, 18928),

Gene: BengiVuitton_28 Start: 19613, Stop: 20623, Start Num: 90
Candidate Starts for BengiVuitton_28:
(Start: 90 @19613 has 231 MA's), (149, 19706), (164, 19742), (188, 19781), (327, 19988), (349, 20027), (350, 20030), (480, 20258), (499, 20291), (548, 20393), (561, 20414), (596, 20468), (607, 20480), (659, 20570),

Gene: BennyP_30 Start: 18966, Stop: 19979, Start Num: 90
Candidate Starts for BennyP_30:
(Start: 90 @18966 has 231 MA's), (Start: 124 @19020 has 2 MA's), (149, 19059), (208, 19164), (299, 19311), (327, 19341), (349, 19380), (350, 19383), (379, 19428), (412, 19488), (516, 19686), (607, 19836), (614, 19845),

Gene: Benvolio_27 Start: 19279, Stop: 20295, Start Num: 90
Candidate Starts for Benvolio_27:
(Start: 90 @19279 has 231 MA's), (137, 19354), (149, 19372), (164, 19408), (188, 19447), (327, 19654), (349, 19693), (350, 19696), (548, 20065), (596, 20140), (607, 20152),

Gene: Bern_22 Start: 15975, Stop: 17111, Start Num: 24
Candidate Starts for Bern_22:
(Start: 24 @15975 has 231 MA's), (59, 16092), (129, 16203), (138, 16224), (157, 16251), (268, 16452), (300, 16506), (352, 16587), (395, 16662), (413, 16677), (495, 16788), (516, 16830), (565, 16923), (581, 16947), (642, 17040), (658, 17079), (663, 17097),

Gene: Bernal13_18 Start: 16018, Stop: 16983, Start Num: 78
Candidate Starts for Bernal13_18:
(Start: 78 @16018 has 8 MA's), (104, 16045), (113, 16063), (216, 16240), (217, 16243), (260, 16318), (299, 16384), (315, 16411), (349, 16468), (354, 16477), (494, 16714), (507, 16738), (555, 16837), (570, 16858), (583, 16879), (610, 16918), (617, 16927),

Gene: BetterKatz_21 Start: 16552, Stop: 17613, Start Num: 53
Candidate Starts for BetterKatz_21:
(Start: 53 @16552 has 18 MA's), (Start: 84 @16597 has 25 MA's), (Start: 109 @16627 has 8 MA's), (164, 16735), (252, 16885), (272, 16933), (323, 17017), (328, 17026), (354, 17068), (468, 17245), (487, 17278), (508, 17314), (619, 17509), (657, 17581), (658, 17584),

Gene: BiPauneto_43 Start: 28641, Stop: 29561, Start Num: 109
Candidate Starts for BiPauneto_43:
(Start: 109 @28641 has 8 MA's), (Start: 143 @28722 has 1 MA's), (165, 28767), (212, 28836), (299, 29004), (356, 29088), (386, 29139), (411, 29172), (513, 29370), (519, 29388), (549, 29430), (608, 29520), (613, 29526), (625, 29547),

Gene: Bialota_18 Start: 16952, Stop: 17779, Start Num: 174
Candidate Starts for Bialota_18:
(Start: 174 @16952 has 36 MA's), (210, 17006), (223, 17033), (287, 17147), (290, 17153), (295, 17168), (379, 17291), (402, 17333), (408, 17342), (477, 17447), (511, 17522), (521, 17543), (605, 17666), (629, 17699),

Gene: BiancaTri92_29 Start: 20966, Stop: 21976, Start Num: 90
Candidate Starts for BiancaTri92_29:

(Start: 90 @20966 has 231 MA's), (137, 21041), (149, 21059), (164, 21095), (188, 21134), (299, 21311), (327, 21341), (349, 21380), (350, 21383), (480, 21611), (548, 21746), (596, 21821), (607, 21833), (659, 21923),

Gene: Bibwit_33 Start: 29511, Stop: 30467, Start Num: 71
Candidate Starts for Bibwit_33:
(Start: 71 @29511 has 52 MA's), (175, 29697), (183, 29709), (204, 29736), (322, 29907), (343, 29943), (366, 29976), (373, 29991), (381, 30003), (398, 30033), (400, 30039), (443, 30099), (498, 30189), (539, 30279), (554, 30303), (563, 30315), (605, 30381), (637, 30432),

Gene: BigCheese_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for BigCheese_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: BigHunkinEater_36 Start: 29015, Stop: 29992, Start Num: 84
Candidate Starts for BigHunkinEater_36:
(Start: 84 @29015 has 25 MA's), (135, 29090), (140, 29102), (158, 29138), (177, 29174), (235, 29276), (260, 29330), (299, 29402), (341, 29465), (348, 29474), (385, 29531), (401, 29564), (417, 29597), (419, 29600), (450, 29657), (506, 29753), (518, 29786), (522, 29795), (532, 29816), (550, 29843), (564, 29864), (570, 29873), (573, 29879), (593, 29912), (594, 29915), (630, 29969), (640, 29981),

Gene: Biglebops_18 Start: 15554, Stop: 16696, Start Num: 24
Candidate Starts for Biglebops_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: Bipper_23 Start: 18745, Stop: 19743, Start Num: 40
Candidate Starts for Bipper_23:
(Start: 40 @18745 has 6 MA's), (80, 18811), (Start: 93 @18820 has 22 MA's), (129, 18883), (137, 18901), (140, 18907), (213, 19030), (233, 19057), (234, 19060), (251, 19081), (306, 19183), (316, 19192), (332, 19219), (377, 19294), (426, 19336), (438, 19363), (480, 19408), (495, 19432), (496, 19435), (518, 19477), (539, 19525), (545, 19534), (572, 19576), (583, 19588), (623, 19645), (658, 19714),

Gene: Birdsong_18 Start: 15370, Stop: 16296, Start Num: 147
Candidate Starts for Birdsong_18:
(146, 15367), (Start: 147 @15370 has 26 MA's), (175, 15427), (247, 15529), (254, 15541), (265, 15565), (273, 15574), (275, 15577), (277, 15580), (313, 15643), (347, 15676), (366, 15697), (374, 15712), (409, 15772), (414, 15784), (426, 15808), (444, 15835), (446, 15838), (465, 15868), (501, 15946), (533, 16027), (558, 16069), (560, 16072), (567, 16081), (569, 16084), (576, 16096), (578, 16099), (588, 16111), (593, 16123), (607, 16144), (614, 16153), (618, 16162), (645, 16207), (646, 16210), (647, 16216), (661, 16252), (663, 16258),

Gene: Bizzy_34 Start: 28919, Stop: 29875, Start Num: 71
Candidate Starts for Bizzy_34:
(Start: 71 @28919 has 52 MA's), (161, 29075), (175, 29105), (183, 29117), (194, 29129), (204, 29144), (210, 29156), (322, 29315), (343, 29351), (381, 29411), (400, 29447), (443, 29507), (498, 29597), (539, 29687), (554, 29711), (563, 29723), (605, 29789), (616, 29804), (631, 29828), (637, 29840),

Gene: Bjanes7_16 Start: 13903, Stop: 14751, Start Num: 166
Candidate Starts for Bjanes7_16:
(Start: 166 @13903 has 45 MA's), (171, 13909), (255, 14044), (297, 14131), (324, 14164), (377, 14251), (379, 14254), (390, 14275), (402, 14299), (426, 14332), (537, 14554), (540, 14560), (654, 14722),

Gene: Blackbeetle_49 Start: 25756, Stop: 26718, Start Num: 89
Candidate Starts for Blackbeetle_49:
(Start: 89 @25756 has 84 MA's), (161, 25888), (175, 25912), (182, 25921), (185, 25927), (192, 25936), (208, 25960), (213, 25969), (219, 25981), (227, 25993), (294, 26107), (341, 26188), (350, 26203), (354, 26209), (417, 26317), (493, 26443), (497, 26449), (582, 26599), (586, 26605), (593, 26617), (594, 26620), (651, 26707), (653, 26710), (655, 26713),

Gene: BlessJoy_30 Start: 18958, Stop: 19974, Start Num: 90
Candidate Starts for BlessJoy_30:
(Start: 90 @18958 has 231 MA's), (Start: 106 @18976 has 6 MA's), (Start: 124 @19012 has 2 MA's), (149, 19051), (208, 19156), (327, 19333), (349, 19372), (350, 19375), (402, 19462), (412, 19483), (480, 19609), (516, 19681), (607, 19831), (614, 19840), (659, 19921),

Gene: BlingBling_18 Start: 15793, Stop: 16653, Start Num: 73
Candidate Starts for BlingBling_18:
(Start: 66 @15787 has 10 MA's), (Start: 73 @15793 has 24 MA's), (161, 15949), (209, 16030), (280, 16129), (352, 16237), (425, 16321), (480, 16393), (562, 16522), (581, 16549), (594, 16564),

Gene: Blinn1_30 Start: 19032, Stop: 20045, Start Num: 90
Candidate Starts for Blinn1_30:
(Start: 90 @19032 has 231 MA's), (Start: 124 @19086 has 2 MA's), (149, 19125), (164, 19161), (208, 19230), (299, 19377), (327, 19407), (349, 19446), (350, 19449), (379, 19494), (412, 19554), (480, 19680), (516, 19752), (607, 19902), (614, 19911),

Gene: Blino_18 Start: 15761, Stop: 16621, Start Num: 73
Candidate Starts for Blino_18:
(Start: 66 @15755 has 10 MA's), (Start: 73 @15761 has 24 MA's), (161, 15917), (209, 15998), (280, 16097), (352, 16205), (425, 16289), (477, 16355), (480, 16361), (562, 16490), (594, 16532),

Gene: Blizzard_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Blizzard_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: BloominB_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for BloominB_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Blue7_30 Start: 18950, Stop: 19966, Start Num: 90
Candidate Starts for Blue7_30:
(Start: 90 @18950 has 231 MA's), (Start: 106 @18968 has 6 MA's), (Start: 124 @19004 has 2 MA's), (149, 19043), (208, 19148), (327, 19325), (349, 19364), (350, 19367), (402, 19454), (412, 19475),

(480, 19601), (516, 19673), (607, 19823), (614, 19832), (659, 19913),

Gene: BlueNGold_99 Start: 59080, Stop: 60015, Start Num: 101
Candidate Starts for BlueNGold_99:
(Start: 101 @59080 has 5 MA's), (112, 59095), (114, 59101), (118, 59107), (Start: 169 @59224 has 1 MA's), (172, 59227), (Start: 207 @59278 has 1 MA's), (225, 59314), (296, 59449), (318, 59485), (340, 59515), (485, 59767), (506, 59812), (517, 59842), (519, 59848), (532, 59875), (557, 59914), (599, 59983),

Gene: Blueberry_20 Start: 16105, Stop: 16965, Start Num: 70
Candidate Starts for Blueberry_20:
(Start: 70 @16105 has 13 MA's), (Start: 88 @16120 has 1 MA's), (141, 16222), (161, 16261), (209, 16342), (268, 16426), (280, 16441), (352, 16549), (425, 16633), (477, 16699), (480, 16705), (510, 16744), (562, 16834), (594, 16876),

Gene: Bluefalcon_22 Start: 18724, Stop: 19737, Start Num: 97
Candidate Starts for Bluefalcon_22:
(Start: 97 @18724 has 85 MA's), (149, 18820), (163, 18853), (164, 18856), (188, 18895), (217, 18943), (327, 19096), (336, 19114), (350, 19138), (377, 19180), (536, 19492), (607, 19594), (623, 19621),

Gene: BobBob_31 Start: 28792, Stop: 29748, Start Num: 71
Candidate Starts for BobBob_31:
(Start: 71 @28792 has 52 MA's), (175, 28978), (183, 28990), (204, 29017), (214, 29038), (262, 29098), (322, 29188), (343, 29224), (366, 29257), (373, 29272), (381, 29284), (398, 29314), (400, 29320), (443, 29380), (498, 29470), (539, 29560), (554, 29584), (563, 29596), (605, 29662), (616, 29677), (631, 29701), (637, 29713), (650, 29743),

Gene: BobSwaget_30 Start: 20811, Stop: 21821, Start Num: 90
Candidate Starts for BobSwaget_30:
(Start: 90 @20811 has 231 MA's), (149, 20904), (164, 20940), (188, 20979), (327, 21186), (349, 21225), (350, 21228), (379, 21273), (428, 21363), (480, 21456), (499, 21489), (548, 21591), (596, 21666), (607, 21678), (659, 21768),

Gene: BobbyDazzler_22 Start: 15525, Stop: 16397, Start Num: 97
Candidate Starts for BobbyDazzler_22:
(Start: 97 @15525 has 85 MA's), (120, 15564), (161, 15645), (163, 15651), (Start: 207 @15720 has 1 MA's), (260, 15798), (277, 15825), (350, 15936), (434, 16032), (548, 16161), (559, 16179), (607, 16248), (668, 16386),

Gene: Bobquesha_24 Start: 17234, Stop: 18367, Start Num: 24
Candidate Starts for Bobquesha_24:
(Start: 24 @17234 has 231 MA's), (29, 17252), (46, 17324), (59, 17354), (120, 17444), (Start: 124 @17453 has 2 MA's), (138, 17486), (156, 17510), (214, 17615), (300, 17768), (348, 17837), (350, 17843), (455, 17996), (477, 18014), (495, 18044), (516, 18086), (517, 18089), (634, 18281), (642, 18296), (658, 18335), (663, 18353),

Gene: BobsGarage_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for BobsGarage_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Bock_21 Start: 16302, Stop: 17363, Start Num: 53
Candidate Starts for Bock_21:
(Start: 53 @16302 has 18 MA's), (Start: 84 @16347 has 25 MA's), (Start: 109 @16377 has 8 MA's), (159, 16470), (164, 16485), (252, 16635), (272, 16683), (323, 16767), (328, 16776), (354, 16818), (468, 16995), (487, 17028), (508, 17064), (619, 17259), (657, 17331), (658, 17334),

Gene: BogosyJay_28 Start: 20290, Stop: 21312, Start Num: 90
Candidate Starts for BogosyJay_28:
(Start: 90 @20290 has 231 MA's), (Start: 106 @20308 has 6 MA's), (137, 20365), (149, 20383), (164, 20419), (281, 20599), (299, 20635), (327, 20665), (350, 20707), (440, 20866), (489, 20953), (607, 21169), (621, 21193),

Gene: Boiiii_22 Start: 16053, Stop: 17189, Start Num: 24
Candidate Starts for Boiiii_22:
(Start: 24 @16053 has 231 MA's), (59, 16170), (120, 16260), (129, 16281), (138, 16302), (157, 16329), (300, 16584), (352, 16665), (395, 16740), (413, 16755), (495, 16866), (516, 16908), (565, 17001), (581, 17025), (642, 17118), (658, 17157), (663, 17175),

Gene: Boilgate_19 Start: 16429, Stop: 17568, Start Num: 22
Candidate Starts for Boilgate_19:
(Start: 22 @16429 has 1 MA's), (29, 16453), (46, 16525), (59, 16555), (60, 16561), (107, 16618), (137, 16684), (138, 16687), (156, 16711), (162, 16729), (183, 16768), (209, 16807), (213, 16813), (229, 16846), (268, 16915), (300, 16969), (333, 17017), (345, 17035), (348, 17038), (350, 17044), (480, 17221), (495, 17245), (516, 17287), (517, 17290), (528, 17320), (539, 17341), (565, 17380), (572, 17392), (574, 17395), (634, 17482), (642, 17497), (658, 17536), (663, 17554),

Gene: Bonamassa_23 Start: 18648, Stop: 19661, Start Num: 97
Candidate Starts for Bonamassa_23:
(Start: 97 @18648 has 85 MA's), (149, 18744), (163, 18777), (164, 18780), (281, 18954), (318, 19014), (327, 19020), (336, 19038), (350, 19062), (377, 19104), (536, 19416), (607, 19518), (659, 19608),

Gene: Bonanza_22 Start: 15454, Stop: 16326, Start Num: 97
Candidate Starts for Bonanza_22:
(Start: 97 @15454 has 85 MA's), (120, 15493), (161, 15574), (163, 15580), (Start: 207 @15649 has 1 MA's), (260, 15727), (277, 15754), (350, 15865), (434, 15961), (548, 16090), (559, 16108), (607, 16177), (668, 16315),

Gene: Bongo_27 Start: 21457, Stop: 22368, Start Num: 82
Candidate Starts for Bongo_27:
(Start: 82 @21457 has 21 MA's), (Start: 143 @21559 has 1 MA's), (156, 21577), (161, 21592), (208, 21664), (213, 21673), (267, 21751), (348, 21886), (349, 21889), (350, 21892), (395, 21961), (417, 22003), (421, 22009), (503, 22150), (513, 22171), (517, 22183), (608, 22306), (617, 22318),

Gene: Bonum_43 Start: 29225, Stop: 30142, Start Num: 106
Candidate Starts for Bonum_43:
(Start: 106 @29225 has 6 MA's), (Start: 143 @29306 has 1 MA's), (162, 29342), (248, 29489), (386, 29723), (410, 29750), (433, 29801), (488, 29894), (549, 30011), (613, 30107), (617, 30113), (625, 30128),

Gene: Boohoo_29 Start: 18122, Stop: 19099, Start Num: 93
Candidate Starts for Boohoo_29:
(Start: 93 @18122 has 22 MA's), (161, 18236), (163, 18242), (164, 18245), (308, 18479), (477, 18746), (514, 18800), (607, 18956),

Gene: Boopy_100 Start: 59092, Stop: 60027, Start Num: 101
Candidate Starts for Boopy_100:
(Start: 101 @59092 has 5 MA's), (112, 59107), (114, 59113), (118, 59119), (Start: 169 @59236 has 1 MA's), (172, 59239), (Start: 207 @59290 has 1 MA's), (225, 59326), (296, 59461), (318, 59497), (340, 59527), (485, 59779), (506, 59824), (517, 59854), (519, 59860), (532, 59887), (557, 59926), (599, 59995),

Gene: BoostSeason_18 Start: 13915, Stop: 15042, Start Num: 26
Candidate Starts for BoostSeason_18:
(Start: 26 @13915 has 11 MA's), (29, 13924), (59, 14026), (120, 14116), (138, 14158), (157, 14185), (209, 14278), (213, 14284), (251, 14347), (268, 14386), (300, 14440), (350, 14518), (382, 14569), (394, 14593), (455, 14671), (477, 14689), (495, 14719), (516, 14761), (517, 14764), (581, 14878), (634, 14956), (642, 14971), (658, 15010), (663, 15028),

Gene: Bosnia_18 Start: 16940, Stop: 17767, Start Num: 174
Candidate Starts for Bosnia_18:
(Start: 174 @16940 has 36 MA's), (221, 17015), (287, 17135), (290, 17141), (333, 17207), (340, 17219), (377, 17276), (382, 17285), (402, 17321), (408, 17330), (426, 17351), (477, 17435), (511, 17510), (521, 17531), (605, 17654), (629, 17687),

Gene: BourbonZero_17 Start: 16488, Stop: 17378, Start Num: 89
Candidate Starts for BourbonZero_17:
(Start: 89 @16488 has 84 MA's), (111, 16512), (130, 16557), (137, 16572), (150, 16593), (208, 16689), (213, 16698), (299, 16824), (304, 16833), (349, 16893), (350, 16896), (354, 16902), (401, 16974), (417, 17007), (423, 17019), (467, 17082), (505, 17157), (525, 17208), (549, 17250), (641, 17361), (643, 17364),

Gene: Bowtie_27 Start: 19736, Stop: 20758, Start Num: 90
Candidate Starts for Bowtie_27:
(Start: 90 @19736 has 231 MA's), (Start: 124 @19793 has 2 MA's), (161, 19868), (248, 19997), (281, 20057), (318, 20117), (327, 20123), (350, 20165), (379, 20210), (382, 20216), (428, 20300), (450, 20333), (607, 20615), (614, 20624), (621, 20639), (659, 20705),

Gene: BoyNamedSue_18 Start: 16952, Stop: 17779, Start Num: 174
Candidate Starts for BoyNamedSue_18:
(Start: 174 @16952 has 36 MA's), (199, 16985), (210, 17006), (223, 17033), (287, 17147), (290, 17153), (295, 17168), (379, 17291), (402, 17333), (408, 17342), (477, 17447), (511, 17522), (521, 17543), (605, 17666), (629, 17699),

Gene: Bradissa_19 Start: 16808, Stop: 17716, Start Num: 147
Candidate Starts for Bradissa_19:
(Start: 147 @16808 has 26 MA's), (175, 16865), (273, 17015), (275, 17018), (303, 17069), (366, 17138), (387, 17177), (414, 17225), (426, 17249), (441, 17273), (533, 17465), (560, 17492), (567, 17501), (569, 17504), (578, 17519), (604, 17561), (607, 17564), (623, 17591), (645, 17627), (649, 17639), (661, 17672), (663, 17678),

Gene: Bradman_26 Start: 18067, Stop: 19077, Start Num: 90
Candidate Starts for Bradman_26:
(Start: 90 @18067 has 231 MA's), (Start: 124 @18121 has 2 MA's), (137, 18142), (149, 18160), (188, 18235), (327, 18442), (349, 18481), (350, 18484), (379, 18529), (480, 18712), (499, 18745), (548, 18847), (607, 18934), (659, 19024),

Gene: Bradshaw_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Bradshaw_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (281, 15786), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: BrainDrainer_18 Start: 15831, Stop: 16718, Start Num: 89
Candidate Starts for BrainDrainer_18:
(Start: 89 @15831 has 84 MA's), (111, 15855), (123, 15882), (Start: 124 @15885 has 2 MA's), (130, 15900), (150, 15933), (208, 16029), (299, 16164), (304, 16173), (349, 16233), (350, 16236), (401, 16314), (410, 16329), (421, 16353), (445, 16386), (467, 16422), (479, 16446), (489, 16464), (493, 16473), (513, 16515), (523, 16542), (549, 16590), (573, 16617), (641, 16701),

Gene: Brandonk123_35 Start: 29858, Stop: 30814, Start Num: 71
Candidate Starts for Brandonk123_35:
(Start: 71 @29858 has 52 MA's), (175, 30044), (183, 30056), (204, 30083), (214, 30104), (262, 30164), (322, 30254), (343, 30290), (366, 30323), (373, 30338), (381, 30350), (398, 30380), (400, 30386), (443, 30446), (498, 30536), (539, 30626), (554, 30650), (563, 30662), (605, 30728), (631, 30767), (637, 30779),

Gene: Braxoaddie_44 Start: 30405, Stop: 31331, Start Num: 103
Candidate Starts for Braxoaddie_44:
(Start: 103 @30405 has 5 MA's), (Start: 124 @30441 has 2 MA's), (186, 30558), (212, 30597), (221, 30615), (248, 30666), (299, 30765), (350, 30840), (356, 30849), (401, 30924), (411, 30945), (488, 31083), (502, 31119), (518, 31158), (549, 31200), (590, 31263), (613, 31296),

Gene: Breezona_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for Breezona_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Bricole_27 Start: 21443, Stop: 22354, Start Num: 82
Candidate Starts for Bricole_27:
(Start: 82 @21443 has 21 MA's), (Start: 143 @21545 has 1 MA's), (156, 21563), (161, 21578), (208, 21650), (213, 21659), (267, 21737), (348, 21872), (349, 21875), (350, 21878), (395, 21947), (417, 21989), (421, 21995), (503, 22136), (513, 22157), (517, 22169), (608, 22292), (617, 22304),

Gene: BritBrat_19 Start: 16661, Stop: 17569, Start Num: 147
Candidate Starts for BritBrat_19:
(Start: 147 @16661 has 26 MA's), (175, 16718), (261, 16853), (273, 16868), (275, 16871), (303, 16922), (387, 17030), (414, 17078), (426, 17102), (437, 17120), (441, 17126), (465, 17162), (533, 17318), (560, 17345), (569, 17357), (578, 17372), (607, 17417), (618, 17435), (623, 17444), (645, 17480), (646, 17483), (660, 17519), (661, 17525), (663, 17531),

Gene: Bromden_18 Start: 16160, Stop: 17047, Start Num: 89
Candidate Starts for Bromden_18:
(Start: 89 @16160 has 84 MA's), (111, 16184), (123, 16211), (Start: 124 @16214 has 2 MA's), (130, 16229), (150, 16262), (208, 16358), (299, 16493), (304, 16502), (350, 16565), (401, 16643), (410, 16658), (421, 16682), (467, 16751), (479, 16775), (489, 16793), (494, 16805), (523, 16871), (549, 16919), (573, 16946), (641, 17030),

Gene: BruceB_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for BruceB_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: BrutonGaster_35 Start: 25054, Stop: 25935, Start Num: 69
Candidate Starts for BrutonGaster_35:
(48, 25015), (58, 25036), (Start: 69 @25054 has 12 MA's), (108, 25102), (158, 25201), (250, 25333), (316, 25444), (350, 25498), (369, 25522), (376, 25537), (455, 25633), (495, 25681), (510, 25699), (594, 25846), (626, 25894), (628, 25897),

Gene: Bryce_22 Start: 15454, Stop: 16326, Start Num: 97
Candidate Starts for Bryce_22:
(Start: 97 @15454 has 85 MA's), (120, 15493), (161, 15574), (163, 15580), (Start: 207 @15649 has 1 MA's), (260, 15727), (277, 15754), (350, 15865), (434, 15961), (548, 16090), (559, 16108), (596, 16165), (607, 16177), (668, 16315),

Gene: Bryler_21 Start: 15211, Stop: 16350, Start Num: 24
Candidate Starts for Bryler_21:
(Start: 24 @15211 has 231 MA's), (59, 15331), (120, 15421), (157, 15490), (268, 15691), (413, 15916), (454, 15976), (477, 15997), (516, 16069), (517, 16072), (518, 16075), (565, 16162), (581, 16186), (634, 16264), (642, 16279), (658, 16318), (663, 16336),

Gene: Brylie_21 Start: 16293, Stop: 17354, Start Num: 53
Candidate Starts for Brylie_21:
(Start: 53 @16293 has 18 MA's), (Start: 84 @16338 has 25 MA's), (Start: 109 @16368 has 8 MA's), (164, 16476), (252, 16626), (272, 16674), (323, 16758), (328, 16767), (354, 16809), (468, 16986), (487, 17019), (508, 17055), (619, 17250), (657, 17322), (658, 17325),

Gene: Bud_27 Start: 19742, Stop: 20764, Start Num: 90
Candidate Starts for Bud_27:
(Start: 90 @19742 has 231 MA's), (Start: 124 @19799 has 2 MA's), (161, 19874), (248, 20003), (281, 20063), (318, 20123), (327, 20129), (350, 20171), (379, 20216), (382, 20222), (428, 20306), (450, 20339), (607, 20621), (614, 20630), (621, 20645), (659, 20711),

Gene: Buggaboo_41 Start: 29704, Stop: 30621, Start Num: 106
Candidate Starts for Buggaboo_41:
(Start: 106 @29704 has 6 MA's), (Start: 143 @29785 has 1 MA's), (162, 29821), (217, 29911), (248, 29968), (386, 30202), (410, 30229), (433, 30280), (488, 30373), (549, 30490), (613, 30586), (617, 30592), (625, 30607),

Gene: Bugsy_29 Start: 19683, Stop: 20699, Start Num: 90
Candidate Starts for Bugsy_29:
(Start: 90 @19683 has 231 MA's), (137, 19758), (149, 19776), (164, 19812), (188, 19851), (327, 20058), (349, 20097), (350, 20100), (402, 20187), (499, 20367), (548, 20469), (596, 20544), (607, 20556),

Gene: Bunnybear_17 Start: 16957, Stop: 17784, Start Num: 174
Candidate Starts for Bunnybear_17:

(Start: 174 @16957 has 36 MA's), (287, 17152), (290, 17158), (295, 17173), (340, 17236), (377, 17293), (382, 17302), (402, 17338), (408, 17347), (477, 17452), (629, 17704),

Gene: C3_25 Start: 19185, Stop: 20195, Start Num: 90
Candidate Starts for C3_25:
(Start: 90 @19185 has 231 MA's), (Start: 124 @19239 has 2 MA's), (137, 19260), (149, 19278), (256, 19449), (327, 19560), (349, 19599), (350, 19602), (379, 19647), (428, 19737), (536, 19950), (548, 19965), (596, 20040), (607, 20052), (621, 20076), (659, 20142),

Gene: C3PO_30 Start: 27616, Stop: 28482, Start Num: 90
Candidate Starts for C3PO_30:
(Start: 90 @27616 has 231 MA's), (110, 27640), (127, 27685), (158, 27745), (180, 27784), (235, 27880), (327, 28042), (345, 28075), (410, 28150), (421, 28174), (495, 28249), (522, 28315), (549, 28351), (568, 28378), (603, 28435),

Gene: CLED96_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for CLED96_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: CRB1_27 Start: 19176, Stop: 20186, Start Num: 90
Candidate Starts for CRB1_27:
(Start: 90 @19176 has 231 MA's), (Start: 124 @19230 has 2 MA's), (149, 19269), (188, 19344), (281, 19485), (327, 19551), (349, 19590), (350, 19593), (480, 19821), (548, 19956), (561, 19977), (596, 20031), (607, 20043), (659, 20133),

Gene: CREW_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for CREW_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Cafasso_18 Start: 15643, Stop: 16551, Start Num: 83
Candidate Starts for Cafasso_18:
(6, 15190), (Start: 83 @15643 has 5 MA's), (Start: 106 @15670 has 6 MA's), (123, 15703), (173, 15805), (193, 15832), (208, 15856), (281, 15958), (299, 15991), (327, 16021), (348, 16057), (350, 16063), (356, 16072), (428, 16150), (457, 16180), (461, 16186), (470, 16201), (537, 16306), (585, 16372), (649, 16471), (661, 16504), (668, 16540),

Gene: Cain_21 Start: 15199, Stop: 16338, Start Num: 24
Candidate Starts for Cain_21:
(Start: 24 @15199 has 231 MA's), (59, 15319), (120, 15409), (157, 15478), (268, 15679), (413, 15904), (454, 15964), (477, 15985), (516, 16057), (517, 16060), (518, 16063), (565, 16150), (581, 16174), (634, 16252), (642, 16267), (658, 16306), (663, 16324),

Gene: Caitlin_22 Start: 17633, Stop: 18655, Start Num: 97
Candidate Starts for Caitlin_22:
(Start: 97 @17633 has 85 MA's), (161, 17756), (163, 17762), (208, 17834), (281, 17939), (294, 17966), (350, 18056), (465, 18257), (479, 18287), (480, 18290), (596, 18500), (623, 18539), (652, 18587), (659, 18602),

Gene: CallaLilly_22 Start: 15974, Stop: 17110, Start Num: 24
Candidate Starts for CallaLilly_22:
(Start: 24 @15974 has 231 MA's), (59, 16091), (120, 16181), (129, 16202), (138, 16223), (157, 16250), (300, 16505), (352, 16586), (395, 16661), (413, 16676), (495, 16787), (516, 16829), (565, 16922), (581, 16946), (642, 17039), (658, 17078), (663, 17096),

Gene: Calm_17 Start: 15861, Stop: 16760, Start Num: 74
Candidate Starts for Calm_17:
(Start: 74 @15861 has 10 MA's), (Start: 89 @15879 has 84 MA's), (111, 15903), (Start: 124 @15933 has 2 MA's), (130, 15948), (150, 15981), (251, 16125), (296, 16206), (349, 16281), (350, 16284), (354, 16290), (382, 16335), (401, 16362), (417, 16395), (421, 16401), (445, 16434), (451, 16443), (467, 16470), (523, 16590), (549, 16638), (613, 16704), (617, 16710), (641, 16749),

Gene: Cambiare_18 Start: 16198, Stop: 17379, Start Num: 25
Candidate Starts for Cambiare_18:
(Start: 25 @16198 has 2 MA's), (59, 16327), (Start: 70 @16345 has 13 MA's), (Start: 109 @16396 has 8 MA's), (120, 16420), (138, 16462), (140, 16465), (156, 16486), (159, 16495), (175, 16531), (202, 16567), (205, 16573), (214, 16591), (248, 16642), (326, 16777), (358, 16831), (393, 16891), (495, 17056), (516, 17098), (554, 17176), (619, 17272), (621, 17275), (656, 17341),

Gene: Camri_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Camri_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Candra_30 Start: 19002, Stop: 20015, Start Num: 90
Candidate Starts for Candra_30:
(Start: 90 @19002 has 231 MA's), (Start: 124 @19056 has 2 MA's), (149, 19095), (208, 19200), (299, 19347), (327, 19377), (349, 19416), (350, 19419), (379, 19464), (412, 19524), (516, 19722), (607, 19872), (614, 19881), (659, 19962),

Gene: Caprice_46 Start: 25826, Stop: 26788, Start Num: 89
Candidate Starts for Caprice_46:
(Start: 89 @25826 has 84 MA's), (161, 25958), (175, 25982), (182, 25991), (185, 25997), (192, 26006), (208, 26030), (213, 26039), (219, 26051), (294, 26177), (341, 26258), (350, 26273), (354, 26279), (417, 26387), (493, 26513), (497, 26519), (527, 26594), (582, 26669), (586, 26675), (593, 26687), (594, 26690), (651, 26777), (653, 26780), (655, 26783),

Gene: Capricorn_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Capricorn_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: CaptainKirk2_18 Start: 15817, Stop: 16677, Start Num: 73
Candidate Starts for CaptainKirk2_18:
(Start: 66 @15811 has 10 MA's), (Start: 73 @15817 has 24 MA's), (161, 15973), (209, 16054), (280, 16153), (352, 16261), (425, 16345), (477, 16411), (510, 16456), (562, 16546), (594, 16588),

Gene: Caraxes_26 Start: 17822, Stop: 18838, Start Num: 90
Candidate Starts for Caraxes_26:
(Start: 90 @17822 has 231 MA's), (145, 17915), (155, 17930), (164, 17957), (327, 18203), (349, 18242), (350, 18245), (379, 18290), (428, 18380), (480, 18473), (499, 18506), (548, 18608), (583, 18659), (596, 18683), (607, 18695), (621, 18719), (659, 18785),

Gene: Cardigan_46 Start: 29891, Stop: 30787, Start Num: 61
Candidate Starts for Cardigan_46:
(Start: 61 @29891 has 2 MA's), (120, 29978), (156, 30044), (161, 30059), (278, 30236), (316, 30293), (350, 30347), (369, 30371), (445, 30470), (455, 30488), (495, 30536), (510, 30554), (518, 30578), (626, 30746),

Gene: CarolAnn_18 Start: 15760, Stop: 16620, Start Num: 73
Candidate Starts for CarolAnn_18:
(Start: 66 @15754 has 10 MA's), (Start: 73 @15760 has 24 MA's), (161, 15916), (209, 15997), (280, 16096), (352, 16204), (425, 16288), (477, 16354), (480, 16360), (562, 16489), (594, 16531),

Gene: CaseJules_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for CaseJules_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Cashline_19 Start: 16485, Stop: 17393, Start Num: 147
Candidate Starts for Cashline_19:
(Start: 147 @16485 has 26 MA's), (175, 16542), (261, 16677), (273, 16692), (275, 16695), (303, 16746), (387, 16854), (426, 16926), (441, 16950), (465, 16986), (533, 17142), (560, 17169), (569, 17181), (578, 17196), (607, 17241), (618, 17259), (623, 17268), (645, 17304), (646, 17307), (660, 17343), (661, 17349), (663, 17355),

Gene: CassieYates_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for CassieYates_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Catalina_28 Start: 20528, Stop: 21541, Start Num: 90
Candidate Starts for Catalina_28:
(Start: 90 @20528 has 231 MA's), (Start: 106 @20546 has 6 MA's), (137, 20603), (149, 20621), (164, 20657), (281, 20837), (299, 20873), (327, 20903), (350, 20945), (440, 21104), (516, 21248), (548, 21311), (596, 21386), (607, 21398), (621, 21422),

Gene: Cedasite_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Cedasite_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Celestialunch_27 Start: 18672, Stop: 19694, Start Num: 90

Candidate Starts for Celestialunch_27:
(Start: 90 @18672 has 231 MA's), (137, 18747), (149, 18765), (164, 18801), (248, 18921), (281, 18981), (299, 19017), (327, 19047), (350, 19089), (432, 19239), (466, 19290), (489, 19335), (492, 19341), (516, 19401), (529, 19437), (607, 19551),

Gene: Centaur_29 Start: 19640, Stop: 20656, Start Num: 90
Candidate Starts for Centaur_29:
(Start: 90 @19640 has 231 MA's), (137, 19715), (149, 19733), (164, 19769), (188, 19808), (299, 19985), (327, 20015), (349, 20054), (350, 20057), (607, 20513), (621, 20537),

Gene: ChadMasterC_34 Start: 30723, Stop: 31679, Start Num: 71
Candidate Starts for ChadMasterC_34:
(Start: 71 @30723 has 52 MA's), (175, 30909), (183, 30921), (204, 30948), (214, 30969), (262, 31029), (319, 31116), (322, 31119), (343, 31155), (366, 31188), (373, 31203), (381, 31215), (398, 31245), (400, 31251), (443, 31311), (498, 31401), (539, 31491), (554, 31515), (563, 31527), (605, 31593), (631, 31632), (637, 31644),

Gene: Chadwick_24 Start: 17936, Stop: 18949, Start Num: 97
Candidate Starts for Chadwick_24:
(Start: 97 @17936 has 85 MA's), (149, 18032), (163, 18065), (164, 18068), (188, 18107), (281, 18242), (296, 18272), (318, 18302), (327, 18308), (336, 18326), (350, 18350), (377, 18392), (607, 18806), (659, 18896),

Gene: Chance64_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Chance64_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Chancellor_23 Start: 17500, Stop: 18633, Start Num: 24
Candidate Starts for Chancellor_23:
(Start: 24 @17500 has 231 MA's), (29, 17518), (46, 17590), (59, 17620), (120, 17710), (138, 17752), (156, 17776), (214, 17881), (300, 18034), (348, 18103), (350, 18109), (455, 18262), (477, 18280), (495, 18310), (516, 18352), (517, 18355), (642, 18562), (658, 18601), (663, 18619),

Gene: Changeling_29 Start: 21010, Stop: 22023, Start Num: 90
Candidate Starts for Changeling_29:
(Start: 90 @21010 has 231 MA's), (149, 21103), (164, 21139), (188, 21178), (327, 21385), (349, 21424), (350, 21427), (379, 21472), (480, 21658), (499, 21691), (516, 21730), (607, 21880),

Gene: Chargerpower_27 Start: 18273, Stop: 19295, Start Num: 90
Candidate Starts for Chargerpower_27:
(Start: 90 @18273 has 231 MA's), (Start: 106 @18291 has 6 MA's), (149, 18366), (164, 18402), (188, 18441), (248, 18522), (281, 18582), (327, 18648), (350, 18690), (472, 18900), (489, 18936), (607, 19152), (614, 19161), (659, 19242),

Gene: Charm_27 Start: 18681, Stop: 19703, Start Num: 90
Candidate Starts for Charm_27:
(Start: 90 @18681 has 231 MA's), (Start: 106 @18699 has 6 MA's), (Start: 124 @18735 has 2 MA's), (149, 18774), (281, 18990), (299, 19026), (327, 19056), (350, 19098), (379, 19143), (432, 19248), (476, 19320), (489, 19344), (492, 19350), (596, 19548), (607, 19560), (614, 19569), (621, 19584),

(659, 19650),

Gene: Charming_34 Start: 29358, Stop: 30314, Start Num: 71
Candidate Starts for Charming_34:
(Start: 71 @29358 has 52 MA's), (175, 29544), (183, 29556), (204, 29583), (214, 29604), (262, 29664), (322, 29754), (343, 29790), (366, 29823), (373, 29838), (381, 29850), (398, 29880), (400, 29886), (443, 29946), (498, 30036), (539, 30126), (554, 30150), (563, 30162), (605, 30228), (616, 30243), (631, 30267), (637, 30279), (650, 30309),

Gene: Chartreuse_30 Start: 18913, Stop: 19926, Start Num: 90
Candidate Starts for Chartreuse_30:
(Start: 90 @18913 has 231 MA's), (Start: 124 @18967 has 2 MA's), (149, 19006), (208, 19111), (299, 19258), (327, 19288), (349, 19327), (350, 19330), (379, 19375), (412, 19435), (516, 19633), (607, 19783), (614, 19792),

Gene: Chaser_17 Start: 15760, Stop: 16647, Start Num: 89
Candidate Starts for Chaser_17:
(Start: 89 @15760 has 84 MA's), (111, 15784), (123, 15811), (Start: 124 @15814 has 2 MA's), (130, 15829), (150, 15862), (208, 15958), (299, 16093), (304, 16102), (349, 16162), (350, 16165), (401, 16243), (410, 16258), (421, 16282), (451, 16324), (467, 16351), (479, 16375), (489, 16393), (513, 16444), (523, 16471), (549, 16519), (573, 16546), (641, 16630),

Gene: Chavito_22 Start: 15385, Stop: 16524, Start Num: 24
Candidate Starts for Chavito_22:
(Start: 24 @15385 has 231 MA's), (59, 15505), (120, 15595), (157, 15664), (213, 15763), (214, 15766), (268, 15865), (300, 15919), (352, 16000), (395, 16075), (413, 16090), (495, 16201), (516, 16243), (539, 16297), (565, 16336), (581, 16360), (621, 16420), (634, 16438), (642, 16453), (658, 16492), (663, 16510),

Gene: Che12_29 Start: 18081, Stop: 19091, Start Num: 90
Candidate Starts for Che12_29:
(Start: 90 @18081 has 231 MA's), (149, 18174), (164, 18210), (302, 18432), (327, 18456), (349, 18495), (350, 18498), (428, 18633), (480, 18726), (607, 18948), (621, 18972), (659, 19038),

Gene: CheeseSpider_21 Start: 16153, Stop: 17019, Start Num: 66
Candidate Starts for CheeseSpider_21:
(Start: 66 @16153 has 10 MA's), (Start: 73 @16159 has 24 MA's), (161, 16315), (164, 16324), (209, 16396), (280, 16495), (352, 16603), (425, 16687), (477, 16753), (562, 16888), (594, 16930),

Gene: CheetoDust_22 Start: 16028, Stop: 17164, Start Num: 24
Candidate Starts for CheetoDust_22:
(Start: 24 @16028 has 231 MA's), (59, 16145), (120, 16235), (129, 16256), (138, 16277), (157, 16304), (300, 16559), (352, 16640), (395, 16715), (413, 16730), (495, 16841), (516, 16883), (565, 16976), (581, 17000), (642, 17093), (658, 17132), (663, 17150),

Gene: Cheetobro_23 Start: 17497, Stop: 18630, Start Num: 24
Candidate Starts for Cheetobro_23:
(Start: 24 @17497 has 231 MA's), (29, 17515), (46, 17587), (59, 17617), (120, 17707), (138, 17749), (156, 17773), (214, 17878), (300, 18031), (348, 18100), (350, 18106), (455, 18259), (477, 18277), (495, 18307), (516, 18349), (517, 18352), (642, 18559), (658, 18598), (663, 18616),

Gene: CherryCola_34 Start: 25854, Stop: 26798, Start Num: 77
Candidate Starts for CherryCola_34:

(Start: 77 @25854 has 34 MA's), (137, 25959), (170, 26028), (175, 26034), (194, 26058), (204, 26073), (443, 26433), (454, 26448), (471, 26466), (520, 26568), (539, 26610), (563, 26646), (624, 26742), (650, 26793),

Gene: Cherrybomb426_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Cherrybomb426_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: ChewyVIII_55 Start: 37234, Stop: 38175, Start Num: 102
Candidate Starts for ChewyVIII_55:
(Start: 102 @37234 has 1 MA's), (152, 37336), (221, 37456), (232, 37477), (248, 37507), (266, 37546), (302, 37612), (379, 37726), (431, 37828), (449, 37855), (549, 38038), (580, 38086), (601, 38125), (606, 38131),

Gene: Chickadee_31 Start: 26548, Stop: 27525, Start Num: 84
Candidate Starts for Chickadee_31:
(Start: 84 @26548 has 25 MA's), (Start: 102 @26560 has 1 MA's), (118, 26587), (140, 26635), (142, 26638), (164, 26689), (215, 26767), (260, 26863), (299, 26935), (385, 27064), (401, 27097), (419, 27133), (518, 27319), (532, 27349), (550, 27376), (573, 27412), (593, 27445), (640, 27514),

Gene: ChipMunk_29 Start: 19587, Stop: 20603, Start Num: 90
Candidate Starts for ChipMunk_29:
(Start: 90 @19587 has 231 MA's), (137, 19662), (149, 19680), (164, 19716), (188, 19755), (327, 19962), (349, 20001), (350, 20004), (402, 20091), (499, 20271), (548, 20373), (596, 20448), (607, 20460),

Gene: Chop_21 Start: 16827, Stop: 17888, Start Num: 53
Candidate Starts for Chop_21:
(Start: 53 @16827 has 18 MA's), (Start: 84 @16872 has 25 MA's), (Start: 109 @16902 has 8 MA's), (164, 17010), (252, 17160), (272, 17208), (323, 17292), (328, 17301), (354, 17343), (468, 17520), (508, 17589), (596, 17751), (619, 17784), (657, 17856), (658, 17859),

Gene: Chris_21 Start: 15243, Stop: 16379, Start Num: 24
Candidate Starts for Chris_21:
(Start: 24 @15243 has 231 MA's), (59, 15360), (Start: 70 @15378 has 13 MA's), (129, 15471), (157, 15519), (268, 15720), (332, 15819), (343, 15840), (394, 15927), (413, 15945), (455, 16008), (480, 16032), (495, 16056), (516, 16098), (517, 16101), (539, 16152), (565, 16191), (642, 16308), (653, 16335), (658, 16347), (663, 16365),

Gene: ChutneyChips_16 Start: 15804, Stop: 16640, Start Num: 123
Candidate Starts for ChutneyChips_16:
(Start: 89 @15753 has 84 MA's), (111, 15777), (123, 15804), (Start: 124 @15807 has 2 MA's), (130, 15822), (150, 15855), (208, 15951), (299, 16086), (304, 16095), (349, 16155), (350, 16158), (401, 16236), (410, 16251), (421, 16275), (445, 16308), (467, 16344), (479, 16368), (489, 16386), (513, 16437), (523, 16464), (549, 16512), (573, 16539), (641, 16623),

Gene: CicholasNage_17 Start: 15849, Stop: 16748, Start Num: 74
Candidate Starts for CicholasNage_17:

(Start: 74 @15849 has 10 MA's), (Start: 89 @15867 has 84 MA's), (111, 15891), (Start: 124 @15921 has 2 MA's), (130, 15936), (150, 15969), (251, 16113), (296, 16194), (349, 16269), (350, 16272), (354, 16278), (382, 16323), (401, 16350), (417, 16383), (421, 16389), (445, 16422), (451, 16431), (467, 16458), (523, 16578), (549, 16626), (613, 16692), (617, 16698), (641, 16737),

Gene: ClamChowder_32 Start: 25634, Stop: 26578, Start Num: 77
Candidate Starts for ClamChowder_32:
(Start: 77 @25634 has 34 MA's), (137, 25739), (170, 25808), (175, 25814), (194, 25838), (204, 25853), (443, 26213), (454, 26228), (471, 26246), (520, 26348), (539, 26390), (563, 26426), (624, 26522), (650, 26573),

Gene: Clap_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for Clap_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: Clark_19 Start: 16513, Stop: 17349, Start Num: 166
Candidate Starts for Clark_19:
(Start: 166 @16513 has 45 MA's), (Start: 174 @16522 has 36 MA's), (204, 16564), (221, 16597), (228, 16612), (290, 16723), (292, 16729), (320, 16768), (353, 16822), (379, 16861), (402, 16903), (426, 16933), (430, 16942), (511, 17092), (555, 17182), (629, 17269),

Gene: Clarkson_50 Start: 26438, Stop: 27400, Start Num: 89
Candidate Starts for Clarkson_50:
(Start: 89 @26438 has 84 MA's), (161, 26570), (175, 26594), (182, 26603), (185, 26609), (192, 26618), (208, 26642), (213, 26651), (219, 26663), (227, 26675), (294, 26789), (341, 26870), (350, 26885), (354, 26891), (417, 26999), (493, 27125), (497, 27131), (527, 27206), (582, 27281), (586, 27287), (593, 27299), (594, 27302), (651, 27389), (653, 27392), (655, 27395),

Gene: Claus_17 Start: 16055, Stop: 16969, Start Num: 89
Candidate Starts for Claus_17:
(Start: 89 @16055 has 84 MA's), (111, 16079), (Start: 124 @16109 has 2 MA's), (164, 16190), (197, 16235), (348, 16460), (349, 16463), (350, 16466), (370, 16496), (405, 16553), (421, 16583), (467, 16652), (476, 16670), (513, 16745), (517, 16757), (549, 16820), (573, 16847), (617, 16910), (641, 16949), (649, 16961),

Gene: Clautastrophe_18 Start: 16490, Stop: 17380, Start Num: 89
Candidate Starts for Clautastrophe_18:
(Start: 89 @16490 has 84 MA's), (111, 16514), (130, 16559), (137, 16574), (150, 16595), (208, 16691), (299, 16826), (304, 16835), (349, 16895), (350, 16898), (354, 16904), (401, 16976), (417, 17009), (423, 17021), (467, 17084), (494, 17138), (505, 17159), (525, 17210), (549, 17252), (641, 17363), (643, 17366),

Gene: Clipper_22 Start: 16028, Stop: 17164, Start Num: 24
Candidate Starts for Clipper_22:
(Start: 24 @16028 has 231 MA's), (59, 16145), (120, 16235), (129, 16256), (138, 16277), (157, 16304), (300, 16559), (352, 16640), (395, 16715), (413, 16730), (495, 16841), (516, 16883), (565, 16976), (581, 17000), (642, 17093), (658, 17132), (663, 17150),

Gene: CloudWang3_30 Start: 18960, Stop: 19976, Start Num: 90
Candidate Starts for CloudWang3_30:

(Start: 90 @18960 has 231 MA's), (Start: 106 @18978 has 6 MA's), (Start: 124 @19014 has 2 MA's), (149, 19053), (208, 19158), (327, 19335), (349, 19374), (350, 19377), (402, 19464), (412, 19485), (480, 19611), (516, 19683), (607, 19833), (614, 19842), (659, 19923),

Gene: Cloudyecho_17 Start: 15656, Stop: 16834, Start Num: 24
Candidate Starts for Cloudyecho_17:
(4, 15257), (5, 15317), (Start: 24 @15656 has 231 MA's), (Start: 70 @15800 has 13 MA's), (Start: 109 @15851 has 8 MA's), (138, 15917), (140, 15920), (159, 15950), (202, 16022), (243, 16091), (248, 16097), (326, 16232), (358, 16286), (393, 16346), (464, 16454), (495, 16511), (516, 16553), (619, 16727), (621, 16730), (642, 16763), (656, 16796),

Gene: Clown_34 Start: 27669, Stop: 28601, Start Num: 77
Candidate Starts for Clown_34:
(Start: 77 @27669 has 34 MA's), (Start: 86 @27678 has 6 MA's), (120, 27726), (137, 27765), (161, 27810), (175, 27840), (194, 27864), (204, 27879), (251, 27936), (322, 28053), (324, 28056), (443, 28236), (520, 28371), (534, 28407), (539, 28413), (563, 28449), (600, 28509), (605, 28515), (612, 28524), (624, 28545),

Gene: ClubL_47 Start: 28631, Stop: 29512, Start Num: 69
Candidate Starts for ClubL_47:
(Start: 69 @28631 has 12 MA's), (108, 28679), (120, 28706), (158, 28778), (196, 28844), (213, 28874), (288, 28982), (350, 29075), (369, 29099), (376, 29114), (455, 29210), (495, 29258), (604, 29438), (628, 29474),

Gene: CoffeeBean_44 Start: 30363, Stop: 31289, Start Num: 103
Candidate Starts for CoffeeBean_44:
(Start: 103 @30363 has 5 MA's), (Start: 124 @30399 has 2 MA's), (186, 30516), (212, 30555), (221, 30573), (248, 30624), (299, 30723), (350, 30798), (356, 30807), (401, 30882), (411, 30903), (488, 31041), (502, 31077), (518, 31116), (549, 31158), (590, 31221), (613, 31254),

Gene: CogOmlette_25 Start: 18587, Stop: 19609, Start Num: 90
Candidate Starts for CogOmlette_25:
(Start: 90 @18587 has 231 MA's), (Start: 106 @18605 has 6 MA's), (Start: 124 @18641 has 2 MA's), (137, 18662), (149, 18680), (208, 18785), (299, 18932), (327, 18962), (350, 19004), (412, 19109), (432, 19154), (463, 19199), (489, 19250), (492, 19256), (495, 19265), (548, 19379), (583, 19430), (596, 19454), (607, 19466), (659, 19556),

Gene: Coleslaw_17 Start: 15468, Stop: 16640, Start Num: 24
Candidate Starts for Coleslaw_17:
(5, 15135), (Start: 24 @15468 has 231 MA's), (59, 15588), (Start: 70 @15606 has 13 MA's), (107, 15651), (Start: 109 @15657 has 8 MA's), (137, 15720), (159, 15756), (201, 15825), (202, 15828), (213, 15849), (248, 15903), (268, 15948), (289, 15978), (350, 16080), (358, 16092), (368, 16104), (377, 16122), (477, 16287), (495, 16317), (508, 16335), (516, 16359), (583, 16479), (642, 16569), (656, 16602),

Gene: Colin_31 Start: 20885, Stop: 21898, Start Num: 90
Candidate Starts for Colin_31:
(Start: 90 @20885 has 231 MA's), (Start: 106 @20903 has 6 MA's), (137, 20960), (149, 20978), (164, 21014), (188, 21053), (327, 21260), (349, 21299), (350, 21302), (379, 21347), (412, 21407), (428, 21440), (479, 21530), (480, 21533), (499, 21566), (607, 21755), (614, 21764),

Gene: Collard_20 Start: 16380, Stop: 17510, Start Num: 28
Candidate Starts for Collard_20:

(Start: 28 @16380 has 23 MA's), (107, 16554), (137, 16620), (138, 16623), (157, 16650), (213, 16749), (268, 16851), (300, 16905), (324, 16935), (343, 16971), (345, 16974), (350, 16983), (394, 17058), (395, 17061), (430, 17097), (455, 17139), (477, 17157), (480, 17163), (495, 17187), (496, 17190), (516, 17229), (642, 17439), (658, 17478), (663, 17496),

Gene: Colleen_18 Start: 16550, Stop: 17428, Start Num: 76
Candidate Starts for Colleen_18:
(Start: 76 @16550 has 5 MA's), (Start: 78 @16553 has 8 MA's), (130, 16637), (208, 16775), (430, 17063),

Gene: Colossa_19 Start: 15551, Stop: 16441, Start Num: 83
Candidate Starts for Colossa_19:
(Start: 83 @15551 has 5 MA's), (100, 15569), (Start: 124 @15611 has 2 MA's), (130, 15626), (154, 15668), (208, 15761), (293, 15881), (299, 15896), (327, 15926), (348, 15962), (356, 15977), (457, 16085), (461, 16091), (475, 16115), (585, 16265), (649, 16361), (667, 16421),

Gene: Commandaria_42 Start: 30197, Stop: 31138, Start Num: 106
Candidate Starts for Commandaria_42:
(Start: 106 @30197 has 6 MA's), (Start: 143 @30284 has 1 MA's), (160, 30314), (186, 30359), (248, 30467), (356, 30650), (410, 30731), (411, 30737), (425, 30764), (531, 30980), (549, 31007), (613, 31103),

Gene: Confidence_19 Start: 16655, Stop: 17563, Start Num: 147
Candidate Starts for Confidence_19:
(Start: 147 @16655 has 26 MA's), (175, 16712), (261, 16847), (273, 16862), (275, 16865), (303, 16916), (387, 17024), (414, 17072), (426, 17096), (437, 17114), (441, 17120), (465, 17156), (533, 17312), (560, 17339), (569, 17351), (578, 17366), (607, 17411), (623, 17438), (645, 17474), (646, 17477), (660, 17513), (661, 17519), (663, 17525),

Gene: Conquerage_28 Start: 20557, Stop: 21570, Start Num: 90
Candidate Starts for Conquerage_28:
(Start: 90 @20557 has 231 MA's), (Start: 106 @20575 has 6 MA's), (137, 20632), (149, 20650), (164, 20686), (281, 20866), (299, 20902), (327, 20932), (350, 20974), (440, 21133), (516, 21277), (548, 21340), (596, 21415), (607, 21427), (621, 21451),

Gene: Conspiracy_23 Start: 18474, Stop: 19487, Start Num: 97
Candidate Starts for Conspiracy_23:
(Start: 97 @18474 has 85 MA's), (149, 18570), (163, 18603), (164, 18606), (188, 18645), (217, 18693), (327, 18846), (336, 18864), (350, 18888), (377, 18930), (536, 19242), (607, 19344), (623, 19371),

Gene: Coog_23 Start: 18617, Stop: 19630, Start Num: 97
Candidate Starts for Coog_23:
(Start: 97 @18617 has 85 MA's), (149, 18713), (163, 18746), (164, 18749), (188, 18788), (281, 18923), (318, 18983), (327, 18989), (336, 19007), (350, 19031), (377, 19073), (536, 19385), (607, 19487), (623, 19514), (659, 19577),

Gene: Cookiedough_30 Start: 18959, Stop: 19972, Start Num: 90
Candidate Starts for Cookiedough_30:
(Start: 90 @18959 has 231 MA's), (Start: 124 @19013 has 2 MA's), (149, 19052), (208, 19157), (299, 19304), (327, 19334), (349, 19373), (350, 19376), (379, 19421), (412, 19481), (516, 19679), (607, 19829), (614, 19838),

Gene: Corazon_47 Start: 26391, Stop: 27353, Start Num: 89

Candidate Starts for Corazon_47:
(Start: 89 @26391 has 84 MA's), (161, 26523), (175, 26547), (182, 26556), (185, 26562), (192, 26571), (208, 26595), (213, 26604), (219, 26616), (227, 26628), (294, 26742), (341, 26823), (350, 26838), (354, 26844), (417, 26952), (493, 27078), (497, 27084), (527, 27159), (582, 27234), (586, 27240), (593, 27252), (594, 27255), (651, 27342), (653, 27345), (655, 27348),

Gene: CosmicSans_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for CosmicSans_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (281, 15786), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: CoveyB_32 Start: 25434, Stop: 26378, Start Num: 77
Candidate Starts for CoveyB_32:
(Start: 77 @25434 has 34 MA's), (137, 25539), (170, 25608), (175, 25614), (194, 25638), (204, 25653), (443, 26013), (454, 26028), (471, 26046), (520, 26148), (539, 26190), (563, 26226), (624, 26322), (650, 26373),

Gene: Cracklewink_23 Start: 18745, Stop: 19743, Start Num: 40
Candidate Starts for Cracklewink_23:
(Start: 40 @18745 has 6 MA's), (80, 18811), (Start: 93 @18820 has 22 MA's), (129, 18883), (137, 18901), (140, 18907), (213, 19030), (233, 19057), (234, 19060), (251, 19081), (306, 19183), (316, 19192), (332, 19219), (377, 19294), (426, 19336), (438, 19363), (495, 19432), (496, 19435), (518, 19477), (539, 19525), (545, 19534), (572, 19576), (583, 19588), (623, 19645), (658, 19714),

Gene: Crespo_17 Start: 15478, Stop: 16650, Start Num: 24
Candidate Starts for Crespo_17:
(5, 15145), (Start: 24 @15478 has 231 MA's), (59, 15598), (Start: 70 @15616 has 13 MA's), (107, 15661), (Start: 109 @15667 has 8 MA's), (137, 15730), (159, 15766), (201, 15835), (202, 15838), (213, 15859), (248, 15913), (268, 15958), (289, 15988), (350, 16090), (358, 16102), (368, 16114), (377, 16132), (477, 16297), (495, 16327), (508, 16345), (516, 16369), (583, 16489), (642, 16579), (656, 16612),

Gene: CrimD_22 Start: 15989, Stop: 17125, Start Num: 24
Candidate Starts for CrimD_22:
(Start: 24 @15989 has 231 MA's), (59, 16106), (120, 16196), (129, 16217), (138, 16238), (157, 16265), (300, 16520), (352, 16601), (395, 16676), (413, 16691), (495, 16802), (516, 16844), (565, 16937), (581, 16961), (642, 17054), (658, 17093), (663, 17111),

Gene: Crossroads_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for Crossroads_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Crucio_27 Start: 19105, Stop: 20121, Start Num: 90
Candidate Starts for Crucio_27:
(Start: 90 @19105 has 231 MA's), (137, 19180), (149, 19198), (164, 19234), (188, 19273), (327, 19480), (349, 19519), (350, 19522), (499, 19789), (548, 19891), (596, 19966), (607, 19978), (659, 20068),

Gene: Cruella_30 Start: 27616, Stop: 28482, Start Num: 90

Candidate Starts for Cruella_30:
(Start: 90 @27616 has 231 MA's), (110, 27640), (127, 27685), (158, 27745), (180, 27784), (235, 27880), (327, 28042), (345, 28075), (410, 28150), (421, 28174), (495, 28249), (522, 28315), (549, 28351), (568, 28378), (603, 28435),

Gene: Cuco_23 Start: 18647, Stop: 19660, Start Num: 97
Candidate Starts for Cuco_23:
(Start: 97 @18647 has 85 MA's), (149, 18743), (163, 18776), (164, 18779), (188, 18818), (281, 18953), (318, 19013), (327, 19019), (336, 19037), (350, 19061), (377, 19103), (536, 19415), (607, 19517), (659, 19607),

Gene: Cucurbita_49 Start: 30001, Stop: 30882, Start Num: 69
Candidate Starts for Cucurbita_49:
(Start: 69 @30001 has 12 MA's), (108, 30049), (120, 30076), (158, 30148), (196, 30214), (213, 30244), (288, 30352), (350, 30445), (369, 30469), (376, 30484), (455, 30580), (495, 30628), (604, 30808), (628, 30844),

Gene: Culver_47 Start: 28434, Stop: 29321, Start Num: 63
Candidate Starts for Culver_47:
(Start: 63 @28434 has 10 MA's), (Start: 69 @28440 has 12 MA's), (108, 28488), (120, 28515), (158, 28587), (196, 28653), (213, 28683), (288, 28791), (350, 28884), (369, 28908), (376, 28923), (455, 29019), (495, 29067), (604, 29247), (628, 29283),

Gene: Curiosium_23 Start: 15737, Stop: 16873, Start Num: 24
Candidate Starts for Curiosium_23:
(Start: 24 @15737 has 231 MA's), (59, 15854), (129, 15965), (157, 16013), (300, 16268), (305, 16274), (352, 16349), (413, 16439), (495, 16550), (516, 16592), (565, 16685), (581, 16709), (642, 16802), (658, 16841), (663, 16859),

Gene: Cynthia_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for Cynthia_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: D29_27 Start: 19042, Stop: 20052, Start Num: 90
Candidate Starts for D29_27:
(Start: 90 @19042 has 231 MA's), (Start: 124 @19096 has 2 MA's), (137, 19117), (149, 19135), (256, 19306), (327, 19417), (349, 19456), (350, 19459), (379, 19504), (548, 19822), (596, 19897), (607, 19909), (621, 19933), (659, 19999),

Gene: D32_30 Start: 19042, Stop: 20052, Start Num: 90
Candidate Starts for D32_30:
(Start: 90 @19042 has 231 MA's), (Start: 124 @19096 has 2 MA's), (137, 19117), (149, 19135), (256, 19306), (327, 19417), (349, 19456), (350, 19459), (379, 19504), (548, 19822), (596, 19897), (607, 19909), (621, 19933), (659, 19999),

Gene: DBQu4n_30 Start: 19042, Stop: 20052, Start Num: 90
Candidate Starts for DBQu4n_30:
(Start: 90 @19042 has 231 MA's), (137, 19117), (149, 19135), (256, 19306), (327, 19417), (349, 19456), (350, 19459), (379, 19504), (548, 19822), (596, 19897), (607, 19909), (621, 19933), (659, 19999),

Gene: DHan_17 Start: 15991, Stop: 16905, Start Num: 89
Candidate Starts for DHan_17:
(Start: 89 @15991 has 84 MA's), (111, 16015), (Start: 124 @16045 has 2 MA's), (164, 16126), (197, 16171), (348, 16396), (349, 16399), (350, 16402), (370, 16432), (405, 16489), (421, 16519), (467, 16588), (476, 16606), (513, 16681), (517, 16693), (549, 16756), (573, 16783), (617, 16846), (641, 16885), (649, 16897),

Gene: DMoney_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for DMoney_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: DNAIII_0017 Start: 15486, Stop: 16658, Start Num: 24
Candidate Starts for DNAIII_0017:
(5, 15153), (Start: 24 @15486 has 231 MA's), (59, 15606), (Start: 70 @15624 has 13 MA's), (107, 15669), (Start: 109 @15675 has 8 MA's), (137, 15738), (159, 15774), (201, 15843), (202, 15846), (213, 15867), (248, 15921), (268, 15966), (289, 15996), (350, 16098), (358, 16110), (368, 16122), (377, 16140), (477, 16305), (495, 16335), (508, 16353), (516, 16377), (583, 16497), (642, 16587), (656, 16620),

Gene: DaVinci_30 Start: 18967, Stop: 19980, Start Num: 90
Candidate Starts for DaVinci_30:
(Start: 90 @18967 has 231 MA's), (Start: 124 @19021 has 2 MA's), (149, 19060), (208, 19165), (299, 19312), (327, 19342), (349, 19381), (350, 19384), (379, 19429), (412, 19489), (516, 19687), (607, 19837), (614, 19846),

Gene: Dadosky_20 Start: 16302, Stop: 17432, Start Num: 28
Candidate Starts for Dadosky_20:
(Start: 28 @16302 has 23 MA's), (107, 16476), (137, 16542), (157, 16572), (213, 16671), (268, 16773), (300, 16827), (324, 16857), (343, 16893), (345, 16896), (350, 16905), (394, 16980), (395, 16983), (424, 17004), (430, 17019), (455, 17061), (477, 17079), (480, 17085), (495, 17109), (496, 17112), (516, 17151), (571, 17253), (642, 17361), (658, 17400), (663, 17418),

Gene: Daegal_22 Start: 16606, Stop: 17700, Start Num: 49
Candidate Starts for Daegal_22:
(Start: 49 @16606 has 22 MA's), (52, 16615), (117, 16711), (Start: 124 @16720 has 2 MA's), (127, 16729), (157, 16780), (159, 16786), (216, 16882), (226, 16900), (258, 16969), (263, 16978), (272, 16999), (276, 17005), (280, 17011), (282, 17014), (323, 17086), (325, 17089), (428, 17245), (460, 17296), (463, 17314), (498, 17386), (510, 17404), (547, 17488), (565, 17515), (567, 17518), (593, 17554), (604, 17572), (634, 17614), (642, 17629), (644, 17632), (656, 17662), (658, 17668),

Gene: Dalilpop_45 Start: 31200, Stop: 32117, Start Num: 105
Candidate Starts for Dalilpop_45:
(2, 30261), (Start: 105 @31200 has 26 MA's), (Start: 143 @31278 has 1 MA's), (232, 31431), (299, 31560), (341, 31623), (411, 31731), (549, 31986), (595, 32061), (613, 32082),

Gene: Dalmatian_27 Start: 19252, Stop: 20268, Start Num: 90
Candidate Starts for Dalmatian_27:
(Start: 90 @19252 has 231 MA's), (137, 19327), (149, 19345), (164, 19381), (188, 19420), (327, 19627), (349, 19666), (350, 19669), (499, 19936), (548, 20038), (596, 20113), (607, 20125), (659,

20215), (660, 20218),

Gene: Dalmuri_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Dalmuri_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: DanBing_16 Start: 15895, Stop: 16809, Start Num: 89
Candidate Starts for DanBing_16:
(Start: 89 @15895 has 84 MA's), (111, 15919), (Start: 124 @15949 has 2 MA's), (164, 16030), (197, 16075), (348, 16300), (349, 16303), (350, 16306), (370, 16336), (405, 16393), (421, 16423), (467, 16492), (476, 16510), (513, 16585), (517, 16597), (549, 16660), (573, 16687), (617, 16750), (641, 16789), (649, 16801),

Gene: DanSyl44_24 Start: 17503, Stop: 18636, Start Num: 24
Candidate Starts for DanSyl44_24:
(Start: 24 @17503 has 231 MA's), (29, 17521), (46, 17593), (59, 17623), (120, 17713), (138, 17755), (156, 17779), (214, 17884), (300, 18037), (348, 18106), (350, 18112), (455, 18265), (477, 18283), (495, 18313), (516, 18355), (517, 18358), (634, 18550), (642, 18565), (658, 18604), (663, 18622),

Gene: Danforth_22 Start: 17615, Stop: 18637, Start Num: 97
Candidate Starts for Danforth_22:
(Start: 97 @17615 has 85 MA's), (161, 17738), (163, 17744), (208, 17816), (281, 17921), (294, 17948), (350, 18038), (465, 18239), (479, 18269), (480, 18272), (596, 18482), (623, 18521), (652, 18569), (659, 18584),

Gene: Danyall_32 Start: 25434, Stop: 26378, Start Num: 77
Candidate Starts for Danyall_32:
(Start: 77 @25434 has 34 MA's), (137, 25539), (170, 25608), (175, 25614), (194, 25638), (204, 25653), (443, 26013), (454, 26028), (471, 26046), (520, 26148), (539, 26190), (563, 26226), (624, 26322), (650, 26373),

Gene: Daredevil_28 Start: 24544, Stop: 25425, Start Num: 63
Candidate Starts for Daredevil_28:
(Start: 63 @24544 has 10 MA's), (120, 24619), (155, 24682), (158, 24691), (161, 24700), (248, 24820), (280, 24880), (350, 24988), (455, 25123), (495, 25171), (530, 25246), (562, 25294), (598, 25342), (604, 25351),

Gene: Darionha_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Darionha_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Darrell_29 Start: 20724, Stop: 21746, Start Num: 90
Candidate Starts for Darrell_29:
(Start: 90 @20724 has 231 MA's), (Start: 106 @20742 has 6 MA's), (120, 20769), (137, 20799), (149, 20817), (281, 21033), (299, 21069), (327, 21099), (350, 21141), (432, 21291), (440, 21300), (489, 21387), (516, 21453), (596, 21591), (607, 21603), (614, 21612), (621, 21627),

Gene: DartGoblin_22 Start: 15944, Stop: 17080, Start Num: 24
Candidate Starts for DartGoblin_22:
(Start: 24 @15944 has 231 MA's), (59, 16061), (120, 16151), (129, 16172), (138, 16193), (157, 16220), (268, 16421), (300, 16475), (352, 16556), (395, 16631), (413, 16646), (516, 16799), (565, 16892), (581, 16916), (642, 17009), (658, 17048), (663, 17066),

Gene: DarthP_21 Start: 16442, Stop: 17578, Start Num: 24
Candidate Starts for DarthP_21:
(Start: 24 @16442 has 231 MA's), (59, 16559), (Start: 70 @16577 has 13 MA's), (98, 16610), (120, 16649), (157, 16718), (213, 16817), (216, 16823), (268, 16919), (300, 16973), (343, 17039), (350, 17051), (455, 17207), (480, 17231), (516, 17297), (517, 17300), (518, 17303), (565, 17390), (642, 17507), (658, 17546), (663, 17564),

Gene: DarthPhader_28 Start: 20722, Stop: 21738, Start Num: 90
Candidate Starts for DarthPhader_28:
(Start: 90 @20722 has 231 MA's), (137, 20797), (149, 20815), (164, 20851), (188, 20890), (327, 21097), (349, 21136), (350, 21139), (428, 21280), (472, 21352), (607, 21595),

Gene: Dartin_22 Start: 15375, Stop: 16514, Start Num: 24
Candidate Starts for Dartin_22:
(Start: 24 @15375 has 231 MA's), (59, 15495), (120, 15585), (157, 15654), (213, 15753), (214, 15756), (268, 15855), (300, 15909), (352, 15990), (395, 16065), (413, 16080), (480, 16167), (495, 16191), (516, 16233), (517, 16236), (539, 16287), (565, 16326), (621, 16410), (634, 16428), (642, 16443), (658, 16482), (663, 16500),

Gene: Darwin_33 Start: 27301, Stop: 28167, Start Num: 90
Candidate Starts for Darwin_33:
(Start: 90 @27301 has 231 MA's), (110, 27325), (127, 27370), (158, 27430), (180, 27469), (235, 27565), (327, 27727), (345, 27760), (410, 27835), (421, 27859), (522, 28000), (549, 28036), (568, 28063), (603, 28120),

Gene: DatBoi_30 Start: 26971, Stop: 27855, Start Num: 63
Candidate Starts for DatBoi_30:
(Start: 63 @26971 has 10 MA's), (Start: 88 @26992 has 1 MA's), (120, 27046), (248, 27247), (274, 27298), (280, 27307), (300, 27343), (350, 27415), (354, 27421), (455, 27550), (495, 27598), (530, 27673), (562, 27721),

Gene: Deby_22 Start: 15985, Stop: 17121, Start Num: 24
Candidate Starts for Deby_22:
(Start: 24 @15985 has 231 MA's), (59, 16102), (120, 16192), (129, 16213), (138, 16234), (157, 16261), (300, 16516), (352, 16597), (395, 16672), (413, 16687), (495, 16798), (516, 16840), (565, 16933), (581, 16957), (642, 17050), (658, 17089), (663, 17107),

Gene: DeepSoil15_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for DeepSoil15_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: DeerParkTS_28 Start: 19239, Stop: 20249, Start Num: 90
Candidate Starts for DeerParkTS_28:

(Start: 90 @19239 has 231 MA's), (137, 19314), (149, 19332), (164, 19368), (188, 19407), (200, 19422), (327, 19614), (349, 19653), (350, 19656), (548, 20019), (596, 20094), (607, 20106), (659, 20196),

Gene: DekHockey33_29 Start: 18241, Stop: 19218, Start Num: 93
Candidate Starts for DekHockey33_29:
(Start: 93 @18241 has 22 MA's), (161, 18355), (163, 18361), (164, 18364), (308, 18598), (477, 18865), (514, 18919), (607, 19075),

Gene: DelRio_22 Start: 17301, Stop: 18362, Start Num: 53
Candidate Starts for DelRio_22:
(Start: 53 @17301 has 18 MA's), (Start: 84 @17346 has 25 MA's), (Start: 109 @17376 has 8 MA's), (164, 17484), (252, 17634), (272, 17682), (323, 17766), (328, 17775), (354, 17817), (468, 17994), (508, 18063), (619, 18258), (657, 18330), (658, 18333),

Gene: Delian_18 Start: 15817, Stop: 16677, Start Num: 73
Candidate Starts for Delian_18:
(Start: 66 @15811 has 10 MA's), (Start: 73 @15817 has 24 MA's), (161, 15973), (209, 16054), (280, 16153), (352, 16261), (425, 16345), (477, 16411), (510, 16456), (562, 16546), (594, 16588),

Gene: Deloris_28 Start: 19613, Stop: 20623, Start Num: 90
Candidate Starts for Deloris_28:
(Start: 90 @19613 has 231 MA's), (149, 19706), (164, 19742), (188, 19781), (327, 19988), (349, 20027), (350, 20030), (480, 20258), (499, 20291), (548, 20393), (561, 20414), (596, 20468), (607, 20480), (659, 20570),

Gene: Delrey21_33 Start: 29967, Stop: 30944, Start Num: 84
Candidate Starts for Delrey21_33:
(Start: 84 @29967 has 25 MA's), (140, 30054), (158, 30090), (177, 30126), (260, 30282), (262, 30285), (299, 30354), (341, 30417), (348, 30426), (401, 30516), (417, 30549), (419, 30552), (506, 30705), (522, 30747), (532, 30768), (550, 30795), (564, 30816), (570, 30825), (573, 30831), (593, 30864), (594, 30867), (623, 30912), (630, 30921), (640, 30933),

Gene: DelvinSonDorr_29 Start: 18959, Stop: 19972, Start Num: 90
Candidate Starts for DelvinSonDorr_29:
(Start: 90 @18959 has 231 MA's), (Start: 124 @19013 has 2 MA's), (149, 19052), (208, 19157), (299, 19304), (327, 19334), (349, 19373), (350, 19376), (379, 19421), (412, 19481), (516, 19679), (607, 19829), (614, 19838),

Gene: Denise_16 Start: 13946, Stop: 14794, Start Num: 166
Candidate Starts for Denise_16:
(Start: 166 @13946 has 45 MA's), (Start: 174 @13955 has 36 MA's), (221, 14030), (223, 14036), (262, 14108), (270, 14123), (281, 14141), (297, 14174), (324, 14207), (365, 14273), (377, 14294), (379, 14297), (383, 14306), (390, 14318), (398, 14333), (537, 14597), (540, 14603), (650, 14759), (654, 14765),

Gene: Derg_29 Start: 28515, Stop: 29471, Start Num: 71
Candidate Starts for Derg_29:
(Start: 71 @28515 has 52 MA's), (161, 28671), (175, 28701), (183, 28713), (187, 28716), (194, 28725), (204, 28740), (210, 28752), (322, 28911), (343, 28947), (381, 29007), (400, 29043), (443, 29103), (498, 29193), (539, 29283), (554, 29307), (563, 29319), (605, 29385), (616, 29400), (631, 29424), (637, 29436),

Gene: Devera_22 Start: 16032, Stop: 17168, Start Num: 24
Candidate Starts for Devera_22:
(Start: 24 @16032 has 231 MA's), (59, 16149), (129, 16260), (138, 16281), (157, 16308), (214, 16410), (300, 16563), (352, 16644), (385, 16698), (395, 16719), (413, 16734), (495, 16845), (516, 16887), (565, 16980), (581, 17004), (642, 17097), (658, 17136), (663, 17154),

Gene: Dewey_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Dewey_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Dexdert_32 Start: 26991, Stop: 27968, Start Num: 84
Candidate Starts for Dexdert_32:
(Start: 84 @26991 has 25 MA's), (Start: 102 @27003 has 1 MA's), (118, 27030), (140, 27078), (142, 27081), (164, 27132), (215, 27210), (260, 27306), (281, 27339), (299, 27378), (385, 27507), (401, 27540), (419, 27576), (518, 27762), (532, 27792), (550, 27819), (573, 27855), (593, 27888), (640, 27957),

Gene: Dignity_29 Start: 19628, Stop: 20644, Start Num: 90
Candidate Starts for Dignity_29:
(Start: 90 @19628 has 231 MA's), (137, 19703), (149, 19721), (164, 19757), (188, 19796), (327, 20003), (349, 20042), (350, 20045), (402, 20132), (499, 20312), (548, 20414), (596, 20489), (607, 20501),

Gene: Diminimus_28 Start: 21456, Stop: 22367, Start Num: 82
Candidate Starts for Diminimus_28:
(Start: 82 @21456 has 21 MA's), (Start: 143 @21558 has 1 MA's), (156, 21576), (161, 21591), (208, 21663), (213, 21672), (267, 21750), (348, 21885), (349, 21888), (350, 21891), (395, 21960), (417, 22002), (421, 22008), (503, 22149), (513, 22170), (517, 22182), (608, 22305), (617, 22317),

Gene: DingDing_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for DingDing_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Dinger_22 Start: 15450, Stop: 16322, Start Num: 97
Candidate Starts for Dinger_22:
(Start: 97 @15450 has 85 MA's), (120, 15489), (163, 15576), (Start: 207 @15645 has 1 MA's), (260, 15723), (350, 15861), (548, 16086), (559, 16104), (607, 16173), (668, 16311),

Gene: DirkDirk_17 Start: 15858, Stop: 16739, Start Num: 89
Candidate Starts for DirkDirk_17:
(55, 15804), (56, 15807), (Start: 74 @15840 has 10 MA's), (Start: 89 @15858 has 84 MA's), (111, 15882), (Start: 124 @15912 has 2 MA's), (130, 15927), (150, 15960), (251, 16104), (296, 16185), (349, 16260), (350, 16263), (354, 16269), (382, 16314), (401, 16341), (417, 16374), (421, 16380), (445, 16413), (451, 16422), (467, 16449), (523, 16569), (549, 16617), (573, 16644), (613, 16683), (617, 16689), (641, 16728),

Gene: Discoknowium_23 Start: 18763, Stop: 19776, Start Num: 97
Candidate Starts for Discoknowium_23:
(Start: 97 @18763 has 85 MA's), (149, 18859), (163, 18892), (164, 18895), (188, 18934), (217, 18982), (327, 19135), (336, 19153), (350, 19177), (377, 19219), (536, 19531), (607, 19633), (623, 19660), (659, 19723),

Gene: DismalFunk_18 Start: 13889, Stop: 15016, Start Num: 26
Candidate Starts for DismalFunk_18:
(Start: 26 @13889 has 11 MA's), (29, 13898), (59, 14000), (120, 14090), (138, 14132), (140, 14135), (157, 14159), (213, 14258), (251, 14321), (268, 14360), (300, 14414), (343, 14480), (350, 14492), (382, 14543), (394, 14567), (455, 14645), (477, 14663), (495, 14693), (499, 14702), (516, 14735), (517, 14738), (581, 14852), (634, 14930), (642, 14945), (658, 14984), (663, 15002),

Gene: DismalStressor_18 Start: 13889, Stop: 15016, Start Num: 26
Candidate Starts for DismalStressor_18:
(Start: 26 @13889 has 11 MA's), (29, 13898), (59, 14000), (120, 14090), (138, 14132), (140, 14135), (157, 14159), (213, 14258), (251, 14321), (268, 14360), (300, 14414), (343, 14480), (350, 14492), (382, 14543), (394, 14567), (455, 14645), (477, 14663), (495, 14693), (499, 14702), (516, 14735), (517, 14738), (581, 14852), (634, 14930), (642, 14945), (658, 14984), (663, 15002),

Gene: Dixon_23 Start: 17634, Stop: 18656, Start Num: 97
Candidate Starts for Dixon_23:
(Start: 97 @17634 has 85 MA's), (161, 17757), (163, 17763), (208, 17835), (281, 17940), (294, 17967), (350, 18057), (465, 18258), (479, 18288), (480, 18291), (596, 18501), (623, 18540), (652, 18588), (659, 18603),

Gene: DobbysSock_18 Start: 15996, Stop: 16823, Start Num: 174
Candidate Starts for DobbysSock_18:
(Start: 166 @15987 has 45 MA's), (Start: 174 @15996 has 36 MA's), (204, 16038), (221, 16071), (228, 16086), (256, 16134), (290, 16197), (292, 16203), (320, 16242), (353, 16296), (379, 16335), (382, 16341), (402, 16377), (426, 16407), (430, 16416), (511, 16566), (555, 16656), (629, 16743),

Gene: DoctorFroggo_33 Start: 29967, Stop: 30944, Start Num: 84
Candidate Starts for DoctorFroggo_33:
(Start: 84 @29967 has 25 MA's), (140, 30054), (158, 30090), (177, 30126), (260, 30282), (262, 30285), (299, 30354), (341, 30417), (348, 30426), (401, 30516), (417, 30549), (419, 30552), (506, 30705), (522, 30747), (532, 30768), (550, 30795), (564, 30816), (570, 30825), (573, 30831), (593, 30864), (594, 30867), (623, 30912), (630, 30921), (640, 30933),

Gene: Dogfish_20 Start: 17321, Stop: 18181, Start Num: 66
Candidate Starts for Dogfish_20:
(13, 17051), (Start: 66 @17321 has 10 MA's), (Start: 73 @17327 has 24 MA's), (Start: 103 @17363 has 5 MA's), (Start: 105 @17366 has 26 MA's), (189, 17528), (193, 17534), (203, 17549), (209, 17561), (278, 17657), (280, 17660), (285, 17669), (293, 17681), (300, 17696), (386, 17825), (479, 17921), (493, 17945), (510, 17966), (517, 17987), (528, 18017), (556, 18053), (596, 18107),

Gene: Dole_22 Start: 16034, Stop: 17170, Start Num: 24
Candidate Starts for Dole_22:
(Start: 24 @16034 has 231 MA's), (59, 16151), (129, 16262), (138, 16283), (157, 16310), (214, 16412), (300, 16565), (352, 16646), (385, 16700), (395, 16721), (413, 16736), (495, 16847), (516, 16889), (565, 16982), (581, 17006), (642, 17099), (658, 17138), (663, 17156),

Gene: Dolores_19 Start: 16489, Stop: 17325, Start Num: 166
Candidate Starts for Dolores_19:
(Start: 166 @16489 has 45 MA's), (Start: 174 @16498 has 36 MA's), (204, 16540), (221, 16573), (228, 16588), (256, 16636), (290, 16699), (292, 16705), (320, 16744), (353, 16798), (379, 16837), (382, 16843), (402, 16879), (426, 16909), (430, 16918), (511, 17068), (629, 17245),

Gene: DonkeyMan_17 Start: 14102, Stop: 14944, Start Num: 151
Candidate Starts for DonkeyMan_17:
(11, 13646), (15, 13724), (51, 13922), (134, 14063), (Start: 151 @14102 has 14 MA's), (188, 14171), (208, 14201), (219, 14222), (248, 14255), (267, 14297), (268, 14300), (368, 14441), (403, 14507), (488, 14639), (526, 14714), (579, 14768), (607, 14810), (649, 14876), (663, 14915),

Gene: Dorito_18 Start: 15989, Stop: 16825, Start Num: 166
Candidate Starts for Dorito_18:
(Start: 166 @15989 has 45 MA's), (Start: 174 @15998 has 36 MA's), (204, 16040), (221, 16073), (228, 16088), (290, 16199), (292, 16205), (295, 16214), (320, 16244), (353, 16298), (379, 16337), (402, 16379), (426, 16409), (430, 16418), (511, 16568), (555, 16658), (629, 16745),

Gene: Dorothea_30 Start: 18967, Stop: 19980, Start Num: 90
Candidate Starts for Dorothea_30:
(Start: 90 @18967 has 231 MA's), (Start: 124 @19021 has 2 MA's), (149, 19060), (208, 19165), (299, 19312), (327, 19342), (349, 19381), (350, 19384), (379, 19429), (412, 19489), (516, 19687), (607, 19837), (614, 19846),

Gene: DoubleChamp_20 Start: 16380, Stop: 17510, Start Num: 28
Candidate Starts for DoubleChamp_20:
(Start: 28 @16380 has 23 MA's), (107, 16554), (137, 16620), (138, 16623), (157, 16650), (213, 16749), (268, 16851), (300, 16905), (324, 16935), (343, 16971), (345, 16974), (350, 16983), (394, 17058), (395, 17061), (430, 17097), (455, 17139), (477, 17157), (480, 17163), (495, 17187), (496, 17190), (516, 17229), (642, 17439), (658, 17478), (663, 17496),

Gene: Douge_17 Start: 15701, Stop: 16588, Start Num: 89
Candidate Starts for Douge_17:
(Start: 89 @15701 has 84 MA's), (111, 15725), (123, 15752), (Start: 124 @15755 has 2 MA's), (130, 15770), (150, 15803), (208, 15899), (299, 16034), (304, 16043), (349, 16103), (350, 16106), (401, 16184), (410, 16199), (421, 16223), (467, 16292), (479, 16316), (489, 16334), (513, 16385), (523, 16412), (549, 16460), (573, 16487), (641, 16571),

Gene: Doughnut_18 Start: 13909, Stop: 15036, Start Num: 26
Candidate Starts for Doughnut_18:
(Start: 26 @13909 has 11 MA's), (29, 13918), (59, 14020), (120, 14110), (138, 14152), (157, 14179), (209, 14272), (213, 14278), (251, 14341), (268, 14380), (300, 14434), (350, 14512), (382, 14563), (394, 14587), (455, 14665), (477, 14683), (495, 14713), (516, 14755), (517, 14758), (581, 14872), (634, 14950), (642, 14965), (658, 15004), (663, 15022),

Gene: Douzhi_17 Start: 15692, Stop: 16579, Start Num: 89
Candidate Starts for Douzhi_17:
(Start: 89 @15692 has 84 MA's), (111, 15716), (123, 15743), (Start: 124 @15746 has 2 MA's), (130, 15761), (150, 15794), (208, 15890), (299, 16025), (304, 16034), (349, 16094), (350, 16097), (401, 16175), (410, 16190), (421, 16214), (445, 16247), (467, 16283), (479, 16307), (489, 16325), (493, 16334), (513, 16376), (523, 16403), (549, 16451), (573, 16478), (641, 16562),

Gene: DrHayes_22 Start: 15965, Stop: 17101, Start Num: 24

Candidate Starts for DrHayes_22:
(Start: 24 @15965 has 231 MA's), (59, 16082), (120, 16172), (129, 16193), (138, 16214), (157, 16241), (268, 16442), (300, 16496), (305, 16502), (352, 16577), (395, 16652), (413, 16667), (516, 16820), (565, 16913), (581, 16937), (642, 17030), (658, 17069), (663, 17087),

Gene: DrSeegs_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for DrSeegs_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Drake55_29 Start: 19657, Stop: 20673, Start Num: 90
Candidate Starts for Drake55_29:
(Start: 90 @19657 has 231 MA's), (137, 19732), (149, 19750), (164, 19786), (188, 19825), (299, 20002), (327, 20032), (349, 20071), (350, 20074), (607, 20530), (621, 20554),

Gene: DreamTeam1_27 Start: 18680, Stop: 19702, Start Num: 90
Candidate Starts for DreamTeam1_27:
(Start: 90 @18680 has 231 MA's), (Start: 106 @18698 has 6 MA's), (Start: 124 @18734 has 2 MA's), (149, 18773), (281, 18989), (299, 19025), (327, 19055), (350, 19097), (379, 19142), (432, 19247), (476, 19319), (489, 19343), (492, 19349), (596, 19547), (607, 19559), (614, 19568), (621, 19583), (659, 19649),

Gene: Dublin_22 Start: 18616, Stop: 19629, Start Num: 97
Candidate Starts for Dublin_22:
(Start: 97 @18616 has 85 MA's), (149, 18712), (163, 18745), (164, 18748), (188, 18787), (281, 18922), (318, 18982), (327, 18988), (336, 19006), (350, 19030), (377, 19072), (536, 19384), (607, 19486), (623, 19513), (659, 19576),

Gene: DudeLittle_27 Start: 19254, Stop: 20270, Start Num: 90
Candidate Starts for DudeLittle_27:
(Start: 90 @19254 has 231 MA's), (137, 19329), (149, 19347), (164, 19383), (188, 19422), (327, 19629), (349, 19668), (350, 19671), (499, 19938), (548, 20040), (596, 20115), (607, 20127), (659, 20217), (660, 20220),

Gene: Dulcita_28 Start: 21456, Stop: 22367, Start Num: 82
Candidate Starts for Dulcita_28:
(Start: 82 @21456 has 21 MA's), (Start: 143 @21558 has 1 MA's), (156, 21576), (161, 21591), (208, 21663), (213, 21672), (267, 21750), (348, 21885), (349, 21888), (350, 21891), (395, 21960), (417, 22002), (421, 22008), (503, 22149), (513, 22170), (517, 22182), (608, 22305), (617, 22317),

Gene: DumpsterDude_18 Start: 15153, Stop: 16214, Start Num: 53
Candidate Starts for DumpsterDude_18:
(Start: 53 @15153 has 18 MA's), (117, 15246), (138, 15288), (164, 15336), (214, 15414), (258, 15504), (272, 15534), (313, 15606), (321, 15615), (323, 15618), (328, 15627), (354, 15669), (428, 15768), (463, 15837), (619, 16110), (657, 16182), (658, 16185),

Gene: DuncansLeg_18 Start: 16490, Stop: 17380, Start Num: 89
Candidate Starts for DuncansLeg_18:
(Start: 89 @16490 has 84 MA's), (111, 16514), (130, 16559), (137, 16574), (150, 16595), (208, 16691), (213, 16700), (299, 16826), (304, 16835), (349, 16895), (350, 16898), (354, 16904), (401, 16976), (417, 17009), (423, 17021), (467, 17084), (505, 17159), (525, 17210), (549, 17252), (641, 17363),

(643, 17366),

Gene: Duplo_30 Start: 19080, Stop: 20090, Start Num: 90
Candidate Starts for Duplo_30:
(Start: 90 @19080 has 231 MA's), (137, 19155), (149, 19173), (256, 19344), (327, 19455), (349, 19494), (350, 19497), (379, 19542), (548, 19860), (596, 19935), (607, 19947), (621, 19971), (659, 20037),

Gene: Durfee_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Durfee_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Dusty_46 Start: 28440, Stop: 29321, Start Num: 69
Candidate Starts for Dusty_46:
(Start: 63 @28434 has 10 MA's), (Start: 69 @28440 has 12 MA's), (108, 28488), (120, 28515), (158, 28587), (213, 28683), (288, 28791), (350, 28884), (369, 28908), (376, 28923), (455, 29019), (495, 29067), (604, 29247), (628, 29283),

Gene: DyoEdafos_18 Start: 15909, Stop: 16796, Start Num: 89
Candidate Starts for DyoEdafos_18:
(Start: 89 @15909 has 84 MA's), (111, 15933), (123, 15960), (Start: 124 @15963 has 2 MA's), (130, 15978), (150, 16011), (208, 16107), (299, 16242), (304, 16251), (349, 16311), (350, 16314), (401, 16392), (410, 16407), (421, 16431), (467, 16500), (479, 16524), (523, 16620), (549, 16668), (573, 16695), (613, 16734), (641, 16779),

Gene: ECartman_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for ECartman_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: EMoore_30 Start: 28525, Stop: 29511, Start Num: 84
Candidate Starts for EMoore_30:
(Start: 84 @28525 has 25 MA's), (177, 28684), (215, 28744), (230, 28774), (257, 28831), (260, 28840), (299, 28912), (329, 28951), (340, 28972), (354, 28990), (401, 29074), (411, 29095), (419, 29110), (481, 29215), (483, 29218), (516, 29290), (520, 29302), (529, 29326), (532, 29332), (541, 29347), (551, 29365), (573, 29398), (593, 29431), (594, 29434), (640, 29500),

Gene: EMsquaredA_19 Start: 16661, Stop: 17569, Start Num: 147
Candidate Starts for EMsquaredA_19:
(Start: 147 @16661 has 26 MA's), (175, 16718), (261, 16853), (273, 16868), (275, 16871), (303, 16922), (387, 17030), (414, 17078), (426, 17102), (437, 17120), (441, 17126), (465, 17162), (533, 17318), (560, 17345), (569, 17357), (578, 17372), (607, 17417), (618, 17435), (623, 17444), (645, 17480), (646, 17483), (660, 17519), (661, 17525), (663, 17531),

Gene: EZMoney23_31 Start: 21135, Stop: 22148, Start Num: 90
Candidate Starts for EZMoney23_31:
(Start: 90 @21135 has 231 MA's), (149, 21228), (164, 21264), (188, 21303), (327, 21510), (349, 21549), (350, 21552), (379, 21597), (412, 21657), (480, 21783), (499, 21816), (607, 22005), (621,

22029),

Gene: EagleEye_29 Start: 19925, Stop: 20941, Start Num: 90
Candidate Starts for EagleEye_29:
(Start: 90 @19925 has 231 MA's), (Start: 106 @19943 has 6 MA's), (149, 20018), (188, 20093), (237, 20156), (327, 20300), (349, 20339), (350, 20342), (402, 20429), (528, 20681), (536, 20696), (561, 20732), (607, 20798), (618, 20816), (621, 20822),

Gene: Easley_19 Start: 16499, Stop: 17335, Start Num: 166
Candidate Starts for Easley_19:
(Start: 166 @16499 has 45 MA's), (Start: 174 @16508 has 36 MA's), (204, 16550), (221, 16583), (228, 16598), (256, 16646), (290, 16709), (292, 16715), (320, 16754), (353, 16808), (379, 16847), (382, 16853), (402, 16889), (426, 16919), (430, 16928), (511, 17078), (555, 17168), (629, 17255),

Gene: Ebert_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for Ebert_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: Ebony_27 Start: 19779, Stop: 20801, Start Num: 90
Candidate Starts for Ebony_27:
(Start: 90 @19779 has 231 MA's), (Start: 124 @19836 has 2 MA's), (161, 19911), (248, 20040), (281, 20100), (318, 20160), (327, 20166), (350, 20208), (379, 20253), (382, 20259), (428, 20343), (450, 20376), (607, 20658), (614, 20667), (621, 20682), (659, 20748),

Gene: Echild_27 Start: 19279, Stop: 20295, Start Num: 90
Candidate Starts for Echild_27:
(Start: 90 @19279 has 231 MA's), (137, 19354), (149, 19372), (164, 19408), (188, 19447), (327, 19654), (349, 19693), (350, 19696), (548, 20065), (596, 20140), (607, 20152),

Gene: Ecliptus_23 Start: 17506, Stop: 18432, Start Num: 147
Candidate Starts for Ecliptus_23:
(146, 17503), (Start: 147 @17506 has 26 MA's), (175, 17563), (247, 17665), (254, 17677), (265, 17701), (273, 17710), (275, 17713), (277, 17716), (313, 17779), (347, 17812), (366, 17833), (374, 17848), (409, 17908), (414, 17920), (426, 17944), (444, 17971), (446, 17974), (465, 18004), (501, 18082), (533, 18163), (558, 18205), (560, 18208), (567, 18217), (569, 18220), (576, 18232), (578, 18235), (588, 18247), (593, 18259), (607, 18280), (614, 18289), (618, 18298), (645, 18343), (646, 18346), (647, 18352), (661, 18388), (663, 18394),

Gene: EdmundFerry_30 Start: 26577, Stop: 27554, Start Num: 84
Candidate Starts for EdmundFerry_30:
(Start: 84 @26577 has 25 MA's), (Start: 102 @26589 has 1 MA's), (118, 26616), (140, 26664), (142, 26667), (164, 26718), (215, 26796), (260, 26892), (299, 26964), (385, 27093), (401, 27126), (419, 27162), (518, 27348), (532, 27378), (550, 27405), (573, 27441), (593, 27474), (640, 27543),

Gene: EdnaMode_16 Start: 13846, Stop: 14694, Start Num: 166
Candidate Starts for EdnaMode_16:
(128, 13759), (Start: 166 @13846 has 45 MA's), (171, 13852), (223, 13936), (255, 13987), (281, 14041), (290, 14056), (297, 14074), (324, 14107), (365, 14173), (377, 14194), (379, 14197), (390, 14218), (426, 14275), (537, 14497), (540, 14503), (650, 14659), (654, 14665),

Gene: EdogawaKiddo_26 Start: 20527, Stop: 21540, Start Num: 90

Candidate Starts for EdogawaKiddo_26:
(Start: 90 @20527 has 231 MA's), (Start: 106 @20545 has 6 MA's), (137, 20602), (149, 20620), (164, 20656), (281, 20836), (299, 20872), (327, 20902), (350, 20944), (440, 21103), (516, 21247), (548, 21310), (596, 21385), (607, 21397), (621, 21421),

Gene: Edugator_19 Start: 16302, Stop: 17432, Start Num: 28
Candidate Starts for Edugator_19:
(Start: 28 @16302 has 23 MA's), (107, 16476), (137, 16542), (157, 16572), (213, 16671), (268, 16773), (300, 16827), (324, 16857), (343, 16893), (345, 16896), (350, 16905), (394, 16980), (395, 16983), (430, 17019), (455, 17061), (477, 17079), (480, 17085), (495, 17109), (496, 17112), (516, 17151), (571, 17253), (642, 17361), (658, 17400), (663, 17418),

Gene: Efra2_22 Start: 15227, Stop: 16363, Start Num: 24
Candidate Starts for Efra2_22:
(Start: 24 @15227 has 231 MA's), (59, 15344), (120, 15434), (129, 15455), (157, 15503), (300, 15758), (352, 15839), (395, 15914), (413, 15929), (495, 16040), (516, 16082), (554, 16160), (565, 16175), (581, 16199), (642, 16292), (658, 16331), (663, 16349),

Gene: Egi03_30 Start: 25124, Stop: 26056, Start Num: 77
Candidate Starts for Egi03_30:
(Start: 77 @25124 has 34 MA's), (137, 25220), (170, 25289), (175, 25295), (194, 25319), (204, 25334), (343, 25544), (395, 25622), (430, 25667), (443, 25691), (474, 25730), (520, 25826), (539, 25868), (563, 25904), (584, 25934), (612, 25979), (624, 26000), (650, 26051),

Gene: Eidsmoe_28 Start: 20557, Stop: 21570, Start Num: 90
Candidate Starts for Eidsmoe_28:
(Start: 90 @20557 has 231 MA's), (Start: 106 @20575 has 6 MA's), (137, 20632), (149, 20650), (164, 20686), (281, 20866), (299, 20902), (327, 20932), (350, 20974), (440, 21133), (516, 21277), (548, 21340), (596, 21415), (607, 21427), (621, 21451),

Gene: Ein37_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Ein37_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Ekdilam_19 Start: 16204, Stop: 17340, Start Num: 24
Candidate Starts for Ekdilam_19:
(Start: 24 @16204 has 231 MA's), (59, 16321), (Start: 70 @16339 has 13 MA's), (98, 16372), (120, 16411), (157, 16480), (213, 16579), (216, 16585), (300, 16735), (343, 16801), (350, 16813), (455, 16969), (480, 16993), (496, 17020), (516, 17059), (517, 17062), (565, 17152), (642, 17269), (658, 17308), (663, 17326),

Gene: ElTiger69_23 Start: 17966, Stop: 18979, Start Num: 97
Candidate Starts for ElTiger69_23:
(Start: 97 @17966 has 85 MA's), (163, 18095), (164, 18098), (188, 18137), (281, 18272), (296, 18302), (318, 18332), (327, 18338), (336, 18356), (350, 18380), (377, 18422), (472, 18593), (607, 18836), (659, 18926),

Gene: Elephantoon_28 Start: 20168, Stop: 21190, Start Num: 90
Candidate Starts for Elephantoon_28:

(Start: 90 @20168 has 231 MA's), (Start: 106 @20186 has 6 MA's), (120, 20213), (137, 20243), (149, 20261), (164, 20297), (281, 20477), (299, 20513), (327, 20543), (350, 20585), (432, 20735), (440, 20744), (489, 20831), (516, 20897), (596, 21035), (607, 21047), (614, 21056), (621, 21071),

Gene: Elle_27 Start: 18087, Stop: 19064, Start Num: 93
Candidate Starts for Elle_27:
(Start: 93 @18087 has 22 MA's), (120, 18129), (155, 18186), (161, 18201), (163, 18207), (164, 18210), (217, 18297), (308, 18444), (415, 18594), (498, 18741), (607, 18921), (645, 18981), (653, 18996), (659, 19011),

Gene: Ellie_19 Start: 16200, Stop: 17336, Start Num: 24
Candidate Starts for Ellie_19:
(Start: 24 @16200 has 231 MA's), (59, 16317), (98, 16368), (157, 16476), (214, 16578), (216, 16581), (268, 16677), (300, 16731), (343, 16797), (350, 16809), (516, 17055), (517, 17058), (642, 17265), (658, 17304), (663, 17322),

Gene: Ellson_18 Start: 16498, Stop: 17388, Start Num: 89
Candidate Starts for Ellson_18:
(Start: 89 @16498 has 84 MA's), (111, 16522), (130, 16567), (137, 16582), (150, 16603), (208, 16699), (213, 16708), (299, 16834), (304, 16843), (349, 16903), (350, 16906), (354, 16912), (401, 16984), (417, 17017), (423, 17029), (467, 17092), (505, 17167), (525, 17218), (549, 17260), (641, 17371), (643, 17374),

Gene: Emerson_22 Start: 16011, Stop: 17147, Start Num: 24
Candidate Starts for Emerson_22:
(Start: 24 @16011 has 231 MA's), (59, 16128), (120, 16218), (129, 16239), (138, 16260), (157, 16287), (300, 16542), (352, 16623), (395, 16698), (413, 16713), (495, 16824), (516, 16866), (565, 16959), (581, 16983), (642, 17076), (658, 17115), (663, 17133),

Gene: EmiRose_16 Start: 13050, Stop: 13937, Start Num: 143
Candidate Starts for EmiRose_16:
(Start: 143 @13050 has 1 MA's), (153, 13068), (188, 13137), (241, 13227), (246, 13236), (260, 13269), (268, 13284), (360, 13440), (362, 13443), (367, 13449), (447, 13608), (466, 13638), (480, 13668), (488, 13680), (537, 13794), (542, 13800),

Gene: Emianna_40 Start: 29879, Stop: 30820, Start Num: 105
Candidate Starts for Emianna_40:
(Start: 105 @29879 has 26 MA's), (Start: 143 @29966 has 1 MA's), (186, 30041), (227, 30107), (248, 30149), (277, 30206), (411, 30419), (425, 30446), (488, 30557), (549, 30689), (613, 30785),

Gene: EmyBug_28 Start: 20557, Stop: 21570, Start Num: 90
Candidate Starts for EmyBug_28:
(Start: 90 @20557 has 231 MA's), (Start: 106 @20575 has 6 MA's), (137, 20632), (149, 20650), (164, 20686), (281, 20866), (299, 20902), (327, 20932), (350, 20974), (440, 21133), (516, 21277), (548, 21340), (596, 21415), (607, 21427), (621, 21451),

Gene: EnalisNailo_19 Start: 16810, Stop: 17718, Start Num: 147
Candidate Starts for EnalisNailo_19:
(Start: 147 @16810 has 26 MA's), (175, 16867), (273, 17017), (275, 17020), (303, 17071), (366, 17140), (387, 17179), (414, 17227), (426, 17251), (441, 17275), (533, 17467), (560, 17494), (567, 17503), (569, 17506), (578, 17521), (604, 17563), (607, 17566), (623, 17593), (645, 17629), (649, 17641), (661, 17674), (663, 17680),

Gene: Enceladus_17 Start: 15859, Stop: 16740, Start Num: 89
Candidate Starts for Enceladus_17:
(55, 15805), (56, 15808), (Start: 74 @15841 has 10 MA's), (Start: 89 @15859 has 84 MA's), (111, 15883), (Start: 124 @15913 has 2 MA's), (130, 15928), (150, 15961), (251, 16105), (296, 16186), (349, 16261), (350, 16264), (354, 16270), (382, 16315), (401, 16342), (417, 16375), (421, 16381), (445, 16414), (451, 16423), (467, 16450), (523, 16570), (549, 16618), (573, 16645), (613, 16684), (617, 16690), (641, 16729),

Gene: Engineer_48 Start: 28657, Stop: 29538, Start Num: 69
Candidate Starts for Engineer_48:
(Start: 63 @28651 has 10 MA's), (Start: 69 @28657 has 12 MA's), (108, 28705), (120, 28732), (158, 28804), (196, 28870), (213, 28900), (288, 29008), (350, 29101), (369, 29125), (376, 29140), (455, 29236), (495, 29284), (604, 29464), (628, 29500),

Gene: Enkosi_18 Start: 15554, Stop: 16696, Start Num: 24
Candidate Starts for Enkosi_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: Ennea_46 Start: 30548, Stop: 31465, Start Num: 105
Candidate Starts for Ennea_46:
(Start: 105 @30548 has 26 MA's), (Start: 143 @30626 has 1 MA's), (186, 30701), (248, 30809), (293, 30893), (410, 31073), (411, 31079), (519, 31295), (549, 31334), (595, 31409), (613, 31430), (625, 31451),

Gene: Eponine_23 Start: 17390, Stop: 18523, Start Num: 24
Candidate Starts for Eponine_23:
(Start: 24 @17390 has 231 MA's), (46, 17480), (59, 17510), (120, 17600), (138, 17642), (140, 17645), (148, 17657), (348, 17993), (350, 17999), (394, 18074), (455, 18152), (476, 18167), (495, 18200), (516, 18242), (517, 18245), (567, 18338), (642, 18452), (658, 18491), (663, 18509),

Gene: Epsocamisio_29 Start: 18119, Stop: 19096, Start Num: 93
Candidate Starts for Epsocamisio_29:
(Start: 93 @18119 has 22 MA's), (161, 18233), (163, 18239), (164, 18242), (308, 18476), (477, 18743), (514, 18797), (607, 18953),

Gene: Equemioh13_29 Start: 19643, Stop: 20659, Start Num: 90
Candidate Starts for Equemioh13_29:
(Start: 90 @19643 has 231 MA's), (137, 19718), (149, 19736), (164, 19772), (188, 19811), (299, 19988), (327, 20018), (349, 20057), (350, 20060), (607, 20516), (621, 20540),

Gene: EricB_30 Start: 18959, Stop: 19972, Start Num: 90
Candidate Starts for EricB_30:
(Start: 90 @18959 has 231 MA's), (Start: 124 @19013 has 2 MA's), (149, 19052), (208, 19157), (299, 19304), (327, 19334), (349, 19373), (350, 19376), (379, 19421), (412, 19481), (516, 19679), (607, 19829), (614, 19838),

Gene: Erik_22 Start: 15479, Stop: 16351, Start Num: 97
Candidate Starts for Erik_22:
(Start: 97 @15479 has 85 MA's), (120, 15518), (161, 15599), (163, 15605), (Start: 207 @15674 has 1 MA's), (260, 15752), (281, 15785), (296, 15812), (350, 15890), (434, 15986), (548, 16115), (559, 16133), (596, 16190), (607, 16202), (634, 16244), (668, 16340),

Gene: Espica_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Espica_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: Estes_32 Start: 22177, Stop: 23088, Start Num: 82
Candidate Starts for Estes_32:
(Start: 82 @22177 has 21 MA's), (91, 22186), (Start: 124 @22240 has 2 MA's), (140, 22276), (Start: 143 @22279 has 1 MA's), (156, 22297), (161, 22312), (Start: 207 @22381 has 1 MA's), (208, 22384), (349, 22609), (350, 22612), (370, 22642), (417, 22723), (421, 22729), (517, 22903), (523, 22918), (537, 22951), (639, 23074),

Gene: Et2Brutus_26 Start: 19739, Stop: 20761, Start Num: 90
Candidate Starts for Et2Brutus_26:
(Start: 90 @19739 has 231 MA's), (Start: 124 @19796 has 2 MA's), (161, 19871), (248, 20000), (281, 20060), (318, 20120), (327, 20126), (350, 20168), (379, 20213), (382, 20219), (428, 20303), (450, 20336), (607, 20618), (614, 20627), (621, 20642), (659, 20708),

Gene: Eudoria_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Eudoria_18:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: Evamon_30 Start: 24920, Stop: 25864, Start Num: 77
Candidate Starts for Evamon_30:
(Start: 77 @24920 has 34 MA's), (137, 25025), (170, 25094), (175, 25100), (194, 25124), (204, 25139), (443, 25499), (454, 25514), (471, 25532), (520, 25634), (539, 25676), (563, 25712), (612, 25787), (624, 25808), (650, 25859),

Gene: Evanesce_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Evanesce_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Eviarto_18 Start: 16940, Stop: 17767, Start Num: 174
Candidate Starts for Eviarto_18:
(Start: 174 @16940 has 36 MA's), (221, 17015), (287, 17135), (290, 17141), (333, 17207), (340, 17219), (377, 17276), (382, 17285), (402, 17321), (408, 17330), (426, 17351), (477, 17435), (511, 17510), (521, 17531), (605, 17654), (629, 17687),

Gene: EvilGenius_29 Start: 19596, Stop: 20612, Start Num: 90
Candidate Starts for EvilGenius_29:
(Start: 90 @19596 has 231 MA's), (137, 19671), (149, 19689), (164, 19725), (188, 19764), (327, 19971), (349, 20010), (350, 20013), (402, 20100), (499, 20280), (548, 20382), (596, 20457), (607, 20469),

Gene: Ewald_21 Start: 17595, Stop: 18455, Start Num: 66

Candidate Starts for Ewald_21:
(Start: 66 @17595 has 10 MA's), (Start: 73 @17601 has 24 MA's), (Start: 82 @17613 has 21 MA's), (Start: 103 @17637 has 5 MA's), (Start: 105 @17640 has 26 MA's), (193, 17808), (203, 17823), (209, 17835), (278, 17931), (280, 17934), (285, 17943), (293, 17955), (300, 17970), (386, 18099), (493, 18219), (510, 18240), (517, 18261), (596, 18381),

Gene: Expelliarmus_22 Start: 17601, Stop: 18623, Start Num: 97
Candidate Starts for Expelliarmus_22:
(Start: 97 @17601 has 85 MA's), (161, 17724), (163, 17730), (208, 17802), (281, 17907), (294, 17934), (350, 18024), (465, 18225), (479, 18255), (480, 18258), (596, 18468), (623, 18507), (652, 18555), (659, 18570),

Gene: ExplosioNervosa_28 Start: 20560, Stop: 21573, Start Num: 90
Candidate Starts for ExplosioNervosa_28:
(Start: 90 @20560 has 231 MA's), (Start: 106 @20578 has 6 MA's), (137, 20635), (149, 20653), (164, 20689), (281, 20869), (299, 20905), (327, 20935), (350, 20977), (440, 21136), (516, 21280), (548, 21343), (596, 21418), (607, 21430), (621, 21454),

Gene: Eyre_16 Start: 14536, Stop: 15369, Start Num: 167
Candidate Starts for Eyre_16:
(Start: 167 @14536 has 2 MA's), (206, 14578), (262, 14686), (297, 14752), (377, 14872), (426, 14950), (525, 15145), (540, 15178), (629, 15289),

Gene: FF47_20 Start: 14818, Stop: 15930, Start Num: 27
Candidate Starts for FF47_20:
(Start: 27 @14818 has 4 MA's), (33, 14866), (Start: 101 @14974 has 5 MA's), (107, 14983), (140, 15052), (158, 15079), (243, 15226), (301, 15334), (350, 15409), (356, 15418), (379, 15454), (430, 15523), (455, 15565), (499, 15619), (526, 15676), (593, 15781), (596, 15787), (656, 15892),

Gene: Fairfaxidum_18 Start: 15961, Stop: 16821, Start Num: 70
Candidate Starts for Fairfaxidum_18:
(Start: 70 @15961 has 13 MA's), (Start: 88 @15976 has 1 MA's), (Start: 109 @16006 has 8 MA's), (119, 16027), (161, 16117), (209, 16198), (350, 16402), (352, 16405), (510, 16600), (562, 16690), (594, 16732), (626, 16780), (630, 16786),

Gene: Faith1_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for Faith1_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Faith5x5_16 Start: 13806, Stop: 14654, Start Num: 166
Candidate Starts for Faith5x5_16:
(Start: 166 @13806 has 45 MA's), (171, 13812), (250, 13938), (262, 13968), (270, 13983), (281, 14001), (297, 14034), (377, 14154), (379, 14157), (383, 14166), (385, 14169), (390, 14178), (398, 14193), (408, 14211), (429, 14241), (477, 14313), (540, 14463), (654, 14625),

Gene: Faiyaz_23 Start: 18613, Stop: 19611, Start Num: 40
Candidate Starts for Faiyaz_23:
(Start: 40 @18613 has 6 MA's), (80, 18679), (137, 18769), (140, 18775), (165, 18823), (198, 18871), (213, 18898), (233, 18925), (234, 18928), (251, 18949), (279, 19000), (306, 19051), (316, 19060), (332, 19087), (377, 19162), (391, 19186), (480, 19276), (495, 19300), (496, 19303), (516, 19339),

(539, 19393), (545, 19402), (572, 19444), (574, 19447), (634, 19528), (638, 19537), (658, 19582),

Gene: Fameo_27 Start: 19223, Stop: 20239, Start Num: 90
Candidate Starts for Fameo_27:
(Start: 90 @19223 has 231 MA's), (137, 19298), (149, 19316), (164, 19352), (188, 19391), (327, 19598), (349, 19637), (350, 19640), (499, 19907), (548, 20009), (596, 20084), (607, 20096), (659, 20186),

Gene: Farewell_15 Start: 15126, Stop: 16142, Start Num: 62
Candidate Starts for Farewell_15:
(Start: 62 @15126 has 2 MA's), (67, 15135), (Start: 92 @15165 has 1 MA's), (131, 15234), (141, 15255), (213, 15375), (217, 15384), (260, 15471), (299, 15537), (350, 15624), (354, 15630), (405, 15714), (417, 15738), (419, 15741), (525, 15939), (529, 15951), (555, 15990), (583, 16017), (591, 16032), (649, 16122),

Gene: FarmResident_17 Start: 15745, Stop: 16632, Start Num: 89
Candidate Starts for FarmResident_17:
(Start: 89 @15745 has 84 MA's), (111, 15769), (123, 15796), (Start: 124 @15799 has 2 MA's), (130, 15814), (150, 15847), (208, 15943), (299, 16078), (304, 16087), (349, 16147), (350, 16150), (401, 16228), (410, 16243), (421, 16267), (467, 16336), (479, 16360), (489, 16378), (513, 16429), (523, 16456), (549, 16504), (573, 16531), (641, 16615),

Gene: FatCactus_25 Start: 17601, Stop: 18611, Start Num: 90
Candidate Starts for FatCactus_25:
(Start: 90 @17601 has 231 MA's), (137, 17676), (149, 17694), (164, 17730), (188, 17769), (248, 17850), (327, 17976), (349, 18015), (350, 18018), (428, 18153), (499, 18279), (542, 18372), (548, 18381), (561, 18402), (607, 18468), (621, 18492), (644, 18525), (659, 18558),

Gene: Fayely_28 Start: 20560, Stop: 21573, Start Num: 90
Candidate Starts for Fayely_28:
(Start: 90 @20560 has 231 MA's), (Start: 106 @20578 has 6 MA's), (137, 20635), (149, 20653), (164, 20689), (281, 20869), (299, 20905), (327, 20935), (350, 20977), (440, 21136), (516, 21280), (548, 21343), (596, 21418), (607, 21430), (621, 21454),

Gene: Fefferhead_21 Start: 16367, Stop: 17503, Start Num: 24
Candidate Starts for Fefferhead_21:
(Start: 24 @16367 has 231 MA's), (59, 16484), (98, 16535), (157, 16643), (214, 16745), (216, 16748), (268, 16844), (300, 16898), (343, 16964), (350, 16976), (516, 17222), (517, 17225), (642, 17432), (658, 17471), (663, 17489),

Gene: FeliMaine_51 Start: 26439, Stop: 27401, Start Num: 89
Candidate Starts for FeliMaine_51:
(Start: 89 @26439 has 84 MA's), (161, 26571), (175, 26595), (182, 26604), (185, 26610), (192, 26619), (208, 26643), (213, 26652), (219, 26664), (227, 26676), (294, 26790), (341, 26871), (350, 26886), (354, 26892), (417, 27000), (493, 27126), (497, 27132), (527, 27207), (582, 27282), (586, 27288), (593, 27300), (594, 27303), (651, 27390), (653, 27393), (655, 27396),

Gene: Fenry_17 Start: 15512, Stop: 16372, Start Num: 70
Candidate Starts for Fenry_17:
(Start: 70 @15512 has 13 MA's), (161, 15668), (209, 15749), (256, 15806), (280, 15848), (352, 15956), (425, 16040), (477, 16106), (480, 16112), (510, 16151), (562, 16241), (594, 16283),

Gene: Feyre_20 Start: 16241, Stop: 17371, Start Num: 28

Candidate Starts for Feyre_20:
(Start: 28 @16241 has 23 MA's), (138, 16484), (157, 16511), (213, 16610), (268, 16712), (300, 16766), (324, 16796), (343, 16832), (345, 16835), (350, 16844), (394, 16919), (395, 16922), (430, 16958), (455, 17000), (477, 17018), (480, 17024), (495, 17048), (496, 17051), (499, 17057), (516, 17090), (642, 17300), (658, 17339), (663, 17357),

Gene: Fibonacci_27 Start: 19733, Stop: 20755, Start Num: 90
Candidate Starts for Fibonacci_27:
(Start: 90 @19733 has 231 MA's), (Start: 124 @19790 has 2 MA's), (161, 19865), (248, 19994), (281, 20054), (318, 20114), (327, 20120), (350, 20162), (379, 20207), (382, 20213), (428, 20297), (450, 20330), (607, 20612), (614, 20621), (621, 20636), (659, 20702),

Gene: Findley_18 Start: 13892, Stop: 15019, Start Num: 26
Candidate Starts for Findley_18:
(Start: 26 @13892 has 11 MA's), (29, 13901), (59, 14003), (120, 14093), (138, 14135), (140, 14138), (157, 14162), (213, 14261), (251, 14324), (268, 14363), (300, 14417), (343, 14483), (350, 14495), (382, 14546), (394, 14570), (455, 14648), (477, 14666), (495, 14696), (499, 14705), (516, 14738), (517, 14741), (581, 14855), (634, 14933), (642, 14948), (658, 14987), (663, 15005),

Gene: Finemlucis_17 Start: 16080, Stop: 16994, Start Num: 89
Candidate Starts for Finemlucis_17:
(Start: 89 @16080 has 84 MA's), (111, 16104), (Start: 124 @16134 has 2 MA's), (197, 16260), (251, 16332), (348, 16485), (349, 16488), (350, 16491), (370, 16521), (405, 16578), (417, 16602), (421, 16608), (467, 16677), (476, 16695), (488, 16716), (517, 16782), (549, 16845), (641, 16974), (649, 16986),

Gene: Finkle_18 Start: 15435, Stop: 16259, Start Num: 181
Candidate Starts for Finkle_18:
(Start: 181 @15435 has 1 MA's), (219, 15498), (221, 15501), (224, 15510), (251, 15555), (307, 15666), (353, 15741), (429, 15861), (506, 15990), (534, 16047), (648, 16215),

Gene: Finnry_18 Start: 16494, Stop: 17384, Start Num: 89
Candidate Starts for Finnry_18:
(Start: 89 @16494 has 84 MA's), (111, 16518), (130, 16563), (137, 16578), (150, 16599), (208, 16695), (299, 16830), (304, 16839), (349, 16899), (350, 16902), (354, 16908), (401, 16980), (417, 17013), (467, 17088), (494, 17142), (505, 17163), (525, 17214), (549, 17256), (641, 17367), (643, 17370),

Gene: Fionnbharth_23 Start: 17490, Stop: 18623, Start Num: 24
Candidate Starts for Fionnbharth_23:
(Start: 24 @17490 has 231 MA's), (29, 17508), (46, 17580), (59, 17610), (120, 17700), (138, 17742), (156, 17766), (214, 17871), (348, 18093), (350, 18099), (454, 18249), (455, 18252), (477, 18270), (495, 18300), (516, 18342), (517, 18345), (539, 18396), (634, 18537), (642, 18552), (658, 18591), (663, 18609),

Gene: Fireball_31 Start: 25055, Stop: 25987, Start Num: 77
Candidate Starts for Fireball_31:
(Start: 77 @25055 has 34 MA's), (137, 25151), (170, 25220), (175, 25226), (194, 25250), (204, 25265), (213, 25283), (343, 25475), (395, 25553), (430, 25598), (443, 25622), (474, 25661), (520, 25757), (539, 25799), (563, 25835), (584, 25865), (612, 25910), (624, 25931), (650, 25982),

Gene: FiringLine_27 Start: 19105, Stop: 20121, Start Num: 90
Candidate Starts for FiringLine_27:

(Start: 90 @19105 has 231 MA's), (137, 19180), (149, 19198), (164, 19234), (188, 19273), (327, 19480), (349, 19519), (350, 19522), (499, 19789), (548, 19891), (596, 19966), (607, 19978), (659, 20068),

Gene: First_0027 Start: 19219, Stop: 20229, Start Num: 90
Candidate Starts for First_0027:
(Start: 90 @19219 has 231 MA's), (Start: 124 @19273 has 2 MA's), (149, 19312), (188, 19387), (281, 19528), (327, 19594), (349, 19633), (350, 19636), (480, 19864), (499, 19897), (548, 19999), (561, 20020), (596, 20074), (607, 20086), (659, 20176),

Gene: Fitzgerald_32 Start: 29941, Stop: 30897, Start Num: 71
Candidate Starts for Fitzgerald_32:
(Start: 71 @29941 has 52 MA's), (175, 30127), (183, 30139), (204, 30166), (214, 30187), (262, 30247), (322, 30337), (343, 30373), (366, 30406), (373, 30421), (381, 30433), (398, 30463), (400, 30469), (443, 30529), (498, 30619), (539, 30709), (554, 30733), (563, 30745), (605, 30811), (616, 30826), (631, 30850), (637, 30862), (650, 30892),

Gene: FlagStaff_17 Start: 15628, Stop: 16848, Start Num: 18
Candidate Starts for FlagStaff_17:
(5, 15304), (Start: 18 @15628 has 1 MA's), (Start: 24 @15664 has 231 MA's), (59, 15790), (Start: 109 @15850 has 8 MA's), (120, 15874), (138, 15916), (140, 15919), (202, 16021), (214, 16045), (222, 16060), (224, 16066), (243, 16105), (248, 16111), (332, 16255), (341, 16273), (354, 16294), (358, 16300), (373, 16324), (393, 16360), (495, 16525), (516, 16567), (518, 16573), (621, 16744), (656, 16810),

Gene: Flapper_44 Start: 30267, Stop: 31184, Start Num: 105
Candidate Starts for Flapper_44:
(Start: 105 @30267 has 26 MA's), (Start: 143 @30345 has 1 MA's), (232, 30498), (299, 30627), (411, 30798), (549, 31053), (595, 31128), (613, 31149),

Gene: Flare16_27 Start: 19201, Stop: 20217, Start Num: 90
Candidate Starts for Flare16_27:
(Start: 90 @19201 has 231 MA's), (137, 19276), (149, 19294), (164, 19330), (188, 19369), (299, 19546), (327, 19576), (349, 19615), (350, 19618), (607, 20074), (621, 20098),

Gene: Flatwoods_34 Start: 28876, Stop: 29832, Start Num: 71
Candidate Starts for Flatwoods_34:
(Start: 71 @28876 has 52 MA's), (161, 29032), (175, 29062), (183, 29074), (194, 29086), (204, 29101), (210, 29113), (322, 29272), (343, 29308), (381, 29368), (394, 29392), (400, 29404), (443, 29464), (498, 29554), (539, 29644), (554, 29668), (563, 29680), (605, 29746), (616, 29761), (631, 29785), (637, 29797),

Gene: Flaverint_27 Start: 19730, Stop: 20752, Start Num: 90
Candidate Starts for Flaverint_27:
(Start: 90 @19730 has 231 MA's), (Start: 124 @19787 has 2 MA's), (161, 19862), (248, 19991), (281, 20051), (318, 20111), (327, 20117), (350, 20159), (379, 20204), (382, 20210), (428, 20294), (450, 20327), (607, 20609), (614, 20618), (621, 20633), (659, 20699),

Gene: Float294_42 Start: 29990, Stop: 30907, Start Num: 105
Candidate Starts for Float294_42:
(Start: 105 @29990 has 26 MA's), (Start: 143 @30068 has 1 MA's), (186, 30143), (248, 30251), (293, 30335), (410, 30515), (411, 30521), (519, 30737), (549, 30776), (595, 30851), (606, 30863), (613, 30872), (625, 30893),

Gene: Floral_19 Start: 16661, Stop: 17569, Start Num: 147
Candidate Starts for Floral_19:
(Start: 147 @16661 has 26 MA's), (175, 16718), (261, 16853), (273, 16868), (275, 16871), (303, 16922), (387, 17030), (414, 17078), (426, 17102), (437, 17120), (441, 17126), (465, 17162), (533, 17318), (560, 17345), (569, 17357), (578, 17372), (607, 17417), (618, 17435), (623, 17444), (645, 17480), (646, 17483), (660, 17519), (661, 17525), (663, 17531),

Gene: Florence1_23 Start: 18436, Stop: 19449, Start Num: 97
Candidate Starts for Florence1_23:
(Start: 97 @18436 has 85 MA's), (149, 18532), (163, 18565), (164, 18568), (281, 18742), (296, 18772), (318, 18802), (327, 18808), (336, 18826), (350, 18850), (377, 18892), (472, 19063), (536, 19204), (607, 19306), (623, 19333), (659, 19396),

Gene: Florence4_24 Start: 18436, Stop: 19449, Start Num: 97
Candidate Starts for Florence4_24:
(Start: 97 @18436 has 85 MA's), (149, 18532), (163, 18565), (164, 18568), (281, 18742), (296, 18772), (318, 18802), (327, 18808), (336, 18826), (350, 18850), (377, 18892), (472, 19063), (536, 19204), (607, 19306), (623, 19333), (659, 19396),

Gene: ForGetIt_23 Start: 18499, Stop: 19512, Start Num: 97
Candidate Starts for ForGetIt_23:
(Start: 97 @18499 has 85 MA's), (149, 18595), (163, 18628), (164, 18631), (188, 18670), (217, 18718), (327, 18871), (336, 18889), (350, 18913), (377, 18955), (536, 19267), (607, 19369), (623, 19396),

Gene: ForesterFrank_28 Start: 20675, Stop: 21688, Start Num: 90
Candidate Starts for ForesterFrank_28:
(Start: 90 @20675 has 231 MA's), (149, 20768), (164, 20804), (188, 20843), (327, 21050), (349, 21089), (350, 21092), (379, 21137), (412, 21197), (479, 21320), (480, 21323), (607, 21545),

Gene: Forge_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Forge_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Forza_100 Start: 59008, Stop: 59943, Start Num: 101
Candidate Starts for Forza_100:
(Start: 101 @59008 has 5 MA's), (112, 59023), (114, 59029), (118, 59035), (Start: 169 @59152 has 1 MA's), (172, 59155), (Start: 207 @59206 has 1 MA's), (225, 59242), (296, 59377), (318, 59413), (340, 59443), (485, 59695), (506, 59740), (517, 59770), (519, 59776), (532, 59803), (557, 59842), (599, 59911),

Gene: Fosterous_32 Start: 29783, Stop: 30739, Start Num: 71
Candidate Starts for Fosterous_32:
(Start: 71 @29783 has 52 MA's), (175, 29969), (183, 29981), (204, 30008), (214, 30029), (262, 30089), (319, 30176), (322, 30179), (343, 30215), (366, 30248), (373, 30263), (381, 30275), (398, 30305), (400, 30311), (443, 30371), (498, 30461), (539, 30551), (554, 30575), (563, 30587), (605, 30653), (616, 30668), (631, 30692), (637, 30704), (650, 30734),

Gene: Foxboro_41 Start: 30385, Stop: 31326, Start Num: 105

Candidate Starts for Foxboro_41:
(Start: 105 @30385 has 26 MA's), (Start: 143 @30472 has 1 MA's), (186, 30547), (227, 30613), (248, 30655), (277, 30712), (411, 30925), (425, 30952), (488, 31063), (549, 31195), (613, 31291),

Gene: Francois_21 Start: 16316, Stop: 17377, Start Num: 53
Candidate Starts for Francois_21:
(Start: 53 @16316 has 18 MA's), (Start: 84 @16361 has 25 MA's), (Start: 109 @16391 has 8 MA's), (164, 16499), (252, 16649), (272, 16697), (323, 16781), (328, 16790), (354, 16832), (487, 17042), (508, 17078), (619, 17273), (657, 17345), (658, 17348),

Gene: FreakyGoo_28 Start: 21457, Stop: 22368, Start Num: 82
Candidate Starts for FreakyGoo_28:
(Start: 82 @21457 has 21 MA's), (Start: 143 @21559 has 1 MA's), (156, 21577), (161, 21592), (208, 21664), (213, 21673), (267, 21751), (348, 21886), (349, 21889), (350, 21892), (395, 21961), (417, 22003), (421, 22009), (503, 22150), (513, 22171), (517, 22183), (608, 22306), (617, 22318),

Gene: Frizzle_15 Start: 13493, Stop: 14353, Start Num: 73
Candidate Starts for Frizzle_15:
(Start: 66 @13487 has 10 MA's), (Start: 73 @13493 has 24 MA's), (Start: 103 @13520 has 5 MA's), (Start: 105 @13523 has 26 MA's), (189, 13682), (216, 13727), (217, 13730), (287, 13832), (296, 13850), (372, 13958), (517, 14144), (518, 14147), (560, 14219), (609, 14285), (632, 14321),

Gene: FroggyToad_16 Start: 13856, Stop: 14704, Start Num: 166
Candidate Starts for FroggyToad_16:
(Start: 166 @13856 has 45 MA's), (171, 13862), (Start: 174 @13865 has 36 MA's), (262, 14018), (270, 14033), (281, 14051), (287, 14060), (295, 14081), (297, 14084), (379, 14207), (383, 14216), (385, 14219), (390, 14228), (411, 14270), (429, 14291), (477, 14363), (540, 14513), (654, 14675),

Gene: Frokostdame_18 Start: 15774, Stop: 16619, Start Num: 88
Candidate Starts for Frokostdame_18:
(Start: 70 @15759 has 13 MA's), (Start: 88 @15774 has 1 MA's), (141, 15876), (161, 15915), (209, 15996), (268, 16080), (280, 16095), (352, 16203), (425, 16287), (477, 16353), (480, 16359), (510, 16398), (562, 16488), (594, 16530),

Gene: Frosty24_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Frosty24_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: FuegoCuervo_36 Start: 28328, Stop: 29284, Start Num: 71
Candidate Starts for FuegoCuervo_36:
(Start: 71 @28328 has 52 MA's), (175, 28514), (183, 28526), (204, 28553), (214, 28574), (262, 28634), (319, 28721), (322, 28724), (343, 28760), (366, 28793), (373, 28808), (381, 28820), (398, 28850), (400, 28856), (443, 28916), (498, 29006), (539, 29096), (554, 29120), (563, 29132), (605, 29198), (616, 29213), (631, 29237), (637, 29249), (650, 29279),

Gene: Fugax_32 Start: 25634, Stop: 26578, Start Num: 77
Candidate Starts for Fugax_32:
(Start: 77 @25634 has 34 MA's), (137, 25739), (170, 25808), (175, 25814), (194, 25838), (204, 25853), (443, 26213), (454, 26228), (471, 26246), (520, 26348), (539, 26390), (563, 26426), (624, 26522),

(650, 26573),

Gene: Fury_49 Start: 29757, Stop: 30677, Start Num: 105
Candidate Starts for Fury_49:
(Start: 105 @29757 has 26 MA's), (Start: 143 @29838 has 1 MA's), (186, 29913), (217, 29964), (277, 30078), (410, 30285), (549, 30546), (590, 30609), (613, 30642),

Gene: GAL1_19 Start: 16068, Stop: 16979, Start Num: 156
Candidate Starts for GAL1_19:
(156, 16068), (215, 16173), (236, 16197), (238, 16200), (240, 16203), (249, 16221), (261, 16248), (273, 16263), (291, 16290), (296, 16302), (303, 16314), (313, 16332), (326, 16347), (331, 16356), (339, 16365), (378, 16419), (396, 16449), (414, 16485), (416, 16491), (418, 16494), (423, 16500), (437, 16527), (441, 16533), (465, 16569), (468, 16575), (492, 16623), (506, 16653), (524, 16701), (527, 16710), (533, 16725), (558, 16749), (569, 16764), (578, 16779), (588, 16791), (607, 16824), (614, 16833), (645, 16887), (646, 16890),

Gene: GMA1_18 Start: 15118, Stop: 15930, Start Num: 181
Candidate Starts for GMA1_18:
(Start: 181 @15118 has 1 MA's), (199, 15145), (224, 15196), (281, 15301), (283, 15304), (287, 15310), (353, 15421), (355, 15424), (379, 15460), (406, 15508), (456, 15589), (538, 15739), (555, 15772), (635, 15859),

Gene: GMA2_29 Start: 30651, Stop: 31595, Start Num: 84
Candidate Starts for GMA2_29:
(Start: 84 @30651 has 25 MA's), (114, 30681), (118, 30687), (125, 30702), (144, 30750), (172, 30807), (220, 30882), (230, 30903), (250, 30942), (296, 31029), (318, 31065), (330, 31077), (334, 31086), (340, 31095), (379, 31152), (488, 31350), (506, 31392), (519, 31428), (532, 31455), (535, 31461), (557, 31494), (573, 31518), (599, 31563),

Gene: GRU1_30 Start: 22167, Stop: 23084, Start Num: 105
Candidate Starts for GRU1_30:
(Start: 105 @22167 has 26 MA's), (Start: 143 @22245 has 1 MA's), (232, 22398), (293, 22512), (299, 22527), (341, 22590), (411, 22698), (549, 22953), (595, 23028), (613, 23049),

Gene: GTE5_31 Start: 23122, Stop: 24039, Start Num: 105
Candidate Starts for GTE5_31:
(Start: 105 @23122 has 26 MA's), (Start: 143 @23200 has 1 MA's), (232, 23353), (299, 23482), (411, 23653), (495, 23809), (549, 23908), (595, 23983), (613, 24004),

Gene: GTE6_31 Start: 27069, Stop: 28046, Start Num: 84
Candidate Starts for GTE6_31:
(Start: 84 @27069 has 25 MA's), (Start: 102 @27081 has 1 MA's), (118, 27108), (140, 27156), (164, 27210), (215, 27288), (260, 27384), (281, 27417), (299, 27456), (385, 27585), (401, 27618), (419, 27654), (518, 27840), (532, 27870), (573, 27933), (593, 27966), (640, 28035),

Gene: GTE8_29 Start: 23138, Stop: 24079, Start Num: 105
Candidate Starts for GTE8_29:
(Start: 105 @23138 has 26 MA's), (Start: 143 @23225 has 1 MA's), (186, 23300), (248, 23408), (266, 23447), (341, 23570), (411, 23678), (488, 23816), (549, 23948), (613, 24044),

Gene: Gabriela_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for Gabriela_17:

(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Gaea_33 Start: 28524, Stop: 29480, Start Num: 71
Candidate Starts for Gaea_33:
(Start: 71 @28524 has 52 MA's), (161, 28680), (175, 28710), (183, 28722), (194, 28734), (204, 28749), (210, 28761), (322, 28920), (343, 28956), (381, 29016), (394, 29040), (400, 29052), (443, 29112), (498, 29202), (522, 29253), (539, 29292), (554, 29316), (563, 29328), (605, 29394), (616, 29409), (627, 29427), (631, 29433), (637, 29445),

Gene: Gaia_13 Start: 13325, Stop: 14437, Start Num: 35
Candidate Starts for Gaia_13:
(Start: 35 @13325 has 2 MA's), (37, 13328), (95, 13421), (Start: 101 @13427 has 5 MA's), (Start: 124 @13472 has 2 MA's), (137, 13502), (156, 13529), (157, 13532), (159, 13538), (164, 13553), (165, 13556), (209, 13625), (213, 13631), (251, 13709), (283, 13766), (300, 13802), (343, 13868), (350, 13880), (408, 13982), (410, 13985), (422, 14012), (455, 14075), (516, 14156), (518, 14162), (545, 14219), (565, 14249), (574, 14264), (593, 14288), (596, 14294), (634, 14351), (663, 14423),

Gene: Gail_26 Start: 18165, Stop: 19187, Start Num: 90
Candidate Starts for Gail_26:
(Start: 90 @18165 has 231 MA's), (Start: 106 @18183 has 6 MA's), (Start: 124 @18219 has 2 MA's), (137, 18240), (149, 18258), (216, 18378), (299, 18510), (327, 18540), (349, 18579), (350, 18582), (379, 18627), (472, 18792), (489, 18828), (516, 18894), (607, 19044), (621, 19068),

Gene: Galadriel_34 Start: 30272, Stop: 31228, Start Num: 71
Candidate Starts for Galadriel_34:
(Start: 71 @30272 has 52 MA's), (175, 30458), (183, 30470), (204, 30497), (214, 30518), (262, 30578), (319, 30665), (322, 30668), (343, 30704), (366, 30737), (373, 30752), (381, 30764), (398, 30794), (400, 30800), (443, 30860), (498, 30950), (539, 31040), (554, 31064), (563, 31076), (605, 31142), (631, 31181), (637, 31193), (650, 31223),

Gene: Gambino_20 Start: 16105, Stop: 16965, Start Num: 70
Candidate Starts for Gambino_20:
(Start: 70 @16105 has 13 MA's), (Start: 88 @16120 has 1 MA's), (141, 16222), (161, 16261), (209, 16342), (268, 16426), (280, 16441), (352, 16549), (425, 16633), (477, 16699), (480, 16705), (510, 16744), (562, 16834), (594, 16876),

Gene: Gancho_20 Start: 16036, Stop: 17130, Start Num: 49
Candidate Starts for Gancho_20:
(Start: 49 @16036 has 22 MA's), (52, 16045), (117, 16141), (Start: 124 @16150 has 2 MA's), (127, 16159), (157, 16210), (159, 16216), (213, 16306), (216, 16312), (226, 16330), (258, 16399), (263, 16408), (272, 16429), (276, 16435), (280, 16441), (282, 16444), (323, 16516), (325, 16519), (428, 16675), (463, 16744), (498, 16816), (510, 16834), (529, 16888), (547, 16918), (565, 16945), (567, 16948), (593, 16984), (596, 16990), (604, 17002), (634, 17044), (642, 17059), (644, 17062), (656, 17092),

Gene: Ganymede_23 Start: 16031, Stop: 17167, Start Num: 24
Candidate Starts for Ganymede_23:
(Start: 24 @16031 has 231 MA's), (59, 16148), (120, 16238), (129, 16259), (138, 16280), (157, 16307), (300, 16562), (352, 16643), (395, 16718), (413, 16733), (495, 16844), (516, 16886), (565, 16979), (581, 17003), (642, 17096), (658, 17135), (663, 17153),

Gene: Garak_31 Start: 18964, Stop: 19980, Start Num: 90
Candidate Starts for Garak_31:
(Start: 90 @18964 has 231 MA's), (Start: 124 @19018 has 2 MA's), (149, 19057), (208, 19162), (299, 19309), (327, 19339), (349, 19378), (350, 19381), (402, 19468), (412, 19489), (480, 19615), (516, 19687), (607, 19837), (614, 19846), (659, 19927),

Gene: Gardann_17 Start: 16079, Stop: 16993, Start Num: 89
Candidate Starts for Gardann_17:
(Start: 89 @16079 has 84 MA's), (111, 16103), (Start: 124 @16133 has 2 MA's), (197, 16259), (251, 16331), (348, 16484), (349, 16487), (350, 16490), (370, 16520), (405, 16577), (417, 16601), (421, 16607), (467, 16676), (476, 16694), (488, 16715), (513, 16769), (517, 16781), (549, 16844), (641, 16973), (649, 16985),

Gene: GardenSalsa_31 Start: 22001, Stop: 22912, Start Num: 82
Candidate Starts for GardenSalsa_31:
(Start: 82 @22001 has 21 MA's), (91, 22010), (Start: 124 @22064 has 2 MA's), (140, 22100), (Start: 143 @22103 has 1 MA's), (156, 22121), (161, 22136), (Start: 207 @22205 has 1 MA's), (208, 22208), (349, 22433), (350, 22436), (370, 22466), (421, 22553), (493, 22673), (517, 22727), (523, 22742), (537, 22775), (639, 22898),

Gene: Gattaca_48 Start: 25618, Stop: 26580, Start Num: 89
Candidate Starts for Gattaca_48:
(Start: 89 @25618 has 84 MA's), (161, 25750), (175, 25774), (182, 25783), (185, 25789), (192, 25798), (208, 25822), (213, 25831), (219, 25843), (294, 25969), (341, 26050), (350, 26065), (354, 26071), (417, 26179), (493, 26305), (497, 26311), (527, 26386), (582, 26461), (586, 26467), (593, 26479), (594, 26482), (651, 26569), (653, 26572), (655, 26575),

Gene: GaugeLDP_29 Start: 20459, Stop: 21469, Start Num: 90
Candidate Starts for GaugeLDP_29:
(Start: 90 @20459 has 231 MA's), (149, 20552), (164, 20588), (188, 20627), (327, 20834), (349, 20873), (350, 20876), (548, 21239), (607, 21326), (621, 21350),

Gene: Geeche_46 Start: 28531, Stop: 29412, Start Num: 69
Candidate Starts for Geeche_46:
(Start: 69 @28531 has 12 MA's), (108, 28579), (120, 28606), (158, 28678), (196, 28744), (213, 28774), (288, 28882), (350, 28975), (369, 28999), (376, 29014), (455, 29110), (495, 29158), (604, 29338), (628, 29374),

Gene: GemG_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for GemG_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: GenevaB15_31 Start: 22046, Stop: 22957, Start Num: 82
Candidate Starts for GenevaB15_31:
(Start: 82 @22046 has 21 MA's), (91, 22055), (Start: 124 @22109 has 2 MA's), (140, 22145), (Start: 143 @22148 has 1 MA's), (156, 22166), (161, 22181), (164, 22190), (Start: 207 @22250 has 1 MA's), (208, 22253), (349, 22478), (350, 22481), (370, 22511), (421, 22598), (503, 22739), (523, 22787), (537, 22820), (639, 22943),

Gene: Gengar_20 Start: 16348, Stop: 17478, Start Num: 28

Candidate Starts for Gengar_20:
(Start: 28 @16348 has 23 MA's), (107, 16522), (137, 16588), (138, 16591), (157, 16618), (213, 16717), (268, 16819), (300, 16873), (324, 16903), (343, 16939), (345, 16942), (350, 16951), (394, 17026), (395, 17029), (430, 17065), (455, 17107), (477, 17125), (480, 17131), (495, 17155), (496, 17158), (499, 17164), (516, 17197), (642, 17407), (658, 17446), (663, 17464),

Gene: Geodirt_31 Start: 29258, Stop: 30214, Start Num: 71
Candidate Starts for Geodirt_31:
(Start: 71 @29258 has 52 MA's), (175, 29444), (183, 29456), (204, 29483), (214, 29504), (262, 29564), (322, 29654), (343, 29690), (366, 29723), (373, 29738), (381, 29750), (398, 29780), (400, 29786), (443, 29846), (498, 29936), (539, 30026), (554, 30050), (563, 30062), (605, 30128), (616, 30143), (631, 30167), (637, 30179),

Gene: George_22 Start: 18648, Stop: 19661, Start Num: 97
Candidate Starts for George_22:
(Start: 97 @18648 has 85 MA's), (149, 18744), (163, 18777), (164, 18780), (188, 18819), (281, 18954), (318, 19014), (327, 19020), (336, 19038), (350, 19062), (377, 19104), (536, 19416), (607, 19518), (659, 19608),

Gene: Georgie2_28 Start: 19096, Stop: 20112, Start Num: 90
Candidate Starts for Georgie2_28:
(Start: 90 @19096 has 231 MA's), (137, 19171), (149, 19189), (164, 19225), (188, 19264), (327, 19471), (349, 19510), (350, 19513), (499, 19780), (548, 19882), (596, 19957), (607, 19969), (659, 20059),

Gene: Geraldini_22 Start: 16027, Stop: 17163, Start Num: 24
Candidate Starts for Geraldini_22:
(Start: 24 @16027 has 231 MA's), (59, 16144), (120, 16234), (129, 16255), (138, 16276), (157, 16303), (300, 16558), (352, 16639), (395, 16714), (413, 16729), (495, 16840), (499, 16849), (516, 16882), (565, 16975), (581, 16999), (642, 17092), (658, 17131), (663, 17149),

Gene: Gezellig_30 Start: 25052, Stop: 25996, Start Num: 77
Candidate Starts for Gezellig_30:
(Start: 77 @25052 has 34 MA's), (137, 25157), (170, 25226), (175, 25232), (194, 25256), (204, 25271), (443, 25631), (454, 25646), (471, 25664), (520, 25766), (539, 25808), (563, 25844), (624, 25940), (650, 25991),

Gene: Ghobes_15 Start: 13491, Stop: 14351, Start Num: 73
Candidate Starts for Ghobes_15:
(Start: 66 @13485 has 10 MA's), (Start: 73 @13491 has 24 MA's), (Start: 103 @13518 has 5 MA's), (Start: 105 @13521 has 26 MA's), (216, 13725), (217, 13728), (246, 13755), (287, 13830), (296, 13848), (372, 13956), (517, 14142), (518, 14145), (560, 14217), (609, 14283), (632, 14319), (645, 14343),

Gene: Ghoulboy_23 Start: 18814, Stop: 19827, Start Num: 97
Candidate Starts for Ghoulboy_23:
(Start: 97 @18814 has 85 MA's), (149, 18910), (163, 18943), (164, 18946), (188, 18985), (217, 19033), (327, 19186), (336, 19204), (350, 19228), (377, 19270), (536, 19582), (607, 19684), (623, 19711),

Gene: Gideon_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Gideon_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213,

15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Gilberta_27 Start: 19727, Stop: 20749, Start Num: 90
Candidate Starts for Gilberta_27:
(Start: 90 @19727 has 231 MA's), (Start: 124 @19784 has 2 MA's), (161, 19859), (248, 19988), (281, 20048), (318, 20108), (327, 20114), (350, 20156), (379, 20201), (382, 20207), (428, 20291), (450, 20324), (607, 20606), (614, 20615), (621, 20630), (659, 20696),

Gene: Giles_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Giles_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Gizermo_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for Gizermo_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: Gladiator_30 Start: 18950, Stop: 19966, Start Num: 90
Candidate Starts for Gladiator_30:
(Start: 90 @18950 has 231 MA's), (Start: 106 @18968 has 6 MA's), (Start: 124 @19004 has 2 MA's), (149, 19043), (208, 19148), (327, 19325), (349, 19364), (350, 19367), (402, 19454), (412, 19475), (480, 19601), (516, 19673), (607, 19823), (614, 19832), (659, 19913),

Gene: Glaske16_28 Start: 21456, Stop: 22367, Start Num: 82
Candidate Starts for Glaske16_28:
(Start: 82 @21456 has 21 MA's), (Start: 143 @21558 has 1 MA's), (156, 21576), (161, 21591), (208, 21663), (213, 21672), (267, 21750), (348, 21885), (349, 21888), (350, 21891), (395, 21960), (417, 22002), (421, 22008), (503, 22149), (513, 22170), (517, 22182), (608, 22305), (617, 22317),

Gene: GodSpeed_18 Start: 15640, Stop: 16833, Start Num: 24
Candidate Starts for GodSpeed_18:
(5, 15277), (Start: 18 @15604 has 1 MA's), (Start: 24 @15640 has 231 MA's), (59, 15766), (Start: 70 @15784 has 13 MA's), (Start: 109 @15835 has 8 MA's), (120, 15859), (138, 15901), (140, 15904), (159, 15934), (202, 16006), (214, 16030), (222, 16045), (243, 16090), (248, 16096), (332, 16240), (358, 16285), (373, 16309), (393, 16345), (495, 16510), (516, 16552), (621, 16729), (656, 16795),

Gene: GodonK_88 Start: 51377, Stop: 52333, Start Num: 77
Candidate Starts for GodonK_88:
(Start: 77 @51377 has 34 MA's), (114, 51416), (161, 51521), (172, 51542), (Start: 207 @51593 has 1 MA's), (211, 51599), (228, 51632), (318, 51800), (340, 51830), (436, 52010), (469, 52064), (488, 52085), (495, 52103), (506, 52127), (516, 52154), (517, 52157), (519, 52163), (532, 52190), (544, 52208), (596, 52292), (599, 52298), (602, 52301),

Gene: GoldenAsh_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for GoldenAsh_17:

(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Gollum_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Gollum_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (548, 16116), (559, 16134), (607, 16203), (668, 16341),

Gene: Gomashi_17 Start: 15478, Stop: 16650, Start Num: 24
Candidate Starts for Gomashi_17:
(5, 15145), (Start: 24 @15478 has 231 MA's), (59, 15598), (Start: 70 @15616 has 13 MA's), (107, 15661), (Start: 109 @15667 has 8 MA's), (137, 15730), (159, 15766), (201, 15835), (202, 15838), (213, 15859), (248, 15913), (268, 15958), (289, 15988), (350, 16090), (358, 16102), (368, 16114), (377, 16132), (477, 16297), (495, 16327), (508, 16345), (516, 16369), (583, 16489), (642, 16579), (656, 16612),

Gene: GoongGoong_48 Start: 25658, Stop: 26620, Start Num: 89
Candidate Starts for GoongGoong_48:
(Start: 89 @25658 has 84 MA's), (161, 25790), (175, 25814), (182, 25823), (185, 25829), (192, 25838), (208, 25862), (213, 25871), (219, 25883), (294, 26009), (341, 26090), (350, 26105), (354, 26111), (417, 26219), (493, 26345), (497, 26351), (582, 26501), (586, 26507), (593, 26519), (594, 26522), (651, 26609), (653, 26612), (655, 26615),

Gene: GrandSlam_21 Start: 16827, Stop: 17888, Start Num: 53
Candidate Starts for GrandSlam_21:
(Start: 53 @16827 has 18 MA's), (Start: 84 @16872 has 25 MA's), (Start: 109 @16902 has 8 MA's), (164, 17010), (252, 17160), (272, 17208), (323, 17292), (328, 17301), (354, 17343), (468, 17520), (508, 17589), (596, 17751), (619, 17784), (657, 17856), (658, 17859),

Gene: Gratitude_28 Start: 19643, Stop: 20659, Start Num: 90
Candidate Starts for Gratitude_28:
(Start: 90 @19643 has 231 MA's), (137, 19718), (149, 19736), (164, 19772), (188, 19811), (299, 19988), (327, 20018), (349, 20057), (350, 20060), (607, 20516), (621, 20540),

Gene: Gravaillia_21 Start: 16042, Stop: 17136, Start Num: 49
Candidate Starts for Gravaillia_21:
(Start: 49 @16042 has 22 MA's), (52, 16051), (117, 16147), (Start: 124 @16156 has 2 MA's), (127, 16165), (157, 16216), (159, 16222), (213, 16312), (216, 16318), (226, 16336), (258, 16405), (263, 16414), (272, 16435), (276, 16441), (280, 16447), (282, 16450), (323, 16522), (325, 16525), (428, 16681), (463, 16750), (498, 16822), (510, 16840), (529, 16894), (547, 16924), (565, 16951), (567, 16954), (593, 16990), (596, 16996), (604, 17008), (634, 17050), (642, 17065), (644, 17068), (656, 17098),

Gene: GreedyLawyer_30 Start: 18966, Stop: 19979, Start Num: 90
Candidate Starts for GreedyLawyer_30:
(Start: 90 @18966 has 231 MA's), (Start: 124 @19020 has 2 MA's), (149, 19059), (208, 19164), (299, 19311), (327, 19341), (349, 19380), (350, 19383), (379, 19428), (412, 19488), (516, 19686), (607, 19836), (614, 19845),

Gene: Grizzly_17 Start: 15480, Stop: 16652, Start Num: 24
Candidate Starts for Grizzly_17:
(5, 15147), (Start: 24 @15480 has 231 MA's), (59, 15600), (Start: 70 @15618 has 13 MA's), (107, 15663), (Start: 109 @15669 has 8 MA's), (137, 15732), (159, 15768), (201, 15837), (202, 15840), (213, 15861), (248, 15915), (268, 15960), (289, 15990), (350, 16092), (358, 16104), (368, 16116), (477, 16299), (495, 16329), (508, 16347), (516, 16371), (571, 16473), (583, 16491), (642, 16581), (656, 16614),

Gene: GrootJr_42 Start: 29261, Stop: 30202, Start Num: 105
Candidate Starts for GrootJr_42:
(Start: 105 @29261 has 26 MA's), (Start: 143 @29348 has 1 MA's), (186, 29423), (227, 29489), (248, 29531), (277, 29588), (411, 29801), (425, 29828), (488, 29939), (549, 30071), (613, 30167),

Gene: Groundhog_22 Start: 17602, Stop: 18624, Start Num: 97
Candidate Starts for Groundhog_22:
(Start: 97 @17602 has 85 MA's), (161, 17725), (163, 17731), (208, 17803), (281, 17908), (294, 17935), (350, 18025), (422, 18145), (465, 18226), (479, 18256), (480, 18259), (596, 18469), (623, 18508), (652, 18556), (659, 18571),

Gene: Gruunaga_30 Start: 18950, Stop: 19966, Start Num: 90
Candidate Starts for Gruunaga_30:
(Start: 90 @18950 has 231 MA's), (Start: 106 @18968 has 6 MA's), (Start: 124 @19004 has 2 MA's), (149, 19043), (208, 19148), (327, 19325), (349, 19364), (350, 19367), (402, 19454), (412, 19475), (480, 19601), (516, 19673), (607, 19823), (614, 19832), (659, 19913),

Gene: Guacamole_18 Start: 15791, Stop: 16657, Start Num: 66
Candidate Starts for Guacamole_18:
(Start: 66 @15791 has 10 MA's), (Start: 73 @15797 has 24 MA's), (161, 15953), (209, 16034), (280, 16133), (352, 16241), (425, 16325), (480, 16397), (562, 16526), (581, 16553), (594, 16568),

Gene: Guanica15_22 Start: 15243, Stop: 16379, Start Num: 24
Candidate Starts for Guanica15_22:
(Start: 24 @15243 has 231 MA's), (59, 15360), (120, 15450), (129, 15471), (157, 15519), (300, 15774), (352, 15855), (395, 15930), (413, 15945), (495, 16056), (516, 16098), (554, 16176), (565, 16191), (581, 16215), (642, 16308), (658, 16347), (663, 16365),

Gene: Gudmit_17 Start: 14713, Stop: 15558, Start Num: 169
Candidate Starts for Gudmit_17:
(Start: 166 @14707 has 45 MA's), (Start: 169 @14713 has 1 MA's), (223, 14800), (290, 14920), (379, 15061), (383, 15070), (402, 15106), (428, 15142), (540, 15367), (555, 15394), (587, 15427), (622, 15472), (654, 15529),

Gene: Guillsminger_20 Start: 16323, Stop: 17453, Start Num: 28
Candidate Starts for Guillsminger_20:
(Start: 28 @16323 has 23 MA's), (137, 16563), (138, 16566), (157, 16593), (213, 16692), (268, 16794), (300, 16848), (324, 16878), (343, 16914), (345, 16917), (350, 16926), (394, 17001), (395, 17004), (455, 17082), (477, 17100), (480, 17106), (495, 17130), (496, 17133), (499, 17139), (516, 17172), (642, 17382), (658, 17421), (663, 17439),

Gene: Gustav_17 Start: 14305, Stop: 15132, Start Num: 151
Candidate Starts for Gustav_17:
(Start: 151 @14305 has 14 MA's), (170, 14350), (188, 14374), (195, 14383), (237, 14437), (298, 14554), (337, 14605), (339, 14608), (370, 14653), (399, 14701), (403, 14713), (453, 14782), (468,

14797), (516, 14890), (564, 14938), (575, 14953), (579, 14959), (583, 14965), (589, 14974), (596, 14989), (614, 15010), (615, 15013), (640, 15046), (645, 15055),

Gene: Gustavo_33 Start: 28679, Stop: 29635, Start Num: 71
Candidate Starts for Gustavo_33:
(Start: 71 @28679 has 52 MA's), (156, 28820), (175, 28865), (183, 28877), (194, 28889), (204, 28904), (210, 28916), (223, 28943), (251, 28958), (262, 28985), (322, 29075), (343, 29111), (381, 29171), (400, 29207), (443, 29267), (498, 29357), (539, 29447), (554, 29471), (563, 29483), (605, 29549), (616, 29564), (631, 29588), (637, 29600),

Gene: GuuelaD_17 Start: 16108, Stop: 17022, Start Num: 89
Candidate Starts for GuuelaD_17:
(Start: 89 @16108 has 84 MA's), (111, 16132), (Start: 124 @16162 has 2 MA's), (348, 16513), (349, 16516), (350, 16519), (370, 16549), (405, 16606), (417, 16630), (421, 16636), (467, 16705), (476, 16723), (488, 16744), (517, 16810), (548, 16870), (549, 16873), (641, 17002), (649, 17014),

Gene: GuyFagieri_44 Start: 30280, Stop: 31170, Start Num: 124
Candidate Starts for GuyFagieri_44:
(Start: 63 @30193 has 10 MA's), (Start: 102 @30241 has 1 MA's), (Start: 124 @30280 has 2 MA's), (186, 30397), (212, 30436), (221, 30454), (248, 30505), (299, 30604), (350, 30679), (356, 30688), (472, 30892), (488, 30922), (502, 30958), (518, 30997), (549, 31039), (590, 31102), (595, 31114), (613, 31135),

Gene: HH92_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for HH92_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Hadrien_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Hadrien_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Hafay_17 Start: 16107, Stop: 17021, Start Num: 89
Candidate Starts for Hafay_17:
(Start: 89 @16107 has 84 MA's), (Start: 124 @16161 has 2 MA's), (197, 16287), (251, 16359), (348, 16512), (349, 16515), (350, 16518), (370, 16548), (405, 16605), (417, 16629), (421, 16635), (467, 16704), (476, 16722), (488, 16743), (513, 16797), (517, 16809), (549, 16872), (641, 17001), (649, 17013),

Gene: Hail_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Hail_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Halena_17 Start: 15866, Stop: 16747, Start Num: 89
Candidate Starts for Halena_17:
(55, 15812), (Start: 74 @15848 has 10 MA's), (Start: 89 @15866 has 84 MA's), (111, 15890), (Start: 124 @15920 has 2 MA's), (130, 15935), (150, 15968), (251, 16112), (349, 16268), (350, 16271), (354, 16277), (382, 16322), (401, 16349), (421, 16388), (445, 16421), (451, 16430), (467, 16457), (523, 16577), (549, 16625), (573, 16652), (613, 16691), (617, 16697), (641, 16736),

Gene: Haley23_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for Haley23_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: Halo_17 Start: 15472, Stop: 16644, Start Num: 24
Candidate Starts for Halo_17:
(5, 15139), (Start: 24 @15472 has 231 MA's), (59, 15592), (Start: 70 @15610 has 13 MA's), (107, 15655), (Start: 109 @15661 has 8 MA's), (137, 15724), (159, 15760), (201, 15829), (202, 15832), (213, 15853), (248, 15907), (268, 15952), (289, 15982), (350, 16084), (358, 16096), (368, 16108), (377, 16126), (477, 16291), (495, 16321), (508, 16339), (516, 16363), (583, 16483), (642, 16573), (656, 16606),

Gene: Halo3_31 Start: 25345, Stop: 26289, Start Num: 77
Candidate Starts for Halo3_31:
(Start: 77 @25345 has 34 MA's), (137, 25450), (170, 25519), (175, 25525), (194, 25549), (204, 25564), (443, 25924), (454, 25939), (471, 25957), (520, 26059), (539, 26101), (563, 26137), (624, 26233), (650, 26284),

Gene: Hammer_30 Start: 18965, Stop: 19981, Start Num: 90
Candidate Starts for Hammer_30:
(Start: 90 @18965 has 231 MA's), (Start: 106 @18983 has 6 MA's), (Start: 124 @19019 has 2 MA's), (149, 19058), (208, 19163), (327, 19340), (349, 19379), (350, 19382), (402, 19469), (412, 19490), (480, 19616), (516, 19688), (607, 19838), (614, 19847), (659, 19928),

Gene: Hammy_21 Start: 16436, Stop: 17572, Start Num: 24
Candidate Starts for Hammy_21:
(Start: 24 @16436 has 231 MA's), (59, 16553), (Start: 70 @16571 has 13 MA's), (98, 16604), (120, 16643), (157, 16712), (213, 16811), (216, 16817), (268, 16913), (300, 16967), (343, 17033), (350, 17045), (455, 17201), (480, 17225), (516, 17291), (517, 17294), (518, 17297), (565, 17384), (642, 17501), (658, 17540), (663, 17558),

Gene: Hamood_21 Start: 16827, Stop: 17888, Start Num: 53
Candidate Starts for Hamood_21:
(Start: 53 @16827 has 18 MA's), (Start: 84 @16872 has 25 MA's), (Start: 109 @16902 has 8 MA's), (164, 17010), (252, 17160), (272, 17208), (323, 17292), (328, 17301), (354, 17343), (468, 17520), (508, 17589), (596, 17751), (619, 17784), (657, 17856), (658, 17859),

Gene: Hanray_27 Start: 20531, Stop: 21544, Start Num: 90
Candidate Starts for Hanray_27:
(Start: 90 @20531 has 231 MA's), (Start: 106 @20549 has 6 MA's), (137, 20606), (149, 20624), (164, 20660), (281, 20840), (299, 20876), (327, 20906), (350, 20948), (440, 21107), (516, 21251), (548, 21314), (596, 21389), (607, 21401), (621, 21425),

Gene: Hans_34 Start: 28153, Stop: 29139, Start Num: 84
Candidate Starts for Hans_34:
(Start: 84 @28153 has 25 MA's), (158, 28276), (177, 28312), (215, 28372), (260, 28468), (329, 28579), (340, 28600), (401, 28702), (419, 28738), (529, 28954), (532, 28960), (541, 28975), (550, 28990), (573, 29026), (593, 29059), (594, 29062), (640, 29128),

Gene: Harlequin_22 Start: 15430, Stop: 16302, Start Num: 97
Candidate Starts for Harlequin_22:
(Start: 97 @15430 has 85 MA's), (120, 15469), (161, 15550), (163, 15556), (Start: 207 @15625 has 1 MA's), (260, 15703), (277, 15730), (350, 15841), (434, 15937), (548, 16066), (559, 16084), (596, 16141), (607, 16153), (668, 16291),

Gene: HarryHoudini_29 Start: 19660, Stop: 20676, Start Num: 90
Candidate Starts for HarryHoudini_29:
(Start: 90 @19660 has 231 MA's), (137, 19735), (149, 19753), (164, 19789), (188, 19828), (281, 19969), (327, 20035), (349, 20074), (350, 20077), (607, 20533), (621, 20557),

Gene: HedwigODU_22 Start: 16020, Stop: 17156, Start Num: 24
Candidate Starts for HedwigODU_22:
(Start: 24 @16020 has 231 MA's), (59, 16137), (120, 16227), (129, 16248), (138, 16269), (157, 16296), (300, 16551), (352, 16632), (395, 16707), (413, 16722), (495, 16833), (516, 16875), (565, 16968), (581, 16992), (642, 17085), (658, 17124), (663, 17142),

Gene: Heffalump_29 Start: 21031, Stop: 22041, Start Num: 90
Candidate Starts for Heffalump_29:
(Start: 90 @21031 has 231 MA's), (137, 21106), (149, 21124), (164, 21160), (188, 21199), (327, 21406), (349, 21445), (350, 21448), (548, 21811), (596, 21886), (607, 21898), (659, 21988),

Gene: Heftyboy_20 Start: 16471, Stop: 17601, Start Num: 28
Candidate Starts for Heftyboy_20:
(Start: 28 @16471 has 23 MA's), (107, 16645), (137, 16711), (138, 16714), (157, 16741), (213, 16840), (268, 16942), (300, 16996), (324, 17026), (343, 17062), (345, 17065), (350, 17074), (394, 17149), (395, 17152), (430, 17188), (455, 17230), (477, 17248), (480, 17254), (495, 17278), (496, 17281), (499, 17287), (516, 17320), (642, 17530), (658, 17569), (663, 17587),

Gene: Heinz_18 Start: 14187, Stop: 15035, Start Num: 151
Candidate Starts for Heinz_18:
(11, 13731), (51, 14007), (134, 14148), (Start: 151 @14187 has 14 MA's), (188, 14256), (208, 14286), (219, 14307), (248, 14340), (268, 14385), (344, 14499), (368, 14532), (370, 14538), (398, 14583), (403, 14598), (482, 14721), (488, 14730), (510, 14769), (525, 14802), (579, 14859), (607, 14901), (614, 14910), (645, 14961), (649, 14967), (663, 15006),

Gene: Helmet_30 Start: 18964, Stop: 19980, Start Num: 90
Candidate Starts for Helmet_30:
(Start: 90 @18964 has 231 MA's), (Start: 124 @19018 has 2 MA's), (149, 19057), (208, 19162), (299, 19309), (327, 19339), (349, 19378), (350, 19381), (402, 19468), (412, 19489), (480, 19615), (516, 19687), (607, 19837), (614, 19846), (659, 19927),

Gene: Herbertwm_24 Start: 17773, Stop: 18798, Start Num: 90
Candidate Starts for Herbertwm_24:
(Start: 90 @17773 has 231 MA's), (Start: 106 @17791 has 6 MA's), (137, 17848), (149, 17866), (164, 17902), (188, 17941), (281, 18082), (327, 18148), (350, 18190), (403, 18280), (432, 18343), (489, 18439), (596, 18643), (607, 18655), (621, 18679), (659, 18745), (661, 18754),

Gene: Herod_18 Start: 16940, Stop: 17767, Start Num: 174
Candidate Starts for Herod_18:
(Start: 174 @16940 has 36 MA's), (221, 17015), (287, 17135), (290, 17141), (333, 17207), (340, 17219), (377, 17276), (382, 17285), (402, 17321), (408, 17330), (426, 17351), (477, 17435), (511, 17510), (521, 17531), (605, 17654), (629, 17687),

Gene: Hexamo_30 Start: 18932, Stop: 19948, Start Num: 90
Candidate Starts for Hexamo_30:
(Start: 90 @18932 has 231 MA's), (Start: 106 @18950 has 6 MA's), (Start: 124 @18986 has 2 MA's), (149, 19025), (208, 19130), (327, 19307), (349, 19346), (350, 19349), (402, 19436), (412, 19457), (480, 19583), (516, 19655), (607, 19805), (614, 19814), (659, 19895),

Gene: Hibiscus_17 Start: 14141, Stop: 14983, Start Num: 151
Candidate Starts for Hibiscus_17:
(134, 14102), (Start: 151 @14141 has 14 MA's), (188, 14210), (208, 14240), (219, 14261), (248, 14294), (267, 14336), (268, 14339), (403, 14546), (488, 14678), (525, 14750), (579, 14807), (607, 14849), (614, 14858), (645, 14909), (649, 14915), (663, 14954),

Gene: Hilltopfarm_23 Start: 18643, Stop: 19641, Start Num: 40
Candidate Starts for Hilltopfarm_23:
(Start: 40 @18643 has 6 MA's), (80, 18709), (137, 18799), (140, 18805), (165, 18853), (198, 18901), (213, 18928), (233, 18955), (234, 18958), (251, 18979), (279, 19030), (306, 19081), (316, 19090), (332, 19117), (377, 19192), (391, 19216), (480, 19306), (495, 19330), (496, 19333), (516, 19369), (539, 19423), (545, 19432), (572, 19474), (574, 19477), (634, 19558), (638, 19567), (658, 19612),

Gene: HippoHollow_28 Start: 20959, Stop: 21969, Start Num: 90
Candidate Starts for HippoHollow_28:
(Start: 90 @20959 has 231 MA's), (Start: 124 @21013 has 2 MA's), (137, 21034), (149, 21052), (188, 21127), (327, 21334), (350, 21376), (428, 21511), (480, 21604), (499, 21637), (548, 21739), (596, 21814), (607, 21826), (659, 21916),

Gene: Hiro_22 Start: 15736, Stop: 16608, Start Num: 97
Candidate Starts for Hiro_22:
(Start: 97 @15736 has 85 MA's), (120, 15775), (163, 15862), (Start: 207 @15931 has 1 MA's), (260, 16009), (277, 16036), (350, 16147), (434, 16243), (548, 16372), (559, 16390), (607, 16459), (668, 16597),

Gene: Hitter_18 Start: 15793, Stop: 16653, Start Num: 73
Candidate Starts for Hitter_18:
(Start: 66 @15787 has 10 MA's), (Start: 73 @15793 has 24 MA's), (161, 15949), (209, 16030), (280, 16129), (352, 16237), (425, 16321), (477, 16387), (510, 16432), (562, 16522), (594, 16564),

Gene: Holex_27 Start: 20531, Stop: 21544, Start Num: 90
Candidate Starts for Holex_27:
(Start: 90 @20531 has 231 MA's), (Start: 106 @20549 has 6 MA's), (137, 20606), (149, 20624), (164, 20660), (281, 20840), (299, 20876), (327, 20906), (350, 20948), (440, 21107), (516, 21251), (548, 21314), (596, 21389), (607, 21401), (621, 21425),

Gene: HomeFry_46 Start: 28359, Stop: 29288, Start Num: 105
Candidate Starts for HomeFry_46:
(Start: 105 @28359 has 26 MA's), (Start: 143 @28440 has 1 MA's), (186, 28515), (217, 28566), (299, 28722), (386, 28857), (411, 28896), (549, 29151), (613, 29253),

Gene: Homura_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Homura_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Hoot_30 Start: 18945, Stop: 19958, Start Num: 90
Candidate Starts for Hoot_30:
(Start: 90 @18945 has 231 MA's), (Start: 124 @18999 has 2 MA's), (149, 19038), (208, 19143), (299, 19290), (327, 19320), (349, 19359), (350, 19362), (379, 19407), (412, 19467), (516, 19665), (607, 19815), (614, 19824),

Gene: Hope_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Hope_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Hortense_19 Start: 17069, Stop: 17905, Start Num: 166
Candidate Starts for Hortense_19:
(Start: 166 @17069 has 45 MA's), (Start: 174 @17078 has 36 MA's), (204, 17120), (221, 17153), (228, 17168), (256, 17216), (290, 17279), (292, 17285), (320, 17324), (353, 17378), (365, 17393), (379, 17417), (382, 17423), (402, 17459), (426, 17489), (430, 17498), (511, 17648), (555, 17738), (629, 17825),

Gene: HortumSL17_28 Start: 20527, Stop: 21540, Start Num: 90
Candidate Starts for HortumSL17_28:
(Start: 90 @20527 has 231 MA's), (Start: 106 @20545 has 6 MA's), (137, 20602), (149, 20620), (164, 20656), (281, 20836), (299, 20872), (327, 20902), (350, 20944), (440, 21103), (516, 21247), (548, 21310), (596, 21385), (607, 21397), (621, 21421),

Gene: Hotshotbaby7_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Hotshotbaby7_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Howe_19 Start: 17069, Stop: 17905, Start Num: 166
Candidate Starts for Howe_19:
(Start: 166 @17069 has 45 MA's), (Start: 174 @17078 has 36 MA's), (204, 17120), (221, 17153), (228, 17168), (256, 17216), (290, 17279), (292, 17285), (320, 17324), (353, 17378), (365, 17393), (379, 17417), (382, 17423), (402, 17459), (426, 17489), (430, 17498), (511, 17648), (555, 17738), (629, 17825),

Gene: HubbaBubba_38 Start: 25653, Stop: 26573, Start Num: 109
Candidate Starts for HubbaBubba_38:
(Start: 109 @25653 has 8 MA's), (Start: 143 @25734 has 1 MA's), (165, 25779), (212, 25848), (299, 26016), (356, 26100), (386, 26151), (459, 26274), (513, 26382), (519, 26400), (549, 26442), (563,

26463), (608, 26532), (613, 26538), (625, 26559),

Gene: Hugley_18 Start: 16940, Stop: 17767, Start Num: 174
Candidate Starts for Hugley_18:
(Start: 174 @16940 has 36 MA's), (221, 17015), (287, 17135), (290, 17141), (333, 17207), (340, 17219), (377, 17276), (382, 17285), (402, 17321), (408, 17330), (426, 17351), (477, 17435), (511, 17510), (521, 17531), (605, 17654), (629, 17687),

Gene: HuhtaEnerson15_23 Start: 18648, Stop: 19661, Start Num: 97
Candidate Starts for HuhtaEnerson15_23:
(Start: 97 @18648 has 85 MA's), (149, 18744), (163, 18777), (164, 18780), (188, 18819), (281, 18954), (318, 19014), (327, 19020), (336, 19038), (350, 19062), (377, 19104), (536, 19416), (607, 19518), (659, 19608),

Gene: Huphlepuff_51 Start: 26243, Stop: 27205, Start Num: 89
Candidate Starts for Huphlepuff_51:
(Start: 89 @26243 has 84 MA's), (161, 26375), (175, 26399), (182, 26408), (185, 26414), (192, 26423), (208, 26447), (213, 26456), (219, 26468), (227, 26480), (294, 26594), (341, 26675), (350, 26690), (354, 26696), (417, 26804), (493, 26930), (497, 26936), (527, 27011), (582, 27086), (586, 27092), (593, 27104), (594, 27107), (651, 27194), (653, 27197), (655, 27200),

Gene: Hurricane_21 Start: 16451, Stop: 17587, Start Num: 24
Candidate Starts for Hurricane_21:
(Start: 24 @16451 has 231 MA's), (59, 16574), (107, 16637), (Start: 109 @16643 has 8 MA's), (Start: 124 @16673 has 2 MA's), (138, 16706), (202, 16811), (213, 16832), (251, 16895), (268, 16934), (289, 16964), (343, 17051), (368, 17087), (477, 17234), (495, 17264), (499, 17273), (516, 17306), (517, 17309), (518, 17312), (565, 17399), (623, 17486), (656, 17549), (658, 17555),

Gene: Hutc2_27 Start: 19733, Stop: 20755, Start Num: 90
Candidate Starts for Hutc2_27:
(Start: 90 @19733 has 231 MA's), (Start: 124 @19790 has 2 MA's), (161, 19865), (248, 19994), (281, 20054), (318, 20114), (327, 20120), (350, 20162), (379, 20207), (382, 20213), (428, 20297), (450, 20330), (607, 20612), (614, 20621), (621, 20636), (659, 20702),

Gene: Hyperbowlee_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Hyperbowlee_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Hyzer_18 Start: 17011, Stop: 17838, Start Num: 174
Candidate Starts for Hyzer_18:
(Start: 174 @17011 has 36 MA's), (287, 17206), (290, 17212), (340, 17290), (377, 17347), (382, 17356), (402, 17392), (408, 17401), (426, 17422), (477, 17506), (511, 17581), (629, 17758),

Gene: IDyn_41 Start: 27049, Stop: 27969, Start Num: 109
Candidate Starts for IDyn_41:
(Start: 109 @27049 has 8 MA's), (Start: 143 @27130 has 1 MA's), (165, 27175), (212, 27244), (299, 27412), (356, 27496), (386, 27547), (411, 27580), (459, 27670), (513, 27778), (549, 27838), (608, 27928), (613, 27934), (625, 27955),

Gene: IPhane7_27 Start: 21457, Stop: 22368, Start Num: 82
Candidate Starts for IPhane7_27:

(Start: 82 @21457 has 21 MA's), (Start: 143 @21559 has 1 MA's), (156, 21577), (161, 21592), (208, 21664), (213, 21673), (267, 21751), (348, 21886), (349, 21889), (350, 21892), (395, 21961), (417, 22003), (421, 22009), (503, 22150), (513, 22171), (517, 22183), (608, 22306), (617, 22318),

Gene: Ibrahim_18 Start: 16018, Stop: 16983, Start Num: 78
Candidate Starts for Ibrahim_18:
(Start: 78 @16018 has 8 MA's), (104, 16045), (113, 16063), (216, 16240), (217, 16243), (260, 16318), (299, 16384), (315, 16411), (349, 16468), (354, 16477), (494, 16714), (507, 16738), (555, 16837), (570, 16858), (583, 16879), (610, 16918), (617, 16927),

Gene: IdentityCrisis_16 Start: 12920, Stop: 14107, Start Num: 34
Candidate Starts for IdentityCrisis_16:
(Start: 34 @12920 has 1 MA's), (Start: 49 @12968 has 22 MA's), (Start: 50 @12971 has 1 MA's), (Start: 87 @13034 has 1 MA's), (104, 13055), (139, 13130), (171, 13205), (242, 13313), (249, 13325), (251, 13328), (260, 13352), (273, 13373), (298, 13418), (346, 13499), (359, 13520), (367, 13529), (375, 13544), (379, 13550), (404, 13595), (407, 13598), (418, 13622), (420, 13625), (472, 13721), (533, 13853), (567, 13889), (569, 13892), (578, 13907), (623, 13979), (644, 14012), (646, 14018), (647, 14024), (649, 14027), (669, 14096),

Gene: Illumine_22 Start: 16034, Stop: 17170, Start Num: 24
Candidate Starts for Illumine_22:
(Start: 24 @16034 has 231 MA's), (59, 16151), (129, 16262), (138, 16283), (157, 16310), (214, 16412), (300, 16565), (352, 16646), (385, 16700), (395, 16721), (413, 16736), (495, 16847), (516, 16889), (565, 16982), (581, 17006), (642, 17099), (658, 17138), (663, 17156),

Gene: Indra_30 Start: 18965, Stop: 19981, Start Num: 90
Candidate Starts for Indra_30:
(Start: 90 @18965 has 231 MA's), (Start: 124 @19019 has 2 MA's), (149, 19058), (208, 19163), (299, 19310), (327, 19340), (349, 19379), (350, 19382), (402, 19469), (412, 19490), (480, 19616), (516, 19688), (607, 19838), (614, 19847), (659, 19928),

Gene: Inky_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Inky_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Insomnia_27 Start: 19788, Stop: 20810, Start Num: 90
Candidate Starts for Insomnia_27:
(Start: 90 @19788 has 231 MA's), (Start: 124 @19845 has 2 MA's), (161, 19920), (248, 20049), (281, 20109), (318, 20169), (327, 20175), (350, 20217), (379, 20262), (382, 20268), (428, 20352), (450, 20385), (607, 20667), (614, 20676), (621, 20691), (659, 20757),

Gene: Inspectinfecti_33 Start: 28515, Stop: 29501, Start Num: 84
Candidate Starts for Inspectinfecti_33:
(Start: 84 @28515 has 25 MA's), (158, 28638), (177, 28674), (215, 28734), (260, 28830), (329, 28941), (340, 28962), (401, 29064), (419, 29100), (529, 29316), (532, 29322), (541, 29337), (550, 29352), (573, 29388), (593, 29421), (594, 29424), (640, 29490),

Gene: Invectra_19 Start: 16870, Stop: 17706, Start Num: 166
Candidate Starts for Invectra_19:
(Start: 166 @16870 has 45 MA's), (Start: 174 @16879 has 36 MA's), (204, 16921), (221, 16954), (228, 16969), (290, 17080), (292, 17086), (320, 17125), (353, 17179), (379, 17218), (382, 17224), (402,

17260), (426, 17290), (430, 17299), (511, 17449), (555, 17539), (629, 17626),

Gene: InvictusManeo_20 Start: 16423, Stop: 17553, Start Num: 28
Candidate Starts for InvictusManeo_20:
(Start: 28 @16423 has 23 MA's), (107, 16597), (137, 16663), (138, 16666), (157, 16693), (213, 16792), (268, 16894), (300, 16948), (324, 16978), (343, 17014), (345, 17017), (350, 17026), (394, 17101), (395, 17104), (430, 17140), (455, 17182), (477, 17200), (480, 17206), (495, 17230), (496, 17233), (516, 17272), (642, 17482), (658, 17521), (663, 17539),

Gene: IronMan_29 Start: 20734, Stop: 21750, Start Num: 90
Candidate Starts for IronMan_29:
(Start: 90 @20734 has 231 MA's), (137, 20809), (149, 20827), (188, 20902), (281, 21043), (296, 21073), (327, 21109), (350, 21151), (403, 21241), (428, 21292), (499, 21418), (536, 21505), (607, 21607), (621, 21631),

Gene: Isiphiwo_30 Start: 18957, Stop: 19970, Start Num: 90
Candidate Starts for Isiphiwo_30:
(Start: 90 @18957 has 231 MA's), (Start: 124 @19011 has 2 MA's), (149, 19050), (208, 19155), (299, 19302), (327, 19332), (349, 19371), (350, 19374), (379, 19419), (412, 19479), (516, 19677), (607, 19827), (614, 19836),

Gene: Itos_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for Itos_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Iwokeuplikedis_28 Start: 18928, Stop: 19938, Start Num: 90
Candidate Starts for Iwokeuplikedis_28:
(Start: 90 @18928 has 231 MA's), (137, 19003), (149, 19021), (188, 19096), (327, 19303), (350, 19345), (379, 19390), (428, 19480), (480, 19573), (548, 19708), (596, 19783), (607, 19795),

Gene: Izel_28 Start: 21456, Stop: 22367, Start Num: 82
Candidate Starts for Izel_28:
(Start: 82 @21456 has 21 MA's), (Start: 143 @21558 has 1 MA's), (156, 21576), (161, 21591), (208, 21663), (213, 21672), (267, 21750), (348, 21885), (349, 21888), (350, 21891), (395, 21960), (417, 22002), (421, 22008), (503, 22149), (513, 22170), (517, 22182), (608, 22305), (617, 22317),

Gene: JAWS_22 Start: 16005, Stop: 17141, Start Num: 24
Candidate Starts for JAWS_22:
(Start: 24 @16005 has 231 MA's), (59, 16122), (120, 16212), (129, 16233), (138, 16254), (157, 16281), (300, 16536), (352, 16617), (395, 16692), (413, 16707), (495, 16818), (516, 16860), (565, 16953), (581, 16977), (642, 17070), (658, 17109), (663, 17127),

Gene: JCole_16 Start: 13901, Stop: 14749, Start Num: 166
Candidate Starts for JCole_16:
(128, 13814), (Start: 166 @13901 has 45 MA's), (171, 13907), (Start: 176 @13913 has 1 MA's), (255, 14042), (281, 14096), (297, 14129), (324, 14162), (377, 14249), (379, 14252), (390, 14273), (426, 14330), (537, 14552), (540, 14558), (654, 14720),

Gene: JF1_23 Start: 17489, Stop: 18622, Start Num: 24
Candidate Starts for JF1_23:

(Start: 24 @17489 has 231 MA's), (29, 17507), (46, 17579), (59, 17609), (120, 17699), (138, 17741), (156, 17765), (214, 17870), (348, 18092), (350, 18098), (454, 18248), (455, 18251), (477, 18269), (495, 18299), (516, 18341), (517, 18344), (539, 18395), (634, 18536), (642, 18551), (658, 18590), (663, 18608),

Gene: JKSyngboy_31 Start: 29254, Stop: 30210, Start Num: 71
Candidate Starts for JKSyngboy_31:
(Start: 71 @29254 has 52 MA's), (161, 29410), (175, 29440), (183, 29452), (194, 29464), (204, 29479), (210, 29491), (251, 29533), (319, 29647), (322, 29650), (343, 29686), (381, 29746), (394, 29770), (400, 29782), (443, 29842), (498, 29932), (539, 30022), (554, 30046), (563, 30058), (605, 30124), (616, 30139), (631, 30163), (637, 30175),

Gene: JSwag_29 Start: 18105, Stop: 19082, Start Num: 93
Candidate Starts for JSwag_29:
(Start: 93 @18105 has 22 MA's), (161, 18219), (163, 18225), (164, 18228), (308, 18462), (477, 18729), (514, 18783), (607, 18939),

Gene: Jaan_30 Start: 21123, Stop: 22139, Start Num: 90
Candidate Starts for Jaan_30:
(Start: 90 @21123 has 231 MA's), (137, 21198), (149, 21216), (188, 21291), (281, 21432), (296, 21462), (327, 21498), (350, 21540), (403, 21630), (422, 21666), (428, 21681), (499, 21807), (536, 21894), (607, 21996), (621, 22020),

Gene: Jabberwocky_32 Start: 30402, Stop: 31358, Start Num: 71
Candidate Starts for Jabberwocky_32:
(Start: 71 @30402 has 52 MA's), (175, 30588), (183, 30600), (204, 30627), (214, 30648), (262, 30708), (319, 30795), (322, 30798), (343, 30834), (366, 30867), (373, 30882), (381, 30894), (398, 30924), (400, 30930), (443, 30990), (498, 31080), (539, 31170), (554, 31194), (563, 31206), (605, 31272), (637, 31323),

Gene: Jabiru_23 Start: 18016, Stop: 19029, Start Num: 97
Candidate Starts for Jabiru_23:
(Start: 97 @18016 has 85 MA's), (149, 18112), (163, 18145), (164, 18148), (188, 18187), (281, 18322), (296, 18352), (318, 18382), (327, 18388), (336, 18406), (350, 18430), (377, 18472), (472, 18643), (607, 18886), (659, 18976),

Gene: Jabith_27 Start: 19788, Stop: 20810, Start Num: 90
Candidate Starts for Jabith_27:
(Start: 90 @19788 has 231 MA's), (Start: 124 @19845 has 2 MA's), (161, 19920), (248, 20049), (281, 20109), (318, 20169), (327, 20175), (350, 20217), (379, 20262), (382, 20268), (428, 20352), (450, 20385), (607, 20667), (614, 20676), (621, 20691), (659, 20757),

Gene: Jablanski_19 Start: 16772, Stop: 17680, Start Num: 147
Candidate Starts for Jablanski_19:
(Start: 147 @16772 has 26 MA's), (175, 16829), (261, 16964), (273, 16979), (275, 16982), (303, 17033), (387, 17141), (414, 17189), (426, 17213), (437, 17231), (441, 17237), (465, 17273), (533, 17429), (560, 17456), (569, 17468), (578, 17483), (607, 17528), (618, 17546), (623, 17555), (645, 17591), (646, 17594), (660, 17630), (661, 17636), (663, 17642),

Gene: Jace_16 Start: 13933, Stop: 14742, Start Num: 176
Candidate Starts for Jace_16:
(Start: 176 @13933 has 1 MA's), (223, 14011), (253, 14062), (281, 14119), (290, 14134), (295, 14149), (317, 14176), (367, 14251), (401, 14305), (515, 14503), (597, 14614), (633, 14665), (648, 14698),

(650, 14704),

Gene: JacoRen57_16 Start: 14312, Stop: 15445, Start Num: 27
Candidate Starts for JacoRen57_16:
(Start: 27 @14312 has 4 MA's), (33, 14360), (80, 14465), (Start: 105 @14489 has 26 MA's), (107, 14492), (156, 14582), (158, 14588), (222, 14702), (228, 14711), (332, 14891), (350, 14924), (356, 14933), (440, 15062), (451, 15074), (455, 15083), (495, 15128), (499, 15137), (517, 15170), (525, 15191), (528, 15200), (565, 15260), (593, 15299), (596, 15305), (614, 15329), (656, 15410),

Gene: Jalammah_20 Start: 16587, Stop: 17447, Start Num: 70
Candidate Starts for Jalammah_20:
(Start: 70 @16587 has 13 MA's), (161, 16743), (209, 16824), (256, 16881), (259, 16890), (280, 16923), (352, 17031), (425, 17115), (477, 17181), (480, 17187), (562, 17316), (594, 17358),

Gene: Jalleen_17 Start: 13903, Stop: 14751, Start Num: 166
Candidate Starts for Jalleen_17:
(Start: 166 @13903 has 45 MA's), (171, 13909), (255, 14044), (297, 14131), (324, 14164), (377, 14251), (379, 14254), (390, 14275), (402, 14299), (540, 14560), (654, 14722),

Gene: Jambalaya_30 Start: 24699, Stop: 25643, Start Num: 77
Candidate Starts for Jambalaya_30:
(Start: 77 @24699 has 34 MA's), (137, 24804), (170, 24873), (175, 24879), (194, 24903), (204, 24918), (443, 25278), (454, 25293), (471, 25311), (520, 25413), (539, 25455), (563, 25491), (624, 25587), (650, 25638),

Gene: Jane_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Jane_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Jarvi_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Jarvi_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: JasperJr_18 Start: 15797, Stop: 16657, Start Num: 73
Candidate Starts for JasperJr_18:
(Start: 66 @15791 has 10 MA's), (Start: 73 @15797 has 24 MA's), (161, 15953), (209, 16034), (280, 16133), (352, 16241), (425, 16325), (480, 16397), (562, 16526), (581, 16553), (594, 16568),

Gene: Jayhawk_22 Start: 16018, Stop: 17154, Start Num: 24
Candidate Starts for Jayhawk_22:
(Start: 24 @16018 has 231 MA's), (59, 16135), (120, 16225), (129, 16246), (138, 16267), (157, 16294), (300, 16549), (352, 16630), (395, 16705), (413, 16720), (495, 16831), (516, 16873), (565, 16966), (581, 16990), (642, 17083), (658, 17122), (663, 17140),

Gene: Jeckyll_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Jeckyll_22:

(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Jeeves_26 Start: 18193, Stop: 19215, Start Num: 90
Candidate Starts for Jeeves_26:
(Start: 90 @18193 has 231 MA's), (Start: 106 @18211 has 6 MA's), (Start: 124 @18247 has 2 MA's), (137, 18268), (149, 18286), (216, 18406), (299, 18538), (327, 18568), (349, 18607), (350, 18610), (379, 18655), (489, 18856), (492, 18862), (516, 18922), (607, 19072), (621, 19096),

Gene: Jeffabunny_30 Start: 18984, Stop: 20000, Start Num: 90
Candidate Starts for Jeffabunny_30:
(Start: 90 @18984 has 231 MA's), (Start: 106 @19002 has 6 MA's), (Start: 124 @19038 has 2 MA's), (149, 19077), (208, 19182), (327, 19359), (349, 19398), (350, 19401), (402, 19488), (412, 19509), (480, 19635), (516, 19707), (607, 19857), (614, 19866), (659, 19947),

Gene: Jeilious_17 Start: 15476, Stop: 16648, Start Num: 24
Candidate Starts for Jeilious_17:
(5, 15143), (Start: 24 @15476 has 231 MA's), (59, 15596), (Start: 70 @15614 has 13 MA's), (107, 15659), (Start: 109 @15665 has 8 MA's), (137, 15728), (159, 15764), (201, 15833), (202, 15836), (213, 15857), (248, 15911), (268, 15956), (289, 15986), (350, 16088), (358, 16100), (368, 16112), (377, 16130), (477, 16295), (495, 16325), (508, 16343), (516, 16367), (583, 16487), (642, 16577), (656, 16610),

Gene: Jerm_29 Start: 19620, Stop: 20636, Start Num: 90
Candidate Starts for Jerm_29:
(Start: 90 @19620 has 231 MA's), (137, 19695), (149, 19713), (164, 19749), (188, 19788), (327, 19995), (349, 20034), (350, 20037), (402, 20124), (499, 20304), (548, 20406), (596, 20481), (607, 20493),

Gene: Jester_22 Start: 15424, Stop: 16296, Start Num: 97
Candidate Starts for Jester_22:
(Start: 97 @15424 has 85 MA's), (120, 15463), (163, 15550), (Start: 207 @15619 has 1 MA's), (260, 15697), (277, 15724), (350, 15835), (434, 15931), (548, 16060), (559, 16078), (607, 16147), (668, 16285),

Gene: JewelBug_30 Start: 18971, Stop: 19984, Start Num: 90
Candidate Starts for JewelBug_30:
(Start: 90 @18971 has 231 MA's), (Start: 124 @19025 has 2 MA's), (149, 19064), (208, 19169), (299, 19316), (327, 19346), (349, 19385), (350, 19388), (379, 19433), (412, 19493), (516, 19691), (607, 19841), (614, 19850),

Gene: Jiawan_27 Start: 20563, Stop: 21576, Start Num: 90
Candidate Starts for Jiawan_27:
(Start: 90 @20563 has 231 MA's), (Start: 106 @20581 has 6 MA's), (137, 20638), (149, 20656), (164, 20692), (281, 20872), (299, 20908), (327, 20938), (350, 20980), (440, 21139), (516, 21283), (548, 21346), (596, 21421), (607, 21433), (621, 21457),

Gene: Jifall16_39 Start: 29533, Stop: 30474, Start Num: 105
Candidate Starts for Jifall16_39:
(Start: 105 @29533 has 26 MA's), (Start: 143 @29620 has 1 MA's), (186, 29695), (227, 29761), (248, 29803), (277, 29860), (411, 30073), (425, 30100), (488, 30211), (549, 30343), (613, 30439),

Gene: Jobypre_18 Start: 16490, Stop: 17380, Start Num: 89
Candidate Starts for Jobypre_18:
(Start: 89 @16490 has 84 MA's), (111, 16514), (130, 16559), (137, 16574), (150, 16595), (208, 16691), (299, 16826), (304, 16835), (349, 16895), (350, 16898), (354, 16904), (401, 16976), (417, 17009), (423, 17021), (467, 17084), (494, 17138), (505, 17159), (525, 17210), (549, 17252), (641, 17363), (643, 17366),

Gene: JoeDirt_17 Start: 15839, Stop: 16738, Start Num: 74
Candidate Starts for JoeDirt_17:
(55, 15803), (56, 15806), (Start: 74 @15839 has 10 MA's), (Start: 89 @15857 has 84 MA's), (111, 15881), (Start: 124 @15911 has 2 MA's), (130, 15926), (150, 15959), (251, 16103), (296, 16184), (349, 16259), (350, 16262), (354, 16268), (382, 16313), (401, 16340), (417, 16373), (421, 16379), (445, 16412), (451, 16421), (467, 16448), (523, 16568), (549, 16616), (573, 16643), (613, 16682), (617, 16688), (641, 16727),

Gene: JoieB_50 Start: 26435, Stop: 27397, Start Num: 89
Candidate Starts for JoieB_50:
(Start: 89 @26435 has 84 MA's), (161, 26567), (175, 26591), (182, 26600), (185, 26606), (192, 26615), (208, 26639), (213, 26648), (219, 26660), (294, 26786), (341, 26867), (350, 26882), (354, 26888), (417, 26996), (493, 27122), (497, 27128), (582, 27278), (586, 27284), (593, 27296), (594, 27299), (651, 27386), (653, 27389), (655, 27392),

Gene: Jojo24_17 Start: 14138, Stop: 14980, Start Num: 151
Candidate Starts for Jojo24_17:
(134, 14099), (Start: 151 @14138 has 14 MA's), (188, 14207), (208, 14237), (219, 14258), (248, 14291), (267, 14333), (268, 14336), (403, 14543), (488, 14675), (579, 14804), (607, 14846), (645, 14906), (649, 14912), (663, 14951),

Gene: Jolene_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Jolene_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Jolie2_17 Start: 14787, Stop: 15974, Start Num: 24
Candidate Starts for Jolie2_17:
(1, 13731), (5, 14433), (Start: 24 @14787 has 231 MA's), (46, 14886), (Start: 70 @14934 has 13 MA's), (107, 14979), (Start: 109 @14985 has 8 MA's), (120, 15009), (159, 15084), (201, 15153), (202, 15156), (214, 15180), (244, 15231), (248, 15237), (268, 15282), (358, 15426), (382, 15465), (393, 15486), (462, 15591), (518, 15699), (571, 15795), (642, 15903), (656, 15936), (658, 15942),

Gene: JonJames_46 Start: 32084, Stop: 32980, Start Num: 61
Candidate Starts for JonJames_46:
(Start: 61 @32084 has 2 MA's), (120, 32171), (156, 32237), (161, 32252), (163, 32258), (278, 32429), (316, 32486), (350, 32540), (369, 32564), (445, 32663), (455, 32681), (495, 32729), (510, 32747), (518, 32771), (626, 32939),

Gene: Jonghyun_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Jonghyun_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213,

15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: JorRay_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for JorRay_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Jordennis_30 Start: 18956, Stop: 19969, Start Num: 90
Candidate Starts for Jordennis_30:
(Start: 90 @18956 has 231 MA's), (Start: 124 @19010 has 2 MA's), (149, 19049), (208, 19154), (299, 19301), (327, 19331), (349, 19370), (350, 19373), (379, 19418), (412, 19478), (516, 19676), (607, 19826), (614, 19835),

Gene: Joselito_27 Start: 19736, Stop: 20758, Start Num: 90
Candidate Starts for Joselito_27:
(Start: 90 @19736 has 231 MA's), (Start: 124 @19793 has 2 MA's), (161, 19868), (248, 19997), (281, 20057), (318, 20117), (327, 20123), (350, 20165), (379, 20210), (382, 20216), (428, 20300), (450, 20333), (607, 20615), (614, 20624), (621, 20639), (659, 20705),

Gene: JoshKayV_29 Start: 19590, Stop: 20606, Start Num: 90
Candidate Starts for JoshKayV_29:
(Start: 90 @19590 has 231 MA's), (137, 19665), (149, 19683), (164, 19719), (188, 19758), (327, 19965), (349, 20004), (350, 20007), (402, 20094), (499, 20274), (548, 20376), (596, 20451), (607, 20463),

Gene: Journey13_25 Start: 18317, Stop: 19327, Start Num: 90
Candidate Starts for Journey13_25:
(Start: 90 @18317 has 231 MA's), (137, 18392), (149, 18410), (164, 18446), (188, 18485), (299, 18662), (327, 18692), (350, 18734), (379, 18779), (428, 18869), (480, 18962), (548, 19097), (607, 19184),

Gene: Jovo_23 Start: 18755, Stop: 19768, Start Num: 97
Candidate Starts for Jovo_23:
(Start: 97 @18755 has 85 MA's), (149, 18851), (163, 18884), (164, 18887), (188, 18926), (217, 18974), (327, 19127), (336, 19145), (350, 19169), (377, 19211), (536, 19523), (607, 19625), (623, 19652),

Gene: Joy99_22 Start: 15980, Stop: 17116, Start Num: 24
Candidate Starts for Joy99_22:
(Start: 24 @15980 has 231 MA's), (59, 16097), (120, 16187), (129, 16208), (138, 16229), (157, 16256), (300, 16511), (352, 16592), (395, 16667), (413, 16682), (495, 16793), (516, 16835), (565, 16928), (581, 16952), (642, 17045), (658, 17084), (663, 17102),

Gene: Jsquared_26 Start: 18082, Stop: 19092, Start Num: 90
Candidate Starts for Jsquared_26:
(Start: 90 @18082 has 231 MA's), (Start: 124 @18136 has 2 MA's), (137, 18157), (149, 18175), (188, 18250), (327, 18457), (349, 18496), (350, 18499), (379, 18544), (480, 18727), (548, 18862), (607, 18949),

Gene: JuJu_18 Start: 15718, Stop: 16578, Start Num: 70
Candidate Starts for JuJu_18:
(Start: 70 @15718 has 13 MA's), (Start: 88 @15733 has 1 MA's), (161, 15874), (209, 15955), (352, 16162), (425, 16246), (477, 16312), (510, 16357), (562, 16447), (581, 16474), (594, 16489),

Gene: Jubie_18 Start: 16491, Stop: 17381, Start Num: 89
Candidate Starts for Jubie_18:
(Start: 89 @16491 has 84 MA's), (111, 16515), (130, 16560), (137, 16575), (150, 16596), (208, 16692), (299, 16827), (304, 16836), (349, 16896), (350, 16899), (354, 16905), (401, 16977), (417, 17010), (423, 17022), (467, 17085), (494, 17139), (505, 17160), (525, 17211), (549, 17253), (641, 17364), (643, 17367),

Gene: Juliette_23 Start: 17390, Stop: 18523, Start Num: 24
Candidate Starts for Juliette_23:
(Start: 24 @17390 has 231 MA's), (46, 17480), (59, 17510), (120, 17600), (138, 17642), (140, 17645), (148, 17657), (348, 17993), (350, 17999), (394, 18074), (455, 18152), (476, 18167), (495, 18200), (516, 18242), (517, 18245), (567, 18338), (642, 18452), (658, 18491), (663, 18509),

Gene: JustASigh_17 Start: 15253, Stop: 16359, Start Num: 44
Candidate Starts for JustASigh_17:
(Start: 44 @15253 has 1 MA's), (Start: 49 @15268 has 22 MA's), (Start: 62 @15298 has 2 MA's), (Start: 63 @15301 has 10 MA's), (129, 15397), (156, 15442), (157, 15445), (159, 15451), (164, 15466), (218, 15550), (276, 15670), (309, 15727), (321, 15742), (357, 15805), (414, 15886), (428, 15904), (498, 16045), (572, 16186), (574, 16189), (593, 16213), (619, 16252), (634, 16273), (644, 16291),

Gene: Kabluna_43 Start: 28640, Stop: 29557, Start Num: 106
Candidate Starts for Kabluna_43:
(Start: 106 @28640 has 6 MA's), (Start: 143 @28721 has 1 MA's), (162, 28757), (248, 28904), (386, 29138), (410, 29165), (488, 29309), (549, 29426), (613, 29522), (617, 29528), (625, 29543),

Gene: Kahlid_17 Start: 16079, Stop: 16993, Start Num: 89
Candidate Starts for Kahlid_17:
(Start: 89 @16079 has 84 MA's), (111, 16103), (Start: 124 @16133 has 2 MA's), (197, 16259), (251, 16331), (348, 16484), (349, 16487), (350, 16490), (370, 16520), (405, 16577), (417, 16601), (421, 16607), (467, 16676), (476, 16694), (488, 16715), (513, 16769), (517, 16781), (549, 16844), (641, 16973), (649, 16985),

Gene: Kalpine_30 Start: 20976, Stop: 21989, Start Num: 90
Candidate Starts for Kalpine_30:
(Start: 90 @20976 has 231 MA's), (Start: 106 @20994 has 6 MA's), (137, 21051), (149, 21069), (164, 21105), (188, 21144), (327, 21351), (349, 21390), (350, 21393), (379, 21438), (412, 21498), (432, 21543), (480, 21624), (499, 21657), (607, 21846), (614, 21855), (621, 21870),

Gene: Kamashten_33 Start: 29854, Stop: 30810, Start Num: 71
Candidate Starts for Kamashten_33:
(Start: 71 @29854 has 52 MA's), (175, 30040), (183, 30052), (204, 30079), (214, 30100), (262, 30160), (319, 30247), (322, 30250), (343, 30286), (366, 30319), (373, 30334), (381, 30346), (398, 30376), (400, 30382), (443, 30442), (498, 30532), (539, 30622), (554, 30646), (563, 30658), (605, 30724), (616, 30739), (631, 30763), (637, 30775),

Gene: KappaFarmDelta_18 Start: 15961, Stop: 16821, Start Num: 73
Candidate Starts for KappaFarmDelta_18:

(Start: 66 @15955 has 10 MA's), (Start: 73 @15961 has 24 MA's), (119, 16027), (161, 16117), (209, 16198), (352, 16405), (425, 16489), (477, 16555), (480, 16561), (562, 16690), (581, 16717), (594, 16732),

Gene: Kareem_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Kareem_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Kasen3_17 Start: 15478, Stop: 16650, Start Num: 24
Candidate Starts for Kasen3_17:
(5, 15145), (Start: 24 @15478 has 231 MA's), (59, 15598), (Start: 70 @15616 has 13 MA's), (107, 15661), (Start: 109 @15667 has 8 MA's), (137, 15730), (159, 15766), (201, 15835), (202, 15838), (213, 15859), (248, 15913), (268, 15958), (289, 15988), (350, 16090), (358, 16102), (368, 16114), (377, 16132), (477, 16297), (495, 16327), (508, 16345), (516, 16369), (583, 16489), (642, 16579), (656, 16612),

Gene: KatherineG_29 Start: 18241, Stop: 19218, Start Num: 93
Candidate Starts for KatherineG_29:
(Start: 93 @18241 has 22 MA's), (161, 18355), (163, 18361), (164, 18364), (308, 18598), (477, 18865), (514, 18919), (607, 19075),

Gene: Kazan_30 Start: 18972, Stop: 19985, Start Num: 90
Candidate Starts for Kazan_30:
(Start: 90 @18972 has 231 MA's), (Start: 124 @19026 has 2 MA's), (149, 19065), (208, 19170), (299, 19317), (327, 19347), (349, 19386), (350, 19389), (379, 19434), (412, 19494), (516, 19692), (607, 19842), (614, 19851),

Gene: Keitabear_34 Start: 31219, Stop: 32175, Start Num: 71
Candidate Starts for Keitabear_34:
(Start: 71 @31219 has 52 MA's), (175, 31405), (183, 31417), (204, 31444), (322, 31615), (343, 31651), (366, 31684), (373, 31699), (381, 31711), (398, 31741), (400, 31747), (443, 31807), (498, 31897), (539, 31987), (554, 32011), (563, 32023), (605, 32089), (616, 32104), (637, 32140),

Gene: Kerberos_30 Start: 19042, Stop: 20052, Start Num: 90
Candidate Starts for Kerberos_30:
(Start: 90 @19042 has 231 MA's), (137, 19117), (149, 19135), (256, 19306), (296, 19381), (327, 19417), (349, 19456), (350, 19459), (379, 19504), (548, 19822), (596, 19897), (607, 19909), (621, 19933), (659, 19999),

Gene: Keshu_21 Start: 16443, Stop: 17579, Start Num: 24
Candidate Starts for Keshu_21:
(Start: 24 @16443 has 231 MA's), (59, 16566), (107, 16629), (Start: 109 @16635 has 8 MA's), (Start: 124 @16665 has 2 MA's), (138, 16698), (202, 16803), (213, 16824), (216, 16830), (251, 16887), (268, 16926), (289, 16956), (300, 16980), (343, 17043), (368, 17079), (477, 17226), (495, 17256), (499, 17265), (516, 17298), (517, 17301), (518, 17304), (565, 17391), (623, 17478), (656, 17541), (658, 17547),

Gene: Kewpiedoll_33 Start: 29261, Stop: 30217, Start Num: 71
Candidate Starts for Kewpiedoll_33:

(Start: 71 @29261 has 52 MA's), (175, 29447), (183, 29459), (204, 29486), (214, 29507), (262, 29567), (322, 29657), (343, 29693), (366, 29726), (373, 29741), (381, 29753), (398, 29783), (400, 29789), (443, 29849), (498, 29939), (539, 30029), (554, 30053), (563, 30065), (605, 30131), (616, 30146), (631, 30170), (637, 30182),

Gene: Keziacharles14_26 Start: 18620, Stop: 19642, Start Num: 90
Candidate Starts for Keziacharles14_26:
(Start: 90 @18620 has 231 MA's), (Start: 124 @18674 has 2 MA's), (149, 18713), (248, 18869), (281, 18929), (299, 18965), (327, 18995), (345, 19028), (350, 19037), (379, 19082), (432, 19187), (489, 19283), (596, 19487), (607, 19499), (614, 19508), (621, 19523), (659, 19589),

Gene: KiSi_21 Start: 15189, Stop: 16325, Start Num: 24
Candidate Starts for KiSi_21:
(Start: 24 @15189 has 231 MA's), (59, 15306), (Start: 70 @15324 has 13 MA's), (129, 15417), (157, 15465), (268, 15666), (300, 15720), (332, 15765), (343, 15786), (377, 15840), (394, 15873), (413, 15891), (455, 15954), (516, 16044), (517, 16047), (539, 16098), (565, 16137), (642, 16254), (658, 16293), (663, 16311),

Gene: KidneyBean_40 Start: 29657, Stop: 30598, Start Num: 105
Candidate Starts for KidneyBean_40:
(Start: 105 @29657 has 26 MA's), (Start: 143 @29744 has 1 MA's), (186, 29819), (227, 29885), (248, 29927), (277, 29984), (411, 30197), (425, 30224), (488, 30335), (549, 30467), (613, 30563),

Gene: Kimba_27 Start: 19788, Stop: 20810, Start Num: 90
Candidate Starts for Kimba_27:
(Start: 90 @19788 has 231 MA's), (Start: 124 @19845 has 2 MA's), (161, 19920), (248, 20049), (281, 20109), (318, 20169), (327, 20175), (350, 20217), (379, 20262), (382, 20268), (428, 20352), (450, 20385), (607, 20667), (614, 20676), (621, 20691), (659, 20757),

Gene: Kimchi1738_30 Start: 26704, Stop: 27570, Start Num: 90
Candidate Starts for Kimchi1738_30:
(Start: 90 @26704 has 231 MA's), (110, 26728), (127, 26773), (158, 26833), (235, 26968), (327, 27130), (345, 27163), (410, 27238), (421, 27262), (495, 27337), (522, 27403), (549, 27439), (568, 27466), (603, 27523),

Gene: KimmyK_32 Start: 25634, Stop: 26578, Start Num: 77
Candidate Starts for KimmyK_32:
(Start: 77 @25634 has 34 MA's), (137, 25739), (170, 25808), (175, 25814), (194, 25838), (204, 25853), (443, 26213), (454, 26228), (471, 26246), (520, 26348), (539, 26390), (563, 26426), (624, 26522), (650, 26573),

Gene: Kinbote_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Kinbote_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: KingCyrus_29 Start: 19587, Stop: 20603, Start Num: 90
Candidate Starts for KingCyrus_29:
(Start: 90 @19587 has 231 MA's), (137, 19662), (149, 19680), (164, 19716), (188, 19755), (327, 19962), (349, 20001), (350, 20004), (402, 20091), (499, 20271), (548, 20373), (596, 20448), (607,

20460),

Gene: Kingsolomon_18 Start: 16490, Stop: 17380, Start Num: 89
Candidate Starts for Kingsolomon_18:
(Start: 89 @16490 has 84 MA's), (111, 16514), (130, 16559), (137, 16574), (150, 16595), (208, 16691), (299, 16826), (304, 16835), (349, 16895), (350, 16898), (354, 16904), (401, 16976), (417, 17009), (423, 17021), (467, 17084), (494, 17138), (505, 17159), (525, 17210), (549, 17252), (641, 17363), (643, 17366),

Gene: Kinmap_27 Start: 18591, Stop: 19607, Start Num: 90
Candidate Starts for Kinmap_27:
(Start: 90 @18591 has 231 MA's), (137, 18666), (149, 18684), (164, 18720), (327, 18966), (350, 19008), (402, 19095), (412, 19116), (435, 19167), (472, 19221), (596, 19452), (621, 19488),

Gene: Kipper29_30 Start: 18966, Stop: 19979, Start Num: 90
Candidate Starts for Kipper29_30:
(Start: 90 @18966 has 231 MA's), (Start: 124 @19020 has 2 MA's), (149, 19059), (208, 19164), (299, 19311), (327, 19341), (349, 19380), (350, 19383), (379, 19428), (412, 19488), (516, 19686), (607, 19836), (614, 19845),

Gene: KirDoubleO7_16 Start: 16499, Stop: 17389, Start Num: 89
Candidate Starts for KirDoubleO7_16:
(Start: 89 @16499 has 84 MA's), (111, 16523), (130, 16568), (137, 16583), (150, 16604), (208, 16700), (213, 16709), (299, 16835), (304, 16844), (349, 16904), (350, 16907), (354, 16913), (401, 16985), (417, 17018), (423, 17030), (467, 17093), (505, 17168), (525, 17219), (549, 17261), (641, 17372), (643, 17375),

Gene: Kita_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Kita_18:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: KleverKiS_27 Start: 21440, Stop: 22351, Start Num: 82
Candidate Starts for KleverKiS_27:
(Start: 82 @21440 has 21 MA's), (Start: 143 @21542 has 1 MA's), (156, 21560), (161, 21575), (208, 21647), (267, 21734), (348, 21869), (349, 21872), (350, 21875), (395, 21944), (417, 21986), (421, 21992), (503, 22133), (513, 22154), (517, 22166), (608, 22289), (617, 22301),

Gene: Klodlith_27 Start: 18680, Stop: 19702, Start Num: 90
Candidate Starts for Klodlith_27:
(Start: 90 @18680 has 231 MA's), (Start: 106 @18698 has 6 MA's), (Start: 124 @18734 has 2 MA's), (149, 18773), (281, 18989), (299, 19025), (327, 19055), (350, 19097), (379, 19142), (432, 19247), (476, 19319), (489, 19343), (492, 19349), (596, 19547), (607, 19559), (614, 19568), (621, 19583), (659, 19649),

Gene: Koduck_27 Start: 18322, Stop: 19332, Start Num: 90
Candidate Starts for Koduck_27:
(Start: 90 @18322 has 231 MA's), (Start: 124 @18376 has 2 MA's), (137, 18397), (149, 18415), (188, 18490), (327, 18697), (349, 18736), (350, 18739), (480, 18967), (548, 19102), (596, 19177), (607, 19189),

Gene: Koko_30 Start: 19301, Stop: 20317, Start Num: 90

Candidate Starts for Koko_30:
(Start: 90 @19301 has 231 MA's), (Start: 106 @19319 has 6 MA's), (Start: 124 @19355 has 2 MA's), (149, 19394), (164, 19430), (208, 19499), (327, 19676), (349, 19715), (350, 19718), (402, 19805), (412, 19826), (480, 19952), (516, 20024), (607, 20174), (614, 20183), (659, 20264),

Gene: Kratio_19 Start: 16054, Stop: 17184, Start Num: 28
Candidate Starts for Kratio_19:
(Start: 28 @16054 has 23 MA's), (107, 16228), (137, 16294), (138, 16297), (157, 16324), (213, 16423), (268, 16525), (300, 16579), (324, 16609), (343, 16645), (345, 16648), (350, 16657), (394, 16732), (395, 16735), (430, 16771), (455, 16813), (477, 16831), (480, 16837), (495, 16861), (496, 16864), (516, 16903), (572, 17008), (642, 17113), (658, 17152), (663, 17170),

Gene: Kraw_23 Start: 17413, Stop: 18546, Start Num: 24
Candidate Starts for Kraw_23:
(Start: 24 @17413 has 231 MA's), (29, 17431), (46, 17503), (59, 17533), (120, 17623), (138, 17665), (156, 17689), (214, 17794), (348, 18016), (350, 18022), (454, 18172), (455, 18175), (477, 18193), (495, 18223), (516, 18265), (517, 18268), (539, 18319), (634, 18460), (642, 18475), (658, 18514), (663, 18532),

Gene: Krishelle_22 Start: 15751, Stop: 16623, Start Num: 97
Candidate Starts for Krishelle_22:
(Start: 97 @15751 has 85 MA's), (120, 15790), (163, 15877), (Start: 207 @15946 has 1 MA's), (260, 16024), (277, 16051), (350, 16162), (434, 16258), (548, 16387), (559, 16405), (607, 16474), (668, 16612),

Gene: Kroos_34 Start: 29432, Stop: 30388, Start Num: 71
Candidate Starts for Kroos_34:
(Start: 71 @29432 has 52 MA's), (161, 29588), (175, 29618), (183, 29630), (194, 29642), (204, 29657), (210, 29669), (322, 29828), (343, 29864), (381, 29924), (400, 29960), (443, 30020), (498, 30110), (539, 30200), (554, 30224), (563, 30236), (605, 30302), (616, 30317), (631, 30341), (637, 30353),

Gene: Kropertea_17 Start: 15715, Stop: 16602, Start Num: 89
Candidate Starts for Kropertea_17:
(Start: 89 @15715 has 84 MA's), (111, 15739), (123, 15766), (Start: 124 @15769 has 2 MA's), (130, 15784), (150, 15817), (208, 15913), (299, 16048), (304, 16057), (349, 16117), (350, 16120), (401, 16198), (410, 16213), (421, 16237), (467, 16306), (479, 16330), (494, 16360), (523, 16426), (549, 16474), (573, 16501), (641, 16585),

Gene: Krueger_21 Start: 15170, Stop: 16309, Start Num: 24
Candidate Starts for Krueger_21:
(Start: 24 @15170 has 231 MA's), (59, 15290), (120, 15380), (157, 15449), (268, 15650), (352, 15785), (354, 15788), (413, 15875), (454, 15935), (477, 15956), (495, 15986), (516, 16028), (517, 16031), (518, 16034), (565, 16121), (581, 16145), (634, 16223), (642, 16238), (658, 16277), (663, 16295),

Gene: Krypton555_18 Start: 16428, Stop: 17318, Start Num: 89
Candidate Starts for Krypton555_18:
(Start: 89 @16428 has 84 MA's), (111, 16452), (130, 16497), (137, 16512), (150, 16533), (208, 16629), (299, 16764), (304, 16773), (349, 16833), (350, 16836), (354, 16842), (401, 16914), (417, 16947), (423, 16959), (467, 17022), (494, 17076), (505, 17097), (525, 17148), (549, 17190), (641, 17301), (643, 17304),

Gene: Kudefre_26 Start: 20872, Stop: 21783, Start Num: 86
Candidate Starts for Kudefre_26:

(Start: 86 @20872 has 6 MA's), (99, 20887), (277, 21178), (279, 21181), (336, 21280), (348, 21298), (350, 21304), (368, 21328), (417, 21415), (421, 21421), (449, 21469), (492, 21547), (493, 21550), (516, 21601), (541, 21655), (573, 21697), (610, 21733), (613, 21736), (620, 21751),

Gene: Kumao_27 Start: 20552, Stop: 21469, Start Num: 76
Candidate Starts for Kumao_27:
(Start: 76 @20552 has 5 MA's), (113, 20600), (137, 20651), (161, 20693), (168, 20708), (188, 20735), (208, 20765), (299, 20906), (348, 20987), (349, 20990), (350, 20993), (354, 20999), (417, 21104), (421, 21110), (513, 21272), (525, 21305), (537, 21332), (577, 21380), (617, 21419), (639, 21455),

Gene: Kurt_40 Start: 29894, Stop: 30835, Start Num: 105
Candidate Starts for Kurt_40:
(Start: 105 @29894 has 26 MA's), (Start: 143 @29981 has 1 MA's), (186, 30056), (227, 30122), (248, 30164), (277, 30221), (411, 30434), (425, 30461), (488, 30572), (549, 30704), (613, 30800),

Gene: Kuwabara_18 Start: 15067, Stop: 15990, Start Num: 147
Candidate Starts for Kuwabara_18:
(146, 15064), (Start: 147 @15067 has 26 MA's), (175, 15124), (247, 15226), (254, 15238), (265, 15262), (273, 15271), (275, 15274), (277, 15277), (313, 15340), (347, 15373), (374, 15409), (409, 15469), (414, 15481), (426, 15505), (441, 15529), (444, 15532), (446, 15535), (533, 15721), (558, 15763), (560, 15766), (567, 15775), (569, 15778), (576, 15790), (578, 15793), (588, 15805), (593, 15817), (607, 15838), (614, 15847), (618, 15856), (645, 15901), (646, 15904), (647, 15910), (661, 15946), (663, 15952),

Gene: Kwekel_31 Start: 26508, Stop: 27485, Start Num: 84
Candidate Starts for Kwekel_31:
(Start: 84 @26508 has 25 MA's), (Start: 102 @26520 has 1 MA's), (114, 26541), (118, 26547), (136, 26586), (140, 26595), (158, 26631), (164, 26649), (Start: 169 @26658 has 1 MA's), (215, 26727), (260, 26823), (281, 26856), (385, 27024), (401, 27057), (419, 27093), (458, 27168), (516, 27273), (518, 27279), (532, 27309), (550, 27336), (573, 27372), (593, 27405), (640, 27474),

Gene: Kwobi_35 Start: 29418, Stop: 30374, Start Num: 71
Candidate Starts for Kwobi_35:
(Start: 71 @29418 has 52 MA's), (161, 29574), (175, 29604), (183, 29616), (194, 29628), (204, 29643), (210, 29655), (322, 29814), (343, 29850), (381, 29910), (400, 29946), (443, 30006), (498, 30096), (539, 30186), (554, 30210), (563, 30222), (605, 30288), (616, 30303), (631, 30327), (637, 30339),

Gene: L5_27 Start: 18333, Stop: 19343, Start Num: 90
Candidate Starts for L5_27:
(Start: 90 @18333 has 231 MA's), (Start: 124 @18387 has 2 MA's), (137, 18408), (149, 18426), (188, 18501), (327, 18708), (349, 18747), (350, 18750), (480, 18978), (548, 19113), (596, 19188), (607, 19200),

Gene: LadyBird_27 Start: 19164, Stop: 20174, Start Num: 90
Candidate Starts for LadyBird_27:
(Start: 90 @19164 has 231 MA's), (Start: 124 @19218 has 2 MA's), (149, 19257), (188, 19332), (281, 19473), (327, 19539), (349, 19578), (350, 19581), (480, 19809), (548, 19944), (561, 19965), (596, 20019), (607, 20031), (659, 20121),

Gene: Lamberg_16 Start: 13846, Stop: 14694, Start Num: 166
Candidate Starts for Lamberg_16:
(128, 13759), (Start: 166 @13846 has 45 MA's), (171, 13852), (223, 13936), (255, 13987), (281, 14041), (290, 14056), (297, 14074), (324, 14107), (365, 14173), (377, 14194), (379, 14197), (390,

14218), (426, 14275), (537, 14497), (540, 14503), (650, 14659), (654, 14665),

Gene: Landor_28 Start: 20775, Stop: 21791, Start Num: 90
Candidate Starts for Landor_28:
(Start: 90 @20775 has 231 MA's), (137, 20850), (149, 20868), (188, 20943), (281, 21084), (296, 21114), (327, 21150), (350, 21192), (403, 21282), (422, 21318), (428, 21333), (499, 21459), (536, 21546), (607, 21648), (621, 21672),

Gene: Larenn_28 Start: 19455, Stop: 20471, Start Num: 90
Candidate Starts for Larenn_28:
(Start: 90 @19455 has 231 MA's), (137, 19530), (149, 19548), (164, 19584), (188, 19623), (281, 19764), (327, 19830), (349, 19869), (350, 19872), (480, 20106), (561, 20262), (607, 20328), (621, 20352),

Gene: Larva_20 Start: 16169, Stop: 17299, Start Num: 28
Candidate Starts for Larva_20:
(Start: 28 @16169 has 23 MA's), (107, 16343), (137, 16409), (157, 16439), (213, 16538), (268, 16640), (300, 16694), (324, 16724), (343, 16760), (345, 16763), (350, 16772), (394, 16847), (395, 16850), (430, 16886), (455, 16928), (477, 16946), (480, 16952), (495, 16976), (496, 16979), (516, 17018), (571, 17120), (642, 17228), (658, 17267), (663, 17285),

Gene: LastHope_22 Start: 15314, Stop: 16450, Start Num: 24
Candidate Starts for LastHope_22:
(Start: 24 @15314 has 231 MA's), (59, 15431), (129, 15542), (157, 15590), (214, 15692), (300, 15845), (352, 15926), (413, 16016), (495, 16127), (516, 16169), (565, 16262), (581, 16286), (642, 16379), (658, 16418), (663, 16436),

Gene: LastResort_29 Start: 18122, Stop: 19099, Start Num: 93
Candidate Starts for LastResort_29:
(Start: 93 @18122 has 22 MA's), (161, 18236), (163, 18242), (164, 18245), (308, 18479), (477, 18746), (514, 18800), (607, 18956),

Gene: LaterM_22 Start: 15979, Stop: 17115, Start Num: 24
Candidate Starts for LaterM_22:
(Start: 24 @15979 has 231 MA's), (59, 16096), (129, 16207), (138, 16228), (157, 16255), (214, 16357), (300, 16510), (352, 16591), (413, 16681), (495, 16792), (516, 16834), (565, 16927), (581, 16951), (642, 17044), (658, 17083), (663, 17101),

Gene: Lavahound_20 Start: 16119, Stop: 17255, Start Num: 24
Candidate Starts for Lavahound_20:
(Start: 24 @16119 has 231 MA's), (59, 16236), (98, 16287), (157, 16395), (214, 16497), (216, 16500), (268, 16596), (300, 16650), (343, 16716), (350, 16728), (516, 16974), (517, 16977), (581, 17091), (642, 17184), (658, 17223), (663, 17241),

Gene: LeBron_17 Start: 15873, Stop: 16772, Start Num: 74
Candidate Starts for LeBron_17:
(Start: 74 @15873 has 10 MA's), (Start: 89 @15891 has 84 MA's), (111, 15915), (Start: 124 @15945 has 2 MA's), (130, 15960), (150, 15993), (251, 16137), (296, 16218), (349, 16293), (350, 16296), (354, 16302), (382, 16347), (401, 16374), (417, 16407), (421, 16413), (445, 16446), (451, 16455), (467, 16482), (523, 16602), (549, 16650), (613, 16716), (617, 16722), (641, 16761),

Gene: LeMond_21 Start: 15260, Stop: 16396, Start Num: 24
Candidate Starts for LeMond_21:

(Start: 24 @15260 has 231 MA's), (59, 15377), (Start: 70 @15395 has 13 MA's), (107, 15440), (129, 15488), (157, 15536), (268, 15737), (300, 15791), (332, 15836), (343, 15857), (377, 15911), (394, 15944), (413, 15962), (455, 16025), (516, 16115), (517, 16118), (539, 16169), (565, 16208), (642, 16325), (658, 16364), (663, 16382),

Gene: Lea83_21 Start: 16440, Stop: 17576, Start Num: 24
Candidate Starts for Lea83_21:
(Start: 24 @16440 has 231 MA's), (59, 16563), (107, 16626), (Start: 109 @16632 has 8 MA's), (Start: 124 @16662 has 2 MA's), (202, 16800), (213, 16821), (216, 16827), (251, 16884), (268, 16923), (289, 16953), (343, 17040), (368, 17076), (477, 17223), (495, 17253), (499, 17262), (516, 17295), (517, 17298), (518, 17301), (565, 17388), (623, 17475), (656, 17538), (658, 17544),

Gene: Lebo14_23 Start: 17506, Stop: 18639, Start Num: 24
Candidate Starts for Lebo14_23:
(Start: 24 @17506 has 231 MA's), (29, 17524), (46, 17596), (59, 17626), (120, 17716), (138, 17758), (156, 17782), (214, 17887), (300, 18040), (348, 18109), (350, 18115), (455, 18268), (477, 18286), (495, 18316), (516, 18358), (517, 18361), (634, 18553), (642, 18568), (658, 18607), (663, 18625),

Gene: Lemuria_17 Start: 14821, Stop: 16008, Start Num: 24
Candidate Starts for Lemuria_17:
(Start: 24 @14821 has 231 MA's), (Start: 70 @14968 has 13 MA's), (107, 15013), (Start: 109 @15019 has 8 MA's), (156, 15109), (201, 15187), (202, 15190), (213, 15211), (214, 15214), (244, 15265), (248, 15271), (268, 15316), (358, 15460), (377, 15490), (394, 15523), (462, 15625), (480, 15661), (495, 15685), (518, 15733), (571, 15829), (630, 15916), (642, 15937), (656, 15970), (658, 15976),

Gene: Lennon_34 Start: 31006, Stop: 31962, Start Num: 71
Candidate Starts for Lennon_34:
(Start: 71 @31006 has 52 MA's), (175, 31192), (183, 31204), (204, 31231), (214, 31252), (262, 31312), (319, 31399), (322, 31402), (343, 31438), (366, 31471), (373, 31486), (381, 31498), (398, 31528), (400, 31534), (443, 31594), (498, 31684), (539, 31774), (554, 31798), (563, 31810), (605, 31876), (637, 31927), (650, 31957),

Gene: Leogania_29 Start: 21323, Stop: 22333, Start Num: 90
Candidate Starts for Leogania_29:
(Start: 90 @21323 has 231 MA's), (137, 21398), (149, 21416), (164, 21452), (188, 21491), (299, 21668), (327, 21698), (349, 21737), (350, 21740), (480, 21968), (548, 22103), (596, 22178), (607, 22190), (659, 22280),

Gene: Leonard_32 Start: 28151, Stop: 29137, Start Num: 84
Candidate Starts for Leonard_32:
(Start: 84 @28151 has 25 MA's), (158, 28274), (177, 28310), (215, 28370), (260, 28466), (329, 28577), (340, 28598), (401, 28700), (411, 28721), (419, 28736), (450, 28793), (483, 28844), (529, 28952), (532, 28958), (541, 28973), (551, 28991), (573, 29024), (593, 29057), (594, 29060), (640, 29126),

Gene: Leston_20 Start: 16453, Stop: 17583, Start Num: 28
Candidate Starts for Leston_20:
(Start: 28 @16453 has 23 MA's), (137, 16693), (138, 16696), (157, 16723), (213, 16822), (268, 16924), (300, 16978), (324, 17008), (343, 17044), (345, 17047), (350, 17056), (394, 17131), (395, 17134), (455, 17212), (477, 17230), (480, 17236), (495, 17260), (496, 17263), (499, 17269), (516, 17302), (642, 17512), (658, 17551), (663, 17569),

Gene: Lev2_23 Start: 18467, Stop: 19480, Start Num: 97
Candidate Starts for Lev2_23:

(Start: 97 @18467 has 85 MA's), (149, 18563), (163, 18596), (164, 18599), (188, 18638), (217, 18686), (327, 18839), (336, 18857), (350, 18881), (377, 18923), (536, 19235), (607, 19337), (623, 19364), (659, 19427),

Gene: Leviathan_29 Start: 19676, Stop: 20692, Start Num: 90
Candidate Starts for Leviathan_29:
(Start: 90 @19676 has 231 MA's), (137, 19751), (149, 19769), (164, 19805), (188, 19844), (327, 20051), (349, 20090), (350, 20093), (402, 20180), (499, 20360), (548, 20462), (596, 20537), (607, 20549),

Gene: Lewan_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for Lewan_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Liefie_17 Start: 15476, Stop: 16648, Start Num: 24
Candidate Starts for Liefie_17:
(5, 15143), (Start: 24 @15476 has 231 MA's), (59, 15596), (Start: 70 @15614 has 13 MA's), (107, 15659), (Start: 109 @15665 has 8 MA's), (137, 15728), (159, 15764), (201, 15833), (202, 15836), (213, 15857), (248, 15911), (268, 15956), (289, 15986), (350, 16088), (358, 16100), (377, 16130), (477, 16295), (495, 16325), (508, 16343), (516, 16367), (583, 16487), (642, 16577), (656, 16610),

Gene: LilDestine_17 Start: 16073, Stop: 16987, Start Num: 89
Candidate Starts for LilDestine_17:
(Start: 89 @16073 has 84 MA's), (111, 16097), (Start: 124 @16127 has 2 MA's), (197, 16253), (251, 16325), (348, 16478), (349, 16481), (350, 16484), (370, 16514), (405, 16571), (417, 16595), (421, 16601), (467, 16670), (476, 16688), (488, 16709), (517, 16775), (549, 16838), (641, 16967), (649, 16979),

Gene: LilDirt_19 Start: 16180, Stop: 17310, Start Num: 28
Candidate Starts for LilDirt_19:
(Start: 28 @16180 has 23 MA's), (107, 16354), (137, 16420), (138, 16423), (157, 16450), (213, 16549), (268, 16651), (300, 16705), (324, 16735), (343, 16771), (345, 16774), (350, 16783), (394, 16858), (395, 16861), (430, 16897), (455, 16939), (477, 16957), (480, 16963), (495, 16987), (496, 16990), (516, 17029), (642, 17239), (658, 17278), (663, 17296),

Gene: LilHam_31 Start: 28021, Stop: 28977, Start Num: 71
Candidate Starts for LilHam_31:
(Start: 71 @28021 has 52 MA's), (175, 28207), (183, 28219), (194, 28231), (204, 28246), (210, 28258), (223, 28285), (251, 28300), (262, 28327), (322, 28417), (343, 28453), (381, 28513), (394, 28537), (400, 28549), (443, 28609), (498, 28699), (539, 28789), (554, 28813), (563, 28825), (605, 28891), (616, 28906), (631, 28930), (637, 28942),

Gene: LilHazelnut_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for LilHazelnut_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: LilJank_27 Start: 22752, Stop: 23663, Start Num: 86
Candidate Starts for LilJank_27:
(Start: 74 @22737 has 10 MA's), (Start: 86 @22752 has 6 MA's), (Start: 124 @22809 has 2 MA's), (137, 22839), (183, 22917), (208, 22953), (259, 23028), (279, 23061), (299, 23097), (348, 23178), (349, 23181), (368, 23208), (370, 23214), (389, 23241), (421, 23301), (423, 23307), (493, 23430), (494, 23433), (505, 23454), (517, 23484), (520, 23493), (537, 23532), (541, 23535), (573, 23577), (591, 23592), (594, 23598), (613, 23616), (620, 23631),

Gene: LilPharaoh_18 Start: 15554, Stop: 16696, Start Num: 24
Candidate Starts for LilPharaoh_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: LilTurb_29 Start: 19679, Stop: 20695, Start Num: 90
Candidate Starts for LilTurb_29:
(Start: 90 @19679 has 231 MA's), (137, 19754), (149, 19772), (164, 19808), (188, 19847), (327, 20054), (349, 20093), (350, 20096), (402, 20183), (499, 20363), (548, 20465), (596, 20540), (607, 20552),

Gene: Lilas_19 Start: 16810, Stop: 17718, Start Num: 147
Candidate Starts for Lilas_19:
(Start: 147 @16810 has 26 MA's), (175, 16867), (273, 17017), (275, 17020), (303, 17071), (366, 17140), (387, 17179), (414, 17227), (426, 17251), (441, 17275), (533, 17467), (560, 17494), (567, 17503), (569, 17506), (578, 17521), (604, 17563), (607, 17566), (623, 17593), (645, 17629), (649, 17641), (661, 17674), (663, 17680),

Gene: Lilbeanie_29 Start: 23420, Stop: 24433, Start Num: 76
Candidate Starts for Lilbeanie_29:
(Start: 76 @23420 has 5 MA's), (Start: 87 @23426 has 1 MA's), (118, 23471), (132, 23504), (177, 23594), (253, 23729), (260, 23750), (401, 23984), (419, 24020), (435, 24056), (488, 24143), (513, 24206), (518, 24221), (532, 24251), (584, 24332), (593, 24347), (594, 24350), (640, 24422),

Gene: Lilbit_48 Start: 26439, Stop: 27401, Start Num: 89
Candidate Starts for Lilbit_48:
(Start: 89 @26439 has 84 MA's), (161, 26571), (175, 26595), (182, 26604), (185, 26610), (192, 26619), (208, 26643), (213, 26652), (219, 26664), (227, 26676), (294, 26790), (341, 26871), (350, 26886), (354, 26892), (417, 27000), (493, 27126), (497, 27132), (527, 27207), (582, 27282), (586, 27288), (593, 27300), (594, 27303), (651, 27390), (653, 27393), (655, 27396),

Gene: Lilbunny_30 Start: 18958, Stop: 19974, Start Num: 90
Candidate Starts for Lilbunny_30:
(Start: 90 @18958 has 231 MA's), (Start: 106 @18976 has 6 MA's), (Start: 124 @19012 has 2 MA's), (149, 19051), (208, 19156), (327, 19333), (349, 19372), (350, 19375), (402, 19462), (412, 19483), (480, 19609), (516, 19681), (607, 19831), (614, 19840), (659, 19921),

Gene: LilhomieP_26 Start: 21457, Stop: 22368, Start Num: 82
Candidate Starts for LilhomieP_26:
(Start: 82 @21457 has 21 MA's), (Start: 143 @21559 has 1 MA's), (156, 21577), (161, 21592), (208, 21664), (213, 21673), (267, 21751), (348, 21886), (349, 21889), (350, 21892), (395, 21961), (417, 22003), (421, 22009), (503, 22150), (513, 22171), (517, 22183), (608, 22306), (617, 22318),

Gene: Lilleskat_26 Start: 20527, Stop: 21540, Start Num: 90

Candidate Starts for Lilleskat_26:
(Start: 90 @20527 has 231 MA's), (Start: 106 @20545 has 6 MA's), (137, 20602), (149, 20620), (164, 20656), (281, 20836), (299, 20872), (327, 20902), (350, 20944), (440, 21103), (516, 21247), (548, 21310), (596, 21385), (607, 21397), (621, 21421),

Gene: Lillie_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Lillie_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (281, 15786), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: LindNT_22 Start: 15985, Stop: 17121, Start Num: 24
Candidate Starts for LindNT_22:
(Start: 24 @15985 has 231 MA's), (59, 16102), (120, 16192), (129, 16213), (138, 16234), (157, 16261), (300, 16516), (352, 16597), (395, 16672), (413, 16687), (495, 16798), (516, 16840), (565, 16933), (581, 16957), (642, 17050), (658, 17089), (663, 17107),

Gene: LionsBait_28 Start: 20953, Stop: 21963, Start Num: 90
Candidate Starts for LionsBait_28:
(Start: 90 @20953 has 231 MA's), (Start: 124 @21007 has 2 MA's), (137, 21028), (149, 21046), (188, 21121), (327, 21328), (350, 21370), (428, 21505), (480, 21598), (499, 21631), (548, 21733), (596, 21808), (607, 21820), (659, 21910),

Gene: LittleCherry_23 Start: 18649, Stop: 19662, Start Num: 97
Candidate Starts for LittleCherry_23:
(Start: 97 @18649 has 85 MA's), (149, 18745), (163, 18778), (164, 18781), (281, 18955), (318, 19015), (327, 19021), (336, 19039), (350, 19063), (377, 19105), (536, 19417), (607, 19519), (659, 19609),

Gene: LittleLaf_49 Start: 26168, Stop: 27130, Start Num: 89
Candidate Starts for LittleLaf_49:
(Start: 89 @26168 has 84 MA's), (161, 26300), (175, 26324), (182, 26333), (185, 26339), (192, 26348), (208, 26372), (213, 26381), (219, 26393), (227, 26405), (294, 26519), (341, 26600), (350, 26615), (354, 26621), (417, 26729), (493, 26855), (497, 26861), (527, 26936), (582, 27011), (586, 27017), (593, 27029), (594, 27032), (651, 27119), (653, 27122), (655, 27125),

Gene: LiyuLake_18 Start: 16490, Stop: 17380, Start Num: 89
Candidate Starts for LiyuLake_18:
(Start: 89 @16490 has 84 MA's), (111, 16514), (130, 16559), (137, 16574), (150, 16595), (208, 16691), (213, 16700), (299, 16826), (304, 16835), (349, 16895), (350, 16898), (354, 16904), (401, 16976), (417, 17009), (423, 17021), (467, 17084), (505, 17159), (525, 17210), (549, 17252), (641, 17363), (643, 17366),

Gene: Llorens_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Llorens_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Loadrie_17 Start: 16106, Stop: 17020, Start Num: 89
Candidate Starts for Loadrie_17:
(Start: 89 @16106 has 84 MA's), (111, 16130), (Start: 124 @16160 has 2 MA's), (197, 16286), (251, 16358), (348, 16511), (349, 16514), (350, 16517), (370, 16547), (405, 16604), (417, 16628), (421, 16634), (467, 16703), (476, 16721), (488, 16742), (513, 16796), (517, 16808), (549, 16871), (641,

17000), (649, 17012),

Gene: Lokk_30 Start: 20830, Stop: 21840, Start Num: 90
Candidate Starts for Lokk_30:
(Start: 90 @20830 has 231 MA's), (149, 20923), (164, 20959), (188, 20998), (327, 21205), (349, 21244), (350, 21247), (379, 21292), (480, 21475), (499, 21508), (548, 21610), (596, 21685), (607, 21697), (659, 21787),

Gene: Lollipop1437_45 Start: 30536, Stop: 31453, Start Num: 105
Candidate Starts for Lollipop1437_45:
(Start: 105 @30536 has 26 MA's), (Start: 143 @30614 has 1 MA's), (186, 30689), (248, 30797), (293, 30881), (410, 31061), (411, 31067), (519, 31283), (549, 31322), (595, 31397), (613, 31418), (625, 31439),

Gene: Lolly9_18 Start: 16308, Stop: 17198, Start Num: 89
Candidate Starts for Lolly9_18:
(Start: 89 @16308 has 84 MA's), (111, 16332), (130, 16377), (137, 16392), (150, 16413), (208, 16509), (299, 16644), (304, 16653), (349, 16713), (350, 16716), (354, 16722), (401, 16794), (417, 16827), (423, 16839), (467, 16902), (493, 16953), (505, 16977), (525, 17028), (549, 17070), (641, 17181), (643, 17184),

Gene: LoneWolf_28 Start: 20332, Stop: 21345, Start Num: 89
Candidate Starts for LoneWolf_28:
(Start: 89 @20332 has 84 MA's), (Start: 106 @20350 has 6 MA's), (120, 20377), (137, 20407), (149, 20425), (164, 20461), (200, 20515), (281, 20641), (299, 20677), (327, 20707), (350, 20749), (440, 20908), (480, 20980), (516, 21052), (596, 21190), (607, 21202), (614, 21211), (621, 21226),

Gene: LonelyBoi_19 Start: 16813, Stop: 17721, Start Num: 147
Candidate Starts for LonelyBoi_19:
(Start: 147 @16813 has 26 MA's), (175, 16870), (261, 17005), (273, 17020), (275, 17023), (303, 17074), (387, 17182), (414, 17230), (426, 17254), (437, 17272), (441, 17278), (465, 17314), (533, 17470), (560, 17497), (569, 17509), (578, 17524), (607, 17569), (623, 17596), (645, 17632), (646, 17635), (660, 17671), (661, 17677), (663, 17683),

Gene: LongHai_21 Start: 15192, Stop: 16304, Start Num: 27
Candidate Starts for LongHai_21:
(Start: 27 @15192 has 4 MA's), (33, 15240), (Start: 101 @15348 has 5 MA's), (107, 15357), (140, 15426), (158, 15453), (243, 15600), (301, 15708), (350, 15783), (356, 15792), (379, 15828), (430, 15897), (455, 15939), (495, 15984), (499, 15993), (526, 16050), (554, 16101), (596, 16161), (656, 16266),

Gene: Looper_30 Start: 18119, Stop: 19096, Start Num: 93
Candidate Starts for Looper_30:
(Start: 93 @18119 has 22 MA's), (161, 18233), (163, 18239), (164, 18242), (308, 18476), (477, 18743), (514, 18797), (607, 18953),

Gene: LordFarquaad_16 Start: 13903, Stop: 14751, Start Num: 166
Candidate Starts for LordFarquaad_16:
(Start: 166 @13903 has 45 MA's), (171, 13909), (255, 14044), (297, 14131), (324, 14164), (377, 14251), (379, 14254), (390, 14275), (402, 14299), (426, 14332), (537, 14554), (540, 14560), (654, 14722),

Gene: Loser_30 Start: 20932, Stop: 21945, Start Num: 90

Candidate Starts for Loser_30:
(Start: 90 @20932 has 231 MA's), (Start: 106 @20950 has 6 MA's), (137, 21007), (149, 21025), (164, 21061), (188, 21100), (327, 21307), (349, 21346), (350, 21349), (379, 21394), (432, 21499), (480, 21580), (499, 21613), (536, 21700), (607, 21802), (614, 21811),

Gene: LouisV14_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for LouisV14_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Love_37 Start: 30788, Stop: 31744, Start Num: 71
Candidate Starts for Love_37:
(Start: 71 @30788 has 52 MA's), (175, 30974), (183, 30986), (204, 31013), (214, 31034), (262, 31094), (319, 31181), (322, 31184), (343, 31220), (366, 31253), (373, 31268), (381, 31280), (398, 31310), (400, 31316), (443, 31376), (498, 31466), (522, 31517), (539, 31556), (554, 31580), (563, 31592), (605, 31658), (631, 31697), (637, 31709), (650, 31739),

Gene: Lozinak_47 Start: 28712, Stop: 29593, Start Num: 69
Candidate Starts for Lozinak_47:
(Start: 63 @28706 has 10 MA's), (Start: 69 @28712 has 12 MA's), (108, 28760), (120, 28787), (158, 28859), (196, 28925), (213, 28955), (288, 29063), (350, 29156), (369, 29180), (376, 29195), (455, 29291), (495, 29339), (604, 29519), (628, 29555),

Gene: Lton_16 Start: 13875, Stop: 14723, Start Num: 166
Candidate Starts for Lton_16:
(128, 13788), (Start: 166 @13875 has 45 MA's), (171, 13881), (223, 13965), (255, 14016), (281, 14070), (297, 14103), (324, 14136), (365, 14202), (377, 14223), (379, 14226), (390, 14247), (426, 14304), (537, 14526), (540, 14532), (650, 14688), (654, 14694),

Gene: Luchador_28 Start: 19388, Stop: 20410, Start Num: 90
Candidate Starts for Luchador_28:
(Start: 90 @19388 has 231 MA's), (Start: 106 @19406 has 6 MA's), (Start: 124 @19442 has 2 MA's), (137, 19463), (149, 19481), (208, 19586), (216, 19601), (299, 19733), (318, 19757), (327, 19763), (349, 19802), (350, 19805), (379, 19850), (428, 19943), (472, 20015), (489, 20051), (492, 20057), (516, 20117), (607, 20267), (621, 20291),

Gene: Lucivia_27 Start: 19785, Stop: 20807, Start Num: 90
Candidate Starts for Lucivia_27:
(Start: 90 @19785 has 231 MA's), (Start: 124 @19842 has 2 MA's), (161, 19917), (248, 20046), (281, 20106), (318, 20166), (327, 20172), (350, 20214), (379, 20259), (382, 20265), (428, 20349), (450, 20382), (607, 20664), (614, 20673), (621, 20688), (659, 20754),

Gene: Lucky10_17 Start: 14280, Stop: 15188, Start Num: 147
Candidate Starts for Lucky10_17:
(Start: 147 @14280 has 26 MA's), (170, 14331), (254, 14451), (265, 14475), (275, 14487), (277, 14490), (313, 14553), (366, 14607), (409, 14682), (423, 14709), (437, 14736), (441, 14742), (444, 14745), (492, 14832), (533, 14937), (560, 14964), (567, 14973), (569, 14976), (576, 14988), (578, 14991), (607, 15036), (614, 15045), (660, 15138),

Gene: Lucyedi_28 Start: 19862, Stop: 20878, Start Num: 90

Candidate Starts for Lucyedi_28:
(Start: 90 @19862 has 231 MA's), (Start: 106 @19880 has 6 MA's), (149, 19955), (188, 20030), (237, 20093), (327, 20237), (349, 20276), (350, 20279), (402, 20366), (528, 20618), (536, 20633), (561, 20669), (607, 20735), (618, 20753), (621, 20759),

Gene: Luke_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Luke_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Lumos_18 Start: 16487, Stop: 17377, Start Num: 89
Candidate Starts for Lumos_18:
(Start: 89 @16487 has 84 MA's), (111, 16511), (130, 16556), (137, 16571), (150, 16592), (208, 16688), (299, 16823), (304, 16832), (349, 16892), (350, 16895), (354, 16901), (401, 16973), (417, 17006), (423, 17018), (467, 17081), (494, 17135), (505, 17156), (525, 17207), (549, 17249), (641, 17360), (643, 17363),

Gene: Luna22_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Luna22_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Lunahalos_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Lunahalos_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Lynnae_17 Start: 16062, Stop: 16976, Start Num: 89
Candidate Starts for Lynnae_17:
(Start: 89 @16062 has 84 MA's), (111, 16086), (Start: 124 @16116 has 2 MA's), (197, 16242), (251, 16314), (348, 16467), (349, 16470), (350, 16473), (370, 16503), (405, 16560), (417, 16584), (421, 16590), (467, 16659), (476, 16677), (488, 16698), (513, 16752), (517, 16764), (549, 16827), (641, 16956), (649, 16968),

Gene: Lysidious_19 Start: 16311, Stop: 17177, Start Num: 66
Candidate Starts for Lysidious_19:
(Start: 66 @16311 has 10 MA's), (Start: 73 @16317 has 24 MA's), (161, 16473), (209, 16554), (256, 16611), (259, 16620), (280, 16653), (352, 16761), (425, 16845), (477, 16911), (480, 16917), (562, 17046), (594, 17088),

Gene: MAckerman_17 Start: 15865, Stop: 16746, Start Num: 89
Candidate Starts for MAckerman_17:
(55, 15811), (Start: 74 @15847 has 10 MA's), (Start: 89 @15865 has 84 MA's), (111, 15889), (Start: 124 @15919 has 2 MA's), (130, 15934), (150, 15967), (251, 16111), (349, 16267), (350, 16270), (354, 16276), (382, 16321), (401, 16348), (421, 16387), (445, 16420), (451, 16429), (467, 16456), (523, 16576), (549, 16624), (613, 16690), (617, 16696), (641, 16735),

Gene: MOOREtheMARYer_17 Start: 15720, Stop: 16898, Start Num: 24
Candidate Starts for MOOREtheMARYer_17:
(Start: 18 @15684 has 1 MA's), (Start: 24 @15720 has 231 MA's), (Start: 70 @15864 has 13 MA's), (Start: 109 @15915 has 8 MA's), (138, 15981), (140, 15984), (159, 16014), (202, 16086), (243, 16155), (248, 16161), (326, 16296), (358, 16350), (393, 16410), (464, 16518), (477, 16545), (495, 16575), (516, 16617), (571, 16719), (619, 16791), (621, 16794), (634, 16812), (656, 16860),

Gene: MaCh_27 Start: 19727, Stop: 20749, Start Num: 90
Candidate Starts for MaCh_27:
(Start: 90 @19727 has 231 MA's), (Start: 124 @19784 has 2 MA's), (161, 19859), (248, 19988), (281, 20048), (318, 20108), (327, 20114), (350, 20156), (379, 20201), (382, 20207), (428, 20291), (450, 20324), (607, 20606), (614, 20615), (621, 20630), (659, 20696),

Gene: Mabel_27 Start: 19788, Stop: 20810, Start Num: 90
Candidate Starts for Mabel_27:
(Start: 90 @19788 has 231 MA's), (Start: 124 @19845 has 2 MA's), (161, 19920), (248, 20049), (281, 20109), (318, 20169), (327, 20175), (350, 20217), (379, 20262), (382, 20268), (428, 20352), (450, 20385), (607, 20667), (614, 20676), (621, 20691), (659, 20757),

Gene: MacGully_49 Start: 30719, Stop: 31612, Start Num: 124
Candidate Starts for MacGully_49:
(Start: 63 @30635 has 10 MA's), (Start: 102 @30683 has 1 MA's), (Start: 124 @30719 has 2 MA's), (126, 30722), (217, 30890), (221, 30896), (284, 31013), (293, 31031), (299, 31046), (350, 31121), (386, 31181), (410, 31220), (411, 31226), (488, 31364), (513, 31424), (525, 31457), (549, 31481), (590, 31544), (613, 31577), (617, 31583),

Gene: MacKat_22 Start: 16028, Stop: 17164, Start Num: 24
Candidate Starts for MacKat_22:
(Start: 24 @16028 has 231 MA's), (59, 16145), (120, 16235), (129, 16256), (138, 16277), (157, 16304), (300, 16559), (352, 16640), (395, 16715), (413, 16730), (495, 16841), (516, 16883), (565, 16976), (581, 17000), (642, 17093), (658, 17132), (663, 17150),

Gene: MacnCheese_22 Start: 16685, Stop: 17821, Start Num: 24
Candidate Starts for MacnCheese_22:
(Start: 24 @16685 has 231 MA's), (59, 16808), (107, 16871), (Start: 109 @16877 has 8 MA's), (120, 16898), (Start: 124 @16907 has 2 MA's), (138, 16940), (202, 17045), (213, 17066), (268, 17168), (289, 17198), (300, 17222), (319, 17243), (343, 17285), (368, 17321), (477, 17468), (495, 17498), (499, 17507), (516, 17540), (517, 17543), (518, 17546), (565, 17633), (593, 17672), (623, 17720), (653, 17777), (656, 17783), (658, 17789),

Gene: Maco6_18 Start: 14149, Stop: 15261, Start Num: 27
Candidate Starts for Maco6_18:
(Start: 27 @14149 has 4 MA's), (33, 14197), (Start: 101 @14305 has 5 MA's), (107, 14314), (140, 14383), (148, 14395), (158, 14410), (243, 14557), (301, 14665), (350, 14740), (356, 14749), (379, 14785), (430, 14854), (455, 14896), (495, 14941), (499, 14950), (526, 15007), (593, 15112), (656, 15223),

Gene: Madavieve_18 Start: 17220, Stop: 18047, Start Num: 174
Candidate Starts for Madavieve_18:
(Start: 174 @17220 has 36 MA's), (221, 17295), (287, 17415), (290, 17421), (333, 17487), (340, 17499), (377, 17556), (382, 17565), (402, 17601), (408, 17610), (426, 17631), (477, 17715), (511, 17790), (521, 17811), (605, 17934), (629, 17967),

Gene: Madeline_18 Start: 17238, Stop: 18065, Start Num: 174
Candidate Starts for Madeline_18:
(Start: 174 @17238 has 36 MA's), (210, 17292), (223, 17319), (287, 17433), (290, 17439), (295, 17454), (379, 17577), (402, 17619), (408, 17628), (426, 17649), (477, 17733), (511, 17808), (605, 17952), (629, 17985),

Gene: Mahdia_17 Start: 13987, Stop: 14814, Start Num: 151
Candidate Starts for Mahdia_17:
(Start: 151 @13987 has 14 MA's), (170, 14032), (188, 14056), (237, 14119), (298, 14236), (339, 14290), (399, 14383), (403, 14395), (453, 14464), (476, 14497), (516, 14572), (564, 14620), (575, 14635), (583, 14647), (596, 14671), (599, 14674), (614, 14692), (615, 14695), (663, 14782), (666, 14797),

Gene: MajorMajor_26 Start: 18067, Stop: 19077, Start Num: 90
Candidate Starts for MajorMajor_26:
(Start: 90 @18067 has 231 MA's), (Start: 124 @18121 has 2 MA's), (137, 18142), (149, 18160), (188, 18235), (327, 18442), (349, 18481), (350, 18484), (379, 18529), (480, 18712), (499, 18745), (548, 18847), (607, 18934), (659, 19024),

Gene: MakCheese_19 Start: 15000, Stop: 16061, Start Num: 54
Candidate Starts for MakCheese_19:
(Start: 50 @14991 has 1 MA's), (Start: 54 @15000 has 1 MA's), (117, 15093), (138, 15135), (164, 15183), (258, 15351), (269, 15375), (272, 15381), (313, 15453), (321, 15462), (323, 15465), (328, 15474), (428, 15615), (442, 15642), (463, 15684), (490, 15732), (596, 15924), (598, 15927), (619, 15957), (638, 15987), (642, 15993), (657, 16029), (658, 16032),

Gene: Malachai_19 Start: 16271, Stop: 17131, Start Num: 73
Candidate Starts for Malachai_19:
(Start: 66 @16265 has 10 MA's), (Start: 73 @16271 has 24 MA's), (161, 16427), (209, 16508), (280, 16607), (352, 16715), (425, 16799), (480, 16871), (562, 17000), (594, 17042),

Gene: MalagasyRose_23 Start: 15476, Stop: 16555, Start Num: 40
Candidate Starts for MalagasyRose_23:
(Start: 40 @15476 has 6 MA's), (57, 15518), (Start: 71 @15542 has 52 MA's), (107, 15581), (140, 15650), (157, 15674), (159, 15680), (178, 15719), (214, 15776), (234, 15803), (237, 15809), (251, 15830), (253, 15833), (279, 15881), (289, 15899), (300, 15923), (304, 15926), (343, 15989), (350, 16001), (356, 16010), (361, 16016), (377, 16043), (379, 16046), (411, 16091), (438, 16133), (477, 16187), (488, 16205), (528, 16307), (539, 16328), (554, 16352), (621, 16454), (634, 16472), (642, 16487), (657, 16523),

Gene: Malec_28 Start: 19460, Stop: 20476, Start Num: 90
Candidate Starts for Malec_28:
(Start: 90 @19460 has 231 MA's), (137, 19535), (149, 19553), (164, 19589), (188, 19628), (281, 19769), (327, 19835), (349, 19874), (350, 19877), (480, 20111), (561, 20267), (607, 20333), (621, 20357),

Gene: Malibo_19 Start: 15676, Stop: 16518, Start Num: 151
Candidate Starts for Malibo_19:
(Start: 151 @15676 has 14 MA's), (188, 15745), (203, 15766), (232, 15802), (248, 15829), (255, 15841), (277, 15886), (298, 15925), (338, 15979), (370, 16024), (383, 16048), (448, 16153), (465, 16177), (479, 16207), (482, 16213), (510, 16255), (519, 16282), (525, 16288), (614, 16396), (638, 16438), (642, 16444), (649, 16456), (665, 16498),

Gene: Maliketh_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Maliketh_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Malthus_24 Start: 17413, Stop: 18546, Start Num: 24
Candidate Starts for Malthus_24:
(Start: 24 @17413 has 231 MA's), (29, 17431), (46, 17503), (59, 17533), (120, 17623), (138, 17665), (156, 17689), (214, 17794), (348, 18016), (350, 18022), (454, 18172), (455, 18175), (477, 18193), (495, 18223), (516, 18265), (517, 18268), (539, 18319), (634, 18460), (642, 18475), (658, 18514), (663, 18532),

Gene: Maminiaina_28 Start: 20271, Stop: 21293, Start Num: 90
Candidate Starts for Maminiaina_28:
(Start: 90 @20271 has 231 MA's), (Start: 106 @20289 has 6 MA's), (137, 20346), (149, 20364), (164, 20400), (281, 20580), (299, 20616), (327, 20646), (350, 20688), (440, 20847), (489, 20934), (500, 20961), (607, 21150), (621, 21174),

Gene: Manasvini_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Manasvini_18:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: Manilisa_22 Start: 18190, Stop: 19050, Start Num: 66
Candidate Starts for Manilisa_22:
(Start: 66 @18190 has 10 MA's), (Start: 73 @18196 has 24 MA's), (Start: 103 @18232 has 5 MA's), (Start: 105 @18235 has 26 MA's), (193, 18403), (203, 18418), (209, 18430), (278, 18526), (280, 18529), (285, 18538), (293, 18550), (300, 18565), (386, 18694), (493, 18814), (510, 18835), (517, 18856), (528, 18886), (596, 18976),

Gene: Marcoliusprime_18 Start: 13889, Stop: 15016, Start Num: 26
Candidate Starts for Marcoliusprime_18:
(Start: 26 @13889 has 11 MA's), (29, 13898), (59, 14000), (120, 14090), (138, 14132), (140, 14135), (157, 14159), (213, 14258), (251, 14321), (268, 14360), (300, 14414), (343, 14480), (350, 14492), (382, 14543), (394, 14567), (455, 14645), (477, 14663), (495, 14693), (499, 14702), (516, 14735), (517, 14738), (581, 14852), (634, 14930), (642, 14945), (658, 14984), (663, 15002),

Gene: Mareelih_98 Start: 58510, Stop: 59445, Start Num: 101
Candidate Starts for Mareelih_98:
(Start: 101 @58510 has 5 MA's), (112, 58525), (114, 58531), (118, 58537), (Start: 169 @58654 has 1 MA's), (172, 58657), (Start: 207 @58708 has 1 MA's), (225, 58744), (296, 58879), (318, 58915), (340, 58945), (485, 59197), (506, 59242), (517, 59272), (519, 59278), (532, 59305), (557, 59344), (599, 59413),

Gene: Maridalia_17 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Maridalia_17:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605,

17663), (629, 17696),

Gene: Marietta_42 Start: 26965, Stop: 27885, Start Num: 109
Candidate Starts for Marietta_42:
(Start: 109 @26965 has 8 MA's), (Start: 143 @27046 has 1 MA's), (165, 27091), (212, 27160), (277, 27286), (299, 27328), (356, 27412), (386, 27463), (411, 27496), (459, 27586), (513, 27694), (519, 27712), (549, 27754), (608, 27844), (613, 27850), (625, 27871),

Gene: MarkPhew_22 Start: 15151, Stop: 16287, Start Num: 24
Candidate Starts for MarkPhew_22:
(Start: 24 @15151 has 231 MA's), (59, 15268), (Start: 70 @15286 has 13 MA's), (120, 15358), (129, 15379), (157, 15427), (214, 15529), (216, 15532), (268, 15628), (332, 15727), (343, 15748), (394, 15835), (413, 15853), (455, 15916), (516, 16006), (517, 16009), (565, 16099), (642, 16216), (653, 16243), (658, 16255), (663, 16273),

Gene: Marmie_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Marmie_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Marshawn_23 Start: 15766, Stop: 16905, Start Num: 24
Candidate Starts for Marshawn_23:
(21, 15754), (Start: 24 @15766 has 231 MA's), (59, 15886), (120, 15976), (157, 16045), (268, 16246), (300, 16300), (343, 16366), (350, 16378), (382, 16429), (480, 16558), (495, 16582), (516, 16624), (517, 16627), (518, 16630), (539, 16678), (565, 16717), (653, 16861), (658, 16873), (663, 16891),

Gene: Marteena_19 Start: 16661, Stop: 17569, Start Num: 147
Candidate Starts for Marteena_19:
(Start: 147 @16661 has 26 MA's), (175, 16718), (261, 16853), (273, 16868), (275, 16871), (303, 16922), (387, 17030), (414, 17078), (426, 17102), (437, 17120), (441, 17126), (465, 17162), (533, 17318), (560, 17345), (569, 17357), (578, 17372), (607, 17417), (618, 17435), (623, 17444), (645, 17480), (646, 17483), (660, 17519), (661, 17525), (663, 17531),

Gene: Marvin_47 Start: 26438, Stop: 27400, Start Num: 89
Candidate Starts for Marvin_47:
(Start: 89 @26438 has 84 MA's), (161, 26570), (175, 26594), (182, 26603), (185, 26609), (192, 26618), (208, 26642), (213, 26651), (219, 26663), (294, 26789), (341, 26870), (350, 26885), (354, 26891), (417, 26999), (493, 27125), (497, 27131), (582, 27281), (586, 27287), (593, 27299), (594, 27302), (651, 27389), (653, 27392), (655, 27395),

Gene: MarysWell_22 Start: 18617, Stop: 19630, Start Num: 97
Candidate Starts for MarysWell_22:
(Start: 97 @18617 has 85 MA's), (149, 18713), (163, 18746), (164, 18749), (188, 18788), (281, 18923), (318, 18983), (327, 18989), (336, 19007), (350, 19031), (377, 19073), (536, 19385), (607, 19487), (623, 19514), (659, 19577),

Gene: Maselop_44 Start: 30439, Stop: 31365, Start Num: 103
Candidate Starts for Maselop_44:
(Start: 103 @30439 has 5 MA's), (Start: 124 @30475 has 2 MA's), (186, 30592), (212, 30631), (221, 30649), (248, 30700), (299, 30799), (350, 30874), (356, 30883), (401, 30958), (411, 30979), (488,

31117), (502, 31153), (518, 31192), (549, 31234), (590, 31297), (613, 31330),

Gene: Matteo_16 Start: 13846, Stop: 14694, Start Num: 166
Candidate Starts for Matteo_16:
(128, 13759), (Start: 166 @13846 has 45 MA's), (171, 13852), (221, 13930), (223, 13936), (255, 13987), (297, 14074), (324, 14107), (377, 14194), (379, 14197), (390, 14218), (426, 14275), (537, 14497), (540, 14503), (654, 14665),

Gene: Mbo4_16 Start: 14927, Stop: 15760, Start Num: 167
Candidate Starts for Mbo4_16:
(Start: 167 @14927 has 2 MA's), (224, 15017), (262, 15086), (271, 15104), (287, 15128), (295, 15149), (310, 15173), (377, 15278), (452, 15401), (491, 15464), (509, 15509), (516, 15530), (517, 15533), (521, 15536),

Gene: McCrothy_34 Start: 30596, Stop: 31552, Start Num: 71
Candidate Starts for McCrothy_34:
(Start: 71 @30596 has 52 MA's), (175, 30782), (183, 30794), (204, 30821), (214, 30842), (262, 30902), (319, 30989), (322, 30992), (343, 31028), (366, 31061), (373, 31076), (381, 31088), (398, 31118), (400, 31124), (443, 31184), (498, 31274), (522, 31325), (539, 31364), (554, 31388), (563, 31400), (605, 31466), (631, 31505), (637, 31517), (650, 31547),

Gene: McFly_30 Start: 18966, Stop: 19979, Start Num: 90
Candidate Starts for McFly_30:
(Start: 90 @18966 has 231 MA's), (Start: 124 @19020 has 2 MA's), (149, 19059), (208, 19164), (299, 19311), (327, 19341), (349, 19380), (350, 19383), (379, 19428), (412, 19488), (516, 19686), (607, 19836), (614, 19845),

Gene: McKinley_36 Start: 30814, Stop: 31770, Start Num: 71
Candidate Starts for McKinley_36:
(Start: 71 @30814 has 52 MA's), (175, 31000), (183, 31012), (204, 31039), (214, 31060), (262, 31120), (319, 31207), (322, 31210), (343, 31246), (366, 31279), (373, 31294), (381, 31306), (398, 31336), (400, 31342), (443, 31402), (498, 31492), (539, 31582), (554, 31606), (563, 31618), (605, 31684), (631, 31723), (637, 31735),

Gene: McMater_22 Start: 15375, Stop: 16514, Start Num: 24
Candidate Starts for McMater_22:
(Start: 24 @15375 has 231 MA's), (59, 15495), (120, 15585), (157, 15654), (213, 15753), (214, 15756), (268, 15855), (300, 15909), (352, 15990), (395, 16065), (413, 16080), (480, 16167), (495, 16191), (516, 16233), (517, 16236), (539, 16287), (565, 16326), (621, 16410), (634, 16428), (642, 16443), (658, 16482), (663, 16500),

Gene: Mcklovin_19 Start: 19238, Stop: 20074, Start Num: 166
Candidate Starts for Mcklovin_19:
(Start: 166 @19238 has 45 MA's), (Start: 174 @19247 has 36 MA's), (204, 19289), (221, 19322), (228, 19337), (290, 19448), (292, 19454), (320, 19493), (353, 19547), (365, 19562), (379, 19586), (382, 19592), (402, 19628), (426, 19658), (430, 19667), (511, 19817), (555, 19907), (629, 19994),

Gene: Mdavu_18 Start: 15542, Stop: 16684, Start Num: 24
Candidate Starts for Mdavu_18:
(Start: 24 @15542 has 231 MA's), (59, 15665), (120, 15755), (157, 15824), (213, 15923), (214, 15926), (268, 16025), (352, 16160), (495, 16361), (516, 16403), (517, 16406), (565, 16496), (581, 16520), (642, 16613), (658, 16652), (663, 16670),

Gene: MeaningOfLife_22 Start: 15987, Stop: 17123, Start Num: 24
Candidate Starts for MeaningOfLife_22:
(Start: 24 @15987 has 231 MA's), (59, 16104), (120, 16194), (129, 16215), (138, 16236), (157, 16263), (300, 16518), (352, 16599), (395, 16674), (413, 16689), (495, 16800), (499, 16809), (516, 16842), (565, 16935), (581, 16959), (642, 17052), (658, 17091), (663, 17109),

Gene: MegTheThird_26 Start: 18672, Stop: 19694, Start Num: 90
Candidate Starts for MegTheThird_26:
(Start: 90 @18672 has 231 MA's), (137, 18747), (149, 18765), (164, 18801), (248, 18921), (281, 18981), (299, 19017), (327, 19047), (350, 19089), (432, 19239), (466, 19290), (489, 19335), (492, 19341), (516, 19401), (529, 19437), (607, 19551),

Gene: Megsy_22 Start: 15988, Stop: 17124, Start Num: 24
Candidate Starts for Megsy_22:
(Start: 24 @15988 has 231 MA's), (59, 16105), (120, 16195), (129, 16216), (138, 16237), (157, 16264), (300, 16519), (352, 16600), (395, 16675), (413, 16690), (495, 16801), (516, 16843), (565, 16936), (572, 16948), (581, 16960), (642, 17053), (658, 17092), (663, 17110),

Gene: MelBins_33 Start: 28300, Stop: 29286, Start Num: 84
Candidate Starts for MelBins_33:
(Start: 84 @28300 has 25 MA's), (158, 28423), (177, 28459), (215, 28519), (260, 28615), (329, 28726), (340, 28747), (401, 28849), (419, 28885), (483, 28993), (529, 29101), (532, 29107), (541, 29122), (550, 29137), (573, 29173), (593, 29206), (594, 29209), (640, 29275),

Gene: Melba_18 Start: 15787, Stop: 16653, Start Num: 66
Candidate Starts for Melba_18:
(Start: 66 @15787 has 10 MA's), (Start: 73 @15793 has 24 MA's), (161, 15949), (209, 16030), (280, 16129), (352, 16237), (425, 16321), (480, 16393), (562, 16522), (581, 16549), (594, 16564),

Gene: Mellie_17 Start: 15554, Stop: 16414, Start Num: 73
Candidate Starts for Mellie_17:
(Start: 66 @15548 has 10 MA's), (Start: 73 @15554 has 24 MA's), (161, 15710), (209, 15791), (280, 15890), (352, 15998), (425, 16082), (477, 16148), (510, 16193), (562, 16283), (594, 16325),

Gene: Mendokysei_17 Start: 15828, Stop: 16793, Start Num: 78
Candidate Starts for Mendokysei_17:
(Start: 78 @15828 has 8 MA's), (104, 15855), (113, 15873), (217, 16053), (260, 16128), (315, 16221), (349, 16278), (354, 16287), (405, 16371), (507, 16548), (512, 16563), (525, 16596), (555, 16647), (583, 16689), (610, 16728), (617, 16737),

Gene: MerCougar_41 Start: 29816, Stop: 30739, Start Num: 105
Candidate Starts for MerCougar_41:
(Start: 105 @29816 has 26 MA's), (Start: 143 @29903 has 1 MA's), (162, 29939), (186, 29978), (410, 30347), (488, 30491), (549, 30608), (613, 30704), (617, 30710), (625, 30725),

Gene: Mercurio_18 Start: 15481, Stop: 16668, Start Num: 24
Candidate Starts for Mercurio_18:
(Start: 24 @15481 has 231 MA's), (Start: 70 @15628 has 13 MA's), (107, 15673), (Start: 109 @15679 has 8 MA's), (156, 15769), (201, 15847), (202, 15850), (213, 15871), (214, 15874), (244, 15925), (248, 15931), (268, 15976), (358, 16120), (377, 16150), (394, 16183), (462, 16285), (480, 16321), (495, 16345), (518, 16393), (571, 16489), (621, 16564), (642, 16597), (656, 16630), (658, 16636),

Gene: Meyran_20 Start: 18053, Stop: 18913, Start Num: 66

Candidate Starts for Meyran_20:
(Start: 66 @18053 has 10 MA's), (Start: 73 @18059 has 24 MA's), (Start: 103 @18095 has 5 MA's), (Start: 105 @18098 has 26 MA's), (193, 18266), (203, 18281), (209, 18293), (278, 18389), (280, 18392), (285, 18401), (293, 18413), (300, 18428), (386, 18557), (493, 18677), (510, 18698), (517, 18719), (528, 18749), (596, 18839),

Gene: Micasa_23 Start: 18623, Stop: 19636, Start Num: 97
Candidate Starts for Micasa_23:
(Start: 97 @18623 has 85 MA's), (149, 18719), (163, 18752), (164, 18755), (188, 18794), (281, 18929), (318, 18989), (327, 18995), (336, 19013), (350, 19037), (377, 19079), (536, 19391), (607, 19493), (659, 19583),

Gene: MichaelScott_19 Start: 16864, Stop: 17706, Start Num: 166
Candidate Starts for MichaelScott_19:
(Start: 166 @16864 has 45 MA's), (Start: 174 @16873 has 36 MA's), (204, 16915), (221, 16948), (228, 16963), (256, 17011), (281, 17059), (290, 17074), (292, 17080), (320, 17119), (353, 17173), (379, 17212), (382, 17218), (402, 17254), (426, 17284), (430, 17293), (511, 17449), (629, 17626),

Gene: MiculUcigas_27 Start: 19200, Stop: 20216, Start Num: 90
Candidate Starts for MiculUcigas_27:
(Start: 90 @19200 has 231 MA's), (137, 19275), (149, 19293), (164, 19329), (188, 19368), (299, 19545), (327, 19575), (349, 19614), (350, 19617), (607, 20073), (621, 20097),

Gene: MicyPS_16 Start: 16526, Stop: 17407, Start Num: 81
Candidate Starts for MicyPS_16:
(Start: 81 @16526 has 2 MA's), (133, 16607), (208, 16739), (258, 16817), (265, 16829), (281, 16853), (336, 16934), (338, 16937), (354, 16964), (383, 17012), (425, 17033), (432, 17051), (461, 17075), (465, 17081), (542, 17168), (559, 17195), (640, 17315), (661, 17363), (663, 17369),

Gene: Midas2_23 Start: 18617, Stop: 19630, Start Num: 97
Candidate Starts for Midas2_23:
(Start: 97 @18617 has 85 MA's), (149, 18713), (163, 18746), (164, 18749), (188, 18788), (281, 18923), (318, 18983), (327, 18989), (336, 19007), (350, 19031), (377, 19073), (536, 19385), (607, 19487), (623, 19514), (659, 19577),

Gene: Miko_30 Start: 20800, Stop: 21810, Start Num: 90
Candidate Starts for Miko_30:
(Start: 90 @20800 has 231 MA's), (149, 20893), (164, 20929), (188, 20968), (327, 21175), (349, 21214), (350, 21217), (379, 21262), (480, 21445), (499, 21478), (548, 21580), (596, 21655), (607, 21667), (659, 21757),

Gene: Milcery_23 Start: 18653, Stop: 19666, Start Num: 97
Candidate Starts for Milcery_23:
(Start: 97 @18653 has 85 MA's), (149, 18749), (163, 18782), (164, 18785), (188, 18824), (281, 18959), (318, 19019), (327, 19025), (336, 19043), (350, 19067), (377, 19109), (536, 19421), (607, 19523), (659, 19613),

Gene: Miley16_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for Miley16_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Milly_18 Start: 13889, Stop: 15016, Start Num: 26
Candidate Starts for Milly_18:
(Start: 26 @13889 has 11 MA's), (29, 13898), (59, 14000), (120, 14090), (138, 14132), (140, 14135), (157, 14159), (213, 14258), (251, 14321), (268, 14360), (300, 14414), (343, 14480), (350, 14492), (382, 14543), (394, 14567), (455, 14645), (477, 14663), (495, 14693), (499, 14702), (516, 14735), (517, 14738), (581, 14852), (634, 14930), (642, 14945), (658, 14984), (663, 15002),

Gene: MinecraftSteve_30 Start: 18241, Stop: 19218, Start Num: 93
Candidate Starts for MinecraftSteve_30:
(Start: 93 @18241 has 22 MA's), (161, 18355), (163, 18361), (164, 18364), (308, 18598), (477, 18865), (514, 18919), (607, 19075),

Gene: MiniLon_18 Start: 16308, Stop: 17198, Start Num: 89
Candidate Starts for MiniLon_18:
(Start: 89 @16308 has 84 MA's), (111, 16332), (130, 16377), (137, 16392), (150, 16413), (208, 16509), (299, 16644), (304, 16653), (349, 16713), (350, 16716), (354, 16722), (401, 16794), (417, 16827), (423, 16839), (467, 16902), (493, 16953), (505, 16977), (525, 17028), (549, 17070), (641, 17181), (643, 17184),

Gene: MiniMac_18 Start: 16309, Stop: 17199, Start Num: 89
Candidate Starts for MiniMac_18:
(Start: 89 @16309 has 84 MA's), (111, 16333), (130, 16378), (137, 16393), (150, 16414), (208, 16510), (299, 16645), (304, 16654), (349, 16714), (350, 16717), (354, 16723), (401, 16795), (417, 16828), (423, 16840), (467, 16903), (493, 16954), (505, 16978), (525, 17029), (549, 17071), (641, 17182), (643, 17185),

Gene: Minispark_25 Start: 18587, Stop: 19609, Start Num: 90
Candidate Starts for Minispark_25:
(Start: 90 @18587 has 231 MA's), (Start: 106 @18605 has 6 MA's), (Start: 124 @18641 has 2 MA's), (137, 18662), (149, 18680), (208, 18785), (299, 18932), (327, 18962), (350, 19004), (412, 19109), (432, 19154), (463, 19199), (489, 19250), (492, 19256), (495, 19265), (548, 19379), (583, 19430), (596, 19454), (607, 19466), (614, 19475), (659, 19556),

Gene: MintFen_18 Start: 15793, Stop: 16653, Start Num: 73
Candidate Starts for MintFen_18:
(Start: 66 @15787 has 10 MA's), (Start: 73 @15793 has 24 MA's), (161, 15949), (209, 16030), (280, 16129), (352, 16237), (425, 16321), (480, 16393), (562, 16522), (581, 16549), (594, 16564),

Gene: Miryou_20 Start: 16308, Stop: 17438, Start Num: 28
Candidate Starts for Miryou_20:
(Start: 28 @16308 has 23 MA's), (138, 16551), (157, 16578), (213, 16677), (268, 16779), (300, 16833), (324, 16863), (343, 16899), (345, 16902), (350, 16911), (394, 16986), (395, 16989), (430, 17025), (455, 17067), (477, 17085), (480, 17091), (495, 17115), (496, 17118), (499, 17124), (516, 17157), (642, 17367), (658, 17406), (663, 17424),

Gene: Miskis_45 Start: 28475, Stop: 29356, Start Num: 69
Candidate Starts for Miskis_45:
(Start: 63 @28469 has 10 MA's), (Start: 69 @28475 has 12 MA's), (108, 28523), (120, 28550), (158, 28622), (196, 28688), (213, 28718), (288, 28826), (350, 28919), (369, 28943), (376, 28958), (455, 29054), (495, 29102), (604, 29282), (628, 29318),

Gene: MissDaisy_23 Start: 17255, Stop: 18388, Start Num: 24

Candidate Starts for MissDaisy_23:
(Start: 24 @17255 has 231 MA's), (29, 17273), (46, 17345), (59, 17375), (120, 17465), (Start: 124 @17474 has 2 MA's), (138, 17507), (156, 17531), (214, 17636), (300, 17789), (348, 17858), (350, 17864), (455, 18017), (477, 18035), (495, 18065), (516, 18107), (517, 18110), (634, 18302), (642, 18317), (658, 18356), (663, 18374),

Gene: MissRona_20 Start: 16105, Stop: 16965, Start Num: 70
Candidate Starts for MissRona_20:
(Start: 70 @16105 has 13 MA's), (Start: 88 @16120 has 1 MA's), (141, 16222), (161, 16261), (209, 16342), (268, 16426), (280, 16441), (352, 16549), (425, 16633), (477, 16699), (480, 16705), (510, 16744), (562, 16834), (594, 16876),

Gene: MissWhite_27 Start: 18271, Stop: 19281, Start Num: 90
Candidate Starts for MissWhite_27:
(Start: 90 @18271 has 231 MA's), (149, 18364), (164, 18400), (188, 18439), (299, 18616), (327, 18646), (350, 18688), (379, 18733), (428, 18823), (480, 18916), (607, 19138),

Gene: Mitti_23 Start: 17413, Stop: 18546, Start Num: 24
Candidate Starts for Mitti_23:
(Start: 24 @17413 has 231 MA's), (29, 17431), (46, 17503), (59, 17533), (120, 17623), (138, 17665), (156, 17689), (214, 17794), (300, 17947), (348, 18016), (350, 18022), (455, 18175), (477, 18193), (495, 18223), (516, 18265), (517, 18268), (634, 18460), (642, 18475), (658, 18514), (663, 18532),

Gene: MkaliMitinis3_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for MkaliMitinis3_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Mocha12_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for Mocha12_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: ModicumRichard_18 Start: 15643, Stop: 16551, Start Num: 83
Candidate Starts for ModicumRichard_18:
(6, 15190), (Start: 83 @15643 has 5 MA's), (Start: 106 @15670 has 6 MA's), (123, 15703), (173, 15805), (193, 15832), (208, 15856), (281, 15958), (299, 15991), (327, 16021), (348, 16057), (350, 16063), (356, 16072), (428, 16150), (457, 16180), (461, 16186), (470, 16201), (537, 16306), (585, 16372), (649, 16471), (660, 16498), (661, 16504), (668, 16540),

Gene: Mollymur_30 Start: 27246, Stop: 28130, Start Num: 63
Candidate Starts for Mollymur_30:
(36, 27171), (Start: 63 @27246 has 10 MA's), (Start: 88 @27267 has 1 MA's), (130, 27345), (158, 27393), (161, 27402), (213, 27489), (300, 27618), (350, 27690), (354, 27696), (455, 27825), (530, 27948), (545, 27969), (562, 27996),

Gene: MoontowerMania_33 Start: 29628, Stop: 30584, Start Num: 71
Candidate Starts for MoontowerMania_33:
(Start: 71 @29628 has 52 MA's), (175, 29814), (183, 29826), (187, 29829), (204, 29853), (214, 29874), (262, 29934), (319, 30021), (322, 30024), (343, 30060), (366, 30093), (373, 30108), (381, 30120),

(398, 30150), (400, 30156), (443, 30216), (498, 30306), (539, 30396), (554, 30420), (563, 30432), (605, 30498), (631, 30537), (637, 30549), (650, 30579),

Gene: Moosehead_16 Start: 13815, Stop: 14663, Start Num: 166
Candidate Starts for Moosehead_16:
(Start: 166 @13815 has 45 MA's), (171, 13821), (270, 13992), (281, 14010), (297, 14043), (377, 14163), (379, 14166), (383, 14175), (385, 14178), (390, 14187), (429, 14250), (477, 14322), (540, 14472), (654, 14634),

Gene: Moostard_18 Start: 16493, Stop: 17383, Start Num: 89
Candidate Starts for Moostard_18:
(Start: 89 @16493 has 84 MA's), (111, 16517), (130, 16562), (137, 16577), (150, 16598), (208, 16694), (299, 16829), (304, 16838), (349, 16898), (350, 16901), (354, 16907), (401, 16979), (417, 17012), (467, 17087), (494, 17141), (505, 17162), (525, 17213), (549, 17255), (641, 17366), (643, 17369),

Gene: Morgana_18 Start: 15633, Stop: 16544, Start Num: 83
Candidate Starts for Morgana_18:
(6, 15180), (Start: 83 @15633 has 5 MA's), (Start: 106 @15660 has 6 MA's), (123, 15693), (173, 15795), (193, 15822), (281, 15948), (299, 15981), (327, 16011), (348, 16047), (350, 16053), (356, 16062), (428, 16140), (461, 16176), (470, 16191), (585, 16365), (649, 16464), (660, 16491), (661, 16497),

Gene: Morkie_17 Start: 14248, Stop: 15156, Start Num: 147
Candidate Starts for Morkie_17:
(Start: 147 @14248 has 26 MA's), (170, 14299), (254, 14419), (265, 14443), (275, 14455), (277, 14458), (313, 14521), (409, 14650), (423, 14677), (437, 14704), (441, 14710), (444, 14713), (492, 14800), (533, 14905), (560, 14932), (567, 14941), (569, 14944), (578, 14959), (607, 15004), (614, 15013),

Gene: Morrissey_18 Start: 15201, Stop: 16028, Start Num: 151
Candidate Starts for Morrissey_18:
(Start: 151 @15201 has 14 MA's), (170, 15246), (188, 15270), (232, 15327), (237, 15333), (248, 15354), (264, 15390), (273, 15405), (337, 15501), (339, 15504), (399, 15597), (403, 15609), (453, 15678), (516, 15786), (564, 15834), (575, 15849), (583, 15861), (596, 15885), (615, 15909), (640, 15942), (645, 15951), (661, 15990), (663, 15996),

Gene: MortyNRick_18 Start: 15370, Stop: 16296, Start Num: 147
Candidate Starts for MortyNRick_18:
(146, 15367), (Start: 147 @15370 has 26 MA's), (175, 15427), (247, 15529), (254, 15541), (265, 15565), (273, 15574), (275, 15577), (277, 15580), (313, 15643), (347, 15676), (366, 15697), (374, 15712), (409, 15772), (414, 15784), (426, 15808), (444, 15835), (446, 15838), (465, 15868), (501, 15946), (533, 16027), (558, 16069), (560, 16072), (567, 16081), (569, 16084), (576, 16096), (578, 16099), (588, 16111), (593, 16123), (607, 16144), (614, 16153), (618, 16162), (645, 16207), (646, 16210), (647, 16216), (661, 16252), (663, 16258),

Gene: MosMoris_47 Start: 25618, Stop: 26580, Start Num: 89
Candidate Starts for MosMoris_47:
(Start: 89 @25618 has 84 MA's), (161, 25750), (175, 25774), (182, 25783), (185, 25789), (192, 25798), (208, 25822), (213, 25831), (219, 25843), (294, 25969), (341, 26050), (350, 26065), (354, 26071), (417, 26179), (493, 26305), (497, 26311), (527, 26386), (582, 26461), (586, 26467), (593, 26479), (594, 26482), (651, 26569), (653, 26572), (655, 26575),

Gene: Mowgli_17 Start: 15477, Stop: 16649, Start Num: 24

Candidate Starts for Mowgli_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: MrMagoo_31 Start: 22001, Stop: 22912, Start Num: 82
Candidate Starts for MrMagoo_31:
(Start: 82 @22001 has 21 MA's), (91, 22010), (Start: 124 @22064 has 2 MA's), (140, 22100), (Start: 143 @22103 has 1 MA's), (156, 22121), (161, 22136), (Start: 207 @22205 has 1 MA's), (208, 22208), (349, 22433), (350, 22436), (370, 22466), (421, 22553), (493, 22673), (517, 22727), (523, 22742), (537, 22775), (639, 22898),

Gene: MsGreen_18 Start: 16490, Stop: 17380, Start Num: 89
Candidate Starts for MsGreen_18:
(Start: 89 @16490 has 84 MA's), (111, 16514), (130, 16559), (137, 16574), (150, 16595), (208, 16691), (299, 16826), (304, 16835), (349, 16895), (350, 16898), (354, 16904), (401, 16976), (417, 17009), (423, 17021), (467, 17084), (494, 17138), (505, 17159), (525, 17210), (549, 17252), (641, 17363), (643, 17366),

Gene: Muddy_20 Start: 15099, Stop: 16211, Start Num: 27
Candidate Starts for Muddy_20:
(Start: 27 @15099 has 4 MA's), (33, 15147), (Start: 101 @15255 has 5 MA's), (107, 15264), (140, 15333), (158, 15360), (243, 15507), (301, 15615), (350, 15690), (356, 15699), (379, 15735), (430, 15804), (455, 15846), (495, 15891), (499, 15900), (526, 15957), (593, 16062), (656, 16173),

Gene: Mufasa_18 Start: 13909, Stop: 15036, Start Num: 26
Candidate Starts for Mufasa_18:
(Start: 26 @13909 has 11 MA's), (29, 13918), (59, 14020), (120, 14110), (138, 14152), (157, 14179), (209, 14272), (213, 14278), (251, 14341), (268, 14380), (300, 14434), (350, 14512), (382, 14563), (394, 14587), (455, 14665), (477, 14683), (495, 14713), (516, 14755), (517, 14758), (581, 14872), (634, 14950), (642, 14965), (658, 15004), (663, 15022),

Gene: Mulch_21 Start: 16293, Stop: 17354, Start Num: 53
Candidate Starts for Mulch_21:
(Start: 53 @16293 has 18 MA's), (Start: 84 @16338 has 25 MA's), (Start: 109 @16368 has 8 MA's), (164, 16476), (252, 16626), (272, 16674), (323, 16758), (328, 16767), (354, 16809), (468, 16986), (487, 17019), (508, 17055), (619, 17250), (657, 17322), (658, 17325),

Gene: Mulciber_27 Start: 19730, Stop: 20752, Start Num: 90
Candidate Starts for Mulciber_27:
(Start: 90 @19730 has 231 MA's), (Start: 124 @19787 has 2 MA's), (161, 19862), (248, 19991), (281, 20051), (318, 20111), (327, 20117), (350, 20159), (379, 20204), (382, 20210), (428, 20294), (450, 20327), (607, 20609), (614, 20618), (621, 20633), (659, 20699),

Gene: Munch_27 Start: 19736, Stop: 20758, Start Num: 90
Candidate Starts for Munch_27:
(Start: 90 @19736 has 231 MA's), (Start: 124 @19793 has 2 MA's), (161, 19868), (248, 19997), (281, 20057), (318, 20117), (327, 20123), (350, 20165), (379, 20210), (382, 20216), (428, 20300), (450, 20333), (607, 20615), (614, 20624), (621, 20639), (659, 20705),

Gene: Murp_18 Start: 15861, Stop: 16721, Start Num: 73

Candidate Starts for Murp_18:
(Start: 73 @15861 has 24 MA's), (161, 16017), (209, 16098), (280, 16197), (352, 16305), (425, 16389), (477, 16455), (480, 16461), (562, 16590), (594, 16632),

Gene: Murucutumbu_22 Start: 15969, Stop: 17105, Start Num: 24
Candidate Starts for Murucutumbu_22:
(Start: 24 @15969 has 231 MA's), (59, 16086), (129, 16197), (138, 16218), (157, 16245), (214, 16347), (300, 16500), (352, 16581), (413, 16671), (495, 16782), (516, 16824), (565, 16917), (581, 16941), (642, 17034), (658, 17073), (663, 17091),

Gene: Mutzi_32 Start: 25361, Stop: 26293, Start Num: 77
Candidate Starts for Mutzi_32:
(Start: 77 @25361 has 34 MA's), (137, 25457), (170, 25526), (175, 25532), (183, 25544), (187, 25547), (194, 25556), (204, 25571), (322, 25745), (341, 25778), (343, 25781), (443, 25928), (520, 26063), (534, 26099), (563, 26141), (612, 26216), (624, 26237), (650, 26288),

Gene: Mynx_22 Start: 16034, Stop: 17170, Start Num: 24
Candidate Starts for Mynx_22:
(Start: 24 @16034 has 231 MA's), (59, 16151), (120, 16241), (129, 16262), (138, 16283), (157, 16310), (300, 16565), (352, 16646), (395, 16721), (413, 16736), (495, 16847), (516, 16889), (565, 16982), (581, 17006), (642, 17099), (658, 17138), (663, 17156),

Gene: Myxus_28 Start: 20527, Stop: 21540, Start Num: 90
Candidate Starts for Myxus_28:
(Start: 90 @20527 has 231 MA's), (Start: 106 @20545 has 6 MA's), (137, 20602), (149, 20620), (164, 20656), (281, 20836), (299, 20872), (327, 20902), (350, 20944), (440, 21103), (516, 21247), (548, 21310), (596, 21385), (607, 21397), (621, 21421),

Gene: NaSiaTalie_27 Start: 19198, Stop: 20214, Start Num: 90
Candidate Starts for NaSiaTalie_27:
(Start: 90 @19198 has 231 MA's), (137, 19273), (149, 19291), (164, 19327), (188, 19366), (299, 19543), (327, 19573), (349, 19612), (350, 19615), (607, 20071), (621, 20095),

Gene: Naca_23 Start: 18502, Stop: 19515, Start Num: 97
Candidate Starts for Naca_23:
(Start: 97 @18502 has 85 MA's), (149, 18598), (163, 18631), (164, 18634), (188, 18673), (281, 18808), (296, 18838), (318, 18868), (327, 18874), (336, 18892), (350, 18916), (377, 18958), (607, 19372), (659, 19462),

Gene: Nadeem_21 Start: 16293, Stop: 17354, Start Num: 53
Candidate Starts for Nadeem_21:
(Start: 53 @16293 has 18 MA's), (Start: 84 @16338 has 25 MA's), (Start: 109 @16368 has 8 MA's), (164, 16476), (252, 16626), (272, 16674), (323, 16758), (328, 16767), (354, 16809), (468, 16986), (487, 17019), (508, 17055), (619, 17250), (657, 17322), (658, 17325),

Gene: NadineRae_40 Start: 26218, Stop: 27138, Start Num: 109
Candidate Starts for NadineRae_40:
(Start: 109 @26218 has 8 MA's), (Start: 143 @26299 has 1 MA's), (165, 26344), (212, 26413), (277, 26539), (299, 26581), (356, 26665), (386, 26716), (411, 26749), (513, 26947), (519, 26965), (549, 27007), (613, 27103), (625, 27124),

Gene: Naiad_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Naiad_22:

(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: Nairb_18 Start: 16018, Stop: 16983, Start Num: 78
Candidate Starts for Nairb_18:
(Start: 78 @16018 has 8 MA's), (104, 16045), (113, 16063), (216, 16240), (217, 16243), (260, 16318), (299, 16384), (315, 16411), (349, 16468), (354, 16477), (494, 16714), (507, 16738), (555, 16837), (570, 16858), (583, 16879), (610, 16918), (617, 16927),

Gene: Naji_30 Start: 19042, Stop: 20052, Start Num: 90
Candidate Starts for Naji_30:
(Start: 90 @19042 has 231 MA's), (Start: 124 @19096 has 2 MA's), (137, 19117), (149, 19135), (256, 19306), (327, 19417), (349, 19456), (350, 19459), (379, 19504), (548, 19822), (596, 19897), (607, 19909), (621, 19933), (659, 19999),

Gene: Nancinator_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Nancinator_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: NancyRae_21 Start: 16299, Stop: 17360, Start Num: 53
Candidate Starts for NancyRae_21:
(Start: 53 @16299 has 18 MA's), (Start: 84 @16344 has 25 MA's), (Start: 109 @16374 has 8 MA's), (164, 16482), (252, 16632), (272, 16680), (323, 16764), (328, 16773), (354, 16815), (468, 16992), (487, 17025), (508, 17061), (619, 17256), (657, 17328), (658, 17331),

Gene: Nanosmite_31 Start: 21873, Stop: 22784, Start Num: 82
Candidate Starts for Nanosmite_31:
(Start: 82 @21873 has 21 MA's), (Start: 143 @21975 has 1 MA's), (156, 21993), (161, 22008), (Start: 207 @22077 has 1 MA's), (213, 22089), (267, 22167), (296, 22215), (349, 22305), (350, 22308), (395, 22377), (417, 22419), (476, 22512), (486, 22530), (503, 22566), (517, 22599), (537, 22647), (608, 22722), (617, 22734),

Gene: NatB6_40 Start: 28930, Stop: 29871, Start Num: 105
Candidate Starts for NatB6_40:
(Start: 105 @28930 has 26 MA's), (Start: 143 @29017 has 1 MA's), (186, 29092), (227, 29158), (248, 29200), (277, 29257), (411, 29470), (425, 29497), (488, 29608), (549, 29740), (613, 29836),

Gene: Natkenzie_34 Start: 29777, Stop: 30754, Start Num: 84
Candidate Starts for Natkenzie_34:
(Start: 84 @29777 has 25 MA's), (135, 29852), (140, 29864), (158, 29900), (177, 29936), (235, 30038), (260, 30092), (299, 30164), (341, 30227), (348, 30236), (385, 30293), (401, 30326), (417, 30359), (419, 30362), (450, 30419), (506, 30515), (518, 30548), (522, 30557), (532, 30578), (550, 30605), (564, 30626), (570, 30635), (573, 30641), (593, 30674), (594, 30677), (630, 30731), (640, 30743),

Gene: Natosaleda_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Natosaleda_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: NearlyHeadless_23 Start: 17651, Stop: 18673, Start Num: 97
Candidate Starts for NearlyHeadless_23:
(Start: 97 @17651 has 85 MA's), (161, 17774), (163, 17780), (208, 17852), (281, 17957), (294, 17984), (350, 18074), (465, 18275), (479, 18305), (480, 18308), (596, 18518), (623, 18557), (652, 18605), (659, 18620),

Gene: Nebkiss_14 Start: 13326, Stop: 14438, Start Num: 35
Candidate Starts for Nebkiss_14:
(Start: 35 @13326 has 2 MA's), (37, 13329), (95, 13422), (Start: 101 @13428 has 5 MA's), (Start: 124 @13473 has 2 MA's), (137, 13503), (156, 13530), (157, 13533), (159, 13539), (164, 13554), (165, 13557), (209, 13626), (213, 13632), (251, 13710), (283, 13767), (300, 13803), (343, 13869), (350, 13881), (408, 13983), (410, 13986), (422, 14013), (455, 14076), (516, 14157), (518, 14163), (545, 14220), (565, 14250), (574, 14265), (593, 14289), (596, 14295), (634, 14352), (663, 14424),

Gene: Nebulosus_29 Start: 18119, Stop: 19096, Start Num: 93
Candidate Starts for Nebulosus_29:
(Start: 93 @18119 has 22 MA's), (161, 18233), (163, 18239), (164, 18242), (308, 18476), (477, 18743), (514, 18797), (607, 18953),

Gene: Nedarya_28 Start: 18765, Stop: 19742, Start Num: 92
Candidate Starts for Nedarya_28:
(Start: 92 @18765 has 1 MA's), (163, 18885), (Start: 207 @18954 has 1 MA's), (208, 18957), (248, 19008), (308, 19122), (484, 19401), (607, 19599), (614, 19608), (659, 19689),

Gene: Neeharika16_30 Start: 18959, Stop: 19972, Start Num: 90
Candidate Starts for Neeharika16_30:
(Start: 90 @18959 has 231 MA's), (Start: 124 @19013 has 2 MA's), (149, 19052), (208, 19157), (299, 19304), (327, 19334), (349, 19373), (350, 19376), (379, 19421), (412, 19481), (516, 19679), (607, 19829), (614, 19838),

Gene: Neighly_20 Start: 16168, Stop: 17298, Start Num: 28
Candidate Starts for Neighly_20:
(Start: 28 @16168 has 23 MA's), (107, 16342), (137, 16408), (157, 16438), (213, 16537), (268, 16639), (300, 16693), (324, 16723), (343, 16759), (345, 16762), (350, 16771), (394, 16846), (395, 16849), (430, 16885), (455, 16927), (477, 16945), (480, 16951), (495, 16975), (496, 16978), (516, 17017), (571, 17119), (642, 17227), (658, 17266), (663, 17284),

Gene: Neobush_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Neobush_18:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: Neoh_17 Start: 15469, Stop: 16641, Start Num: 24
Candidate Starts for Neoh_17:
(5, 15136), (Start: 24 @15469 has 231 MA's), (59, 15589), (Start: 70 @15607 has 13 MA's), (107, 15652), (Start: 109 @15658 has 8 MA's), (137, 15721), (159, 15757), (201, 15826), (202, 15829), (213, 15850), (248, 15904), (268, 15949), (289, 15979), (350, 16081), (358, 16093), (368, 16105), (377, 16123), (477, 16288), (495, 16318), (508, 16336), (516, 16360), (583, 16480), (642, 16570), (656, 16603),

Gene: Nergal_21 Start: 15940, Stop: 17028, Start Num: 30
Candidate Starts for Nergal_21:

(Start: 30 @15940 has 1 MA's), (39, 15961), (Start: 124 @16105 has 2 MA's), (137, 16135), (148, 16153), (157, 16165), (178, 16210), (214, 16267), (251, 16312), (343, 16471), (350, 16483), (361, 16498), (377, 16525), (411, 16573), (438, 16615), (465, 16645), (480, 16678), (488, 16690), (516, 16747), (529, 16783), (554, 16825), (581, 16864), (611, 16912), (621, 16927), (634, 16945), (656, 16993), (657, 16996),

Gene: Nette_18 Start: 15837, Stop: 16802, Start Num: 78
Candidate Starts for Nette_18:
(Start: 78 @15837 has 8 MA's), (104, 15864), (113, 15882), (217, 16062), (260, 16137), (315, 16230), (349, 16287), (354, 16296), (405, 16380), (507, 16557), (512, 16572), (525, 16605), (555, 16656), (583, 16698), (610, 16737), (617, 16746),

Gene: Nettuno_16 Start: 13849, Stop: 14697, Start Num: 166
Candidate Starts for Nettuno_16:
(128, 13762), (Start: 166 @13849 has 45 MA's), (171, 13855), (223, 13939), (255, 13990), (281, 14044), (290, 14059), (297, 14077), (324, 14110), (365, 14176), (377, 14197), (379, 14200), (390, 14221), (426, 14278), (537, 14500), (540, 14506), (650, 14662), (654, 14668),

Gene: Netyap_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for Netyap_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Neville_27 Start: 22392, Stop: 23303, Start Num: 86
Candidate Starts for Neville_27:
(Start: 74 @22377 has 10 MA's), (Start: 86 @22392 has 6 MA's), (Start: 124 @22449 has 2 MA's), (137, 22479), (183, 22557), (208, 22593), (259, 22668), (279, 22701), (299, 22737), (348, 22818), (349, 22821), (368, 22848), (370, 22854), (389, 22881), (421, 22941), (423, 22947), (493, 23070), (494, 23073), (505, 23094), (517, 23124), (520, 23133), (537, 23172), (541, 23175), (573, 23217), (591, 23232), (594, 23238), (613, 23256), (620, 23271),

Gene: Newrala_30 Start: 18959, Stop: 19972, Start Num: 90
Candidate Starts for Newrala_30:
(Start: 90 @18959 has 231 MA's), (Start: 124 @19013 has 2 MA's), (149, 19052), (208, 19157), (299, 19304), (327, 19334), (349, 19373), (350, 19376), (379, 19421), (412, 19481), (516, 19679), (607, 19829), (614, 19838),

Gene: Nibb_21 Start: 15295, Stop: 16431, Start Num: 24
Candidate Starts for Nibb_21:
(Start: 24 @15295 has 231 MA's), (59, 15412), (Start: 70 @15430 has 13 MA's), (120, 15502), (129, 15523), (157, 15571), (268, 15772), (332, 15871), (343, 15892), (394, 15979), (455, 16060), (516, 16150), (517, 16153), (565, 16243), (642, 16360), (653, 16387), (658, 16399), (663, 16417),

Gene: Nicholas_18 Start: 16490, Stop: 17380, Start Num: 89
Candidate Starts for Nicholas_18:
(Start: 89 @16490 has 84 MA's), (111, 16514), (130, 16559), (137, 16574), (150, 16595), (208, 16691), (299, 16826), (304, 16835), (349, 16895), (350, 16898), (354, 16904), (401, 16976), (417, 17009), (423, 17021), (467, 17084), (494, 17138), (505, 17159), (525, 17210), (549, 17252), (641, 17363), (643, 17366),

Gene: Nicholasp3_17 Start: 16079, Stop: 16993, Start Num: 89

Candidate Starts for Nicholasp3_17:
(Start: 89 @16079 has 84 MA's), (111, 16103), (Start: 124 @16133 has 2 MA's), (197, 16259), (251, 16331), (348, 16484), (349, 16487), (350, 16490), (370, 16520), (405, 16577), (417, 16601), (421, 16607), (467, 16676), (476, 16694), (488, 16715), (513, 16769), (517, 16781), (549, 16844), (641, 16973), (649, 16985),

Gene: NicoleTera_31 Start: 21002, Stop: 22015, Start Num: 90
Candidate Starts for NicoleTera_31:
(Start: 90 @21002 has 231 MA's), (Start: 106 @21020 has 6 MA's), (149, 21095), (164, 21131), (188, 21170), (327, 21377), (349, 21416), (350, 21419), (379, 21464), (412, 21524), (499, 21683), (607, 21872),

Gene: Nikao_18 Start: 15554, Stop: 16696, Start Num: 24
Candidate Starts for Nikao_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: Niklas_22 Start: 15378, Stop: 16517, Start Num: 24
Candidate Starts for Niklas_22:
(Start: 24 @15378 has 231 MA's), (59, 15498), (120, 15588), (157, 15657), (213, 15756), (214, 15759), (268, 15858), (300, 15912), (352, 15993), (395, 16068), (413, 16083), (480, 16170), (495, 16194), (516, 16236), (517, 16239), (539, 16290), (565, 16329), (621, 16413), (634, 16431), (642, 16446), (658, 16485), (663, 16503),

Gene: NoShow_17 Start: 14354, Stop: 15487, Start Num: 27
Candidate Starts for NoShow_17:
(Start: 27 @14354 has 4 MA's), (33, 14402), (80, 14507), (Start: 105 @14531 has 26 MA's), (156, 14624), (228, 14753), (301, 14888), (343, 14954), (350, 14966), (356, 14975), (394, 15041), (438, 15101), (440, 15104), (455, 15125), (479, 15146), (495, 15170), (499, 15179), (517, 15212), (525, 15233), (614, 15371), (644, 15422), (656, 15452), (658, 15458),

Gene: Nordenberg_28 Start: 28984, Stop: 29940, Start Num: 71
Candidate Starts for Nordenberg_28:
(Start: 71 @28984 has 52 MA's), (175, 29170), (183, 29182), (204, 29209), (214, 29230), (262, 29290), (322, 29380), (343, 29416), (366, 29449), (373, 29464), (381, 29476), (398, 29506), (400, 29512), (443, 29572), (498, 29662), (539, 29752), (554, 29776), (563, 29788), (605, 29854), (631, 29893), (637, 29905),

Gene: Norvs_48 Start: 28708, Stop: 29595, Start Num: 63
Candidate Starts for Norvs_48:
(Start: 63 @28708 has 10 MA's), (Start: 69 @28714 has 12 MA's), (108, 28762), (120, 28789), (158, 28861), (196, 28927), (213, 28957), (288, 29065), (350, 29158), (369, 29182), (376, 29197), (455, 29293), (495, 29341), (604, 29521), (628, 29557),

Gene: NosilaM_43 Start: 29537, Stop: 30454, Start Num: 106
Candidate Starts for NosilaM_43:
(Start: 106 @29537 has 6 MA's), (Start: 143 @29618 has 1 MA's), (162, 29654), (248, 29801), (386, 30035), (410, 30062), (488, 30206), (495, 30224), (549, 30323), (613, 30419), (617, 30425), (625, 30440),

Gene: NothingSpecial_29 Start: 21202, Stop: 22212, Start Num: 90
Candidate Starts for NothingSpecial_29:

(Start: 90 @21202 has 231 MA's), (149, 21295), (164, 21331), (188, 21370), (327, 21577), (349, 21616), (350, 21619), (379, 21664), (548, 21982), (596, 22057), (607, 22069), (621, 22093), (659, 22159),

Gene: November_20 Start: 16335, Stop: 17471, Start Num: 24
Candidate Starts for November_20:
(Start: 24 @16335 has 231 MA's), (59, 16452), (Start: 70 @16470 has 13 MA's), (98, 16503), (120, 16542), (157, 16611), (216, 16716), (268, 16812), (300, 16866), (343, 16932), (350, 16944), (455, 17100), (480, 17124), (516, 17190), (517, 17193), (518, 17196), (565, 17283), (642, 17400), (663, 17457),

Gene: NovoPizza_19 Start: 16611, Stop: 17699, Start Num: 49
Candidate Starts for NovoPizza_19:
(Start: 49 @16611 has 22 MA's), (52, 16620), (117, 16716), (133, 16746), (156, 16782), (157, 16785), (159, 16791), (258, 16974), (263, 16983), (272, 17004), (276, 17010), (357, 17145), (371, 17163), (429, 17247), (463, 17313), (473, 17331), (498, 17385), (545, 17484), (547, 17487), (565, 17514), (593, 17553), (644, 17631),

Gene: NovumRegina_40 Start: 29260, Stop: 30201, Start Num: 105
Candidate Starts for NovumRegina_40:
(Start: 105 @29260 has 26 MA's), (Start: 143 @29347 has 1 MA's), (186, 29422), (227, 29488), (248, 29530), (277, 29587), (411, 29800), (425, 29827), (488, 29938), (549, 30070), (613, 30166),

Gene: Nubi_30 Start: 24922, Stop: 25866, Start Num: 77
Candidate Starts for Nubi_30:
(Start: 77 @24922 has 34 MA's), (137, 25027), (170, 25096), (175, 25102), (194, 25126), (204, 25141), (443, 25501), (454, 25516), (471, 25534), (520, 25636), (539, 25678), (563, 25714), (624, 25810), (650, 25861),

Gene: Nutello_18 Start: 15554, Stop: 16696, Start Num: 24
Candidate Starts for Nutello_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: Nyceirae_22 Start: 17929, Stop: 18777, Start Num: 64
Candidate Starts for Nyceirae_22:
(Start: 64 @17929 has 1 MA's), (85, 17938), (Start: 103 @17959 has 5 MA's), (Start: 105 @17962 has 26 MA's), (164, 18085), (203, 18145), (209, 18157), (278, 18253), (280, 18256), (300, 18292), (386, 18421), (493, 18541), (510, 18562), (528, 18613), (556, 18649), (596, 18703),

Gene: Nymphadora_18 Start: 16940, Stop: 17767, Start Num: 174
Candidate Starts for Nymphadora_18:
(Start: 174 @16940 has 36 MA's), (221, 17015), (287, 17135), (290, 17141), (333, 17207), (340, 17219), (377, 17276), (382, 17285), (402, 17321), (408, 17330), (426, 17351), (477, 17435), (511, 17510), (521, 17531), (605, 17654), (629, 17687),

Gene: OBUpride_21 Start: 16309, Stop: 17403, Start Num: 49
Candidate Starts for OBUpride_21:
(Start: 49 @16309 has 22 MA's), (52, 16318), (117, 16414), (Start: 124 @16423 has 2 MA's), (127, 16432), (157, 16483), (159, 16489), (216, 16585), (226, 16603), (258, 16672), (263, 16681), (272, 16702), (276, 16708), (280, 16714), (282, 16717), (323, 16789), (325, 16792), (428, 16948), (460, 16999), (463, 17017), (498, 17089), (510, 17107), (547, 17191), (565, 17218), (567, 17221), (593,

17257), (604, 17275), (634, 17317), (642, 17332), (644, 17335), (656, 17365), (658, 17371),

Gene: ODay_23 Start: 17611, Stop: 18537, Start Num: 147
Candidate Starts for ODay_23:
(146, 17608), (Start: 147 @17611 has 26 MA's), (175, 17668), (247, 17770), (254, 17782), (265, 17806), (273, 17815), (275, 17818), (277, 17821), (313, 17884), (347, 17917), (366, 17938), (374, 17953), (409, 18013), (414, 18025), (426, 18049), (444, 18076), (446, 18079), (465, 18109), (492, 18163), (501, 18187), (533, 18268), (558, 18310), (560, 18313), (567, 18322), (569, 18325), (576, 18337), (578, 18340), (588, 18352), (593, 18364), (607, 18385), (614, 18394), (618, 18403), (646, 18451), (661, 18493), (663, 18499),

Gene: ObLaDi_18 Start: 15622, Stop: 16530, Start Num: 83
Candidate Starts for ObLaDi_18:
(Start: 83 @15622 has 5 MA's), (Start: 106 @15649 has 6 MA's), (123, 15682), (173, 15784), (193, 15811), (208, 15835), (299, 15970), (327, 16000), (348, 16036), (350, 16042), (356, 16051), (428, 16129), (457, 16159), (461, 16165), (470, 16180), (537, 16285), (585, 16351), (649, 16450), (660, 16477), (661, 16483), (668, 16519),

Gene: Obliviate_17 Start: 15583, Stop: 16443, Start Num: 73
Candidate Starts for Obliviate_17:
(Start: 66 @15577 has 10 MA's), (Start: 73 @15583 has 24 MA's), (161, 15739), (209, 15820), (280, 15919), (352, 16027), (425, 16111), (477, 16177), (510, 16222), (562, 16312), (594, 16354),

Gene: OctaviousRex_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for OctaviousRex_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Octobien14_27 Start: 21830, Stop: 22741, Start Num: 86
Candidate Starts for Octobien14_27:
(Start: 86 @21830 has 6 MA's), (99, 21845), (183, 21995), (208, 22031), (279, 22139), (336, 22238), (348, 22256), (350, 22262), (368, 22286), (421, 22379), (492, 22505), (494, 22511), (505, 22532), (516, 22559), (541, 22613), (573, 22655), (610, 22691), (620, 22709),

Gene: Odin_26 Start: 17954, Stop: 18964, Start Num: 90
Candidate Starts for Odin_26:
(Start: 90 @17954 has 231 MA's), (137, 18029), (149, 18047), (164, 18083), (327, 18329), (349, 18368), (350, 18371), (379, 18416), (428, 18506), (499, 18632), (548, 18734), (607, 18821), (621, 18845), (659, 18911),

Gene: OhShagHennessy_17 Start: 15830, Stop: 16711, Start Num: 89
Candidate Starts for OhShagHennessy_17:
(55, 15776), (56, 15779), (Start: 74 @15812 has 10 MA's), (Start: 89 @15830 has 84 MA's), (111, 15854), (Start: 124 @15884 has 2 MA's), (130, 15899), (150, 15932), (251, 16076), (296, 16157), (349, 16232), (350, 16235), (354, 16241), (382, 16286), (401, 16313), (417, 16346), (421, 16352), (445, 16385), (451, 16394), (467, 16421), (523, 16541), (549, 16589), (573, 16616), (613, 16655), (617, 16661), (641, 16700),

Gene: Ohgeesy_18 Start: 16563, Stop: 17390, Start Num: 174
Candidate Starts for Ohgeesy_18:

(Start: 174 @16563 has 36 MA's), (221, 16638), (287, 16758), (290, 16764), (333, 16830), (340, 16842), (377, 16899), (382, 16908), (402, 16944), (408, 16953), (426, 16974), (477, 17058), (511, 17133), (521, 17154), (605, 17277), (629, 17310),

Gene: OkiRoe_20 Start: 16324, Stop: 17454, Start Num: 28
Candidate Starts for OkiRoe_20:
(Start: 28 @16324 has 23 MA's), (137, 16564), (138, 16567), (157, 16594), (213, 16693), (268, 16795), (300, 16849), (324, 16879), (343, 16915), (345, 16918), (350, 16927), (394, 17002), (395, 17005), (430, 17041), (455, 17083), (477, 17101), (480, 17107), (495, 17131), (496, 17134), (499, 17140), (516, 17173), (642, 17383), (658, 17422), (663, 17440),

Gene: Olga_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Olga_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: OmniCritical_23 Start: 17398, Stop: 18531, Start Num: 24
Candidate Starts for OmniCritical_23:
(Start: 24 @17398 has 231 MA's), (29, 17416), (46, 17488), (59, 17518), (120, 17608), (138, 17650), (156, 17674), (214, 17779), (300, 17932), (348, 18001), (350, 18007), (455, 18160), (477, 18178), (495, 18208), (516, 18250), (517, 18253), (634, 18445), (642, 18460), (658, 18499), (663, 18517),

Gene: Omnicron_20 Start: 15090, Stop: 16220, Start Num: 28
Candidate Starts for Omnicron_20:
(Start: 28 @15090 has 23 MA's), (Start: 70 @15219 has 13 MA's), (107, 15264), (137, 15330), (138, 15333), (157, 15360), (175, 15402), (213, 15459), (268, 15561), (300, 15615), (324, 15645), (343, 15681), (350, 15693), (382, 15744), (394, 15768), (428, 15801), (455, 15849), (480, 15873), (495, 15897), (496, 15900), (516, 15939), (642, 16149), (658, 16188), (663, 16206),

Gene: OneDirection_16 Start: 13816, Stop: 14664, Start Num: 166
Candidate Starts for OneDirection_16:
(128, 13729), (Start: 166 @13816 has 45 MA's), (171, 13822), (223, 13906), (255, 13957), (281, 14011), (297, 14044), (324, 14077), (365, 14143), (377, 14164), (379, 14167), (390, 14188), (426, 14245), (537, 14467), (540, 14473), (650, 14629), (654, 14635),

Gene: OneUp_41 Start: 26148, Stop: 27029, Start Num: 65
Candidate Starts for OneUp_41:
(14, 25920), (16, 25944), (17, 25953), (Start: 65 @26148 has 1 MA's), (108, 26196), (158, 26295), (163, 26310), (250, 26427), (316, 26538), (350, 26592), (369, 26616), (376, 26631), (454, 26724), (455, 26727), (476, 26742), (495, 26775), (594, 26940), (626, 26988), (628, 26991),

Gene: Onglai_27 Start: 18861, Stop: 19874, Start Num: 90
Candidate Starts for Onglai_27:
(Start: 90 @18861 has 231 MA's), (Start: 106 @18879 has 6 MA's), (137, 18936), (149, 18954), (164, 18990), (281, 19170), (299, 19206), (327, 19236), (350, 19278), (440, 19437), (516, 19581), (548, 19644), (596, 19719), (607, 19731), (621, 19755),

Gene: Oofda_29 Start: 18093, Stop: 19070, Start Num: 93
Candidate Starts for Oofda_29:

(Start: 93 @18093 has 22 MA's), (161, 18207), (163, 18213), (164, 18216), (308, 18450), (477, 18717), (514, 18771), (607, 18927),

Gene: Orange_27 Start: 19736, Stop: 20758, Start Num: 90
Candidate Starts for Orange_27:
(Start: 90 @19736 has 231 MA's), (Start: 124 @19793 has 2 MA's), (161, 19868), (248, 19997), (281, 20057), (318, 20117), (327, 20123), (350, 20165), (379, 20210), (382, 20216), (428, 20300), (450, 20333), (607, 20615), (614, 20624), (621, 20639), (659, 20705),

Gene: Oregano_19 Start: 16535, Stop: 17371, Start Num: 166
Candidate Starts for Oregano_19:
(Start: 166 @16535 has 45 MA's), (Start: 174 @16544 has 36 MA's), (204, 16586), (221, 16619), (228, 16634), (256, 16682), (290, 16745), (292, 16751), (320, 16790), (353, 16844), (379, 16883), (382, 16889), (402, 16925), (426, 16955), (430, 16964), (511, 17114), (555, 17204), (629, 17291),

Gene: Oscar_21 Start: 15261, Stop: 16397, Start Num: 24
Candidate Starts for Oscar_21:
(Start: 24 @15261 has 231 MA's), (59, 15378), (Start: 70 @15396 has 13 MA's), (107, 15441), (129, 15489), (157, 15537), (268, 15738), (300, 15792), (332, 15837), (343, 15858), (377, 15912), (394, 15945), (413, 15963), (455, 16026), (516, 16116), (517, 16119), (539, 16170), (565, 16209), (642, 16326), (658, 16365), (663, 16383),

Gene: Outis_41 Start: 29510, Stop: 30433, Start Num: 105
Candidate Starts for Outis_41:
(Start: 105 @29510 has 26 MA's), (Start: 143 @29597 has 1 MA's), (162, 29633), (186, 29672), (410, 30041), (488, 30185), (549, 30302), (613, 30398), (617, 30404), (625, 30419),

Gene: OverPar_17 Start: 16106, Stop: 17020, Start Num: 89
Candidate Starts for OverPar_17:
(Start: 89 @16106 has 84 MA's), (111, 16130), (Start: 124 @16160 has 2 MA's), (197, 16286), (251, 16358), (348, 16511), (349, 16514), (350, 16517), (370, 16547), (405, 16604), (417, 16628), (421, 16634), (467, 16703), (476, 16721), (488, 16742), (513, 16796), (517, 16808), (549, 16871), (641, 17000), (649, 17012),

Gene: P1201_46 Start: 33556, Stop: 34458, Start Num: 90
Candidate Starts for P1201_46:
(Start: 90 @33556 has 231 MA's), (158, 33685), (212, 33775), (216, 33784), (228, 33802), (345, 34015), (373, 34057), (421, 34132), (429, 34150), (430, 34153), (442, 34174), (504, 34246), (517, 34279), (549, 34327),

Gene: P3MA_17 Start: 13196, Stop: 14293, Start Num: 38
Candidate Starts for P3MA_17:
(Start: 38 @13196 has 1 MA's), (Start: 70 @13280 has 13 MA's), (Start: 109 @13331 has 8 MA's), (137, 13391), (138, 13394), (148, 13409), (175, 13463), (227, 13547), (273, 13640), (279, 13649), (350, 13769), (377, 13811), (395, 13847), (428, 13874), (455, 13922), (477, 13940), (488, 13958), (495, 13970), (496, 13973), (514, 14003), (516, 14006), (518, 14012), (547, 14072), (604, 14162), (618, 14183), (634, 14207), (642, 14222), (656, 14255), (658, 14261), (664, 14285),

Gene: PCoral7_18 Start: 15883, Stop: 16743, Start Num: 70
Candidate Starts for PCoral7_18:
(Start: 70 @15883 has 13 MA's), (Start: 88 @15898 has 1 MA's), (Start: 109 @15928 has 8 MA's), (119, 15949), (161, 16039), (209, 16120), (350, 16324), (352, 16327), (510, 16522), (562, 16612), (594, 16654), (626, 16702), (630, 16708),

Gene: PP_36 Start: 24810, Stop: 25829, Start Num: 87
Candidate Starts for PP_36:
(Start: 87 @24810 has 1 MA's), (137, 24888), (150, 24909), (164, 24942), (188, 24981), (208, 25011), (299, 25158), (327, 25188), (350, 25230), (450, 25404), (466, 25434), (536, 25584), (581, 25647), (596, 25674), (607, 25686), (621, 25710),

Gene: PSonyx_16 Start: 16641, Stop: 17522, Start Num: 81
Candidate Starts for PSonyx_16:
(Start: 81 @16641 has 2 MA's), (258, 16932), (265, 16944), (281, 16968), (338, 17052), (354, 17079), (370, 17103), (383, 17127), (425, 17148), (432, 17166), (465, 17196), (542, 17283), (559, 17310), (640, 17430), (649, 17445), (663, 17484),

Gene: PYPDinur_17 Start: 15692, Stop: 16579, Start Num: 89
Candidate Starts for PYPDinur_17:
(Start: 89 @15692 has 84 MA's), (111, 15716), (123, 15743), (Start: 124 @15746 has 2 MA's), (130, 15761), (150, 15794), (208, 15890), (299, 16025), (304, 16034), (349, 16094), (350, 16097), (401, 16175), (410, 16190), (421, 16214), (445, 16247), (467, 16283), (479, 16307), (489, 16325), (493, 16334), (513, 16376), (523, 16403), (549, 16451), (573, 16478), (641, 16562),

Gene: Pace1224_17 Start: 15628, Stop: 16848, Start Num: 18
Candidate Starts for Pace1224_17:
(5, 15304), (Start: 18 @15628 has 1 MA's), (Start: 24 @15664 has 231 MA's), (59, 15790), (Start: 109 @15850 has 8 MA's), (120, 15874), (138, 15916), (140, 15919), (159, 15949), (202, 16021), (214, 16045), (222, 16060), (224, 16066), (243, 16105), (248, 16111), (332, 16255), (341, 16273), (354, 16294), (358, 16300), (373, 16324), (393, 16360), (495, 16525), (516, 16567), (518, 16573), (621, 16744), (656, 16810),

Gene: PackMan_28 Start: 20527, Stop: 21540, Start Num: 90
Candidate Starts for PackMan_28:
(Start: 90 @20527 has 231 MA's), (Start: 106 @20545 has 6 MA's), (137, 20602), (149, 20620), (164, 20656), (281, 20836), (299, 20872), (327, 20902), (350, 20944), (440, 21103), (516, 21247), (548, 21310), (596, 21385), (607, 21397), (621, 21421),

Gene: Padfoot_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Padfoot_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Padpat_22 Start: 16011, Stop: 17147, Start Num: 24
Candidate Starts for Padpat_22:
(Start: 24 @16011 has 231 MA's), (59, 16128), (120, 16218), (129, 16239), (138, 16260), (157, 16287), (300, 16542), (352, 16623), (395, 16698), (413, 16713), (495, 16824), (516, 16866), (565, 16959), (581, 16983), (642, 17076), (658, 17115), (663, 17133),

Gene: PainterBoy_28 Start: 19862, Stop: 20878, Start Num: 90
Candidate Starts for PainterBoy_28:
(Start: 90 @19862 has 231 MA's), (Start: 106 @19880 has 6 MA's), (149, 19955), (188, 20030), (237, 20093), (327, 20237), (349, 20276), (350, 20279), (402, 20366), (528, 20618), (536, 20633), (561, 20669), (607, 20735), (618, 20753), (621, 20759),

Gene: Paito_17 Start: 15610, Stop: 16782, Start Num: 24

Candidate Starts for Paito_17:
(Start: 24 @15610 has 231 MA's), (59, 15730), (Start: 70 @15748 has 13 MA's), (Start: 109 @15799 has 8 MA's), (120, 15823), (137, 15862), (156, 15889), (201, 15967), (202, 15970), (213, 15991), (248, 16045), (289, 16120), (350, 16222), (358, 16234), (477, 16429), (495, 16459), (508, 16477), (554, 16579), (656, 16744),

Gene: PantheRoc_18 Start: 16271, Stop: 17098, Start Num: 174
Candidate Starts for PantheRoc_18:
(Start: 174 @16271 has 36 MA's), (221, 16346), (287, 16466), (290, 16472), (333, 16538), (340, 16550), (377, 16607), (382, 16616), (402, 16652), (408, 16661), (426, 16682), (477, 16766), (511, 16841), (521, 16862), (605, 16985), (629, 17018),

Gene: Paola_20 Start: 16323, Stop: 17453, Start Num: 28
Candidate Starts for Paola_20:
(Start: 28 @16323 has 23 MA's), (137, 16563), (138, 16566), (157, 16593), (213, 16692), (268, 16794), (300, 16848), (324, 16878), (343, 16914), (345, 16917), (350, 16926), (394, 17001), (395, 17004), (455, 17082), (477, 17100), (480, 17106), (495, 17130), (496, 17133), (499, 17139), (516, 17172), (642, 17382), (658, 17421), (663, 17439),

Gene: Parada_21 Start: 16293, Stop: 17354, Start Num: 53
Candidate Starts for Parada_21:
(Start: 53 @16293 has 18 MA's), (Start: 84 @16338 has 25 MA's), (Start: 109 @16368 has 8 MA's), (164, 16476), (252, 16626), (272, 16674), (323, 16758), (328, 16767), (354, 16809), (468, 16986), (487, 17019), (508, 17055), (619, 17250), (657, 17322), (658, 17325),

Gene: Paries_36 Start: 30450, Stop: 31406, Start Num: 71
Candidate Starts for Paries_36:
(Start: 71 @30450 has 52 MA's), (175, 30636), (183, 30648), (204, 30675), (214, 30696), (262, 30756), (319, 30843), (322, 30846), (343, 30882), (366, 30915), (373, 30930), (381, 30942), (398, 30972), (400, 30978), (443, 31038), (498, 31128), (539, 31218), (554, 31242), (563, 31254), (605, 31320), (631, 31359), (637, 31371),

Gene: Partridge_22 Start: 15513, Stop: 16385, Start Num: 97
Candidate Starts for Partridge_22:
(Start: 97 @15513 has 85 MA's), (120, 15552), (163, 15639), (Start: 207 @15708 has 1 MA's), (260, 15786), (350, 15924), (548, 16149), (559, 16167), (607, 16236), (668, 16374),

Gene: Patio_43 Start: 29772, Stop: 30689, Start Num: 105
Candidate Starts for Patio_43:
(Start: 105 @29772 has 26 MA's), (Start: 143 @29850 has 1 MA's), (186, 29925), (248, 30033), (293, 30117), (410, 30297), (411, 30303), (519, 30519), (549, 30558), (595, 30633), (606, 30645), (613, 30654), (625, 30675),

Gene: Patt_23 Start: 17231, Stop: 18364, Start Num: 24
Candidate Starts for Patt_23:
(Start: 24 @17231 has 231 MA's), (29, 17249), (46, 17321), (59, 17351), (120, 17441), (Start: 124 @17450 has 2 MA's), (138, 17483), (156, 17507), (214, 17612), (300, 17765), (348, 17834), (350, 17840), (455, 17993), (477, 18011), (495, 18041), (516, 18083), (517, 18086), (634, 18278), (642, 18293), (658, 18332), (663, 18350),

Gene: Peanam_22 Start: 15375, Stop: 16514, Start Num: 24
Candidate Starts for Peanam_22:

(Start: 24 @15375 has 231 MA's), (59, 15495), (120, 15585), (157, 15654), (213, 15753), (214, 15756), (268, 15855), (300, 15909), (352, 15990), (395, 16065), (413, 16080), (480, 16167), (495, 16191), (516, 16233), (517, 16236), (539, 16287), (565, 16326), (621, 16410), (634, 16428), (642, 16443), (658, 16482), (663, 16500),

Gene: Peeb_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Peeb_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Peel_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Peel_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: PegLeg_27 Start: 21456, Stop: 22367, Start Num: 82
Candidate Starts for PegLeg_27:
(Start: 82 @21456 has 21 MA's), (Start: 143 @21558 has 1 MA's), (156, 21576), (161, 21591), (208, 21663), (213, 21672), (267, 21750), (348, 21885), (349, 21888), (350, 21891), (395, 21960), (417, 22002), (421, 22008), (503, 22149), (513, 22170), (517, 22182), (608, 22305), (617, 22317),

Gene: Pemberton_44 Start: 26958, Stop: 27878, Start Num: 109
Candidate Starts for Pemberton_44:
(Start: 109 @26958 has 8 MA's), (Start: 143 @27039 has 1 MA's), (165, 27084), (212, 27153), (299, 27321), (356, 27405), (386, 27456), (411, 27489), (513, 27687), (519, 27705), (549, 27747), (608, 27837), (613, 27843), (625, 27864),

Gene: Pepperoni_16 Start: 14166, Stop: 15014, Start Num: 166
Candidate Starts for Pepperoni_16:
(128, 14079), (Start: 166 @14166 has 45 MA's), (171, 14172), (223, 14256), (255, 14307), (281, 14361), (297, 14394), (324, 14427), (365, 14493), (377, 14514), (379, 14517), (390, 14538), (426, 14595), (537, 14817), (540, 14823), (650, 14979), (654, 14985),

Gene: Periodt_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Periodt_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Petersenfast_26 Start: 19733, Stop: 20755, Start Num: 90
Candidate Starts for Petersenfast_26:
(Start: 90 @19733 has 231 MA's), (Start: 124 @19790 has 2 MA's), (161, 19865), (248, 19994), (281, 20054), (318, 20114), (327, 20120), (350, 20162), (379, 20207), (382, 20213), (428, 20297), (450, 20330), (607, 20612), (614, 20621), (621, 20636), (659, 20702),

Gene: PeteyPab_32 Start: 28461, Stop: 29327, Start Num: 90
Candidate Starts for PeteyPab_32:

(Start: 90 @28461 has 231 MA's), (110, 28485), (127, 28530), (158, 28590), (180, 28629), (235, 28725), (327, 28887), (345, 28920), (410, 28995), (421, 29019), (522, 29160), (549, 29196), (568, 29223), (603, 29280),

Gene: Petra_20 Start: 16194, Stop: 17054, Start Num: 73
Candidate Starts for Petra_20:
(Start: 66 @16188 has 10 MA's), (Start: 73 @16194 has 24 MA's), (141, 16311), (161, 16350), (209, 16431), (280, 16530), (352, 16638), (425, 16722), (477, 16788), (480, 16794), (562, 16923), (594, 16965),

Gene: PetterN_24 Start: 17936, Stop: 18949, Start Num: 97
Candidate Starts for PetterN_24:
(Start: 97 @17936 has 85 MA's), (163, 18065), (164, 18068), (188, 18107), (296, 18272), (318, 18302), (327, 18308), (336, 18326), (350, 18350), (377, 18392), (607, 18806), (659, 18896),

Gene: Ph8s_28 Start: 17912, Stop: 18922, Start Num: 90
Candidate Starts for Ph8s_28:
(Start: 90 @17912 has 231 MA's), (137, 17987), (149, 18005), (164, 18041), (327, 18287), (349, 18326), (350, 18329), (428, 18464), (480, 18557), (499, 18590), (561, 18713), (583, 18743), (607, 18779), (621, 18803),

Gene: Phaded_30 Start: 21122, Stop: 22138, Start Num: 90
Candidate Starts for Phaded_30:
(Start: 90 @21122 has 231 MA's), (137, 21197), (149, 21215), (188, 21290), (281, 21431), (296, 21461), (327, 21497), (350, 21539), (403, 21629), (422, 21665), (428, 21680), (499, 21806), (536, 21893), (607, 21995), (621, 22019),

Gene: Phaeder_28 Start: 20527, Stop: 21540, Start Num: 90
Candidate Starts for Phaeder_28:
(Start: 90 @20527 has 231 MA's), (Start: 106 @20545 has 6 MA's), (137, 20602), (149, 20620), (164, 20656), (281, 20836), (299, 20872), (327, 20902), (350, 20944), (440, 21103), (516, 21247), (548, 21310), (596, 21385), (607, 21397), (621, 21421),

Gene: PhailMary_21 Start: 15802, Stop: 16674, Start Num: 97
Candidate Starts for PhailMary_21:
(Start: 97 @15802 has 85 MA's), (120, 15841), (163, 15928), (Start: 207 @15997 has 1 MA's), (260, 16075), (277, 16102), (350, 16213), (434, 16309), (548, 16438), (559, 16456), (607, 16525), (668, 16663),

Gene: Pharaoh_27 Start: 20243, Stop: 21259, Start Num: 90
Candidate Starts for Pharaoh_27:
(32, 20123), (Start: 90 @20243 has 231 MA's), (149, 20336), (164, 20372), (188, 20411), (197, 20423), (256, 20507), (318, 20612), (327, 20618), (349, 20657), (350, 20660), (412, 20768), (422, 20786), (529, 21002), (607, 21116),

Gene: Pharb_21 Start: 16291, Stop: 17427, Start Num: 24
Candidate Starts for Pharb_21:
(Start: 24 @16291 has 231 MA's), (59, 16414), (Start: 70 @16432 has 13 MA's), (107, 16477), (Start: 109 @16483 has 8 MA's), (Start: 124 @16513 has 2 MA's), (138, 16546), (202, 16651), (213, 16672), (216, 16678), (251, 16735), (268, 16774), (289, 16804), (343, 16891), (368, 16927), (477, 17074), (495, 17104), (499, 17113), (516, 17146), (517, 17149), (518, 17152), (547, 17212), (565, 17239), (623, 17326), (653, 17383), (656, 17389), (658, 17395),

Gene: Phauci_25 Start: 24740, Stop: 25726, Start Num: 84
Candidate Starts for Phauci_25:
(Start: 84 @24740 has 25 MA's), (158, 24863), (177, 24899), (215, 24959), (260, 25055), (329, 25166), (340, 25187), (401, 25289), (419, 25325), (529, 25541), (532, 25547), (541, 25562), (550, 25577), (573, 25613), (593, 25646), (594, 25649), (640, 25715),

Gene: PhelpsODU_21 Start: 15233, Stop: 16372, Start Num: 24
Candidate Starts for PhelpsODU_21:
(Start: 24 @15233 has 231 MA's), (59, 15353), (120, 15443), (157, 15512), (268, 15713), (300, 15767), (324, 15797), (413, 15938), (454, 15998), (477, 16019), (495, 16049), (516, 16091), (517, 16094), (518, 16097), (565, 16184), (581, 16208), (634, 16286), (642, 16301), (658, 16340), (663, 16358),

Gene: Phendrix_86 Start: 51239, Stop: 52195, Start Num: 77
Candidate Starts for Phendrix_86:
(Start: 77 @51239 has 34 MA's), (114, 51278), (161, 51383), (172, 51404), (Start: 207 @51455 has 1 MA's), (211, 51461), (228, 51494), (318, 51662), (340, 51692), (436, 51872), (469, 51926), (488, 51947), (504, 51986), (506, 51989), (516, 52016), (517, 52019), (519, 52025), (532, 52052), (544, 52070), (570, 52109), (596, 52154), (599, 52160), (602, 52163),

Gene: Phillis_23 Start: 17609, Stop: 18631, Start Num: 97
Candidate Starts for Phillis_23:
(Start: 97 @17609 has 85 MA's), (161, 17732), (163, 17738), (208, 17810), (281, 17915), (294, 17942), (350, 18032), (422, 18152), (465, 18233), (479, 18263), (480, 18266), (596, 18476), (623, 18515), (652, 18563), (659, 18578),

Gene: Phinally_32 Start: 28148, Stop: 29134, Start Num: 84
Candidate Starts for Phinally_32:
(Start: 84 @28148 has 25 MA's), (158, 28271), (177, 28307), (215, 28367), (260, 28463), (329, 28574), (340, 28595), (401, 28697), (411, 28718), (419, 28733), (450, 28790), (483, 28841), (529, 28949), (532, 28955), (541, 28970), (551, 28988), (573, 29021), (593, 29054), (594, 29057), (640, 29123),

Gene: PhinkBoden_47 Start: 29095, Stop: 29976, Start Num: 69
Candidate Starts for PhinkBoden_47:
(Start: 69 @29095 has 12 MA's), (108, 29143), (120, 29170), (158, 29242), (196, 29308), (213, 29338), (288, 29446), (350, 29539), (369, 29563), (376, 29578), (455, 29674), (495, 29722), (604, 29902), (628, 29938),

Gene: Phish_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Phish_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Phishy_21 Start: 17919, Stop: 18779, Start Num: 66
Candidate Starts for Phishy_21:
(Start: 66 @17919 has 10 MA's), (Start: 73 @17925 has 24 MA's), (Start: 103 @17961 has 5 MA's), (Start: 105 @17964 has 26 MA's), (156, 18063), (193, 18132), (203, 18147), (209, 18159), (278, 18255), (280, 18258), (285, 18267), (293, 18279), (300, 18294), (386, 18423), (493, 18543), (510, 18564), (596, 18705),

Gene: Phlei_22 Start: 20737, Stop: 21756, Start Num: 90

Candidate Starts for Phlei_22:
(Start: 90 @20737 has 231 MA's), (149, 20833), (213, 20947), (299, 21085), (318, 21109), (327, 21115), (350, 21157), (377, 21199), (383, 21211), (403, 21247), (428, 21298), (450, 21331), (472, 21370), (614, 21622), (621, 21637), (659, 21703),

Gene: Phloodle_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Phloodle_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Phlop_30 Start: 25004, Stop: 25948, Start Num: 77
Candidate Starts for Phlop_30:
(Start: 77 @25004 has 34 MA's), (137, 25109), (170, 25178), (175, 25184), (194, 25208), (204, 25223), (443, 25583), (454, 25598), (471, 25616), (520, 25718), (539, 25760), (563, 25796), (624, 25892), (650, 25943),

Gene: Phlorence_23 Start: 18754, Stop: 19767, Start Num: 97
Candidate Starts for Phlorence_23:
(Start: 97 @18754 has 85 MA's), (149, 18850), (163, 18883), (164, 18886), (188, 18925), (217, 18973), (327, 19126), (336, 19144), (350, 19168), (377, 19210), (536, 19522), (607, 19624), (623, 19651), (659, 19714),

Gene: Phomeo_39 Start: 29529, Stop: 30470, Start Num: 105
Candidate Starts for Phomeo_39:
(Start: 105 @29529 has 26 MA's), (Start: 143 @29616 has 1 MA's), (186, 29691), (227, 29757), (248, 29799), (277, 29856), (411, 30069), (425, 30096), (488, 30207), (549, 30339), (613, 30435),

Gene: Phonnegut_28 Start: 20560, Stop: 21573, Start Num: 90
Candidate Starts for Phonnegut_28:
(Start: 90 @20560 has 231 MA's), (Start: 106 @20578 has 6 MA's), (137, 20635), (149, 20653), (164, 20689), (281, 20869), (299, 20905), (327, 20935), (350, 20977), (440, 21136), (516, 21280), (548, 21343), (596, 21418), (607, 21430), (621, 21454),

Gene: PhorbesPhlower_17 Start: 14248, Stop: 15156, Start Num: 147
Candidate Starts for PhorbesPhlower_17:
(Start: 147 @14248 has 26 MA's), (170, 14299), (254, 14419), (265, 14443), (275, 14455), (277, 14458), (313, 14521), (409, 14650), (423, 14677), (437, 14704), (441, 14710), (444, 14713), (492, 14800), (533, 14905), (560, 14932), (567, 14941), (569, 14944), (578, 14959), (607, 15004), (614, 15013),

Gene: Phrank_21 Start: 15187, Stop: 16326, Start Num: 24
Candidate Starts for Phrank_21:
(Start: 24 @15187 has 231 MA's), (59, 15307), (120, 15397), (157, 15466), (268, 15667), (413, 15892), (454, 15952), (477, 15973), (516, 16045), (517, 16048), (518, 16051), (565, 16138), (581, 16162), (634, 16240), (642, 16255), (658, 16294), (663, 16312),

Gene: Phrankenstein_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Phrankenstein_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (281, 15786), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559,

16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: Phreak_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Phreak_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: PhriskyACE_18 Start: 15989, Stop: 16825, Start Num: 166
Candidate Starts for PhriskyACE_18:
(Start: 166 @15989 has 45 MA's), (Start: 174 @15998 has 36 MA's), (204, 16040), (221, 16073), (228, 16088), (290, 16199), (292, 16205), (295, 16214), (320, 16244), (353, 16298), (379, 16337), (394, 16367), (402, 16379), (426, 16409), (430, 16418), (511, 16568), (555, 16658), (629, 16745),

Gene: PhrostedPhlake_19 Start: 16169, Stop: 17029, Start Num: 73
Candidate Starts for PhrostedPhlake_19:
(Start: 66 @16163 has 10 MA's), (Start: 73 @16169 has 24 MA's), (161, 16325), (209, 16406), (280, 16505), (352, 16613), (425, 16697), (477, 16763), (480, 16769), (562, 16898), (581, 16925), (594, 16940),

Gene: Piatt_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Piatt_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Pickett_16 Start: 13834, Stop: 14682, Start Num: 166
Candidate Starts for Pickett_16:
(128, 13747), (Start: 166 @13834 has 45 MA's), (171, 13840), (Start: 176 @13846 has 1 MA's), (255, 13975), (281, 14029), (297, 14062), (324, 14095), (377, 14182), (379, 14185), (390, 14206), (426, 14263), (537, 14485), (540, 14491), (654, 14653),

Gene: PickleBack_23 Start: 18468, Stop: 19481, Start Num: 97
Candidate Starts for PickleBack_23:
(Start: 97 @18468 has 85 MA's), (149, 18564), (163, 18597), (164, 18600), (188, 18639), (217, 18687), (327, 18840), (336, 18858), (350, 18882), (377, 18924), (536, 19236), (607, 19338), (623, 19365), (659, 19428),

Gene: Pimento_22 Start: 15990, Stop: 17051, Start Num: 53
Candidate Starts for Pimento_22:
(Start: 53 @15990 has 18 MA's), (Start: 84 @16035 has 25 MA's), (Start: 109 @16065 has 8 MA's), (164, 16173), (252, 16323), (272, 16371), (323, 16455), (328, 16464), (354, 16506), (468, 16683), (508, 16752), (619, 16947), (657, 17019), (658, 17022),

Gene: PinkCoffee_32 Start: 25643, Stop: 26587, Start Num: 77
Candidate Starts for PinkCoffee_32:
(Start: 77 @25643 has 34 MA's), (137, 25748), (170, 25817), (175, 25823), (194, 25847), (204, 25862), (443, 26222), (454, 26237), (471, 26255), (520, 26357), (539, 26399), (563, 26435), (624, 26531), (650, 26582),

Gene: PinkYoshi_17 Start: 15468, Stop: 16640, Start Num: 24

Candidate Starts for PinkYoshi_17:
(5, 15135), (Start: 24 @15468 has 231 MA's), (59, 15588), (Start: 70 @15606 has 13 MA's), (107, 15651), (Start: 109 @15657 has 8 MA's), (137, 15720), (159, 15756), (201, 15825), (202, 15828), (213, 15849), (248, 15903), (268, 15948), (289, 15978), (350, 16080), (358, 16092), (368, 16104), (377, 16122), (477, 16287), (495, 16317), (508, 16335), (516, 16359), (583, 16479), (642, 16569), (656, 16602),

Gene: Pinnie_18 Start: 16180, Stop: 17358, Start Num: 24
Candidate Starts for Pinnie_18:
(Start: 24 @16180 has 231 MA's), (Start: 70 @16324 has 13 MA's), (Start: 109 @16375 has 8 MA's), (138, 16441), (140, 16444), (159, 16474), (202, 16546), (243, 16615), (248, 16621), (326, 16756), (358, 16810), (393, 16870), (464, 16978), (495, 17035), (516, 17077), (619, 17251), (621, 17254), (656, 17320),

Gene: Pioneer_28 Start: 20560, Stop: 21573, Start Num: 90
Candidate Starts for Pioneer_28:
(Start: 90 @20560 has 231 MA's), (Start: 106 @20578 has 6 MA's), (137, 20635), (149, 20653), (164, 20689), (281, 20869), (299, 20905), (327, 20935), (350, 20977), (440, 21136), (516, 21280), (548, 21343), (596, 21418), (607, 21430), (621, 21454),

Gene: Pipp_18 Start: 15781, Stop: 16647, Start Num: 66
Candidate Starts for Pipp_18:
(Start: 66 @15781 has 10 MA's), (Start: 73 @15787 has 24 MA's), (Start: 88 @15802 has 1 MA's), (161, 15943), (209, 16024), (352, 16231), (425, 16315), (477, 16381), (510, 16426), (562, 16516), (581, 16543), (594, 16558),

Gene: Piro94_28 Start: 19659, Stop: 20675, Start Num: 90
Candidate Starts for Piro94_28:
(Start: 90 @19659 has 231 MA's), (137, 19734), (149, 19752), (164, 19788), (188, 19827), (299, 20004), (327, 20034), (349, 20073), (350, 20076), (607, 20532), (621, 20556),

Gene: Pisa1_21 Start: 16089, Stop: 17225, Start Num: 24
Candidate Starts for Pisa1_21:
(Start: 24 @16089 has 231 MA's), (59, 16206), (129, 16317), (138, 16338), (157, 16365), (268, 16566), (300, 16620), (352, 16701), (395, 16776), (413, 16791), (495, 16902), (516, 16944), (565, 17037), (581, 17061), (642, 17154), (658, 17193), (663, 17211),

Gene: Pisa4_21 Start: 16089, Stop: 17225, Start Num: 24
Candidate Starts for Pisa4_21:
(Start: 24 @16089 has 231 MA's), (59, 16206), (129, 16317), (138, 16338), (157, 16365), (268, 16566), (300, 16620), (352, 16701), (395, 16776), (413, 16791), (495, 16902), (516, 16944), (565, 17037), (581, 17061), (642, 17154), (658, 17193), (663, 17211),

Gene: Pixie_21 Start: 16222, Stop: 17358, Start Num: 24
Candidate Starts for Pixie_21:
(Start: 24 @16222 has 231 MA's), (59, 16345), (107, 16408), (Start: 109 @16414 has 8 MA's), (Start: 124 @16444 has 2 MA's), (138, 16477), (202, 16582), (213, 16603), (216, 16609), (251, 16666), (268, 16705), (289, 16735), (343, 16822), (368, 16858), (382, 16885), (477, 17005), (495, 17035), (499, 17044), (516, 17077), (517, 17080), (518, 17083), (565, 17170), (623, 17257), (656, 17320), (658, 17326),

Gene: Plagueis_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Plagueis_17:

(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Pleakley_49 Start: 29758, Stop: 30678, Start Num: 105
Candidate Starts for Pleakley_49:
(Start: 105 @29758 has 26 MA's), (Start: 143 @29839 has 1 MA's), (186, 29914), (217, 29965), (277, 30079), (410, 30286), (549, 30547), (590, 30610), (613, 30643),

Gene: Pmask_30 Start: 18960, Stop: 19973, Start Num: 90
Candidate Starts for Pmask_30:
(Start: 90 @18960 has 231 MA's), (Start: 124 @19014 has 2 MA's), (149, 19053), (208, 19158), (299, 19305), (327, 19335), (349, 19374), (350, 19377), (379, 19422), (412, 19482), (516, 19680), (607, 19830), (614, 19839),

Gene: Poise_49 Start: 25756, Stop: 26718, Start Num: 89
Candidate Starts for Poise_49:
(Start: 89 @25756 has 84 MA's), (161, 25888), (175, 25912), (182, 25921), (185, 25927), (192, 25936), (208, 25960), (213, 25969), (219, 25981), (227, 25993), (294, 26107), (341, 26188), (350, 26203), (354, 26209), (417, 26317), (493, 26443), (497, 26449), (582, 26599), (586, 26605), (593, 26617), (594, 26620), (651, 26707), (653, 26710), (655, 26713),

Gene: Pokerus_21 Start: 15968, Stop: 17104, Start Num: 24
Candidate Starts for Pokerus_21:
(Start: 24 @15968 has 231 MA's), (59, 16085), (120, 16175), (129, 16196), (138, 16217), (157, 16244), (300, 16499), (352, 16580), (395, 16655), (413, 16670), (495, 16781), (516, 16823), (565, 16916), (581, 16940), (642, 17033), (658, 17072), (663, 17090),

Gene: Pollux_19 Start: 16661, Stop: 17569, Start Num: 147
Candidate Starts for Pollux_19:
(Start: 147 @16661 has 26 MA's), (175, 16718), (261, 16853), (273, 16868), (275, 16871), (303, 16922), (387, 17030), (414, 17078), (426, 17102), (437, 17120), (441, 17126), (465, 17162), (533, 17318), (560, 17345), (569, 17357), (578, 17372), (607, 17417), (618, 17435), (623, 17444), (645, 17480), (646, 17483), (660, 17519), (661, 17525), (663, 17531),

Gene: Polly_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Polly_18:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: Polyphemus_30 Start: 18958, Stop: 19971, Start Num: 90
Candidate Starts for Polyphemus_30:
(Start: 90 @18958 has 231 MA's), (Start: 124 @19012 has 2 MA's), (149, 19051), (208, 19156), (299, 19303), (327, 19333), (349, 19372), (350, 19375), (379, 19420), (412, 19480), (516, 19678), (607, 19828), (614, 19837),

Gene: Polyyuki_44 Start: 30428, Stop: 31354, Start Num: 103
Candidate Starts for Polyyuki_44:
(Start: 103 @30428 has 5 MA's), (Start: 124 @30464 has 2 MA's), (186, 30581), (212, 30620), (221, 30638), (248, 30689), (299, 30788), (350, 30863), (356, 30872), (401, 30947), (411, 30968), (488, 31106), (502, 31142), (518, 31181), (549, 31223), (590, 31286), (613, 31319),

Gene: Pomar16_30 Start: 19083, Stop: 20093, Start Num: 90
Candidate Starts for Pomar16_30:
(Start: 90 @19083 has 231 MA's), (Start: 124 @19137 has 2 MA's), (137, 19158), (149, 19176), (256, 19347), (327, 19458), (349, 19497), (350, 19500), (379, 19545), (548, 19863), (596, 19938), (607, 19950), (621, 19974), (659, 20040),

Gene: Poochiewood_17 Start: 15865, Stop: 16746, Start Num: 89
Candidate Starts for Poochiewood_17:
(55, 15811), (Start: 74 @15847 has 10 MA's), (Start: 89 @15865 has 84 MA's), (111, 15889), (Start: 124 @15919 has 2 MA's), (130, 15934), (150, 15967), (251, 16111), (349, 16267), (350, 16270), (354, 16276), (382, 16321), (401, 16348), (421, 16387), (445, 16420), (451, 16429), (467, 16456), (523, 16576), (549, 16624), (613, 16690), (617, 16696), (641, 16735),

Gene: Portcullis_30 Start: 24953, Stop: 25897, Start Num: 77
Candidate Starts for Portcullis_30:
(Start: 77 @24953 has 34 MA's), (137, 25058), (170, 25127), (175, 25133), (194, 25157), (204, 25172), (443, 25532), (454, 25547), (471, 25565), (520, 25667), (539, 25709), (563, 25745), (624, 25841), (650, 25892),

Gene: Posh_19 Start: 16625, Stop: 17533, Start Num: 147
Candidate Starts for Posh_19:
(Start: 147 @16625 has 26 MA's), (175, 16682), (261, 16817), (273, 16832), (275, 16835), (303, 16886), (366, 16955), (387, 16994), (414, 17042), (426, 17066), (437, 17084), (441, 17090), (465, 17126), (533, 17282), (560, 17309), (569, 17321), (578, 17336), (607, 17381), (618, 17399), (623, 17408), (645, 17444), (646, 17447), (660, 17483), (661, 17489), (663, 17495),

Gene: PotatoChip_33 Start: 28463, Stop: 29329, Start Num: 90
Candidate Starts for PotatoChip_33:
(Start: 90 @28463 has 231 MA's), (110, 28487), (127, 28532), (158, 28592), (180, 28631), (235, 28727), (327, 28889), (345, 28922), (410, 28997), (421, 29021), (522, 29162), (549, 29198), (568, 29225), (603, 29282),

Gene: Poushou_18 Start: 16550, Stop: 17428, Start Num: 76
Candidate Starts for Poushou_18:
(Start: 76 @16550 has 5 MA's), (Start: 78 @16553 has 8 MA's), (130, 16637), (208, 16775), (430, 17063),

Gene: Power_27 Start: 19105, Stop: 20121, Start Num: 90
Candidate Starts for Power_27:
(Start: 90 @19105 has 231 MA's), (137, 19180), (149, 19198), (164, 19234), (188, 19273), (327, 19480), (349, 19519), (350, 19522), (499, 19789), (548, 19891), (596, 19966), (607, 19978), (659, 20068),

Gene: Powerball_18 Start: 15995, Stop: 16822, Start Num: 174
Candidate Starts for Powerball_18:
(Start: 174 @15995 has 36 MA's), (221, 16070), (256, 16133), (267, 16157), (290, 16196), (292, 16202), (320, 16241), (353, 16295), (375, 16328), (377, 16331), (379, 16334), (402, 16376), (430, 16415), (477, 16490), (511, 16565), (555, 16655),

Gene: Priamo_30 Start: 19009, Stop: 20022, Start Num: 90
Candidate Starts for Priamo_30:

(Start: 90 @19009 has 231 MA's), (Start: 124 @19063 has 2 MA's), (149, 19102), (164, 19138), (208, 19207), (299, 19354), (327, 19384), (349, 19423), (350, 19426), (379, 19471), (412, 19531), (480, 19657), (516, 19729), (607, 19879), (614, 19888),

Gene: Prinashe11_24 Start: 18616, Stop: 19629, Start Num: 97
Candidate Starts for Prinashe11_24:
(Start: 97 @18616 has 85 MA's), (149, 18712), (163, 18745), (164, 18748), (188, 18787), (281, 18922), (318, 18982), (327, 18988), (336, 19006), (350, 19030), (377, 19072), (536, 19384), (607, 19486), (659, 19576),

Gene: PrincePatrick_18 Start: 15957, Stop: 16817, Start Num: 70
Candidate Starts for PrincePatrick_18:
(Start: 70 @15957 has 13 MA's), (Start: 88 @15972 has 1 MA's), (Start: 109 @16002 has 8 MA's), (119, 16023), (161, 16113), (209, 16194), (350, 16398), (352, 16401), (510, 16596), (562, 16686), (594, 16728), (626, 16776), (630, 16782),

Gene: Pringar_49 Start: 26044, Stop: 27006, Start Num: 89
Candidate Starts for Pringar_49:
(Start: 89 @26044 has 84 MA's), (161, 26176), (175, 26200), (182, 26209), (185, 26215), (192, 26224), (208, 26248), (213, 26257), (219, 26269), (294, 26395), (341, 26476), (350, 26491), (354, 26497), (417, 26605), (493, 26731), (497, 26737), (582, 26887), (586, 26893), (593, 26905), (594, 26908), (651, 26995), (653, 26998), (655, 27001),

Gene: Prithvi_22 Start: 15985, Stop: 17121, Start Num: 24
Candidate Starts for Prithvi_22:
(Start: 24 @15985 has 231 MA's), (59, 16102), (120, 16192), (129, 16213), (138, 16234), (157, 16261), (300, 16516), (352, 16597), (395, 16672), (413, 16687), (495, 16798), (516, 16840), (565, 16933), (581, 16957), (642, 17050), (658, 17089), (663, 17107),

Gene: Priya_28 Start: 20558, Stop: 21571, Start Num: 90
Candidate Starts for Priya_28:
(Start: 90 @20558 has 231 MA's), (Start: 106 @20576 has 6 MA's), (137, 20633), (149, 20651), (164, 20687), (281, 20867), (299, 20903), (327, 20933), (350, 20975), (440, 21134), (516, 21278), (548, 21341), (596, 21416), (607, 21428), (621, 21452),

Gene: Prudy_29 Start: 20964, Stop: 21977, Start Num: 90
Candidate Starts for Prudy_29:
(Start: 90 @20964 has 231 MA's), (149, 21057), (164, 21093), (188, 21132), (327, 21339), (349, 21378), (350, 21381), (379, 21426), (412, 21486), (480, 21612), (499, 21645), (607, 21834),

Gene: Psycho_20 Start: 16299, Stop: 17429, Start Num: 28
Candidate Starts for Psycho_20:
(Start: 28 @16299 has 23 MA's), (107, 16473), (137, 16539), (157, 16569), (213, 16668), (268, 16770), (300, 16824), (324, 16854), (343, 16890), (345, 16893), (350, 16902), (394, 16977), (395, 16980), (430, 17016), (455, 17058), (477, 17076), (480, 17082), (495, 17106), (496, 17109), (516, 17148), (571, 17250), (642, 17358), (658, 17397), (663, 17415),

Gene: Pukovnik_29 Start: 20677, Stop: 21693, Start Num: 90
Candidate Starts for Pukovnik_29:
(Start: 90 @20677 has 231 MA's), (137, 20752), (149, 20770), (188, 20845), (200, 20860), (281, 20986), (327, 21052), (349, 21091), (350, 21094), (356, 21103), (403, 21184), (428, 21235), (607, 21550), (621, 21574),

Gene: PullumCavea_30 Start: 25004, Stop: 25948, Start Num: 77
Candidate Starts for PullumCavea_30:
(Start: 77 @25004 has 34 MA's), (137, 25109), (170, 25178), (175, 25184), (194, 25208), (204, 25223), (443, 25583), (454, 25598), (471, 25616), (520, 25718), (539, 25760), (563, 25796), (624, 25892), (650, 25943),

Gene: Pumpkiney_35 Start: 27100, Stop: 28077, Start Num: 84
Candidate Starts for Pumpkiney_35:
(Start: 84 @27100 has 25 MA's), (135, 27175), (140, 27187), (158, 27223), (177, 27259), (235, 27361), (260, 27415), (299, 27487), (341, 27550), (348, 27559), (385, 27616), (401, 27649), (417, 27682), (419, 27685), (450, 27742), (506, 27838), (518, 27871), (522, 27880), (532, 27901), (550, 27928), (564, 27949), (570, 27958), (573, 27964), (593, 27997), (594, 28000), (630, 28054), (640, 28066),

Gene: Puppers_17 Start: 14309, Stop: 15142, Start Num: 151
Candidate Starts for Puppers_17:
(Start: 151 @14309 has 14 MA's), (188, 14378), (248, 14462), (273, 14513), (339, 14621), (399, 14714), (403, 14726), (408, 14732), (453, 14798), (527, 14924), (564, 14951), (566, 14954), (579, 14972), (589, 14987), (615, 15026),

Gene: Pytheas_19 Start: 16771, Stop: 17679, Start Num: 147
Candidate Starts for Pytheas_19:
(Start: 147 @16771 has 26 MA's), (175, 16828), (261, 16963), (273, 16978), (275, 16981), (303, 17032), (387, 17140), (414, 17188), (426, 17212), (437, 17230), (441, 17236), (465, 17272), (533, 17428), (560, 17455), (569, 17467), (578, 17482), (607, 17527), (618, 17545), (623, 17554), (645, 17590), (646, 17593), (660, 17629), (661, 17635), (663, 17641),

Gene: Qhanda_24 Start: 17527, Stop: 18642, Start Num: 29
Candidate Starts for Qhanda_24:
(Start: 24 @17509 has 231 MA's), (29, 17527), (46, 17599), (59, 17629), (120, 17719), (138, 17761), (156, 17785), (214, 17890), (300, 18043), (348, 18112), (350, 18118), (455, 18271), (477, 18289), (495, 18319), (516, 18361), (517, 18364), (642, 18571), (658, 18610), (663, 18628),

Gene: Qobbit_28 Start: 20557, Stop: 21570, Start Num: 90
Candidate Starts for Qobbit_28:
(Start: 90 @20557 has 231 MA's), (Start: 106 @20575 has 6 MA's), (137, 20632), (149, 20650), (164, 20686), (281, 20866), (299, 20902), (327, 20932), (350, 20974), (440, 21133), (516, 21277), (548, 21340), (596, 21415), (607, 21427), (621, 21451),

Gene: Quby_17 Start: 15700, Stop: 16587, Start Num: 89
Candidate Starts for Quby_17:
(Start: 89 @15700 has 84 MA's), (111, 15724), (123, 15751), (Start: 124 @15754 has 2 MA's), (130, 15769), (150, 15802), (208, 15898), (299, 16033), (304, 16042), (349, 16102), (350, 16105), (401, 16183), (410, 16198), (421, 16222), (467, 16291), (479, 16315), (489, 16333), (513, 16384), (523, 16411), (549, 16459), (573, 16486), (641, 16570),

Gene: QueenB2_27 Start: 19223, Stop: 20239, Start Num: 90
Candidate Starts for QueenB2_27:
(Start: 90 @19223 has 231 MA's), (137, 19298), (149, 19316), (164, 19352), (188, 19391), (327, 19598), (349, 19637), (350, 19640), (499, 19907), (548, 20009), (596, 20084), (607, 20096), (659, 20186),

Gene: QueenBeesly_27 Start: 19105, Stop: 20121, Start Num: 90
Candidate Starts for QueenBeesly_27:

(Start: 90 @19105 has 231 MA's), (137, 19180), (149, 19198), (164, 19234), (188, 19273), (327, 19480), (349, 19519), (350, 19522), (499, 19789), (548, 19891), (596, 19966), (607, 19978), (659, 20068),

Gene: QuincyRose_21 Start: 16031, Stop: 17167, Start Num: 24
Candidate Starts for QuincyRose_21:
(Start: 24 @16031 has 231 MA's), (59, 16148), (120, 16238), (129, 16259), (138, 16280), (157, 16307), (300, 16562), (352, 16643), (395, 16718), (413, 16733), (495, 16844), (516, 16886), (565, 16979), (581, 17003), (642, 17096), (658, 17135), (663, 17153),

Gene: Quokka_25 Start: 18067, Stop: 19077, Start Num: 90
Candidate Starts for Quokka_25:
(Start: 90 @18067 has 231 MA's), (Start: 124 @18121 has 2 MA's), (137, 18142), (149, 18160), (188, 18235), (327, 18442), (349, 18481), (350, 18484), (379, 18529), (480, 18712), (499, 18745), (548, 18847), (607, 18934), (659, 19024),

Gene: REQ2_19 Start: 18255, Stop: 19085, Start Num: 96
Candidate Starts for REQ2_19:
(96, 18255), (113, 18288), (120, 18300), (190, 18435), (213, 18471), (313, 18618), (331, 18642), (350, 18669), (428, 18762), (449, 18792), (496, 18852), (546, 18936), (553, 18948), (596, 19008), (618, 19041), (626, 19053), (636, 19071),

Gene: REQ3_49 Start: 31366, Stop: 32277, Start Num: 92
Candidate Starts for REQ3_49:
(Start: 92 @31366 has 1 MA's), (113, 31399), (120, 31411), (161, 31492), (251, 31615), (259, 31633), (281, 31669), (350, 31774), (375, 31813), (470, 31927), (472, 31930), (542, 32029), (607, 32131), (645, 32191), (668, 32266),

Gene: RER2_15 Start: 12352, Stop: 13224, Start Num: 97
Candidate Starts for RER2_15:
(Start: 97 @12352 has 85 MA's), (120, 12391), (161, 12472), (163, 12478), (Start: 207 @12547 has 1 MA's), (260, 12625), (296, 12685), (350, 12763), (434, 12859), (548, 12988), (559, 13006), (596, 13063), (607, 13075), (634, 13117), (668, 13213),

Gene: RGL3_15 Start: 12514, Stop: 13386, Start Num: 97
Candidate Starts for RGL3_15:
(Start: 97 @12514 has 85 MA's), (129, 12574), (163, 12640), (200, 12697), (Start: 207 @12709 has 1 MA's), (281, 12820), (318, 12877), (350, 12925), (392, 12976), (548, 13150), (564, 13174), (583, 13201), (596, 13225), (607, 13237),

Gene: Rabbitrun_29 Start: 22682, Stop: 23611, Start Num: 74
Candidate Starts for Rabbitrun_29:
(Start: 74 @22682 has 10 MA's), (Start: 86 @22697 has 6 MA's), (Start: 124 @22754 has 2 MA's), (137, 22784), (162, 22829), (183, 22862), (208, 22898), (259, 22973), (277, 23003), (279, 23006), (299, 23042), (336, 23105), (338, 23108), (348, 23123), (368, 23153), (375, 23168), (389, 23189), (421, 23249), (423, 23255), (505, 23402), (515, 23426), (541, 23483), (591, 23540), (613, 23564), (620, 23579),

Gene: Rabbs_17 Start: 15479, Stop: 16657, Start Num: 24
Candidate Starts for Rabbs_17:
(4, 15083), (5, 15143), (Start: 24 @15479 has 231 MA's), (59, 15605), (Start: 70 @15623 has 13 MA's), (107, 15668), (Start: 109 @15674 has 8 MA's), (137, 15737), (159, 15773), (201, 15842), (202, 15845), (213, 15866), (248, 15920), (289, 15995), (350, 16097), (358, 16109), (477, 16304), (495, 16334),

(508, 16352), (516, 16376), (571, 16478), (583, 16496), (642, 16586), (656, 16619),

Gene: Rachaly_30 Start: 20827, Stop: 21837, Start Num: 90
Candidate Starts for Rachaly_30:
(Start: 90 @20827 has 231 MA's), (149, 20920), (164, 20956), (188, 20995), (327, 21202), (349, 21241), (350, 21244), (379, 21289), (428, 21379), (480, 21472), (499, 21505), (548, 21607), (596, 21682), (607, 21694), (659, 21784),

Gene: Raela_49 Start: 26311, Stop: 27273, Start Num: 89
Candidate Starts for Raela_49:
(Start: 89 @26311 has 84 MA's), (161, 26443), (175, 26467), (182, 26476), (185, 26482), (192, 26491), (208, 26515), (213, 26524), (219, 26536), (294, 26662), (341, 26743), (350, 26758), (354, 26764), (417, 26872), (493, 26998), (497, 27004), (527, 27079), (582, 27154), (586, 27160), (593, 27172), (594, 27175), (651, 27262), (653, 27265), (655, 27268),

Gene: Rahalelujah_26 Start: 18587, Stop: 19609, Start Num: 90
Candidate Starts for Rahalelujah_26:
(Start: 90 @18587 has 231 MA's), (Start: 106 @18605 has 6 MA's), (Start: 124 @18641 has 2 MA's), (137, 18662), (149, 18680), (208, 18785), (299, 18932), (327, 18962), (350, 19004), (412, 19109), (432, 19154), (463, 19199), (489, 19250), (492, 19256), (495, 19265), (548, 19379), (583, 19430), (596, 19454), (607, 19466), (659, 19556),

Gene: Ramen_22 Start: 16017, Stop: 17153, Start Num: 24
Candidate Starts for Ramen_22:
(Start: 24 @16017 has 231 MA's), (59, 16134), (120, 16224), (129, 16245), (138, 16266), (157, 16293), (300, 16548), (352, 16629), (395, 16704), (413, 16719), (495, 16830), (516, 16872), (565, 16965), (581, 16989), (642, 17082), (658, 17121), (663, 17139),

Gene: Rando14_20 Start: 14989, Stop: 16119, Start Num: 28
Candidate Starts for Rando14_20:
(Start: 28 @14989 has 23 MA's), (Start: 70 @15118 has 13 MA's), (107, 15163), (137, 15229), (138, 15232), (157, 15259), (213, 15358), (268, 15460), (300, 15514), (324, 15544), (343, 15580), (350, 15592), (382, 15643), (394, 15667), (428, 15700), (455, 15748), (480, 15772), (495, 15796), (496, 15799), (516, 15838), (642, 16048), (658, 16087), (663, 16105),

Gene: Rapunzel97_22 Start: 16018, Stop: 17154, Start Num: 24
Candidate Starts for Rapunzel97_22:
(Start: 24 @16018 has 231 MA's), (59, 16135), (120, 16225), (129, 16246), (138, 16267), (157, 16294), (300, 16549), (352, 16630), (395, 16705), (413, 16720), (495, 16831), (516, 16873), (565, 16966), (581, 16990), (642, 17083), (658, 17122), (663, 17140),

Gene: Rasputin_22 Start: 15448, Stop: 16320, Start Num: 97
Candidate Starts for Rasputin_22:
(Start: 97 @15448 has 85 MA's), (120, 15487), (161, 15568), (163, 15574), (Start: 207 @15643 has 1 MA's), (260, 15721), (277, 15748), (350, 15859), (434, 15955), (548, 16084), (559, 16102), (607, 16171), (668, 16309),

Gene: Rattrick_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Rattrick_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656,

16611),

Gene: Ravana_30 Start: 18083, Stop: 19060, Start Num: 93
Candidate Starts for Ravana_30:
(Start: 93 @18083 has 22 MA's), (161, 18197), (163, 18203), (164, 18206), (308, 18440), (477, 18707), (514, 18761), (607, 18917),

Gene: RavenCo17_16 Start: 14717, Stop: 15550, Start Num: 167
Candidate Starts for RavenCo17_16:
(Start: 167 @14717 has 2 MA's), (206, 14759), (262, 14867), (297, 14933), (377, 15053), (426, 15131), (525, 15326), (540, 15359), (629, 15470),

Gene: ReMo_29 Start: 18119, Stop: 19096, Start Num: 93
Candidate Starts for ReMo_29:
(Start: 93 @18119 has 22 MA's), (161, 18233), (163, 18239), (164, 18242), (308, 18476), (477, 18743), (514, 18797), (607, 18953),

Gene: Red305_18 Start: 16490, Stop: 17380, Start Num: 89
Candidate Starts for Red305_18:
(Start: 89 @16490 has 84 MA's), (111, 16514), (130, 16559), (137, 16574), (150, 16595), (208, 16691), (299, 16826), (304, 16835), (349, 16895), (350, 16898), (354, 16904), (401, 16976), (417, 17009), (423, 17021), (467, 17084), (494, 17138), (505, 17159), (525, 17210), (549, 17252), (641, 17363), (643, 17366),

Gene: RedRaider_47 Start: 31794, Stop: 32711, Start Num: 105
Candidate Starts for RedRaider_47:
(Start: 105 @31794 has 26 MA's), (Start: 143 @31872 has 1 MA's), (186, 31947), (248, 32055), (293, 32139), (410, 32319), (411, 32325), (519, 32541), (549, 32580), (590, 32643), (595, 32655), (613, 32676), (625, 32697),

Gene: RedRaider77_49 Start: 26212, Stop: 27174, Start Num: 89
Candidate Starts for RedRaider77_49:
(Start: 89 @26212 has 84 MA's), (161, 26344), (175, 26368), (182, 26377), (185, 26383), (192, 26392), (208, 26416), (213, 26425), (219, 26437), (294, 26563), (341, 26644), (350, 26659), (354, 26665), (417, 26773), (493, 26899), (497, 26905), (527, 26980), (582, 27055), (586, 27061), (593, 27073), (594, 27076), (651, 27163), (653, 27166), (655, 27169),

Gene: RedRock_30 Start: 21090, Stop: 22103, Start Num: 90
Candidate Starts for RedRock_30:
(Start: 90 @21090 has 231 MA's), (Start: 106 @21108 has 6 MA's), (137, 21165), (149, 21183), (164, 21219), (188, 21258), (327, 21465), (349, 21504), (350, 21507), (379, 21552), (480, 21738), (499, 21771), (536, 21858), (607, 21960),

Gene: Refuge_30 Start: 22099, Stop: 23115, Start Num: 90
Candidate Starts for Refuge_30:
(Start: 90 @22099 has 231 MA's), (137, 22174), (149, 22192), (164, 22228), (188, 22267), (327, 22474), (349, 22513), (350, 22516), (443, 22681), (472, 22729), (607, 22972),

Gene: Reindeer_25 Start: 21276, Stop: 22190, Start Num: 79
Candidate Starts for Reindeer_25:
(Start: 79 @21276 has 1 MA's), (Start: 82 @21279 has 21 MA's), (140, 21378), (Start: 143 @21381 has 1 MA's), (156, 21399), (161, 21414), (208, 21486), (213, 21495), (267, 21573), (296, 21621), (349, 21711), (350, 21714), (363, 21732), (395, 21783), (410, 21807), (417, 21825), (421, 21831), (486,

21936), (503, 21972), (513, 21993), (577, 22101), (608, 22128), (617, 22140),

Gene: Rem711_24 Start: 17926, Stop: 19032, Start Num: 45
Candidate Starts for Rem711_24:
(3, 17356), (10, 17629), (41, 17917), (Start: 45 @17926 has 1 MA's), (Start: 61 @17965 has 2 MA's), (217, 18217), (276, 18337), (347, 18451), (357, 18469), (378, 18499), (384, 18511), (488, 18691), (498, 18718), (662, 19018),

Gene: Remus_29 Start: 18083, Stop: 19060, Start Num: 93
Candidate Starts for Remus_29:
(Start: 93 @18083 has 22 MA's), (161, 18197), (163, 18203), (164, 18206), (308, 18440), (477, 18707), (514, 18761), (607, 18917),

Gene: Remy19_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Remy19_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Renaissance_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Renaissance_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Reptar3000_23 Start: 17233, Stop: 18366, Start Num: 24
Candidate Starts for Reptar3000_23:
(Start: 24 @17233 has 231 MA's), (29, 17251), (46, 17323), (59, 17353), (120, 17443), (Start: 124 @17452 has 2 MA's), (138, 17485), (156, 17509), (214, 17614), (300, 17767), (348, 17836), (350, 17842), (455, 17995), (477, 18013), (495, 18043), (516, 18085), (517, 18088), (642, 18295), (658, 18334), (663, 18352),

Gene: Retro23_27 Start: 19253, Stop: 20269, Start Num: 90
Candidate Starts for Retro23_27:
(Start: 90 @19253 has 231 MA's), (137, 19328), (149, 19346), (164, 19382), (188, 19421), (327, 19628), (349, 19667), (350, 19670), (499, 19937), (548, 20039), (596, 20114), (607, 20126), (659, 20216), (660, 20219),

Gene: RexFury_22 Start: 15511, Stop: 16383, Start Num: 97
Candidate Starts for RexFury_22:
(Start: 97 @15511 has 85 MA's), (120, 15550), (161, 15631), (163, 15637), (Start: 207 @15706 has 1 MA's), (260, 15784), (296, 15844), (350, 15922), (434, 16018), (548, 16147), (559, 16165), (596, 16222), (607, 16234), (634, 16276), (668, 16372),

Gene: Rey_31 Start: 22233, Stop: 23144, Start Num: 82
Candidate Starts for Rey_31:
(Start: 82 @22233 has 21 MA's), (91, 22242), (Start: 124 @22296 has 2 MA's), (Start: 143 @22335 has 1 MA's), (156, 22353), (161, 22368), (Start: 207 @22437 has 1 MA's), (349, 22665), (350, 22668), (417, 22779), (421, 22785), (503, 22926), (516, 22956), (537, 23007), (639, 23130),

Gene: Reyja_18 Start: 14313, Stop: 15155, Start Num: 151
Candidate Starts for Reyja_18:
(11, 13857), (15, 13935), (51, 14133), (134, 14274), (Start: 151 @14313 has 14 MA's), (188, 14382), (208, 14412), (219, 14433), (248, 14466), (267, 14508), (268, 14511), (368, 14652), (403, 14718), (488, 14850), (526, 14925), (579, 14979), (607, 15021), (649, 15087), (663, 15126),

Gene: Rhodalysa_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Rhodalysa_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (281, 15786), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: Ribeye_34 Start: 29836, Stop: 30792, Start Num: 71
Candidate Starts for Ribeye_34:
(Start: 71 @29836 has 52 MA's), (156, 29977), (161, 29992), (175, 30022), (183, 30034), (194, 30046), (204, 30061), (210, 30073), (223, 30100), (251, 30115), (262, 30142), (322, 30232), (343, 30268), (381, 30328), (400, 30364), (443, 30424), (498, 30514), (539, 30604), (554, 30628), (563, 30640), (605, 30706), (616, 30721), (631, 30745),

Gene: Richarlison_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Richarlison_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Richo_22 Start: 15375, Stop: 16514, Start Num: 24
Candidate Starts for Richo_22:
(Start: 24 @15375 has 231 MA's), (59, 15495), (120, 15585), (157, 15654), (213, 15753), (214, 15756), (268, 15855), (300, 15909), (352, 15990), (395, 16065), (413, 16080), (480, 16167), (495, 16191), (516, 16233), (517, 16236), (539, 16287), (565, 16326), (621, 16410), (634, 16428), (642, 16443), (658, 16482), (663, 16500),

Gene: Rifter_30 Start: 18949, Stop: 19965, Start Num: 90
Candidate Starts for Rifter_30:
(Start: 90 @18949 has 231 MA's), (Start: 106 @18967 has 6 MA's), (Start: 124 @19003 has 2 MA's), (149, 19042), (208, 19147), (327, 19324), (349, 19363), (350, 19366), (402, 19453), (412, 19474), (516, 19672), (607, 19822), (614, 19831), (659, 19912),

Gene: RiverRaider_34 Start: 28121, Stop: 29080, Start Num: 71
Candidate Starts for RiverRaider_34:
(Start: 71 @28121 has 52 MA's), (156, 28265), (161, 28280), (175, 28310), (183, 28322), (204, 28349), (210, 28361), (214, 28370), (262, 28430), (322, 28520), (343, 28556), (373, 28604), (381, 28616), (394, 28640), (398, 28646), (443, 28712), (498, 28802), (539, 28892), (554, 28916), (563, 28928), (568, 28934), (584, 28958), (637, 29045),

Gene: RoadKill_29 Start: 26072, Stop: 27049, Start Num: 84
Candidate Starts for RoadKill_29:
(Start: 84 @26072 has 25 MA's), (Start: 102 @26084 has 1 MA's), (118, 26111), (140, 26159), (164, 26213), (215, 26291), (260, 26387), (281, 26420), (299, 26459), (385, 26588), (401, 26621), (419, 26657), (518, 26843), (532, 26873), (550, 26900), (573, 26936), (593, 26969), (623, 27017), (640,

27038),

Gene: Roary_23 Start: 17600, Stop: 18622, Start Num: 97
Candidate Starts for Roary_23:
(Start: 97 @17600 has 85 MA's), (161, 17723), (163, 17729), (208, 17801), (281, 17906), (294, 17933), (350, 18023), (465, 18224), (479, 18254), (480, 18257), (596, 18467), (623, 18506), (652, 18554), (659, 18569),

Gene: Rofo_34 Start: 29848, Stop: 30804, Start Num: 71
Candidate Starts for Rofo_34:
(Start: 71 @29848 has 52 MA's), (175, 30034), (183, 30046), (204, 30073), (214, 30094), (262, 30154), (319, 30241), (322, 30244), (343, 30280), (366, 30313), (373, 30328), (381, 30340), (398, 30370), (400, 30376), (443, 30436), (498, 30526), (539, 30616), (554, 30640), (563, 30652), (605, 30718), (631, 30757), (637, 30769),

Gene: RogerDodger_33 Start: 25794, Stop: 26726, Start Num: 77
Candidate Starts for RogerDodger_33:
(Start: 77 @25794 has 34 MA's), (137, 25890), (170, 25959), (175, 25965), (194, 25989), (204, 26004), (343, 26214), (395, 26292), (430, 26337), (443, 26361), (474, 26400), (520, 26496), (539, 26538), (563, 26574), (612, 26649), (624, 26670), (650, 26721),

Gene: Roksolana_30 Start: 18977, Stop: 19993, Start Num: 90
Candidate Starts for Roksolana_30:
(Start: 90 @18977 has 231 MA's), (Start: 106 @18995 has 6 MA's), (Start: 124 @19031 has 2 MA's), (149, 19070), (208, 19175), (327, 19352), (349, 19391), (350, 19394), (402, 19481), (412, 19502), (480, 19628), (516, 19700), (607, 19850), (614, 19859), (659, 19940),

Gene: RonRayGun_18 Start: 16018, Stop: 16983, Start Num: 78
Candidate Starts for RonRayGun_18:
(Start: 78 @16018 has 8 MA's), (104, 16045), (113, 16063), (216, 16240), (217, 16243), (260, 16318), (299, 16384), (315, 16411), (349, 16468), (354, 16477), (494, 16714), (507, 16738), (555, 16837), (570, 16858), (583, 16879), (610, 16918), (617, 16927),

Gene: Rosalind_29 Start: 18241, Stop: 19218, Start Num: 93
Candidate Starts for Rosalind_29:
(Start: 93 @18241 has 22 MA's), (161, 18355), (163, 18361), (164, 18364), (308, 18598), (477, 18865), (514, 18919), (607, 19075),

Gene: Rose5_17 Start: 15865, Stop: 16746, Start Num: 89
Candidate Starts for Rose5_17:
(55, 15811), (Start: 74 @15847 has 10 MA's), (Start: 89 @15865 has 84 MA's), (111, 15889), (Start: 124 @15919 has 2 MA's), (130, 15934), (150, 15967), (251, 16111), (349, 16267), (350, 16270), (354, 16276), (382, 16321), (401, 16348), (421, 16387), (445, 16420), (451, 16429), (467, 16456), (523, 16576), (549, 16624), (613, 16690), (617, 16696), (641, 16735),

Gene: RoseMarie_27 Start: 21674, Stop: 22585, Start Num: 82
Candidate Starts for RoseMarie_27:
(Start: 82 @21674 has 21 MA's), (Start: 143 @21776 has 1 MA's), (156, 21794), (161, 21809), (213, 21890), (267, 21968), (296, 22016), (349, 22106), (350, 22109), (363, 22127), (395, 22178), (421, 22226), (476, 22313), (493, 22346), (517, 22400), (577, 22496), (608, 22523), (617, 22535),

Gene: Rosmarinus_22 Start: 16039, Stop: 17175, Start Num: 24
Candidate Starts for Rosmarinus_22:

(Start: 24 @16039 has 231 MA's), (59, 16156), (120, 16246), (129, 16267), (138, 16288), (157, 16315), (300, 16570), (352, 16651), (395, 16726), (413, 16741), (495, 16852), (516, 16894), (565, 16987), (581, 17011), (642, 17104), (658, 17143), (663, 17161),

Gene: Rossetti_17 Start: 16094, Stop: 17008, Start Num: 89
Candidate Starts for Rossetti_17:
(Start: 89 @16094 has 84 MA's), (111, 16118), (Start: 124 @16148 has 2 MA's), (164, 16229), (197, 16274), (348, 16499), (349, 16502), (350, 16505), (405, 16592), (417, 16616), (421, 16622), (423, 16628), (467, 16691), (476, 16709), (486, 16727), (488, 16730), (513, 16784), (517, 16796), (549, 16859), (573, 16886), (617, 16949), (641, 16988), (649, 17000),

Gene: Rumpelstiltskin_17 Start: 16080, Stop: 16994, Start Num: 89
Candidate Starts for Rumpelstiltskin_17:
(Start: 89 @16080 has 84 MA's), (111, 16104), (Start: 124 @16134 has 2 MA's), (197, 16260), (251, 16332), (348, 16485), (349, 16488), (350, 16491), (370, 16521), (405, 16578), (417, 16602), (421, 16608), (467, 16677), (476, 16695), (488, 16716), (517, 16782), (549, 16845), (641, 16974), (649, 16986),

Gene: Ruriko_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Ruriko_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Ruthiejr_22 Start: 17121, Stop: 18254, Start Num: 24
Candidate Starts for Ruthiejr_22:
(Start: 24 @17121 has 231 MA's), (46, 17211), (59, 17241), (120, 17331), (138, 17373), (140, 17376), (148, 17388), (348, 17724), (350, 17730), (394, 17805), (455, 17883), (476, 17898), (495, 17931), (516, 17973), (517, 17976), (567, 18069), (642, 18183), (658, 18222), (663, 18240),

Gene: Ruthy_18 Start: 15266, Stop: 16327, Start Num: 53
Candidate Starts for Ruthy_18:
(Start: 53 @15266 has 18 MA's), (117, 15359), (138, 15401), (164, 15449), (214, 15527), (258, 15617), (269, 15641), (272, 15647), (313, 15719), (321, 15728), (323, 15731), (328, 15740), (354, 15782), (428, 15881), (463, 15950), (565, 16145), (619, 16223), (642, 16259), (657, 16295), (658, 16298),

Gene: RyeScarlet_29 Start: 20531, Stop: 21544, Start Num: 90
Candidate Starts for RyeScarlet_29:
(Start: 90 @20531 has 231 MA's), (Start: 106 @20549 has 6 MA's), (137, 20606), (149, 20624), (164, 20660), (281, 20840), (299, 20876), (327, 20906), (350, 20948), (440, 21107), (516, 21251), (548, 21314), (596, 21389), (607, 21401), (621, 21425),

Gene: Sachima_26 Start: 20527, Stop: 21540, Start Num: 90
Candidate Starts for Sachima_26:
(Start: 90 @20527 has 231 MA's), (Start: 106 @20545 has 6 MA's), (137, 20602), (149, 20620), (164, 20656), (281, 20836), (299, 20872), (327, 20902), (350, 20944), (440, 21103), (516, 21247), (548, 21310), (596, 21385), (607, 21397), (621, 21421),

Gene: Sahara_16 Start: 13936, Stop: 14784, Start Num: 166
Candidate Starts for Sahara_16:

(Start: 166 @13936 has 45 MA's), (Start: 174 @13945 has 36 MA's), (221, 14020), (223, 14026), (262, 14098), (270, 14113), (281, 14131), (297, 14164), (324, 14197), (377, 14284), (379, 14287), (383, 14296), (390, 14308), (398, 14323), (540, 14593), (650, 14749), (654, 14755),

Gene: Saintus_23 Start: 17615, Stop: 18637, Start Num: 97
Candidate Starts for Saintus_23:
(Start: 97 @17615 has 85 MA's), (161, 17738), (163, 17744), (208, 17816), (281, 17921), (294, 17948), (350, 18038), (465, 18239), (479, 18269), (480, 18272), (596, 18482), (623, 18521), (652, 18569), (659, 18584),

Gene: Salvador_30 Start: 24918, Stop: 25862, Start Num: 77
Candidate Starts for Salvador_30:
(Start: 77 @24918 has 34 MA's), (137, 25023), (170, 25092), (175, 25098), (194, 25122), (204, 25137), (443, 25497), (454, 25512), (471, 25530), (520, 25632), (539, 25674), (563, 25710), (612, 25785), (624, 25806), (650, 25857),

Gene: Salvus_21 Start: 15192, Stop: 16304, Start Num: 27
Candidate Starts for Salvus_21:
(Start: 27 @15192 has 4 MA's), (33, 15240), (Start: 101 @15348 has 5 MA's), (107, 15357), (140, 15426), (158, 15453), (243, 15600), (301, 15708), (350, 15783), (356, 15792), (379, 15828), (430, 15897), (455, 15939), (495, 15984), (499, 15993), (526, 16050), (554, 16101), (596, 16161), (656, 16266),

Gene: Salz_27 Start: 19727, Stop: 20749, Start Num: 90
Candidate Starts for Salz_27:
(Start: 90 @19727 has 231 MA's), (Start: 124 @19784 has 2 MA's), (161, 19859), (248, 19988), (281, 20048), (318, 20108), (327, 20114), (350, 20156), (379, 20201), (382, 20207), (428, 20291), (450, 20324), (607, 20606), (614, 20615), (621, 20630), (659, 20696),

Gene: SamScheppers_21 Start: 17028, Stop: 18161, Start Num: 24
Candidate Starts for SamScheppers_21:
(Start: 24 @17028 has 231 MA's), (29, 17046), (46, 17118), (59, 17148), (120, 17238), (138, 17280), (156, 17304), (214, 17409), (300, 17562), (348, 17631), (350, 17637), (455, 17790), (477, 17808), (495, 17838), (516, 17880), (517, 17883), (634, 18075), (642, 18090), (658, 18129), (663, 18147),

Gene: Samba_18 Start: 15871, Stop: 16731, Start Num: 70
Candidate Starts for Samba_18:
(Start: 70 @15871 has 13 MA's), (161, 16027), (209, 16108), (256, 16165), (259, 16174), (280, 16207), (352, 16315), (425, 16399), (477, 16465), (480, 16471), (562, 16600), (594, 16642),

Gene: Samman98_19 Start: 16504, Stop: 17340, Start Num: 166
Candidate Starts for Samman98_19:
(Start: 166 @16504 has 45 MA's), (Start: 174 @16513 has 36 MA's), (204, 16555), (221, 16588), (228, 16603), (256, 16651), (290, 16714), (292, 16720), (320, 16759), (353, 16813), (379, 16852), (382, 16858), (402, 16894), (426, 16924), (430, 16933), (511, 17083), (629, 17260),

Gene: Sampson_34 Start: 29722, Stop: 30699, Start Num: 84
Candidate Starts for Sampson_34:
(Start: 84 @29722 has 25 MA's), (135, 29797), (140, 29809), (158, 29845), (177, 29881), (235, 29983), (260, 30037), (299, 30109), (341, 30172), (348, 30181), (385, 30238), (401, 30271), (417, 30304), (419, 30307), (450, 30364), (506, 30460), (518, 30493), (522, 30502), (532, 30523), (550, 30550), (564, 30571), (570, 30580), (573, 30586), (593, 30619), (594, 30622), (630, 30676), (640, 30688),

Gene: Samty_18 Start: 16493, Stop: 17383, Start Num: 89
Candidate Starts for Samty_18:
(Start: 89 @16493 has 84 MA's), (111, 16517), (130, 16562), (137, 16577), (150, 16598), (208, 16694), (299, 16829), (304, 16838), (349, 16898), (350, 16901), (354, 16907), (401, 16979), (417, 17012), (467, 17087), (494, 17141), (505, 17162), (525, 17213), (549, 17255), (641, 17366), (643, 17369),

Gene: SamuelLPlaqson_22 Start: 15965, Stop: 17101, Start Num: 24
Candidate Starts for SamuelLPlaqson_22:
(Start: 24 @15965 has 231 MA's), (59, 16082), (120, 16172), (129, 16193), (138, 16214), (157, 16241), (268, 16442), (300, 16496), (305, 16502), (352, 16577), (395, 16652), (413, 16667), (516, 16820), (565, 16913), (581, 16937), (642, 17030), (658, 17069), (663, 17087),

Gene: Sanjuju_32 Start: 30017, Stop: 30973, Start Num: 71
Candidate Starts for Sanjuju_32:
(Start: 71 @30017 has 52 MA's), (175, 30203), (183, 30215), (204, 30242), (214, 30263), (262, 30323), (319, 30410), (322, 30413), (343, 30449), (366, 30482), (373, 30497), (381, 30509), (398, 30539), (400, 30545), (443, 30605), (498, 30695), (539, 30785), (554, 30809), (563, 30821), (605, 30887), (637, 30938),

Gene: Santhid_17 Start: 14146, Stop: 14988, Start Num: 151
Candidate Starts for Santhid_17:
(134, 14107), (Start: 151 @14146 has 14 MA's), (188, 14215), (208, 14245), (219, 14266), (248, 14299), (268, 14344), (403, 14551), (488, 14683), (579, 14812), (607, 14854), (645, 14914), (649, 14920), (663, 14959),

Gene: Sapo_15 Start: 13755, Stop: 14621, Start Num: 72
Candidate Starts for Sapo_15:
(Start: 72 @13755 has 1 MA's), (Start: 105 @13791 has 26 MA's), (121, 13827), (216, 13995), (217, 13998), (296, 14118), (322, 14148), (352, 14196), (354, 14199), (356, 14202), (372, 14226), (428, 14286), (495, 14373), (609, 14553),

Gene: Saronaya_33 Start: 28679, Stop: 29635, Start Num: 71
Candidate Starts for Saronaya_33:
(Start: 71 @28679 has 52 MA's), (156, 28820), (175, 28865), (183, 28877), (194, 28889), (204, 28904), (210, 28916), (223, 28943), (251, 28958), (262, 28985), (322, 29075), (343, 29111), (381, 29171), (400, 29207), (443, 29267), (498, 29357), (539, 29447), (554, 29471), (563, 29483), (605, 29549), (616, 29564), (631, 29588), (637, 29600),

Gene: Sarshaun_17 Start: 16107, Stop: 17021, Start Num: 89
Candidate Starts for Sarshaun_17:
(Start: 89 @16107 has 84 MA's), (Start: 124 @16161 has 2 MA's), (197, 16287), (251, 16359), (348, 16512), (349, 16515), (350, 16518), (370, 16548), (405, 16605), (417, 16629), (421, 16635), (467, 16704), (476, 16722), (488, 16743), (513, 16797), (517, 16809), (549, 16872), (641, 17001), (649, 17013),

Gene: Saskia_26 Start: 19730, Stop: 20752, Start Num: 90
Candidate Starts for Saskia_26:
(Start: 90 @19730 has 231 MA's), (Start: 124 @19787 has 2 MA's), (161, 19862), (248, 19991), (281, 20051), (318, 20111), (327, 20117), (350, 20159), (379, 20204), (382, 20210), (428, 20294), (450, 20327), (607, 20609), (614, 20618), (621, 20633), (659, 20699),

Gene: Savage_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for Savage_16:

(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: Savbucketdawg_30 Start: 24699, Stop: 25643, Start Num: 77
Candidate Starts for Savbucketdawg_30:
(Start: 77 @24699 has 34 MA's), (137, 24804), (170, 24873), (175, 24879), (194, 24903), (204, 24918), (443, 25278), (454, 25293), (471, 25311), (520, 25413), (539, 25455), (563, 25491), (624, 25587), (650, 25638),

Gene: Scarlett_21 Start: 15263, Stop: 16399, Start Num: 24
Candidate Starts for Scarlett_21:
(Start: 24 @15263 has 231 MA's), (59, 15380), (Start: 70 @15398 has 13 MA's), (129, 15491), (157, 15539), (268, 15740), (300, 15794), (332, 15839), (343, 15860), (377, 15914), (394, 15947), (413, 15965), (516, 16118), (517, 16121), (539, 16172), (565, 16211), (642, 16328), (658, 16367), (663, 16385),

Gene: Scherzo_28 Start: 20560, Stop: 21573, Start Num: 90
Candidate Starts for Scherzo_28:
(Start: 90 @20560 has 231 MA's), (Start: 106 @20578 has 6 MA's), (137, 20635), (149, 20653), (164, 20689), (281, 20869), (299, 20905), (327, 20935), (350, 20977), (440, 21136), (516, 21280), (548, 21343), (596, 21418), (607, 21430), (621, 21454),

Gene: Schiebel_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Schiebel_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: SchottB_32 Start: 29694, Stop: 30650, Start Num: 71
Candidate Starts for SchottB_32:
(Start: 71 @29694 has 52 MA's), (175, 29880), (183, 29892), (194, 29904), (204, 29919), (210, 29931), (223, 29958), (251, 29973), (262, 30000), (322, 30090), (343, 30126), (381, 30186), (394, 30210), (400, 30222), (443, 30282), (498, 30372), (554, 30486), (563, 30498), (605, 30564), (616, 30579), (631, 30603), (637, 30615),

Gene: Scioto_34 Start: 29777, Stop: 30754, Start Num: 84
Candidate Starts for Scioto_34:
(Start: 84 @29777 has 25 MA's), (135, 29852), (140, 29864), (158, 29900), (177, 29936), (235, 30038), (260, 30092), (299, 30164), (341, 30227), (348, 30236), (385, 30293), (401, 30326), (417, 30359), (419, 30362), (450, 30419), (506, 30515), (518, 30548), (522, 30557), (532, 30578), (550, 30605), (564, 30626), (570, 30635), (573, 30641), (593, 30674), (594, 30677), (630, 30731), (640, 30743),

Gene: Scorpia_24 Start: 17939, Stop: 18952, Start Num: 97
Candidate Starts for Scorpia_24:
(Start: 97 @17939 has 85 MA's), (163, 18068), (164, 18071), (188, 18110), (281, 18245), (296, 18275), (318, 18305), (327, 18311), (336, 18329), (350, 18353), (377, 18395), (607, 18809), (659, 18899),

Gene: Scuba_49 Start: 29835, Stop: 30755, Start Num: 105
Candidate Starts for Scuba_49:

(Start: 105 @29835 has 26 MA's), (Start: 143 @29916 has 1 MA's), (186, 29991), (217, 30042), (277, 30156), (410, 30363), (549, 30624), (590, 30687), (613, 30720),

Gene: Sedona_34 Start: 30954, Stop: 31910, Start Num: 71
Candidate Starts for Sedona_34:
(Start: 71 @30954 has 52 MA's), (175, 31140), (183, 31152), (204, 31179), (322, 31350), (343, 31386), (366, 31419), (373, 31434), (381, 31446), (398, 31476), (400, 31482), (443, 31542), (498, 31632), (539, 31722), (554, 31746), (563, 31758), (605, 31824), (616, 31839), (631, 31863), (637, 31875),

Gene: Sekhmet_19 Start: 16864, Stop: 17700, Start Num: 166
Candidate Starts for Sekhmet_19:
(Start: 166 @16864 has 45 MA's), (Start: 174 @16873 has 36 MA's), (204, 16915), (221, 16948), (228, 16963), (256, 17011), (281, 17059), (290, 17074), (292, 17080), (320, 17119), (353, 17173), (379, 17212), (382, 17218), (402, 17254), (426, 17284), (430, 17293), (511, 17443), (555, 17533), (629, 17620),

Gene: SemperFi_29 Start: 19522, Stop: 20538, Start Num: 90
Candidate Starts for SemperFi_29:
(Start: 90 @19522 has 231 MA's), (137, 19597), (149, 19615), (164, 19651), (188, 19690), (327, 19897), (349, 19936), (350, 19939), (499, 20206), (548, 20308), (596, 20383), (607, 20395), (659, 20485),

Gene: Sephiroth_27 Start: 21043, Stop: 21954, Start Num: 86
Candidate Starts for Sephiroth_27:
(Start: 86 @21043 has 6 MA's), (99, 21058), (277, 21349), (336, 21451), (348, 21469), (350, 21475), (417, 21586), (421, 21592), (449, 21640), (492, 21718), (493, 21721), (494, 21724), (516, 21772), (541, 21826), (573, 21868), (610, 21904), (613, 21907), (620, 21922),

Gene: Serenity_26 Start: 18134, Stop: 19144, Start Num: 90
Candidate Starts for Serenity_26:
(Start: 90 @18134 has 231 MA's), (Start: 124 @18188 has 2 MA's), (137, 18209), (149, 18227), (188, 18302), (299, 18479), (327, 18509), (349, 18548), (350, 18551), (379, 18596), (480, 18779), (548, 18914), (596, 18989), (607, 19001),

Gene: SgtBeansprout_18 Start: 15554, Stop: 16696, Start Num: 24
Candidate Starts for SgtBeansprout_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: ShaboiShabazz_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for ShaboiShabazz_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Shadow1_20 Start: 15075, Stop: 16214, Start Num: 24
Candidate Starts for Shadow1_20:
(Start: 24 @15075 has 231 MA's), (59, 15195), (120, 15285), (157, 15354), (268, 15555), (352, 15690), (354, 15693), (394, 15762), (413, 15780), (454, 15840), (477, 15861), (495, 15891), (516, 15933), (517, 15936), (518, 15939), (565, 16026), (581, 16050), (634, 16128), (642, 16143), (658, 16182),

(663, 16200),

Gene: Sham4_27 Start: 19733, Stop: 20755, Start Num: 90
Candidate Starts for Sham4_27:
(Start: 90 @19733 has 231 MA's), (Start: 124 @19790 has 2 MA's), (161, 19865), (248, 19994), (281, 20054), (318, 20114), (327, 20120), (350, 20162), (379, 20207), (382, 20213), (428, 20297), (450, 20330), (607, 20612), (614, 20621), (621, 20636), (659, 20702),

Gene: Shaobing_22 Start: 15375, Stop: 16514, Start Num: 24
Candidate Starts for Shaobing_22:
(Start: 24 @15375 has 231 MA's), (59, 15495), (120, 15585), (157, 15654), (213, 15753), (214, 15756), (268, 15855), (300, 15909), (352, 15990), (395, 16065), (413, 16080), (480, 16167), (495, 16191), (516, 16233), (517, 16236), (539, 16287), (565, 16326), (621, 16410), (634, 16428), (642, 16443), (658, 16482), (663, 16500),

Gene: ShayRa_30 Start: 18241, Stop: 19218, Start Num: 93
Candidate Starts for ShayRa_30:
(Start: 93 @18241 has 22 MA's), (161, 18355), (163, 18361), (164, 18364), (308, 18598), (477, 18865), (514, 18919), (607, 19075),

Gene: SheaKeira_27 Start: 18709, Stop: 19731, Start Num: 90
Candidate Starts for SheaKeira_27:
(Start: 90 @18709 has 231 MA's), (Start: 106 @18727 has 6 MA's), (Start: 124 @18763 has 2 MA's), (137, 18784), (149, 18802), (164, 18838), (248, 18958), (281, 19018), (299, 19054), (327, 19084), (350, 19126), (432, 19276), (489, 19372), (492, 19378), (596, 19576), (607, 19588), (614, 19597), (621, 19612), (659, 19678),

Gene: ShedlockHolmes_21 Start: 16440, Stop: 17576, Start Num: 24
Candidate Starts for ShedlockHolmes_21:
(Start: 24 @16440 has 231 MA's), (59, 16563), (107, 16626), (Start: 109 @16632 has 8 MA's), (Start: 124 @16662 has 2 MA's), (202, 16800), (213, 16821), (216, 16827), (251, 16884), (268, 16923), (289, 16953), (343, 17040), (368, 17076), (477, 17223), (495, 17253), (499, 17262), (516, 17295), (517, 17298), (518, 17301), (565, 17388), (623, 17475), (656, 17538), (658, 17544),

Gene: Sheng711_17 Start: 15761, Stop: 16579, Start Num: 130
Candidate Starts for Sheng711_17:
(Start: 89 @15692 has 84 MA's), (111, 15716), (123, 15743), (Start: 124 @15746 has 2 MA's), (130, 15761), (150, 15794), (208, 15890), (299, 16025), (304, 16034), (349, 16094), (350, 16097), (401, 16175), (410, 16190), (421, 16214), (445, 16247), (467, 16283), (479, 16307), (489, 16325), (493, 16334), (513, 16376), (523, 16403), (549, 16451), (573, 16478), (641, 16562),

Gene: ShiaSurprise_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for ShiaSurprise_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Shinji_30 Start: 24894, Stop: 25838, Start Num: 77
Candidate Starts for Shinji_30:
(Start: 77 @24894 has 34 MA's), (137, 24999), (170, 25068), (175, 25074), (194, 25098), (204, 25113), (443, 25473), (454, 25488), (471, 25506), (520, 25608), (539, 25650), (563, 25686), (624, 25782), (650, 25833),

Gene: Shivanishola_35 Start: 29916, Stop: 30872, Start Num: 71
Candidate Starts for Shivanishola_35:
(Start: 71 @29916 has 52 MA's), (175, 30102), (183, 30114), (204, 30141), (322, 30312), (343, 30348), (366, 30381), (373, 30396), (381, 30408), (398, 30438), (400, 30444), (443, 30504), (498, 30594), (539, 30684), (554, 30708), (563, 30720), (605, 30786), (616, 30801), (631, 30825), (637, 30837),

Gene: Shlim410_19 Start: 17069, Stop: 17905, Start Num: 166
Candidate Starts for Shlim410_19:
(Start: 166 @17069 has 45 MA's), (Start: 174 @17078 has 36 MA's), (204, 17120), (221, 17153), (228, 17168), (256, 17216), (290, 17279), (292, 17285), (320, 17324), (353, 17378), (365, 17393), (379, 17417), (382, 17423), (402, 17459), (426, 17489), (430, 17498), (511, 17648), (555, 17738), (629, 17825),

Gene: Shuman_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Shuman_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (281, 15786), (296, 15813), (350, 15891), (548, 16116), (559, 16134), (607, 16203), (668, 16341),

Gene: Sidious_18 Start: 16465, Stop: 17292, Start Num: 174
Candidate Starts for Sidious_18:
(Start: 174 @16465 has 36 MA's), (287, 16660), (290, 16666), (295, 16681), (308, 16702), (340, 16744), (351, 16762), (382, 16810), (402, 16846), (408, 16855), (477, 16960), (511, 17035), (605, 17179), (629, 17212), (648, 17251),

Gene: Silverleaf_17 Start: 15865, Stop: 16746, Start Num: 89
Candidate Starts for Silverleaf_17:
(55, 15811), (Start: 74 @15847 has 10 MA's), (Start: 89 @15865 has 84 MA's), (111, 15889), (Start: 124 @15919 has 2 MA's), (130, 15934), (150, 15967), (251, 16111), (349, 16267), (350, 16270), (354, 16276), (382, 16321), (401, 16348), (421, 16387), (445, 16420), (451, 16429), (467, 16456), (523, 16576), (549, 16624), (613, 16690), (617, 16696), (641, 16735),

Gene: SirPhilip_21 Start: 14868, Stop: 16001, Start Num: 24
Candidate Starts for SirPhilip_21:
(Start: 24 @14868 has 231 MA's), (59, 14985), (129, 15096), (157, 15144), (214, 15246), (216, 15249), (268, 15345), (300, 15399), (343, 15462), (350, 15474), (394, 15549), (413, 15567), (455, 15630), (480, 15654), (496, 15681), (516, 15720), (517, 15723), (565, 15813), (623, 15900), (642, 15930), (653, 15957), (658, 15969), (663, 15987),

Gene: Sitar_34 Start: 31006, Stop: 31962, Start Num: 71
Candidate Starts for Sitar_34:
(Start: 71 @31006 has 52 MA's), (175, 31192), (183, 31204), (204, 31231), (214, 31252), (262, 31312), (319, 31399), (322, 31402), (343, 31438), (366, 31471), (373, 31486), (381, 31498), (398, 31528), (400, 31534), (443, 31594), (498, 31684), (539, 31774), (554, 31798), (563, 31810), (605, 31876), (637, 31927), (650, 31957),

Gene: Sixama_98 Start: 58478, Stop: 59413, Start Num: 101
Candidate Starts for Sixama_98:
(Start: 101 @58478 has 5 MA's), (112, 58493), (118, 58505), (160, 58601), (161, 58604), (172, 58625), (318, 58883), (340, 58913), (354, 58931), (361, 58940), (456, 59126), (488, 59168), (517, 59240), (518, 59243), (519, 59246), (532, 59273), (544, 59291), (557, 59312), (573, 59336), (599, 59381),

Gene: Sizemore_17 Start: 15478, Stop: 16650, Start Num: 24

Candidate Starts for Sizemore_17:
(5, 15145), (Start: 24 @15478 has 231 MA's), (59, 15598), (Start: 70 @15616 has 13 MA's), (107, 15661), (Start: 109 @15667 has 8 MA's), (137, 15730), (159, 15766), (201, 15835), (202, 15838), (213, 15859), (248, 15913), (268, 15958), (289, 15988), (350, 16090), (358, 16102), (368, 16114), (377, 16132), (477, 16297), (495, 16327), (508, 16345), (516, 16369), (583, 16489), (642, 16579), (656, 16612),

Gene: Skinny_28 Start: 21457, Stop: 22368, Start Num: 82
Candidate Starts for Skinny_28:
(Start: 82 @21457 has 21 MA's), (Start: 143 @21559 has 1 MA's), (156, 21577), (161, 21592), (208, 21664), (213, 21673), (267, 21751), (348, 21886), (349, 21889), (350, 21892), (395, 21961), (417, 22003), (421, 22009), (503, 22150), (513, 22171), (517, 22183), (608, 22306), (617, 22318),

Gene: Sknot_27 Start: 19201, Stop: 20217, Start Num: 90
Candidate Starts for Sknot_27:
(Start: 90 @19201 has 231 MA's), (137, 19276), (149, 19294), (164, 19330), (188, 19369), (299, 19546), (327, 19576), (349, 19615), (350, 19618), (607, 20074), (621, 20098),

Gene: Skysand_42 Start: 29992, Stop: 30909, Start Num: 105
Candidate Starts for Skysand_42:
(Start: 105 @29992 has 26 MA's), (Start: 143 @30070 has 1 MA's), (186, 30145), (248, 30253), (293, 30337), (410, 30517), (411, 30523), (519, 30739), (549, 30778), (595, 30853), (606, 30865), (613, 30874), (625, 30895),

Gene: Slarp_23 Start: 17500, Stop: 18633, Start Num: 24
Candidate Starts for Slarp_23:
(Start: 24 @17500 has 231 MA's), (29, 17518), (46, 17590), (59, 17620), (120, 17710), (138, 17752), (156, 17776), (214, 17881), (300, 18034), (348, 18103), (350, 18109), (455, 18262), (477, 18280), (495, 18310), (516, 18352), (517, 18355), (642, 18562), (658, 18601), (663, 18619),

Gene: Sleepyhead_17 Start: 14846, Stop: 15721, Start Num: 54
Candidate Starts for Sleepyhead_17:
(19, 14705), (20, 14714), (Start: 54 @14846 has 1 MA's), (91, 14897), (95, 14903), (Start: 103 @14912 has 5 MA's), (128, 14972), (335, 15296), (342, 15308), (350, 15320), (354, 15326), (376, 15359), (388, 15380), (445, 15428), (495, 15494), (496, 15497), (499, 15503), (543, 15581), (553, 15596), (626, 15689),

Gene: SlimJimmy_26 Start: 21443, Stop: 22354, Start Num: 82
Candidate Starts for SlimJimmy_26:
(Start: 82 @21443 has 21 MA's), (Start: 143 @21545 has 1 MA's), (156, 21563), (161, 21578), (208, 21650), (213, 21659), (267, 21737), (348, 21872), (349, 21875), (350, 21878), (395, 21947), (417, 21989), (421, 21995), (503, 22136), (513, 22157), (517, 22169), (608, 22292), (617, 22304),

Gene: Slimphazie_22 Start: 16018, Stop: 17154, Start Num: 24
Candidate Starts for Slimphazie_22:
(Start: 24 @16018 has 231 MA's), (59, 16135), (120, 16225), (129, 16246), (138, 16267), (157, 16294), (300, 16549), (352, 16630), (395, 16705), (413, 16720), (495, 16831), (516, 16873), (565, 16966), (581, 16990), (642, 17083), (658, 17122), (663, 17140),

Gene: Smeadley_23 Start: 17633, Stop: 18655, Start Num: 97
Candidate Starts for Smeadley_23:
(Start: 97 @17633 has 85 MA's), (161, 17756), (163, 17762), (208, 17834), (281, 17939), (294, 17966), (350, 18056), (465, 18257), (479, 18287), (480, 18290), (596, 18500), (623, 18539), (652, 18587),

(659, 18602),

Gene: Smeagan_29 Start: 19679, Stop: 20695, Start Num: 90
Candidate Starts for Smeagan_29:
(Start: 90 @19679 has 231 MA's), (137, 19754), (149, 19772), (164, 19808), (188, 19847), (327, 20054), (349, 20093), (350, 20096), (402, 20183), (499, 20363), (548, 20465), (596, 20540), (607, 20552),

Gene: SmellyB_30 Start: 18966, Stop: 19979, Start Num: 90
Candidate Starts for SmellyB_30:
(Start: 90 @18966 has 231 MA's), (Start: 124 @19020 has 2 MA's), (149, 19059), (208, 19164), (299, 19311), (327, 19341), (349, 19380), (350, 19383), (379, 19428), (412, 19488), (516, 19686), (607, 19836), (614, 19845),

Gene: SmokingBunny_30 Start: 24909, Stop: 25853, Start Num: 77
Candidate Starts for SmokingBunny_30:
(Start: 77 @24909 has 34 MA's), (137, 25014), (170, 25083), (175, 25089), (194, 25113), (204, 25128), (443, 25488), (454, 25503), (471, 25521), (520, 25623), (539, 25665), (563, 25701), (624, 25797), (650, 25848),

Gene: Smoothie_48 Start: 28706, Stop: 29593, Start Num: 63
Candidate Starts for Smoothie_48:
(Start: 63 @28706 has 10 MA's), (Start: 69 @28712 has 12 MA's), (108, 28760), (120, 28787), (158, 28859), (196, 28925), (213, 28955), (288, 29063), (350, 29156), (369, 29180), (376, 29195), (455, 29291), (495, 29339), (604, 29519), (628, 29555),

Gene: SnapTap_27 Start: 19105, Stop: 20121, Start Num: 90
Candidate Starts for SnapTap_27:
(Start: 90 @19105 has 231 MA's), (137, 19180), (149, 19198), (164, 19234), (188, 19273), (327, 19480), (349, 19519), (350, 19522), (499, 19789), (548, 19891), (596, 19966), (607, 19978), (659, 20068),

Gene: Snape_27 Start: 19733, Stop: 20755, Start Num: 90
Candidate Starts for Snape_27:
(Start: 90 @19733 has 231 MA's), (Start: 124 @19790 has 2 MA's), (161, 19865), (248, 19994), (281, 20054), (318, 20114), (327, 20120), (350, 20162), (379, 20207), (382, 20213), (428, 20297), (450, 20330), (607, 20612), (614, 20621), (621, 20636), (659, 20702),

Gene: Sneeze_17 Start: 15478, Stop: 16656, Start Num: 24
Candidate Starts for Sneeze_17:
(4, 15082), (5, 15142), (Start: 24 @15478 has 231 MA's), (59, 15604), (Start: 70 @15622 has 13 MA's), (107, 15667), (Start: 109 @15673 has 8 MA's), (137, 15736), (159, 15772), (201, 15841), (202, 15844), (213, 15865), (248, 15919), (289, 15994), (350, 16096), (358, 16108), (477, 16303), (495, 16333), (508, 16351), (516, 16375), (571, 16477), (583, 16495), (642, 16585), (656, 16618),

Gene: Snenia_18 Start: 16491, Stop: 17381, Start Num: 89
Candidate Starts for Snenia_18:
(Start: 89 @16491 has 84 MA's), (111, 16515), (130, 16560), (137, 16575), (150, 16596), (208, 16692), (299, 16827), (304, 16836), (349, 16896), (350, 16899), (354, 16905), (401, 16977), (417, 17010), (423, 17022), (467, 17085), (494, 17139), (505, 17160), (525, 17211), (549, 17253), (641, 17364), (643, 17367),

Gene: SoJulia_17 Start: 16073, Stop: 16987, Start Num: 89

Candidate Starts for SoJulia_17:
(Start: 89 @16073 has 84 MA's), (111, 16097), (Start: 124 @16127 has 2 MA's), (197, 16253), (251, 16325), (348, 16478), (349, 16481), (350, 16484), (370, 16514), (405, 16571), (417, 16595), (421, 16601), (467, 16670), (476, 16688), (488, 16709), (517, 16775), (549, 16838), (641, 16967), (649, 16979),

Gene: SoSeph_20 Start: 16471, Stop: 17601, Start Num: 28
Candidate Starts for SoSeph_20:
(Start: 28 @16471 has 23 MA's), (107, 16645), (137, 16711), (138, 16714), (157, 16741), (213, 16840), (268, 16942), (300, 16996), (324, 17026), (343, 17062), (345, 17065), (350, 17074), (394, 17149), (395, 17152), (430, 17188), (455, 17230), (477, 17248), (480, 17254), (495, 17278), (496, 17281), (499, 17287), (516, 17320), (642, 17530), (658, 17569), (663, 17587),

Gene: Soap141_17 Start: 16107, Stop: 17021, Start Num: 89
Candidate Starts for Soap141_17:
(Start: 89 @16107 has 84 MA's), (Start: 124 @16161 has 2 MA's), (197, 16287), (251, 16359), (348, 16512), (349, 16515), (350, 16518), (370, 16548), (405, 16605), (417, 16629), (421, 16635), (467, 16704), (476, 16722), (488, 16743), (513, 16797), (517, 16809), (549, 16872), (641, 17001), (649, 17013),

Gene: SoilAssassin_16 Start: 13903, Stop: 14751, Start Num: 166
Candidate Starts for SoilAssassin_16:
(Start: 166 @13903 has 45 MA's), (171, 13909), (255, 14044), (297, 14131), (324, 14164), (377, 14251), (379, 14254), (390, 14275), (402, 14299), (426, 14332), (537, 14554), (540, 14560), (654, 14722),

Gene: SororFago_26 Start: 18177, Stop: 19199, Start Num: 90
Candidate Starts for SororFago_26:
(Start: 90 @18177 has 231 MA's), (Start: 106 @18195 has 6 MA's), (Start: 124 @18231 has 2 MA's), (137, 18252), (149, 18270), (216, 18390), (299, 18522), (327, 18552), (349, 18591), (350, 18594), (472, 18804), (489, 18840), (516, 18906), (607, 19056), (621, 19080),

Gene: Soups_29 Start: 18241, Stop: 19218, Start Num: 93
Candidate Starts for Soups_29:
(Start: 93 @18241 has 22 MA's), (161, 18355), (163, 18361), (164, 18364), (308, 18598), (477, 18865), (514, 18919), (607, 19075),

Gene: Sparky_15 Start: 15127, Stop: 16143, Start Num: 62
Candidate Starts for Sparky_15:
(Start: 62 @15127 has 2 MA's), (67, 15136), (Start: 92 @15166 has 1 MA's), (131, 15235), (141, 15256), (213, 15376), (217, 15385), (260, 15472), (299, 15538), (350, 15625), (354, 15631), (405, 15715), (417, 15739), (419, 15742), (525, 15940), (529, 15952), (555, 15991), (583, 16018), (591, 16033), (649, 16123),

Gene: SpeedDemon_310 Start: 28038, Stop: 28922, Start Num: 63
Candidate Starts for SpeedDemon_310:
(Start: 63 @28038 has 10 MA's), (Start: 88 @28059 has 1 MA's), (120, 28113), (158, 28185), (161, 28194), (248, 28314), (274, 28365), (280, 28374), (300, 28410), (350, 28482), (354, 28488), (455, 28617), (495, 28665), (530, 28740), (562, 28788),

Gene: Spock_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Spock_22:

(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Spouty_28 Start: 20557, Stop: 21570, Start Num: 90
Candidate Starts for Spouty_28:
(Start: 90 @20557 has 231 MA's), (Start: 106 @20575 has 6 MA's), (137, 20632), (149, 20650), (164, 20686), (281, 20866), (299, 20902), (327, 20932), (350, 20974), (440, 21133), (516, 21277), (548, 21340), (596, 21415), (607, 21427), (621, 21451),

Gene: Sprinklemunch_17 Start: 15003, Stop: 16091, Start Num: 43
Candidate Starts for Sprinklemunch_17:
(43, 15003), (Start: 53 @15030 has 18 MA's), (117, 15123), (138, 15165), (164, 15213), (258, 15381), (269, 15405), (272, 15411), (313, 15483), (321, 15492), (323, 15495), (428, 15645), (442, 15672), (463, 15714), (490, 15762), (567, 15912), (596, 15954), (619, 15987), (638, 16017), (642, 16023), (657, 16059), (658, 16062),

Gene: Sproutie_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for Sproutie_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: StCroix_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for StCroix_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: StarStruck_41 Start: 29510, Stop: 30433, Start Num: 105
Candidate Starts for StarStruck_41:
(Start: 105 @29510 has 26 MA's), (Start: 143 @29597 has 1 MA's), (162, 29633), (186, 29672), (410, 30041), (488, 30185), (549, 30302), (613, 30398), (617, 30404), (625, 30419),

Gene: StarStuff_30 Start: 19042, Stop: 20052, Start Num: 90
Candidate Starts for StarStuff_30:
(Start: 90 @19042 has 231 MA's), (Start: 124 @19096 has 2 MA's), (137, 19117), (149, 19135), (256, 19306), (296, 19381), (327, 19417), (349, 19456), (350, 19459), (379, 19504), (548, 19822), (596, 19897), (607, 19909), (621, 19933), (659, 19999),

Gene: Stargaze_17 Start: 15800, Stop: 16978, Start Num: 24
Candidate Starts for Stargaze_17:
(Start: 24 @15800 has 231 MA's), (Start: 70 @15944 has 13 MA's), (Start: 109 @15995 has 8 MA's), (138, 16061), (140, 16064), (201, 16163), (202, 16166), (214, 16190), (243, 16235), (248, 16241), (358, 16430), (393, 16490), (464, 16598), (471, 16610), (495, 16655), (516, 16697), (619, 16871), (621, 16874), (634, 16892), (653, 16934), (656, 16940),

Gene: Steamy_28 Start: 20226, Stop: 21242, Start Num: 90
Candidate Starts for Steamy_28:
(Start: 90 @20226 has 231 MA's), (137, 20301), (149, 20319), (164, 20355), (188, 20394), (208, 20424), (327, 20601), (350, 20643), (402, 20730), (536, 20997), (607, 21099),

Gene: Stellammi_15 Start: 12876, Stop: 13808, Start Num: 138

Candidate Starts for Stellammi_15:
(42, 12708), (47, 12723), (117, 12831), (Start: 124 @12843 has 2 MA's), (137, 12873), (138, 12876), (156, 12900), (157, 12903), (164, 12924), (165, 12927), (209, 12996), (213, 13002), (251, 13080), (253, 13083), (283, 13137), (296, 13167), (305, 13179), (343, 13239), (350, 13251), (356, 13260), (398, 13332), (408, 13353), (410, 13356), (419, 13377), (422, 13383), (443, 13428), (508, 13503), (516, 13527), (517, 13530), (518, 13533), (528, 13560), (552, 13602), (554, 13605), (565, 13620), (572, 13632), (574, 13635), (593, 13659), (596, 13665), (634, 13722), (638, 13731), (642, 13737), (657, 13773), (663, 13794),

Gene: Stephig9_23 Start: 17614, Stop: 18636, Start Num: 97
Candidate Starts for Stephig9_23:
(Start: 97 @17614 has 85 MA's), (161, 17737), (163, 17743), (208, 17815), (281, 17920), (296, 17950), (350, 18037), (422, 18157), (465, 18238), (479, 18268), (480, 18271), (536, 18391), (596, 18481), (623, 18520), (652, 18568), (659, 18583),

Gene: Stickynote_32 Start: 27883, Stop: 28749, Start Num: 90
Candidate Starts for Stickynote_32:
(Start: 90 @27883 has 231 MA's), (110, 27907), (127, 27952), (158, 28012), (180, 28051), (235, 28147), (327, 28309), (345, 28342), (410, 28417), (421, 28441), (495, 28516), (522, 28582), (549, 28618), (603, 28702),

Gene: Stinson_22 Start: 15984, Stop: 17120, Start Num: 24
Candidate Starts for Stinson_22:
(Start: 24 @15984 has 231 MA's), (59, 16101), (129, 16212), (138, 16233), (157, 16260), (214, 16362), (300, 16515), (352, 16596), (395, 16671), (413, 16686), (495, 16797), (516, 16839), (565, 16932), (581, 16956), (642, 17049), (658, 17088), (663, 17106),

Gene: StorminNorm_33 Start: 28561, Stop: 29517, Start Num: 71
Candidate Starts for StorminNorm_33:
(Start: 71 @28561 has 52 MA's), (175, 28747), (183, 28759), (194, 28771), (204, 28786), (210, 28798), (223, 28825), (251, 28840), (262, 28867), (322, 28957), (343, 28993), (381, 29053), (394, 29077), (400, 29089), (443, 29149), (498, 29239), (554, 29353), (563, 29365), (605, 29431), (616, 29446), (631, 29470), (637, 29482),

Gene: Strobilo_18 Start: 13892, Stop: 15019, Start Num: 26
Candidate Starts for Strobilo_18:
(Start: 26 @13892 has 11 MA's), (29, 13901), (59, 14003), (120, 14093), (138, 14135), (140, 14138), (157, 14162), (213, 14261), (251, 14324), (268, 14363), (300, 14417), (343, 14483), (350, 14495), (382, 14546), (394, 14570), (455, 14648), (477, 14666), (495, 14696), (499, 14705), (516, 14738), (517, 14741), (581, 14855), (634, 14933), (642, 14948), (658, 14987), (663, 15005),

Gene: Strosahl_29 Start: 18083, Stop: 19060, Start Num: 93
Candidate Starts for Strosahl_29:
(Start: 93 @18083 has 22 MA's), (161, 18197), (163, 18203), (164, 18206), (308, 18440), (477, 18707), (514, 18761), (607, 18917),

Gene: Stultus_32 Start: 28933, Stop: 29889, Start Num: 71
Candidate Starts for Stultus_32:
(Start: 71 @28933 has 52 MA's), (175, 29119), (183, 29131), (204, 29158), (214, 29179), (262, 29239), (319, 29326), (322, 29329), (343, 29365), (366, 29398), (373, 29413), (381, 29425), (398, 29455), (400, 29461), (443, 29521), (498, 29611), (539, 29701), (554, 29725), (563, 29737), (605, 29803), (631, 29842), (637, 29854), (650, 29884),

Gene: Suerte_17 Start: 15987, Stop: 16814, Start Num: 174
Candidate Starts for Suerte_17:
(Start: 174 @15987 has 36 MA's), (221, 16062), (256, 16125), (267, 16149), (290, 16188), (292, 16194), (320, 16233), (340, 16266), (353, 16287), (375, 16320), (377, 16323), (379, 16326), (402, 16368), (426, 16398), (430, 16407), (477, 16482), (511, 16557), (555, 16647),

Gene: Sukkupi_42 Start: 28532, Stop: 29452, Start Num: 109
Candidate Starts for Sukkupi_42:
(Start: 109 @28532 has 8 MA's), (Start: 143 @28613 has 1 MA's), (165, 28658), (212, 28727), (299, 28895), (356, 28979), (386, 29030), (411, 29063), (513, 29261), (519, 29279), (549, 29321), (608, 29411), (613, 29417), (625, 29438),

Gene: Sulley_22 Start: 15984, Stop: 17120, Start Num: 24
Candidate Starts for Sulley_22:
(Start: 24 @15984 has 231 MA's), (59, 16101), (120, 16191), (129, 16212), (138, 16233), (157, 16260), (300, 16515), (352, 16596), (395, 16671), (413, 16686), (495, 16797), (516, 16839), (565, 16932), (581, 16956), (642, 17049), (658, 17088), (663, 17106),

Gene: Sunflower1121_20 Start: 15087, Stop: 16226, Start Num: 24
Candidate Starts for Sunflower1121_20:
(Start: 24 @15087 has 231 MA's), (59, 15207), (120, 15297), (157, 15366), (268, 15567), (352, 15702), (354, 15705), (394, 15774), (413, 15792), (454, 15852), (477, 15873), (495, 15903), (516, 15945), (517, 15948), (518, 15951), (565, 16038), (581, 16062), (634, 16140), (642, 16155), (658, 16194), (663, 16212),

Gene: Sunhee_25 Start: 18210, Stop: 19235, Start Num: 87
Candidate Starts for Sunhee_25:
(Start: 87 @18210 has 1 MA's), (149, 18306), (164, 18342), (165, 18345), (281, 18522), (299, 18558), (327, 18588), (350, 18630), (379, 18675), (412, 18735), (489, 18876), (492, 18882), (607, 19092), (621, 19116), (659, 19182),

Gene: SuperAwesome_30 Start: 18959, Stop: 19972, Start Num: 90
Candidate Starts for SuperAwesome_30:
(Start: 90 @18959 has 231 MA's), (Start: 124 @19013 has 2 MA's), (149, 19052), (208, 19157), (299, 19304), (327, 19334), (349, 19373), (350, 19376), (379, 19421), (412, 19481), (516, 19679), (607, 19829), (614, 19838),

Gene: SuperCallie99_30 Start: 18958, Stop: 19971, Start Num: 90
Candidate Starts for SuperCallie99_30:
(Start: 90 @18958 has 231 MA's), (Start: 124 @19012 has 2 MA's), (149, 19051), (208, 19156), (299, 19303), (327, 19333), (349, 19372), (350, 19375), (379, 19420), (412, 19480), (516, 19678), (607, 19828), (614, 19837),

Gene: SuperSulley_41 Start: 29704, Stop: 30621, Start Num: 106
Candidate Starts for SuperSulley_41:
(Start: 106 @29704 has 6 MA's), (Start: 143 @29785 has 1 MA's), (162, 29821), (217, 29911), (248, 29968), (386, 30202), (410, 30229), (433, 30280), (488, 30373), (549, 30490), (613, 30586), (617, 30592), (625, 30607),

Gene: Superchunk_26 Start: 17822, Stop: 18838, Start Num: 90
Candidate Starts for Superchunk_26:
(Start: 90 @17822 has 231 MA's), (145, 17915), (155, 17930), (164, 17957), (327, 18203), (349, 18242), (350, 18245), (379, 18290), (428, 18380), (480, 18473), (499, 18506), (548, 18608), (583,

18659), (596, 18683), (607, 18695), (621, 18719), (659, 18785),

Gene: Suscepit_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Suscepit_18:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: Swann_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for Swann_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: SweetiePie_27 Start: 19105, Stop: 20121, Start Num: 90
Candidate Starts for SweetiePie_27:
(Start: 90 @19105 has 231 MA's), (137, 19180), (149, 19198), (164, 19234), (188, 19273), (327, 19480), (349, 19519), (350, 19522), (499, 19789), (548, 19891), (596, 19966), (607, 19978), (659, 20068),

Gene: Sweets_17 Start: 15472, Stop: 16644, Start Num: 24
Candidate Starts for Sweets_17:
(5, 15139), (Start: 24 @15472 has 231 MA's), (59, 15592), (Start: 70 @15610 has 13 MA's), (107, 15655), (Start: 109 @15661 has 8 MA's), (137, 15724), (159, 15760), (201, 15829), (202, 15832), (213, 15853), (248, 15907), (268, 15952), (289, 15982), (350, 16084), (358, 16096), (368, 16108), (377, 16126), (477, 16291), (495, 16321), (508, 16339), (516, 16363), (583, 16483), (642, 16573), (656, 16606),

Gene: SwirlSquare_29 Start: 17991, Stop: 19001, Start Num: 90
Candidate Starts for SwirlSquare_29:
(Start: 90 @17991 has 231 MA's), (137, 18066), (149, 18084), (327, 18366), (349, 18405), (350, 18408), (428, 18543), (480, 18636), (596, 18846), (607, 18858), (621, 18882), (659, 18948),

Gene: Swirley_23 Start: 18624, Stop: 19637, Start Num: 97
Candidate Starts for Swirley_23:
(Start: 97 @18624 has 85 MA's), (149, 18720), (163, 18753), (164, 18756), (188, 18795), (281, 18930), (318, 18990), (327, 18996), (336, 19014), (350, 19038), (377, 19080), (536, 19392), (607, 19494), (659, 19584),

Gene: Switzerland_29 Start: 18234, Stop: 19211, Start Num: 93
Candidate Starts for Switzerland_29:
(Start: 93 @18234 has 22 MA's), (161, 18348), (163, 18354), (164, 18357), (308, 18591), (477, 18858), (514, 18912), (607, 19068),

Gene: SydNat_23 Start: 18826, Stop: 19839, Start Num: 97
Candidate Starts for SydNat_23:
(Start: 97 @18826 has 85 MA's), (149, 18922), (163, 18955), (164, 18958), (188, 18997), (217, 19045), (327, 19198), (336, 19216), (350, 19240), (377, 19282), (536, 19594), (607, 19696), (623, 19723),

Gene: Syleon_27 Start: 20965, Stop: 21876, Start Num: 86
Candidate Starts for Syleon_27:
(Start: 86 @20965 has 6 MA's), (99, 20980), (277, 21271), (336, 21373), (348, 21391), (350, 21397), (417, 21508), (421, 21514), (449, 21562), (492, 21640), (493, 21643), (494, 21646), (516, 21694),

(541, 21748), (573, 21790), (610, 21826), (613, 21829), (620, 21844),

Gene: Syra333_21 Start: 15182, Stop: 16321, Start Num: 24
Candidate Starts for Syra333_21:
(Start: 24 @15182 has 231 MA's), (59, 15302), (120, 15392), (157, 15461), (268, 15662), (300, 15716), (394, 15869), (413, 15887), (477, 15968), (499, 16007), (516, 16040), (565, 16133), (581, 16157), (634, 16235), (642, 16250), (658, 16289), (663, 16307),

Gene: TBond007_21 Start: 16221, Stop: 17357, Start Num: 24
Candidate Starts for TBond007_21:
(Start: 24 @16221 has 231 MA's), (59, 16344), (107, 16407), (Start: 109 @16413 has 8 MA's), (Start: 124 @16443 has 2 MA's), (138, 16476), (202, 16581), (213, 16602), (216, 16608), (251, 16665), (289, 16734), (343, 16821), (368, 16857), (477, 17004), (495, 17034), (499, 17043), (516, 17076), (517, 17079), (518, 17082), (565, 17169), (623, 17256), (656, 17319), (658, 17325),

Gene: TClif_21 Start: 15218, Stop: 16354, Start Num: 24
Candidate Starts for TClif_21:
(Start: 24 @15218 has 231 MA's), (59, 15335), (107, 15398), (157, 15494), (213, 15593), (214, 15596), (268, 15695), (394, 15902), (395, 15905), (455, 15983), (516, 16073), (518, 16079), (565, 16166), (642, 16283), (653, 16310), (658, 16322), (663, 16340),

Gene: TM4_18 Start: 13970, Stop: 15097, Start Num: 26
Candidate Starts for TM4_18:
(Start: 26 @13970 has 11 MA's), (29, 13979), (59, 14081), (120, 14171), (138, 14213), (140, 14216), (157, 14240), (213, 14339), (251, 14402), (268, 14441), (300, 14495), (343, 14561), (350, 14573), (382, 14624), (394, 14648), (455, 14726), (477, 14744), (495, 14774), (516, 14816), (517, 14819), (581, 14933), (634, 15011), (642, 15026), (658, 15065), (663, 15083),

Gene: TPA4_18 Start: 16629, Stop: 17726, Start Num: 38
Candidate Starts for TPA4_18:
(7, 16287), (Start: 38 @16629 has 1 MA's), (Start: 70 @16710 has 13 MA's), (107, 16755), (231, 16986), (300, 17121), (348, 17193), (350, 17199), (375, 17238), (495, 17400), (514, 17433), (552, 17511), (634, 17637), (656, 17685), (658, 17691),

Gene: TWAMP_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for TWAMP_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (281, 15786), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: Tachez_22 Start: 15980, Stop: 17116, Start Num: 24
Candidate Starts for Tachez_22:
(Start: 24 @15980 has 231 MA's), (59, 16097), (120, 16187), (129, 16208), (138, 16229), (157, 16256), (300, 16511), (352, 16592), (395, 16667), (413, 16682), (495, 16793), (516, 16835), (565, 16928), (581, 16952), (642, 17045), (658, 17084), (663, 17102),

Gene: Taheera_17 Start: 15491, Stop: 16666, Start Num: 24
Candidate Starts for Taheera_17:
(4, 15095), (5, 15155), (Start: 24 @15491 has 231 MA's), (59, 15614), (Start: 70 @15632 has 13 MA's), (107, 15677), (Start: 109 @15683 has 8 MA's), (137, 15746), (159, 15782), (201, 15851), (202, 15854), (213, 15875), (248, 15929), (289, 16004), (350, 16106), (358, 16118), (477, 16313), (495, 16343), (508, 16361), (516, 16385), (571, 16487), (583, 16505), (642, 16595), (656, 16628),

Gene: Tailonex_23 Start: 19675, Stop: 20532, Start Num: 97
Candidate Starts for Tailonex_23:
(Start: 97 @19675 has 85 MA's), (104, 19684), (122, 19717), (137, 19753), (350, 20083), (380, 20125), (397, 20140), (537, 20290), (561, 20326), (564, 20329), (583, 20356), (607, 20392),

Gene: TaiwanKao_23 Start: 15991, Stop: 17127, Start Num: 24
Candidate Starts for TaiwanKao_23:
(Start: 24 @15991 has 231 MA's), (59, 16108), (120, 16198), (129, 16219), (138, 16240), (157, 16267), (300, 16522), (352, 16603), (395, 16678), (413, 16693), (495, 16804), (516, 16846), (565, 16939), (572, 16951), (581, 16963), (642, 17056), (658, 17095), (663, 17113),

Gene: Takoda_22 Start: 15440, Stop: 16312, Start Num: 97
Candidate Starts for Takoda_22:
(Start: 97 @15440 has 85 MA's), (120, 15479), (163, 15566), (Start: 207 @15635 has 1 MA's), (260, 15713), (350, 15851), (434, 15947), (548, 16076), (559, 16094), (607, 16163), (668, 16301),

Gene: Tangent_34 Start: 29370, Stop: 30326, Start Num: 71
Candidate Starts for Tangent_34:
(Start: 71 @29370 has 52 MA's), (175, 29556), (183, 29568), (204, 29595), (214, 29616), (262, 29676), (319, 29763), (322, 29766), (343, 29802), (366, 29835), (373, 29850), (381, 29862), (398, 29892), (400, 29898), (443, 29958), (498, 30048), (539, 30138), (554, 30162), (563, 30174), (605, 30240), (631, 30279), (637, 30291), (650, 30321),

Gene: Tangerine_33 Start: 28564, Stop: 29520, Start Num: 71
Candidate Starts for Tangerine_33:
(Start: 71 @28564 has 52 MA's), (156, 28705), (175, 28750), (183, 28762), (194, 28774), (204, 28789), (210, 28801), (223, 28828), (251, 28843), (262, 28870), (322, 28960), (343, 28996), (381, 29056), (400, 29092), (443, 29152), (498, 29242), (539, 29332), (554, 29356), (563, 29368), (605, 29434), (616, 29449), (631, 29473), (637, 29485),

Gene: Taquito_21 Start: 17109, Stop: 18242, Start Num: 24
Candidate Starts for Taquito_21:
(Start: 24 @17109 has 231 MA's), (29, 17127), (46, 17199), (59, 17229), (120, 17319), (138, 17361), (156, 17385), (214, 17490), (300, 17643), (348, 17712), (350, 17718), (455, 17871), (477, 17889), (495, 17919), (516, 17961), (517, 17964), (634, 18156), (642, 18171), (658, 18210), (663, 18228),

Gene: Tardus_35 Start: 29129, Stop: 30115, Start Num: 84
Candidate Starts for Tardus_35:
(Start: 84 @29129 has 25 MA's), (127, 29201), (140, 29225), (158, 29261), (177, 29297), (260, 29453), (299, 29525), (341, 29588), (348, 29597), (385, 29654), (401, 29687), (417, 29720), (419, 29723), (506, 29876), (518, 29909), (522, 29918), (532, 29939), (550, 29966), (564, 29987), (570, 29996), (573, 30002), (593, 30035), (594, 30038), (630, 30092), (640, 30104),

Gene: TarsusIV_27 Start: 19201, Stop: 20211, Start Num: 90
Candidate Starts for TarsusIV_27:
(Start: 90 @19201 has 231 MA's), (137, 19276), (149, 19294), (164, 19330), (188, 19369), (281, 19510), (327, 19576), (349, 19615), (350, 19618), (480, 19846), (548, 19981), (607, 20068), (621, 20092),

Gene: Tarynearal_22 Start: 18646, Stop: 19659, Start Num: 97
Candidate Starts for Tarynearal_22:
(Start: 97 @18646 has 85 MA's), (149, 18742), (163, 18775), (164, 18778), (188, 18817), (281, 18952), (318, 19012), (327, 19018), (336, 19036), (350, 19060), (377, 19102), (536, 19414), (607, 19516),

(659, 19606),

Gene: Tarzan_17 Start: 14116, Stop: 14958, Start Num: 151
Candidate Starts for Tarzan_17:
(11, 13660), (15, 13738), (51, 13936), (134, 14077), (Start: 151 @14116 has 14 MA's), (188, 14185), (208, 14215), (219, 14236), (248, 14269), (267, 14311), (268, 14314), (368, 14455), (403, 14521), (488, 14653), (526, 14728), (579, 14782), (607, 14824), (649, 14890), (663, 14929),

Gene: Tayonia_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Tayonia_18:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: Teejan_18 Start: 15554, Stop: 16696, Start Num: 24
Candidate Starts for Teejan_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: Temprado_30 Start: 18964, Stop: 19980, Start Num: 90
Candidate Starts for Temprado_30:
(Start: 90 @18964 has 231 MA's), (Start: 124 @19018 has 2 MA's), (149, 19057), (208, 19162), (299, 19309), (327, 19339), (349, 19378), (350, 19381), (402, 19468), (412, 19489), (480, 19615), (516, 19687), (607, 19837), (614, 19846), (659, 19927),

Gene: Terrific_31 Start: 19655, Stop: 20671, Start Num: 90
Candidate Starts for Terrific_31:
(Start: 90 @19655 has 231 MA's), (137, 19730), (149, 19748), (164, 19784), (188, 19823), (299, 20000), (327, 20030), (349, 20069), (350, 20072), (607, 20528), (621, 20552),

Gene: Terror_17 Start: 15491, Stop: 16666, Start Num: 24
Candidate Starts for Terror_17:
(4, 15095), (5, 15155), (Start: 24 @15491 has 231 MA's), (59, 15614), (Start: 70 @15632 has 13 MA's), (107, 15677), (Start: 109 @15683 has 8 MA's), (137, 15746), (159, 15782), (201, 15851), (202, 15854), (213, 15875), (248, 15929), (289, 16004), (350, 16106), (358, 16118), (477, 16313), (495, 16343), (508, 16361), (516, 16385), (571, 16487), (583, 16505), (642, 16595), (656, 16628),

Gene: Tesla_48 Start: 26061, Stop: 27023, Start Num: 89
Candidate Starts for Tesla_48:
(Start: 89 @26061 has 84 MA's), (161, 26193), (175, 26217), (182, 26226), (185, 26232), (192, 26241), (208, 26265), (213, 26274), (219, 26286), (294, 26412), (341, 26493), (350, 26508), (354, 26514), (417, 26622), (493, 26748), (497, 26754), (527, 26829), (582, 26904), (586, 26910), (593, 26922), (594, 26925), (651, 27012), (653, 27015), (655, 27018),

Gene: ThankyouJordi_17 Start: 16982, Stop: 17809, Start Num: 174
Candidate Starts for ThankyouJordi_17:
(31, 16682), (Start: 174 @16982 has 36 MA's), (287, 17177), (290, 17183), (320, 17228), (340, 17261), (351, 17279), (382, 17327), (402, 17363), (408, 17372), (426, 17393), (429, 17399), (477, 17477), (511, 17552), (629, 17729),

Gene: Theia_21 Start: 18584, Stop: 19597, Start Num: 97
Candidate Starts for Theia_21:

(Start: 97 @18584 has 85 MA's), (149, 18680), (163, 18713), (164, 18716), (281, 18890), (318, 18950), (327, 18956), (336, 18974), (350, 18998), (377, 19040), (536, 19352), (607, 19454), (623, 19481), (659, 19544),

Gene: Thimann_19 Start: 16471, Stop: 17298, Start Num: 174
Candidate Starts for Thimann_19:
(Start: 174 @16471 has 36 MA's), (221, 16546), (256, 16609), (267, 16633), (290, 16672), (292, 16678), (320, 16717), (340, 16750), (353, 16771), (375, 16804), (377, 16807), (379, 16810), (402, 16852), (426, 16882), (430, 16891), (477, 16966), (511, 17041), (521, 17062), (555, 17131),

Gene: Thing3_33 Start: 29854, Stop: 30810, Start Num: 71
Candidate Starts for Thing3_33:
(Start: 71 @29854 has 52 MA's), (175, 30040), (183, 30052), (204, 30079), (214, 30100), (262, 30160), (319, 30247), (322, 30250), (343, 30286), (366, 30319), (373, 30334), (381, 30346), (398, 30376), (400, 30382), (443, 30442), (498, 30532), (539, 30622), (554, 30646), (563, 30658), (605, 30724), (616, 30739), (631, 30763), (637, 30775),

Gene: Thyatira_20 Start: 16323, Stop: 17453, Start Num: 28
Candidate Starts for Thyatira_20:
(Start: 28 @16323 has 23 MA's), (138, 16566), (157, 16593), (213, 16692), (268, 16794), (300, 16848), (324, 16878), (343, 16914), (345, 16917), (350, 16926), (394, 17001), (395, 17004), (430, 17040), (455, 17082), (477, 17100), (480, 17106), (495, 17130), (496, 17133), (499, 17139), (516, 17172), (642, 17382), (658, 17421), (663, 17439),

Gene: Tiamoceli_32 Start: 27405, Stop: 28382, Start Num: 84
Candidate Starts for Tiamoceli_32:
(Start: 84 @27405 has 25 MA's), (Start: 102 @27417 has 1 MA's), (118, 27444), (140, 27492), (142, 27495), (164, 27546), (215, 27624), (260, 27720), (299, 27792), (385, 27921), (401, 27954), (419, 27990), (518, 28176), (532, 28206), (550, 28233), (573, 28269), (593, 28302), (640, 28371),

Gene: Tierra_21 Start: 15908, Stop: 17047, Start Num: 24
Candidate Starts for Tierra_21:
(Start: 24 @15908 has 231 MA's), (59, 16028), (120, 16118), (157, 16187), (268, 16388), (413, 16613), (454, 16673), (477, 16694), (516, 16766), (517, 16769), (518, 16772), (565, 16859), (581, 16883), (634, 16961), (642, 16976), (658, 17015), (663, 17033),

Gene: Tiger_23 Start: 18468, Stop: 19481, Start Num: 97
Candidate Starts for Tiger_23:
(Start: 97 @18468 has 85 MA's), (149, 18564), (163, 18597), (164, 18600), (281, 18774), (318, 18834), (327, 18840), (336, 18858), (350, 18882), (377, 18924), (536, 19236), (607, 19338), (659, 19428),

Gene: Tigress9_22 Start: 15170, Stop: 16309, Start Num: 24
Candidate Starts for Tigress9_22:
(Start: 24 @15170 has 231 MA's), (59, 15290), (120, 15380), (157, 15449), (268, 15650), (352, 15785), (354, 15788), (413, 15875), (454, 15935), (477, 15956), (495, 15986), (516, 16028), (517, 16031), (518, 16034), (565, 16121), (581, 16145), (634, 16223), (642, 16238), (658, 16277), (663, 16295),

Gene: TillyBobJoe_30 Start: 24720, Stop: 25652, Start Num: 77
Candidate Starts for TillyBobJoe_30:
(Start: 77 @24720 has 34 MA's), (137, 24816), (170, 24885), (175, 24891), (194, 24915), (204, 24930), (213, 24948), (343, 25140), (395, 25218), (430, 25263), (443, 25287), (474, 25326), (520, 25422), (539, 25464), (563, 25500), (584, 25530), (612, 25575), (624, 25596), (650, 25647),

Gene: TimTam_18 Start: 16940, Stop: 17767, Start Num: 174
Candidate Starts for TimTam_18:
(Start: 174 @16940 has 36 MA's), (221, 17015), (287, 17135), (290, 17141), (333, 17207), (340, 17219), (377, 17276), (382, 17285), (402, 17321), (408, 17330), (426, 17351), (477, 17435), (511, 17510), (521, 17531), (605, 17654), (629, 17687),

Gene: Timothy_27 Start: 19730, Stop: 20752, Start Num: 90
Candidate Starts for Timothy_27:
(Start: 90 @19730 has 231 MA's), (Start: 124 @19787 has 2 MA's), (161, 19862), (248, 19991), (281, 20051), (318, 20111), (327, 20117), (350, 20159), (379, 20204), (382, 20210), (428, 20294), (450, 20327), (607, 20609), (614, 20618), (621, 20633), (659, 20699),

Gene: TinaBug_17 Start: 15472, Stop: 16644, Start Num: 24
Candidate Starts for TinaBug_17:
(5, 15139), (Start: 24 @15472 has 231 MA's), (59, 15592), (Start: 70 @15610 has 13 MA's), (107, 15655), (Start: 109 @15661 has 8 MA's), (137, 15724), (159, 15760), (201, 15829), (202, 15832), (213, 15853), (248, 15907), (268, 15952), (289, 15982), (350, 16084), (358, 16096), (368, 16108), (377, 16126), (477, 16291), (495, 16321), (508, 16339), (516, 16363), (583, 16483), (642, 16573), (656, 16606),

Gene: TingHuaYa_22 Start: 15317, Stop: 16453, Start Num: 24
Candidate Starts for TingHuaYa_22:
(Start: 24 @15317 has 231 MA's), (59, 15434), (129, 15545), (157, 15593), (214, 15695), (300, 15848), (352, 15929), (395, 16004), (413, 16019), (495, 16130), (516, 16172), (565, 16265), (581, 16289), (642, 16382), (658, 16421), (663, 16439),

Gene: TiniBug_22 Start: 15962, Stop: 17098, Start Num: 24
Candidate Starts for TiniBug_22:
(Start: 24 @15962 has 231 MA's), (59, 16079), (120, 16169), (129, 16190), (138, 16211), (157, 16238), (268, 16439), (300, 16493), (305, 16499), (352, 16574), (395, 16649), (413, 16664), (516, 16817), (565, 16910), (581, 16934), (642, 17027), (658, 17066), (663, 17084),

Gene: TinyDot_18 Start: 14464, Stop: 15303, Start Num: 179
Candidate Starts for TinyDot_18:
(Start: 179 @14464 has 1 MA's), (191, 14476), (251, 14572), (290, 14647), (314, 14695), (320, 14704), (353, 14761), (379, 14800), (382, 14806), (402, 14839), (516, 15043), (654, 15274),

Gene: TinyTimmy_27 Start: 19773, Stop: 20795, Start Num: 90
Candidate Starts for TinyTimmy_27:
(Start: 90 @19773 has 231 MA's), (Start: 124 @19830 has 2 MA's), (161, 19905), (248, 20034), (281, 20094), (318, 20154), (327, 20160), (350, 20202), (379, 20247), (382, 20253), (428, 20337), (450, 20370), (607, 20652), (614, 20661), (621, 20676), (659, 20742),

Gene: TipsytheTRex_26 Start: 18299, Stop: 19309, Start Num: 90
Candidate Starts for TipsytheTRex_26:
(Start: 90 @18299 has 231 MA's), (Start: 124 @18353 has 2 MA's), (137, 18374), (149, 18392), (327, 18674), (349, 18713), (350, 18716), (379, 18761), (428, 18851), (480, 18944), (548, 19079), (607, 19166),

Gene: Tiri_22 Start: 16023, Stop: 17159, Start Num: 24
Candidate Starts for Tiri_22:
(Start: 24 @16023 has 231 MA's), (59, 16140), (120, 16230), (129, 16251), (138, 16272), (157, 16299), (300, 16554), (352, 16635), (395, 16710), (413, 16725), (495, 16836), (516, 16878), (565, 16971),

(581, 16995), (642, 17088), (658, 17127), (663, 17145),

Gene: Toaka_26 Start: 18892, Stop: 19914, Start Num: 90
Candidate Starts for Toaka_26:
(Start: 90 @18892 has 231 MA's), (104, 18907), (Start: 106 @18910 has 6 MA's), (149, 18985), (208, 19090), (281, 19201), (299, 19237), (327, 19267), (350, 19309), (432, 19459), (489, 19555), (492, 19561), (596, 19759), (607, 19771), (614, 19780), (621, 19795),

Gene: Toast_18 Start: 15883, Stop: 16743, Start Num: 70
Candidate Starts for Toast_18:
(Start: 70 @15883 has 13 MA's), (Start: 88 @15898 has 1 MA's), (Start: 109 @15928 has 8 MA's), (119, 15949), (161, 16039), (209, 16120), (350, 16324), (352, 16327), (510, 16522), (562, 16612), (594, 16654), (626, 16702), (630, 16708),

Gene: Togo_30 Start: 24909, Stop: 25853, Start Num: 77
Candidate Starts for Togo_30:
(Start: 77 @24909 has 34 MA's), (137, 25014), (170, 25083), (175, 25089), (194, 25113), (204, 25128), (443, 25488), (454, 25503), (471, 25521), (520, 25623), (539, 25665), (563, 25701), (624, 25797), (650, 25848),

Gene: TomBrady_17 Start: 15478, Stop: 16650, Start Num: 24
Candidate Starts for TomBrady_17:
(5, 15145), (Start: 24 @15478 has 231 MA's), (59, 15598), (Start: 70 @15616 has 13 MA's), (107, 15661), (Start: 109 @15667 has 8 MA's), (137, 15730), (159, 15766), (201, 15835), (202, 15838), (213, 15859), (248, 15913), (268, 15958), (289, 15988), (350, 16090), (358, 16102), (368, 16114), (377, 16132), (477, 16297), (495, 16327), (508, 16345), (516, 16369), (583, 16489), (642, 16579), (656, 16612),

Gene: Tomathan_30 Start: 19042, Stop: 20052, Start Num: 90
Candidate Starts for Tomathan_30:
(Start: 90 @19042 has 231 MA's), (Start: 124 @19096 has 2 MA's), (137, 19117), (149, 19135), (256, 19306), (327, 19417), (349, 19456), (350, 19459), (379, 19504), (548, 19822), (596, 19897), (607, 19909), (621, 19933), (659, 19999),

Gene: ToneTone_28 Start: 18890, Stop: 19906, Start Num: 90
Candidate Starts for ToneTone_28:
(Start: 90 @18890 has 231 MA's), (Start: 106 @18908 has 6 MA's), (Start: 124 @18944 has 2 MA's), (149, 18983), (208, 19088), (327, 19265), (349, 19304), (350, 19307), (402, 19394), (412, 19415), (480, 19541), (516, 19613), (607, 19763), (614, 19772), (659, 19853),

Gene: Toniann_47 Start: 28657, Stop: 29538, Start Num: 69
Candidate Starts for Toniann_47:
(Start: 69 @28657 has 12 MA's), (108, 28705), (120, 28732), (158, 28804), (196, 28870), (213, 28900), (288, 29008), (350, 29101), (369, 29125), (376, 29140), (455, 29236), (495, 29284), (604, 29464), (628, 29500),

Gene: Topper_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Topper_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Torres_18 Start: 15554, Stop: 16696, Start Num: 24

Candidate Starts for Torres_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: TouchMeNot_18 Start: 16550, Stop: 17428, Start Num: 76
Candidate Starts for TouchMeNot_18:
(Start: 76 @16550 has 5 MA's), (Start: 78 @16553 has 8 MA's), (130, 16637), (208, 16775), (430, 17063),

Gene: Tourach_17 Start: 16072, Stop: 16986, Start Num: 89
Candidate Starts for Tourach_17:
(Start: 89 @16072 has 84 MA's), (111, 16096), (Start: 124 @16126 has 2 MA's), (164, 16207), (197, 16252), (348, 16477), (349, 16480), (350, 16483), (405, 16570), (417, 16594), (421, 16600), (467, 16669), (476, 16687), (488, 16708), (513, 16762), (517, 16774), (549, 16837), (641, 16966), (649, 16978),

Gene: Towmatter_27 Start: 24381, Stop: 25262, Start Num: 63
Candidate Starts for Towmatter_27:
(Start: 63 @24381 has 10 MA's), (120, 24456), (155, 24519), (158, 24528), (161, 24537), (248, 24657), (280, 24717), (350, 24825), (455, 24960), (495, 25008), (530, 25083), (562, 25131), (598, 25179), (604, 25188),

Gene: TpudiCK_28 Start: 21456, Stop: 22367, Start Num: 82
Candidate Starts for TpudiCK_28:
(Start: 82 @21456 has 21 MA's), (Start: 143 @21558 has 1 MA's), (156, 21576), (161, 21591), (208, 21663), (213, 21672), (267, 21750), (348, 21885), (349, 21888), (350, 21891), (395, 21960), (417, 22002), (421, 22008), (503, 22149), (513, 22170), (517, 22182), (608, 22305), (617, 22317),

Gene: Tracker_40 Start: 28657, Stop: 29598, Start Num: 105
Candidate Starts for Tracker_40:
(Start: 105 @28657 has 26 MA's), (Start: 143 @28744 has 1 MA's), (186, 28819), (227, 28885), (248, 28927), (277, 28984), (411, 29197), (425, 29224), (488, 29335), (549, 29467), (613, 29563),

Gene: Travvers_30 Start: 19042, Stop: 20052, Start Num: 90
Candidate Starts for Travvers_30:
(Start: 90 @19042 has 231 MA's), (Start: 124 @19096 has 2 MA's), (137, 19117), (149, 19135), (256, 19306), (327, 19417), (349, 19456), (350, 19459), (379, 19504), (548, 19822), (596, 19897), (607, 19909), (621, 19933), (659, 19999),

Gene: Trax_27 Start: 22698, Stop: 23609, Start Num: 86
Candidate Starts for Trax_27:
(Start: 74 @22683 has 10 MA's), (Start: 86 @22698 has 6 MA's), (Start: 124 @22755 has 2 MA's), (137, 22785), (208, 22899), (259, 22974), (279, 23007), (299, 23043), (348, 23124), (349, 23127), (368, 23154), (370, 23160), (389, 23187), (421, 23247), (423, 23253), (493, 23376), (494, 23379), (505, 23400), (517, 23430), (520, 23439), (537, 23478), (541, 23481), (573, 23523), (591, 23538), (594, 23544), (613, 23562), (620, 23577),

Gene: TreyKay_22 Start: 15985, Stop: 17121, Start Num: 24
Candidate Starts for TreyKay_22:
(Start: 24 @15985 has 231 MA's), (59, 16102), (120, 16192), (129, 16213), (138, 16234), (157, 16261), (300, 16516), (352, 16597), (395, 16672), (413, 16687), (495, 16798), (516, 16840), (565, 16933), (581, 16957), (642, 17050), (658, 17089), (663, 17107),

Gene: TriFive_18 Start: 16490, Stop: 17380, Start Num: 89
Candidate Starts for TriFive_18:
(Start: 89 @16490 has 84 MA's), (111, 16514), (130, 16559), (137, 16574), (150, 16595), (208, 16691), (299, 16826), (304, 16835), (349, 16895), (350, 16898), (354, 16904), (401, 16976), (417, 17009), (423, 17021), (467, 17084), (494, 17138), (505, 17159), (525, 17210), (549, 17252), (641, 17363), (643, 17366),

Gene: TribleTrouble_20 Start: 16264, Stop: 17403, Start Num: 24
Candidate Starts for TribleTrouble_20:
(Start: 24 @16264 has 231 MA's), (59, 16390), (107, 16453), (Start: 109 @16459 has 8 MA's), (Start: 124 @16489 has 2 MA's), (138, 16522), (202, 16627), (213, 16648), (268, 16750), (289, 16780), (319, 16825), (368, 16903), (477, 17050), (495, 17080), (499, 17089), (516, 17122), (517, 17125), (518, 17128), (565, 17215), (623, 17302), (638, 17326), (642, 17332), (656, 17365), (658, 17371),

Gene: Trice_18 Start: 15554, Stop: 16696, Start Num: 24
Candidate Starts for Trice_18:
(Start: 24 @15554 has 231 MA's), (59, 15677), (120, 15767), (157, 15836), (213, 15935), (214, 15938), (268, 16037), (352, 16172), (495, 16373), (516, 16415), (517, 16418), (565, 16508), (581, 16532), (642, 16625), (658, 16664), (663, 16682),

Gene: Trine_17 Start: 13911, Stop: 14768, Start Num: 151
Candidate Starts for Trine_17:
(Start: 151 @13911 has 14 MA's), (188, 13980), (200, 13995), (268, 14109), (339, 14214), (399, 14307), (403, 14319), (476, 14421), (526, 14523), (545, 14544), (596, 14622), (599, 14625), (607, 14634), (614, 14643), (615, 14646), (642, 14685), (663, 14736),

Gene: Tristan_28 Start: 20795, Stop: 21811, Start Num: 90
Candidate Starts for Tristan_28:
(Start: 90 @20795 has 231 MA's), (137, 20870), (149, 20888), (188, 20963), (281, 21104), (327, 21170), (350, 21212), (403, 21302), (422, 21338), (428, 21353), (499, 21479), (536, 21566), (607, 21668), (621, 21692),

Gene: Trixie_30 Start: 20845, Stop: 21858, Start Num: 90
Candidate Starts for Trixie_30:
(Start: 90 @20845 has 231 MA's), (Start: 106 @20863 has 6 MA's), (137, 20920), (149, 20938), (164, 20974), (188, 21013), (281, 21154), (327, 21220), (349, 21259), (350, 21262), (379, 21307), (412, 21367), (432, 21412), (480, 21493), (499, 21526), (607, 21715), (614, 21724), (660, 21808),

Gene: Trooper_27 Start: 19001, Stop: 20011, Start Num: 90
Candidate Starts for Trooper_27:
(Start: 90 @19001 has 231 MA's), (137, 19076), (149, 19094), (164, 19130), (188, 19169), (281, 19310), (327, 19376), (349, 19415), (350, 19418), (480, 19646), (548, 19781), (607, 19868), (621, 19892), (659, 19958),

Gene: TruffulaTree_22 Start: 16014, Stop: 17150, Start Num: 24
Candidate Starts for TruffulaTree_22:
(Start: 24 @16014 has 231 MA's), (59, 16131), (120, 16221), (129, 16242), (138, 16263), (157, 16290), (300, 16545), (352, 16626), (395, 16701), (413, 16716), (495, 16827), (516, 16869), (565, 16962), (581, 16986), (642, 17079), (658, 17118), (663, 17136),

Gene: Trumpet_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Trumpet_18:

(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: Tubs_28 Start: 20527, Stop: 21540, Start Num: 90
Candidate Starts for Tubs_28:
(Start: 90 @20527 has 231 MA's), (Start: 106 @20545 has 6 MA's), (137, 20602), (149, 20620), (164, 20656), (281, 20836), (299, 20872), (327, 20902), (350, 20944), (440, 21103), (516, 21247), (548, 21310), (596, 21385), (607, 21397), (621, 21421),

Gene: Tucker_30 Start: 18976, Stop: 19992, Start Num: 90
Candidate Starts for Tucker_30:
(Start: 90 @18976 has 231 MA's), (Start: 106 @18994 has 6 MA's), (Start: 124 @19030 has 2 MA's), (149, 19069), (208, 19174), (327, 19351), (349, 19390), (350, 19393), (402, 19480), (412, 19501), (480, 19627), (516, 19699), (607, 19849), (614, 19858), (659, 19939),

Gene: TuertoX_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for TuertoX_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: Turbido_29 Start: 19682, Stop: 20698, Start Num: 90
Candidate Starts for Turbido_29:
(Start: 90 @19682 has 231 MA's), (137, 19757), (149, 19775), (164, 19811), (188, 19850), (327, 20057), (349, 20096), (350, 20099), (402, 20186), (499, 20366), (548, 20468), (596, 20543), (607, 20555),

Gene: Turuncu_44 Start: 29978, Stop: 30895, Start Num: 105
Candidate Starts for Turuncu_44:
(Start: 105 @29978 has 26 MA's), (Start: 143 @30056 has 1 MA's), (184, 30128), (232, 30209), (299, 30338), (411, 30509), (495, 30665), (549, 30764), (595, 30839), (613, 30860),

Gene: Tuti_23 Start: 16876, Stop: 17712, Start Num: 166
Candidate Starts for Tuti_23:
(Start: 166 @16876 has 45 MA's), (Start: 174 @16885 has 36 MA's), (204, 16927), (221, 16960), (228, 16975), (256, 17023), (290, 17086), (292, 17092), (320, 17131), (353, 17185), (379, 17224), (402, 17266), (426, 17296), (430, 17305), (477, 17380), (488, 17398), (511, 17455), (555, 17545), (629, 17632),

Gene: Twigg_23 Start: 18619, Stop: 19632, Start Num: 97
Candidate Starts for Twigg_23:
(Start: 97 @18619 has 85 MA's), (149, 18715), (163, 18748), (164, 18751), (281, 18925), (318, 18985), (327, 18991), (336, 19009), (350, 19033), (377, 19075), (536, 19387), (607, 19489), (623, 19516), (659, 19579),

Gene: Twinkle_19 Start: 18137, Stop: 18964, Start Num: 174
Candidate Starts for Twinkle_19:
(Start: 166 @18128 has 45 MA's), (Start: 174 @18137 has 36 MA's), (204, 18179), (221, 18212), (228, 18227), (256, 18275), (290, 18338), (292, 18344), (320, 18383), (353, 18437), (365, 18452), (379, 18476), (382, 18482), (402, 18518), (426, 18548), (430, 18557), (511, 18707), (555, 18797), (629, 18884),

Gene: Twister6_32 Start: 25345, Stop: 26289, Start Num: 77
Candidate Starts for Twister6_32:
(Start: 77 @25345 has 34 MA's), (137, 25450), (170, 25519), (175, 25525), (194, 25549), (204, 25564), (443, 25924), (454, 25939), (471, 25957), (520, 26059), (539, 26101), (563, 26137), (624, 26233), (650, 26284),

Gene: Twitch_22 Start: 16051, Stop: 17187, Start Num: 24
Candidate Starts for Twitch_22:
(Start: 24 @16051 has 231 MA's), (59, 16168), (120, 16258), (129, 16279), (138, 16300), (157, 16327), (300, 16582), (352, 16663), (395, 16738), (413, 16753), (495, 16864), (516, 16906), (565, 16999), (581, 17023), (642, 17116), (658, 17155), (663, 17173),

Gene: Twonlo_29 Start: 26023, Stop: 27000, Start Num: 84
Candidate Starts for Twonlo_29:
(Start: 84 @26023 has 25 MA's), (Start: 102 @26035 has 1 MA's), (118, 26062), (140, 26110), (142, 26113), (164, 26164), (215, 26242), (260, 26338), (281, 26371), (299, 26410), (385, 26539), (401, 26572), (419, 26608), (518, 26794), (532, 26824), (550, 26851), (573, 26887), (593, 26920), (640, 26989),

Gene: TyDawg_27 Start: 21457, Stop: 22368, Start Num: 82
Candidate Starts for TyDawg_27:
(Start: 82 @21457 has 21 MA's), (Start: 143 @21559 has 1 MA's), (156, 21577), (161, 21592), (208, 21664), (213, 21673), (267, 21751), (348, 21886), (349, 21889), (350, 21892), (395, 21961), (417, 22003), (421, 22009), (503, 22150), (513, 22171), (517, 22183), (608, 22306), (617, 22318),

Gene: Tycho_33 Start: 28653, Stop: 29609, Start Num: 71
Candidate Starts for Tycho_33:
(Start: 71 @28653 has 52 MA's), (161, 28809), (175, 28839), (183, 28851), (194, 28863), (204, 28878), (210, 28890), (322, 29049), (343, 29085), (381, 29145), (400, 29181), (443, 29241), (498, 29331), (539, 29421), (554, 29445), (563, 29457), (605, 29523), (616, 29538), (631, 29562), (637, 29574),

Gene: Typha_23 Start: 18613, Stop: 19611, Start Num: 40
Candidate Starts for Typha_23:
(Start: 40 @18613 has 6 MA's), (80, 18679), (137, 18769), (140, 18775), (165, 18823), (198, 18871), (213, 18898), (233, 18925), (234, 18928), (251, 18949), (279, 19000), (306, 19051), (316, 19060), (332, 19087), (377, 19162), (391, 19186), (480, 19276), (495, 19300), (496, 19303), (516, 19339), (539, 19393), (545, 19402), (572, 19444), (574, 19447), (634, 19528), (638, 19537), (658, 19582),

Gene: Tyson_17 Start: 15865, Stop: 16746, Start Num: 89
Candidate Starts for Tyson_17:
(55, 15811), (Start: 74 @15847 has 10 MA's), (Start: 89 @15865 has 84 MA's), (111, 15889), (Start: 124 @15919 has 2 MA's), (130, 15934), (150, 15967), (251, 16111), (296, 16192), (349, 16267), (350, 16270), (354, 16276), (382, 16321), (401, 16348), (417, 16381), (421, 16387), (445, 16420), (451, 16429), (467, 16456), (523, 16576), (549, 16624), (613, 16690), (617, 16696), (641, 16735),

Gene: UPIE_17 Start: 15845, Stop: 16744, Start Num: 74
Candidate Starts for UPIE_17:
(55, 15809), (Start: 74 @15845 has 10 MA's), (Start: 89 @15863 has 84 MA's), (111, 15887), (Start: 124 @15917 has 2 MA's), (130, 15932), (150, 15965), (251, 16109), (349, 16265), (350, 16268), (354, 16274), (382, 16319), (401, 16346), (417, 16379), (421, 16385), (445, 16418), (451, 16427), (467, 16454), (523, 16574), (549, 16622), (613, 16688), (617, 16694), (641, 16733),

Gene: Ubuntu_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Ubuntu_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Ugenie5_25 Start: 20560, Stop: 21573, Start Num: 90
Candidate Starts for Ugenie5_25:
(Start: 90 @20560 has 231 MA's), (Start: 106 @20578 has 6 MA's), (137, 20635), (149, 20653), (164, 20689), (281, 20869), (299, 20905), (327, 20935), (350, 20977), (440, 21136), (516, 21280), (548, 21343), (596, 21418), (607, 21430), (621, 21454),

Gene: UhSalsa_22 Start: 15480, Stop: 16352, Start Num: 97
Candidate Starts for UhSalsa_22:
(Start: 97 @15480 has 85 MA's), (120, 15519), (161, 15600), (163, 15606), (Start: 207 @15675 has 1 MA's), (260, 15753), (296, 15813), (350, 15891), (434, 15987), (548, 16116), (559, 16134), (596, 16191), (607, 16203), (634, 16245), (668, 16341),

Gene: UmaThurman_18 Start: 15921, Stop: 16781, Start Num: 73
Candidate Starts for UmaThurman_18:
(Start: 66 @15915 has 10 MA's), (Start: 73 @15921 has 24 MA's), (161, 16077), (209, 16158), (280, 16257), (352, 16365), (425, 16449), (477, 16515), (510, 16560), (562, 16650), (594, 16692),

Gene: Underpass_17 Start: 16079, Stop: 16993, Start Num: 89
Candidate Starts for Underpass_17:
(Start: 89 @16079 has 84 MA's), (111, 16103), (Start: 124 @16133 has 2 MA's), (197, 16259), (251, 16331), (348, 16484), (349, 16487), (350, 16490), (370, 16520), (405, 16577), (417, 16601), (421, 16607), (467, 16676), (476, 16694), (488, 16715), (513, 16769), (517, 16781), (549, 16844), (641, 16973), (649, 16985),

Gene: Unicorn_21 Start: 15233, Stop: 16372, Start Num: 24
Candidate Starts for Unicorn_21:
(Start: 24 @15233 has 231 MA's), (59, 15353), (120, 15443), (157, 15512), (268, 15713), (300, 15767), (324, 15797), (413, 15938), (454, 15998), (477, 16019), (495, 16049), (516, 16091), (517, 16094), (518, 16097), (565, 16184), (581, 16208), (634, 16286), (642, 16301), (658, 16340), (663, 16358),

Gene: UnionJack_23 Start: 17673, Stop: 18686, Start Num: 97
Candidate Starts for UnionJack_23:
(Start: 97 @17673 has 85 MA's), (149, 17769), (163, 17802), (164, 17805), (188, 17844), (281, 17979), (296, 18009), (318, 18039), (327, 18045), (336, 18063), (350, 18087), (377, 18129), (472, 18300), (607, 18543), (623, 18570), (659, 18633),

Gene: Updawg_29 Start: 19643, Stop: 20659, Start Num: 90
Candidate Starts for Updawg_29:
(Start: 90 @19643 has 231 MA's), (137, 19718), (149, 19736), (164, 19772), (188, 19811), (299, 19988), (327, 20018), (349, 20057), (350, 20060), (607, 20516), (621, 20540),

Gene: Upyo_17 Start: 14116, Stop: 14946, Start Num: 151
Candidate Starts for Upyo_17:
(Start: 151 @14116 has 14 MA's), (170, 14161), (188, 14185), (298, 14365), (339, 14419), (399, 14512), (403, 14524), (468, 14608), (476, 14626), (607, 14812), (615, 14824), (642, 14863), (663, 14914),

Gene: Urkel_22 Start: 15965, Stop: 17101, Start Num: 24
Candidate Starts for Urkel_22:
(Start: 24 @15965 has 231 MA's), (59, 16082), (120, 16172), (129, 16193), (138, 16214), (157, 16241), (268, 16442), (300, 16496), (305, 16502), (352, 16577), (395, 16652), (413, 16667), (516, 16820), (565, 16913), (581, 16937), (642, 17030), (658, 17069), (663, 17087),

Gene: Utz_18 Start: 15788, Stop: 16648, Start Num: 73
Candidate Starts for Utz_18:
(Start: 66 @15782 has 10 MA's), (Start: 73 @15788 has 24 MA's), (161, 15944), (209, 16025), (280, 16124), (352, 16232), (425, 16316), (480, 16388), (562, 16517), (581, 16544), (594, 16559),

Gene: VA6_27 Start: 19197, Stop: 20207, Start Num: 90
Candidate Starts for VA6_27:
(Start: 90 @19197 has 231 MA's), (Start: 124 @19251 has 2 MA's), (137, 19272), (149, 19290), (256, 19461), (327, 19572), (349, 19611), (350, 19614), (379, 19659), (428, 19749), (536, 19962), (548, 19977), (596, 20052), (607, 20064), (621, 20088), (659, 20154),

Gene: VC3_30 Start: 19185, Stop: 20195, Start Num: 90
Candidate Starts for VC3_30:
(Start: 90 @19185 has 231 MA's), (Start: 124 @19239 has 2 MA's), (137, 19260), (149, 19278), (256, 19449), (327, 19560), (349, 19599), (350, 19602), (379, 19647), (428, 19737), (536, 19950), (548, 19965), (596, 20040), (607, 20052), (621, 20076), (659, 20142),

Gene: Valary_33 Start: 25854, Stop: 26798, Start Num: 77
Candidate Starts for Valary_33:
(Start: 77 @25854 has 34 MA's), (137, 25959), (170, 26028), (175, 26034), (194, 26058), (204, 26073), (443, 26433), (454, 26448), (471, 26466), (520, 26568), (539, 26610), (563, 26646), (624, 26742), (650, 26793),

Gene: Validus_22 Start: 15308, Stop: 16447, Start Num: 24
Candidate Starts for Validus_22:
(Start: 24 @15308 has 231 MA's), (59, 15428), (120, 15518), (157, 15587), (213, 15686), (214, 15689), (268, 15788), (300, 15842), (352, 15923), (395, 15998), (413, 16013), (495, 16124), (516, 16166), (517, 16169), (565, 16259), (621, 16343), (634, 16361), (642, 16376), (658, 16415), (663, 16433),

Gene: VanDeWege_33 Start: 25693, Stop: 26625, Start Num: 77
Candidate Starts for VanDeWege_33:
(Start: 77 @25693 has 34 MA's), (137, 25789), (170, 25858), (175, 25864), (194, 25888), (204, 25903), (322, 26077), (343, 26113), (395, 26191), (443, 26260), (520, 26395), (539, 26437), (563, 26473), (612, 26548), (624, 26569), (650, 26620),

Gene: VanLee_19 Start: 15562, Stop: 16449, Start Num: 83
Candidate Starts for VanLee_19:
(Start: 83 @15562 has 5 MA's), (Start: 124 @15619 has 2 MA's), (130, 15634), (208, 15769), (299, 15904), (327, 15934), (348, 15970), (349, 15973), (356, 15985), (370, 16006), (386, 16036), (457, 16093), (461, 16099), (475, 16123), (585, 16273), (649, 16369), (667, 16429),

Gene: Vanisoa_26 Start: 18587, Stop: 19609, Start Num: 90
Candidate Starts for Vanisoa_26:
(Start: 90 @18587 has 231 MA's), (Start: 106 @18605 has 6 MA's), (Start: 124 @18641 has 2 MA's), (137, 18662), (149, 18680), (299, 18932), (327, 18962), (350, 19004), (432, 19154), (463, 19199), (489, 19250), (492, 19256), (516, 19316), (607, 19466), (614, 19475),

Gene: Vasanti_16 Start: 13856, Stop: 14704, Start Num: 166
Candidate Starts for Vasanti_16:
(128, 13769), (Start: 166 @13856 has 45 MA's), (171, 13862), (Start: 174 @13865 has 36 MA's), (221, 13940), (262, 14018), (270, 14033), (281, 14051), (297, 14084), (379, 14207), (385, 14219), (390, 14228), (477, 14363), (540, 14513), (650, 14669), (654, 14675),

Gene: VasuNzinga_49 Start: 25618, Stop: 26580, Start Num: 89
Candidate Starts for VasuNzinga_49:
(Start: 89 @25618 has 84 MA's), (161, 25750), (175, 25774), (182, 25783), (185, 25789), (192, 25798), (208, 25822), (213, 25831), (219, 25843), (294, 25969), (341, 26050), (350, 26065), (354, 26071), (417, 26179), (493, 26305), (497, 26311), (582, 26461), (586, 26467), (593, 26479), (594, 26482), (651, 26569), (653, 26572), (655, 26575),

Gene: Veliki_22 Start: 16054, Stop: 17190, Start Num: 24
Candidate Starts for Veliki_22:
(Start: 24 @16054 has 231 MA's), (59, 16171), (120, 16261), (129, 16282), (138, 16303), (157, 16330), (300, 16585), (352, 16666), (395, 16741), (413, 16756), (495, 16867), (516, 16909), (565, 17002), (581, 17026), (642, 17119), (658, 17158), (663, 17176),

Gene: Verity_33 Start: 29967, Stop: 30944, Start Num: 84
Candidate Starts for Verity_33:
(Start: 84 @29967 has 25 MA's), (140, 30054), (158, 30090), (177, 30126), (260, 30282), (262, 30285), (299, 30354), (341, 30417), (348, 30426), (401, 30516), (417, 30549), (419, 30552), (506, 30705), (522, 30747), (532, 30768), (550, 30795), (564, 30816), (570, 30825), (573, 30831), (593, 30864), (594, 30867), (623, 30912), (630, 30921), (640, 30933),

Gene: Vetrix_17 Start: 16080, Stop: 16994, Start Num: 89
Candidate Starts for Vetrix_17:
(Start: 89 @16080 has 84 MA's), (111, 16104), (Start: 124 @16134 has 2 MA's), (197, 16260), (251, 16332), (348, 16485), (349, 16488), (350, 16491), (370, 16521), (405, 16578), (417, 16602), (421, 16608), (467, 16677), (476, 16695), (488, 16716), (517, 16782), (549, 16845), (641, 16974), (649, 16986),

Gene: ViaConlectus_34 Start: 28404, Stop: 29390, Start Num: 84
Candidate Starts for ViaConlectus_34:
(Start: 84 @28404 has 25 MA's), (127, 28476), (140, 28500), (158, 28536), (177, 28572), (260, 28728), (299, 28800), (341, 28863), (348, 28872), (385, 28929), (401, 28962), (417, 28995), (419, 28998), (489, 29115), (506, 29151), (518, 29184), (522, 29193), (532, 29214), (550, 29241), (570, 29271), (573, 29277), (593, 29310), (594, 29313), (630, 29367), (640, 29379),

Gene: Vivi2_36 Start: 30528, Stop: 31484, Start Num: 71
Candidate Starts for Vivi2_36:
(Start: 71 @30528 has 52 MA's), (175, 30714), (183, 30726), (204, 30753), (214, 30774), (262, 30834), (319, 30921), (322, 30924), (343, 30960), (366, 30993), (373, 31008), (381, 31020), (398, 31050), (400, 31056), (443, 31116), (498, 31206), (539, 31296), (554, 31320), (563, 31332), (605, 31398), (631, 31437), (637, 31449),

Gene: ViviJ_19 Start: 16180, Stop: 17310, Start Num: 28
Candidate Starts for ViviJ_19:
(Start: 28 @16180 has 23 MA's), (107, 16354), (137, 16420), (138, 16423), (157, 16450), (213, 16549), (268, 16651), (300, 16705), (324, 16735), (343, 16771), (345, 16774), (350, 16783), (394, 16858), (395, 16861), (430, 16897), (455, 16939), (477, 16957), (480, 16963), (495, 16987), (496, 16990),

(516, 17029), (642, 17239), (658, 17278), (663, 17296),

Gene: VohminGhazi_30 Start: 18966, Stop: 19979, Start Num: 90
Candidate Starts for VohminGhazi_30:
(Start: 90 @18966 has 231 MA's), (Start: 124 @19020 has 2 MA's), (149, 19059), (208, 19164), (299, 19311), (327, 19341), (349, 19380), (350, 19383), (379, 19428), (412, 19488), (516, 19686), (607, 19836), (614, 19845),

Gene: Vordorf_21 Start: 17520, Stop: 18380, Start Num: 66
Candidate Starts for Vordorf_21:
(Start: 66 @17520 has 10 MA's), (Start: 73 @17526 has 24 MA's), (Start: 103 @17562 has 5 MA's), (Start: 105 @17565 has 26 MA's), (193, 17733), (203, 17748), (209, 17760), (278, 17856), (280, 17859), (293, 17880), (300, 17895), (386, 18024), (479, 18120), (510, 18165), (517, 18186), (528, 18216), (596, 18306),

Gene: WST1_16 Start: 12938, Stop: 14128, Start Num: 34
Candidate Starts for WST1_16:
(Start: 34 @12938 has 1 MA's), (Start: 49 @12986 has 22 MA's), (Start: 50 @12989 has 1 MA's), (Start: 87 @13052 has 1 MA's), (104, 13073), (139, 13148), (171, 13223), (242, 13331), (249, 13343), (251, 13346), (260, 13370), (273, 13391), (298, 13436), (346, 13517), (359, 13538), (367, 13547), (375, 13562), (379, 13568), (404, 13613), (407, 13616), (418, 13640), (420, 13643), (472, 13739), (525, 13850), (533, 13871), (569, 13910), (578, 13925), (593, 13949), (623, 13997), (644, 14030), (646, 14036), (647, 14042), (649, 14045), (669, 14114),

Gene: Waits_29 Start: 18089, Stop: 19066, Start Num: 93
Candidate Starts for Waits_29:
(Start: 93 @18089 has 22 MA's), (161, 18203), (163, 18209), (164, 18212), (308, 18446), (477, 18713), (514, 18767), (607, 18923),

Gene: Walrus_19 Start: 16016, Stop: 16876, Start Num: 73
Candidate Starts for Walrus_19:
(Start: 66 @16010 has 10 MA's), (Start: 73 @16016 has 24 MA's), (161, 16172), (209, 16253), (280, 16352), (352, 16460), (425, 16544), (477, 16610), (510, 16655), (562, 16745), (594, 16787),

Gene: Wamburgrxpress_17 Start: 15878, Stop: 16759, Start Num: 89
Candidate Starts for Wamburgrxpress_17:
(Start: 74 @15860 has 10 MA's), (Start: 89 @15878 has 84 MA's), (111, 15902), (Start: 124 @15932 has 2 MA's), (130, 15947), (150, 15980), (251, 16124), (296, 16205), (349, 16280), (350, 16283), (354, 16289), (382, 16334), (401, 16361), (417, 16394), (421, 16400), (445, 16433), (451, 16442), (467, 16469), (523, 16589), (549, 16637), (613, 16703), (617, 16709), (641, 16748),

Gene: Warrior24_29 Start: 18093, Stop: 19070, Start Num: 93
Candidate Starts for Warrior24_29:
(Start: 93 @18093 has 22 MA's), (161, 18207), (163, 18213), (164, 18216), (308, 18450), (477, 18717), (514, 18771), (607, 18927),

Gene: Waterfoul_20 Start: 16344, Stop: 17474, Start Num: 28
Candidate Starts for Waterfoul_20:
(Start: 28 @16344 has 23 MA's), (138, 16587), (157, 16614), (213, 16713), (268, 16815), (300, 16869), (324, 16899), (343, 16935), (345, 16938), (350, 16947), (394, 17022), (395, 17025), (430, 17061), (455, 17103), (477, 17121), (480, 17127), (495, 17151), (496, 17154), (499, 17160), (516, 17193), (642, 17403), (658, 17442), (663, 17460),

Gene: Webster2_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Webster2_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: WeiHuaDA_33 Start: 21452, Stop: 22465, Start Num: 90
Candidate Starts for WeiHuaDA_33:
(Start: 90 @21452 has 231 MA's), (Start: 106 @21470 has 6 MA's), (137, 21527), (149, 21545), (164, 21581), (188, 21620), (327, 21827), (349, 21866), (350, 21869), (379, 21914), (412, 21974), (428, 22007), (479, 22097), (499, 22133), (607, 22322), (614, 22331),

Gene: Weirdo19_18 Start: 14977, Stop: 16083, Start Num: 44
Candidate Starts for Weirdo19_18:
(8, 14650), (9, 14686), (Start: 44 @14977 has 1 MA's), (Start: 49 @14989 has 22 MA's), (129, 15118), (156, 15163), (157, 15166), (159, 15172), (164, 15187), (218, 15271), (258, 15355), (272, 15385), (276, 15391), (292, 15421), (309, 15448), (313, 15454), (321, 15463), (347, 15508), (357, 15526), (364, 15535), (414, 15610), (428, 15628), (498, 15769), (593, 15937), (619, 15976), (634, 15997), (638, 16006), (642, 16012), (658, 16051),

Gene: WelcomeAyanna_17 Start: 16982, Stop: 17809, Start Num: 174
Candidate Starts for WelcomeAyanna_17:
(31, 16682), (Start: 174 @16982 has 36 MA's), (287, 17177), (290, 17183), (320, 17228), (340, 17261), (351, 17279), (382, 17327), (402, 17363), (408, 17372), (426, 17393), (429, 17399), (477, 17477), (511, 17552), (629, 17729),

Gene: Wendigo_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Wendigo_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Whabigail7_29 Start: 19670, Stop: 20686, Start Num: 90
Candidate Starts for Whabigail7_29:
(Start: 90 @19670 has 231 MA's), (137, 19745), (149, 19763), (164, 19799), (188, 19838), (327, 20045), (349, 20084), (350, 20087), (402, 20174), (499, 20354), (548, 20456), (596, 20531), (607, 20543),

Gene: Whack_17 Start: 16453, Stop: 17082, Start Num: 207
Candidate Starts for Whack_17:
(94, 16246), (190, 16429), (Start: 207 @16453 has 1 MA's), (213, 16465), (251, 16504), (264, 16534), (276, 16552), (311, 16609), (313, 16612), (323, 16624), (331, 16639), (350, 16666), (356, 16675), (439, 16777), (445, 16783), (449, 16789), (488, 16837), (495, 16849), (513, 16876), (553, 16948), (592, 17002), (596, 17008), (611, 17026), (636, 17068),

Gene: WheatThin_21 Start: 16293, Stop: 17354, Start Num: 53
Candidate Starts for WheatThin_21:
(Start: 53 @16293 has 18 MA's), (Start: 84 @16338 has 25 MA's), (Start: 109 @16368 has 8 MA's), (164, 16476), (252, 16626), (272, 16674), (323, 16758), (328, 16767), (354, 16809), (468, 16986),

(487, 17019), (508, 17055), (619, 17250), (657, 17322), (658, 17325),

Gene: Wheezy_40 Start: 28862, Stop: 29803, Start Num: 105
Candidate Starts for Wheezy_40:
(Start: 105 @28862 has 26 MA's), (Start: 143 @28949 has 1 MA's), (186, 29024), (227, 29090), (248, 29132), (277, 29189), (411, 29402), (425, 29429), (488, 29540), (549, 29672), (613, 29768),

Gene: Whirlwind_19 Start: 16247, Stop: 17137, Start Num: 89
Candidate Starts for Whirlwind_19:
(Start: 89 @16247 has 84 MA's), (111, 16271), (130, 16316), (137, 16331), (150, 16352), (208, 16448), (299, 16583), (304, 16592), (349, 16652), (350, 16655), (354, 16661), (401, 16733), (417, 16766), (467, 16841), (505, 16916), (525, 16967), (549, 17009), (641, 17120), (643, 17123),

Gene: Whiteclaw_16 Start: 13910, Stop: 14758, Start Num: 166
Candidate Starts for Whiteclaw_16:
(12, 13442), (128, 13823), (Start: 166 @13910 has 45 MA's), (171, 13916), (223, 14000), (255, 14051), (324, 14171), (377, 14258), (379, 14261), (385, 14273), (390, 14282), (402, 14309), (408, 14318), (426, 14339), (540, 14567), (650, 14723), (654, 14729),

Gene: Whitty_18 Start: 16018, Stop: 16983, Start Num: 78
Candidate Starts for Whitty_18:
(Start: 78 @16018 has 8 MA's), (104, 16045), (113, 16063), (216, 16240), (217, 16243), (260, 16318), (299, 16384), (315, 16411), (349, 16468), (354, 16477), (494, 16714), (507, 16738), (555, 16837), (570, 16858), (583, 16879), (610, 16918), (617, 16927),

Gene: WhoseManz_42 Start: 26578, Stop: 27498, Start Num: 109
Candidate Starts for WhoseManz_42:
(Start: 109 @26578 has 8 MA's), (Start: 143 @26659 has 1 MA's), (165, 26704), (212, 26773), (277, 26899), (299, 26941), (356, 27025), (386, 27076), (411, 27109), (488, 27247), (513, 27307), (519, 27325), (549, 27367), (608, 27457), (613, 27463), (625, 27484),

Gene: WideWale_29 Start: 19643, Stop: 20659, Start Num: 90
Candidate Starts for WideWale_29:
(Start: 90 @19643 has 231 MA's), (137, 19718), (149, 19736), (164, 19772), (188, 19811), (299, 19988), (327, 20018), (349, 20057), (350, 20060), (607, 20516), (621, 20540),

Gene: Widow_17 Start: 14300, Stop: 15133, Start Num: 151
Candidate Starts for Widow_17:
(Start: 151 @14300 has 14 MA's), (188, 14369), (248, 14453), (273, 14504), (339, 14612), (399, 14705), (403, 14717), (408, 14723), (453, 14789), (527, 14915), (564, 14942), (566, 14945), (579, 14963), (589, 14978), (615, 15017),

Gene: Wigglewiggle_17 Start: 16106, Stop: 17020, Start Num: 89
Candidate Starts for Wigglewiggle_17:
(Start: 89 @16106 has 84 MA's), (111, 16130), (Start: 124 @16160 has 2 MA's), (197, 16286), (251, 16358), (348, 16511), (349, 16514), (350, 16517), (370, 16547), (405, 16604), (417, 16628), (421, 16634), (467, 16703), (476, 16721), (488, 16742), (513, 16796), (517, 16808), (549, 16871), (641, 17000), (649, 17012),

Gene: Wiks_30 Start: 18958, Stop: 19974, Start Num: 90
Candidate Starts for Wiks_30:
(Start: 90 @18958 has 231 MA's), (Start: 106 @18976 has 6 MA's), (Start: 124 @19012 has 2 MA's), (149, 19051), (208, 19156), (327, 19333), (349, 19372), (350, 19375), (402, 19462), (412, 19483),

(480, 19609), (516, 19681), (607, 19831), (614, 19840), (659, 19921),

Gene: Wilder_17 Start: 16079, Stop: 16993, Start Num: 89
Candidate Starts for Wilder_17:
(Start: 89 @16079 has 84 MA's), (111, 16103), (Start: 124 @16133 has 2 MA's), (197, 16259), (251, 16331), (348, 16484), (349, 16487), (350, 16490), (370, 16520), (405, 16577), (417, 16601), (421, 16607), (467, 16676), (476, 16694), (488, 16715), (513, 16769), (517, 16781), (549, 16844), (641, 16973), (649, 16985),

Gene: William_18 Start: 15832, Stop: 16692, Start Num: 70
Candidate Starts for William_18:
(Start: 70 @15832 has 13 MA's), (Start: 88 @15847 has 1 MA's), (Start: 109 @15877 has 8 MA's), (119, 15898), (161, 15988), (209, 16069), (350, 16273), (352, 16276), (510, 16471), (562, 16561), (594, 16603), (626, 16651), (630, 16657),

Gene: WilliamBoone_47 Start: 28015, Stop: 28902, Start Num: 63
Candidate Starts for WilliamBoone_47:
(Start: 63 @28015 has 10 MA's), (Start: 69 @28021 has 12 MA's), (108, 28069), (120, 28096), (158, 28168), (163, 28183), (288, 28372), (350, 28465), (369, 28489), (376, 28504), (454, 28597), (455, 28600), (495, 28648), (604, 28828), (628, 28864),

Gene: WinkNick_19 Start: 16489, Stop: 17325, Start Num: 166
Candidate Starts for WinkNick_19:
(Start: 166 @16489 has 45 MA's), (Start: 174 @16498 has 36 MA's), (204, 16540), (221, 16573), (228, 16588), (256, 16636), (290, 16699), (292, 16705), (320, 16744), (353, 16798), (379, 16837), (382, 16843), (402, 16879), (426, 16909), (430, 16918), (511, 17068), (629, 17245),

Gene: Winky_17 Start: 16074, Stop: 16988, Start Num: 89
Candidate Starts for Winky_17:
(Start: 89 @16074 has 84 MA's), (111, 16098), (Start: 124 @16128 has 2 MA's), (197, 16254), (251, 16326), (348, 16479), (349, 16482), (350, 16485), (370, 16515), (405, 16572), (417, 16596), (421, 16602), (467, 16671), (476, 16689), (488, 16710), (517, 16776), (549, 16839), (641, 16968), (649, 16980),

Gene: Wintermute_23 Start: 17489, Stop: 18622, Start Num: 24
Candidate Starts for Wintermute_23:
(Start: 24 @17489 has 231 MA's), (29, 17507), (46, 17579), (59, 17609), (120, 17699), (138, 17741), (156, 17765), (214, 17870), (348, 18092), (350, 18098), (454, 18248), (455, 18251), (477, 18269), (495, 18299), (516, 18341), (517, 18344), (539, 18395), (634, 18536), (642, 18551), (658, 18590), (663, 18608),

Gene: Wishmaker_21 Start: 16315, Stop: 17409, Start Num: 49
Candidate Starts for Wishmaker_21:
(Start: 49 @16315 has 22 MA's), (52, 16324), (117, 16420), (Start: 124 @16429 has 2 MA's), (127, 16438), (157, 16489), (159, 16495), (216, 16591), (226, 16609), (258, 16678), (263, 16687), (272, 16708), (276, 16714), (280, 16720), (282, 16723), (323, 16795), (325, 16798), (428, 16954), (460, 17005), (463, 17023), (498, 17095), (510, 17113), (547, 17197), (565, 17224), (567, 17227), (593, 17263), (604, 17281), (634, 17323), (642, 17338), (644, 17341), (656, 17371), (658, 17377),

Gene: Wisp_17 Start: 15521, Stop: 16366, Start Num: 88
Candidate Starts for Wisp_17:
(Start: 66 @15500 has 10 MA's), (Start: 73 @15506 has 24 MA's), (Start: 88 @15521 has 1 MA's), (161, 15662), (209, 15743), (256, 15800), (259, 15809), (280, 15842), (352, 15950), (425, 16034),

(477, 16100), (510, 16145), (562, 16235), (594, 16277), (645, 16358),

Gene: Wizard_30 Start: 25052, Stop: 25996, Start Num: 77
Candidate Starts for Wizard_30:
(Start: 77 @25052 has 34 MA's), (137, 25157), (170, 25226), (175, 25232), (194, 25256), (204, 25271), (443, 25631), (454, 25646), (471, 25664), (520, 25766), (539, 25808), (563, 25844), (624, 25940), (650, 25991),

Gene: Wocket_19 Start: 15980, Stop: 16840, Start Num: 73
Candidate Starts for Wocket_19:
(Start: 66 @15974 has 10 MA's), (Start: 73 @15980 has 24 MA's), (161, 16136), (352, 16424), (425, 16508), (477, 16574), (480, 16580), (562, 16709), (594, 16751),

Gene: Wolpertinger_26 Start: 19733, Stop: 20755, Start Num: 90
Candidate Starts for Wolpertinger_26:
(Start: 90 @19733 has 231 MA's), (Start: 124 @19790 has 2 MA's), (161, 19865), (248, 19994), (281, 20054), (318, 20114), (327, 20120), (350, 20162), (379, 20207), (382, 20213), (428, 20297), (450, 20330), (607, 20612), (614, 20621), (621, 20636), (659, 20702),

Gene: WorldCup_25 Start: 18587, Stop: 19609, Start Num: 90
Candidate Starts for WorldCup_25:
(Start: 90 @18587 has 231 MA's), (Start: 106 @18605 has 6 MA's), (Start: 124 @18641 has 2 MA's), (137, 18662), (149, 18680), (208, 18785), (299, 18932), (327, 18962), (350, 19004), (412, 19109), (432, 19154), (463, 19199), (489, 19250), (492, 19256), (495, 19265), (548, 19379), (583, 19430), (596, 19454), (607, 19466), (659, 19556),

Gene: Wrigley_19 Start: 16522, Stop: 17430, Start Num: 147
Candidate Starts for Wrigley_19:
(Start: 147 @16522 has 26 MA's), (175, 16579), (261, 16714), (273, 16729), (275, 16732), (303, 16783), (387, 16891), (414, 16939), (426, 16963), (437, 16981), (441, 16987), (465, 17023), (533, 17179), (560, 17206), (569, 17218), (578, 17233), (607, 17278), (618, 17296), (623, 17305), (645, 17341), (646, 17344), (660, 17380), (661, 17386), (663, 17392),

Gene: WunderPhul_30 Start: 18958, Stop: 19974, Start Num: 90
Candidate Starts for WunderPhul_30:
(Start: 90 @18958 has 231 MA's), (Start: 106 @18976 has 6 MA's), (Start: 124 @19012 has 2 MA's), (149, 19051), (208, 19156), (327, 19333), (349, 19372), (350, 19375), (402, 19462), (412, 19483), (480, 19609), (516, 19681), (607, 19831), (614, 19840), (659, 19921),

Gene: Wyatt2_17 Start: 15847, Stop: 16746, Start Num: 74
Candidate Starts for Wyatt2_17:
(55, 15811), (Start: 74 @15847 has 10 MA's), (Start: 89 @15865 has 84 MA's), (111, 15889), (Start: 124 @15919 has 2 MA's), (130, 15934), (150, 15967), (251, 16111), (349, 16267), (350, 16270), (354, 16276), (382, 16321), (401, 16348), (421, 16387), (445, 16420), (451, 16429), (467, 16456), (523, 16576), (549, 16624), (613, 16690), (617, 16696), (641, 16735),

Gene: XianYue_27 Start: 19126, Stop: 20139, Start Num: 90
Candidate Starts for XianYue_27:
(Start: 90 @19126 has 231 MA's), (137, 19201), (149, 19219), (164, 19255), (188, 19294), (200, 19309), (281, 19435), (299, 19471), (327, 19501), (349, 19540), (350, 19543), (379, 19588), (499, 19807), (548, 19909), (596, 19984), (607, 19996), (621, 20020),

Gene: Ximenita_22 Start: 15360, Stop: 16499, Start Num: 24

Candidate Starts for Ximenita_22:
(Start: 24 @15360 has 231 MA's), (59, 15480), (120, 15570), (157, 15639), (268, 15840), (300, 15894), (394, 16047), (413, 16065), (477, 16146), (495, 16176), (499, 16185), (516, 16218), (565, 16311), (581, 16335), (634, 16413), (642, 16428), (658, 16467), (663, 16485),

Gene: Y10_23 Start: 17489, Stop: 18622, Start Num: 24
Candidate Starts for Y10_23:
(Start: 24 @17489 has 231 MA's), (29, 17507), (46, 17579), (59, 17609), (120, 17699), (138, 17741), (156, 17765), (214, 17870), (348, 18092), (350, 18098), (454, 18248), (455, 18251), (477, 18269), (495, 18299), (516, 18341), (517, 18344), (539, 18395), (634, 18536), (642, 18551), (658, 18590), (663, 18608),

Gene: Y2_23 Start: 17489, Stop: 18622, Start Num: 24
Candidate Starts for Y2_23:
(Start: 24 @17489 has 231 MA's), (29, 17507), (46, 17579), (59, 17609), (120, 17699), (138, 17741), (156, 17765), (214, 17870), (348, 18092), (350, 18098), (454, 18248), (455, 18251), (477, 18269), (495, 18299), (516, 18341), (517, 18344), (539, 18395), (634, 18536), (642, 18551), (658, 18590), (663, 18608),

Gene: YangYin_17 Start: 15824, Stop: 17002, Start Num: 24
Candidate Starts for YangYin_17:
(4, 15413), (5, 15473), (Start: 24 @15824 has 231 MA's), (Start: 70 @15968 has 13 MA's), (Start: 109 @16019 has 8 MA's), (138, 16085), (140, 16088), (201, 16187), (202, 16190), (214, 16214), (243, 16259), (248, 16265), (358, 16454), (393, 16514), (464, 16622), (471, 16634), (495, 16679), (516, 16721), (619, 16895), (621, 16898), (634, 16916), (653, 16958), (656, 16964),

Gene: YasnayaPolyana_23 Start: 17490, Stop: 18623, Start Num: 24
Candidate Starts for YasnayaPolyana_23:
(Start: 24 @17490 has 231 MA's), (29, 17508), (46, 17580), (59, 17610), (120, 17700), (138, 17742), (156, 17766), (214, 17871), (348, 18093), (350, 18099), (454, 18249), (455, 18252), (477, 18270), (495, 18300), (516, 18342), (517, 18345), (539, 18396), (634, 18537), (642, 18552), (658, 18591), (663, 18609),

Gene: Yecey3_27 Start: 18619, Stop: 19641, Start Num: 90
Candidate Starts for Yecey3_27:
(Start: 90 @18619 has 231 MA's), (Start: 106 @18637 has 6 MA's), (149, 18712), (164, 18748), (281, 18928), (299, 18964), (327, 18994), (350, 19036), (379, 19081), (428, 19174), (432, 19186), (450, 19207), (489, 19282), (607, 19498), (614, 19507),

Gene: Yeet412_16 Start: 13903, Stop: 14751, Start Num: 166
Candidate Starts for Yeet412_16:
(Start: 166 @13903 has 45 MA's), (171, 13909), (255, 14044), (297, 14131), (324, 14164), (377, 14251), (379, 14254), (390, 14275), (402, 14299), (426, 14332), (537, 14554), (540, 14560), (654, 14722),

Gene: Yeezy_19 Start: 16295, Stop: 17122, Start Num: 174
Candidate Starts for Yeezy_19:
(Start: 174 @16295 has 36 MA's), (221, 16370), (287, 16490), (290, 16496), (333, 16562), (340, 16574), (377, 16631), (382, 16640), (402, 16676), (408, 16685), (426, 16706), (477, 16790), (511, 16865), (521, 16886), (605, 17009), (629, 17042),

Gene: Yndexa_42 Start: 28532, Stop: 29452, Start Num: 109
Candidate Starts for Yndexa_42:

(Start: 109 @28532 has 8 MA's), (Start: 143 @28613 has 1 MA's), (165, 28658), (212, 28727), (299, 28895), (356, 28979), (386, 29030), (411, 29063), (513, 29261), (519, 29279), (549, 29321), (608, 29411), (613, 29417), (625, 29438),

Gene: Yogi_22 Start: 15454, Stop: 16326, Start Num: 97
Candidate Starts for Yogi_22:
(Start: 97 @15454 has 85 MA's), (120, 15493), (161, 15574), (163, 15580), (Start: 207 @15649 has 1 MA's), (260, 15727), (277, 15754), (350, 15865), (434, 15961), (548, 16090), (559, 16108), (607, 16177), (668, 16315),

Gene: Yokurt_30 Start: 18958, Stop: 19974, Start Num: 90
Candidate Starts for Yokurt_30:
(Start: 90 @18958 has 231 MA's), (Start: 106 @18976 has 6 MA's), (Start: 124 @19012 has 2 MA's), (149, 19051), (208, 19156), (327, 19333), (349, 19372), (350, 19375), (402, 19462), (412, 19483), (480, 19609), (516, 19681), (607, 19831), (614, 19840), (659, 19921),

Gene: Yoncess_22 Start: 15454, Stop: 16326, Start Num: 97
Candidate Starts for Yoncess_22:
(Start: 97 @15454 has 85 MA's), (120, 15493), (161, 15574), (163, 15580), (Start: 207 @15649 has 1 MA's), (260, 15727), (277, 15754), (350, 15865), (434, 15961), (548, 16090), (559, 16108), (607, 16177), (668, 16315),

Gene: YorkOnyx_34 Start: 28912, Stop: 29868, Start Num: 71
Candidate Starts for YorkOnyx_34:
(Start: 71 @28912 has 52 MA's), (161, 29068), (175, 29098), (183, 29110), (194, 29122), (204, 29137), (210, 29149), (322, 29308), (343, 29344), (381, 29404), (394, 29428), (400, 29440), (443, 29500), (498, 29590), (539, 29680), (554, 29704), (563, 29716), (605, 29782), (616, 29797), (631, 29821), (637, 29833),

Gene: YoureAdopted_21 Start: 15987, Stop: 17123, Start Num: 24
Candidate Starts for YoureAdopted_21:
(Start: 24 @15987 has 231 MA's), (59, 16104), (120, 16194), (129, 16215), (138, 16236), (157, 16263), (300, 16518), (352, 16599), (395, 16674), (413, 16689), (495, 16800), (516, 16842), (565, 16935), (581, 16959), (642, 17052), (658, 17091), (663, 17109),

Gene: Yuna_22 Start: 15278, Stop: 16414, Start Num: 24
Candidate Starts for Yuna_22:
(Start: 24 @15278 has 231 MA's), (59, 15395), (107, 15458), (157, 15554), (214, 15656), (268, 15755), (300, 15809), (352, 15890), (455, 16043), (480, 16067), (516, 16133), (517, 16136), (518, 16139), (565, 16226), (634, 16328), (642, 16343), (658, 16382), (663, 16400),

Gene: YungMoney_32 Start: 26412, Stop: 27344, Start Num: 77
Candidate Starts for YungMoney_32:
(Start: 77 @26412 has 34 MA's), (137, 26508), (170, 26577), (175, 26583), (183, 26595), (187, 26598), (194, 26607), (204, 26622), (322, 26796), (341, 26829), (343, 26832), (428, 26949), (443, 26979), (520, 27114), (534, 27150), (563, 27192), (612, 27267), (624, 27288),

Gene: Yunkel11_22 Start: 15243, Stop: 16379, Start Num: 24
Candidate Starts for Yunkel11_22:
(Start: 24 @15243 has 231 MA's), (59, 15360), (120, 15450), (129, 15471), (157, 15519), (300, 15774), (352, 15855), (395, 15930), (413, 15945), (495, 16056), (516, 16098), (554, 16176), (565, 16191), (581, 16215), (642, 16308), (658, 16347), (663, 16365),

Gene: Yvonnetastic_44 Start: 29619, Stop: 30515, Start Num: 61
Candidate Starts for Yvonnetastic_44:
(Start: 61 @29619 has 2 MA's), (120, 29706), (156, 29772), (161, 29787), (163, 29793), (278, 29964), (316, 30021), (350, 30075), (369, 30099), (445, 30198), (455, 30216), (495, 30264), (510, 30282), (518, 30306), (626, 30474),

Gene: Zabiza_22 Start: 16018, Stop: 17154, Start Num: 24
Candidate Starts for Zabiza_22:
(Start: 24 @16018 has 231 MA's), (59, 16135), (120, 16225), (129, 16246), (138, 16267), (157, 16294), (300, 16549), (352, 16630), (395, 16705), (413, 16720), (495, 16831), (516, 16873), (565, 16966), (581, 16990), (642, 17083), (658, 17122), (663, 17140),

Gene: Zaka_30 Start: 18958, Stop: 19974, Start Num: 90
Candidate Starts for Zaka_30:
(Start: 90 @18958 has 231 MA's), (Start: 106 @18976 has 6 MA's), (Start: 124 @19012 has 2 MA's), (149, 19051), (208, 19156), (327, 19333), (349, 19372), (350, 19375), (402, 19462), (412, 19483), (480, 19609), (516, 19681), (607, 19831), (614, 19840), (659, 19921),

Gene: Zakai_17 Start: 16068, Stop: 16982, Start Num: 89
Candidate Starts for Zakai_17:
(Start: 89 @16068 has 84 MA's), (111, 16092), (Start: 124 @16122 has 2 MA's), (197, 16248), (251, 16320), (348, 16473), (349, 16476), (350, 16479), (370, 16509), (405, 16566), (417, 16590), (421, 16596), (467, 16665), (476, 16683), (488, 16704), (517, 16770), (549, 16833), (641, 16962), (649, 16974),

Gene: Zameen_18 Start: 16949, Stop: 17776, Start Num: 174
Candidate Starts for Zameen_18:
(Start: 174 @16949 has 36 MA's), (210, 17003), (223, 17030), (287, 17144), (290, 17150), (295, 17165), (379, 17288), (402, 17330), (408, 17339), (426, 17360), (477, 17444), (511, 17519), (605, 17663), (629, 17696),

Gene: Zarbodnamra_18 Start: 15786, Stop: 16652, Start Num: 66
Candidate Starts for Zarbodnamra_18:
(Start: 66 @15786 has 10 MA's), (Start: 73 @15792 has 24 MA's), (161, 15948), (209, 16029), (280, 16128), (352, 16236), (425, 16320), (562, 16521), (594, 16563),

Gene: Zaria_17 Start: 15861, Stop: 16760, Start Num: 74
Candidate Starts for Zaria_17:
(Start: 74 @15861 has 10 MA's), (Start: 89 @15879 has 84 MA's), (111, 15903), (Start: 124 @15933 has 2 MA's), (130, 15948), (150, 15981), (251, 16125), (296, 16206), (349, 16281), (350, 16284), (354, 16290), (382, 16335), (401, 16362), (417, 16395), (421, 16401), (445, 16434), (451, 16443), (467, 16470), (523, 16590), (549, 16638), (613, 16704), (617, 16710), (641, 16749),

Gene: Zavala_22 Start: 15992, Stop: 17128, Start Num: 24
Candidate Starts for Zavala_22:
(Start: 24 @15992 has 231 MA's), (59, 16109), (120, 16199), (129, 16220), (138, 16241), (157, 16268), (300, 16523), (352, 16604), (395, 16679), (413, 16694), (495, 16805), (516, 16847), (565, 16940), (581, 16964), (642, 17057), (658, 17096), (663, 17114),

Gene: ZenTime222_18 Start: 16018, Stop: 16983, Start Num: 78
Candidate Starts for ZenTime222_18:
(Start: 78 @16018 has 8 MA's), (104, 16045), (113, 16063), (216, 16240), (217, 16243), (260, 16318), (299, 16384), (315, 16411), (349, 16468), (354, 16477), (494, 16714), (507, 16738), (555, 16837),

(570, 16858), (583, 16879), (610, 16918), (617, 16927),

Gene: ZhongYanYuan_16 Start: 15899, Stop: 16813, Start Num: 89
Candidate Starts for ZhongYanYuan_16:
(Start: 89 @15899 has 84 MA's), (111, 15923), (Start: 124 @15953 has 2 MA's), (164, 16034), (197, 16079), (348, 16304), (349, 16307), (350, 16310), (370, 16340), (405, 16397), (421, 16427), (467, 16496), (476, 16514), (513, 16589), (517, 16601), (549, 16664), (573, 16691), (617, 16754), (641, 16793), (649, 16805),

Gene: ZiggyZoo_17 Start: 15583, Stop: 16443, Start Num: 73
Candidate Starts for ZiggyZoo_17:
(Start: 66 @15577 has 10 MA's), (Start: 73 @15583 has 24 MA's), (161, 15739), (209, 15820), (280, 15919), (352, 16027), (425, 16111), (477, 16177), (510, 16222), (562, 16312), (594, 16354),

Gene: Zilla_18 Start: 15825, Stop: 16670, Start Num: 88
Candidate Starts for Zilla_18:
(Start: 70 @15810 has 13 MA's), (Start: 88 @15825 has 1 MA's), (141, 15927), (161, 15966), (209, 16047), (268, 16131), (280, 16146), (352, 16254), (425, 16338), (477, 16404), (480, 16410), (562, 16539), (581, 16566), (594, 16581),

Gene: Zimmer_29 Start: 21369, Stop: 22385, Start Num: 90
Candidate Starts for Zimmer_29:
(Start: 90 @21369 has 231 MA's), (137, 21444), (149, 21462), (164, 21498), (188, 21537), (327, 21744), (349, 21783), (350, 21786), (607, 22242),

Gene: Zion_33 Start: 28461, Stop: 29327, Start Num: 90
Candidate Starts for Zion_33:
(Start: 90 @28461 has 231 MA's), (110, 28485), (127, 28530), (158, 28590), (180, 28629), (235, 28725), (327, 28887), (345, 28920), (410, 28995), (421, 29019), (522, 29160), (549, 29196), (568, 29223), (603, 29280),

Gene: Zipp_33 Start: 29867, Stop: 30844, Start Num: 84
Candidate Starts for Zipp_33:
(Start: 84 @29867 has 25 MA's), (140, 29954), (158, 29990), (177, 30026), (260, 30182), (262, 30185), (299, 30254), (341, 30317), (348, 30326), (401, 30416), (417, 30449), (419, 30452), (506, 30605), (522, 30647), (532, 30668), (550, 30695), (564, 30716), (570, 30725), (573, 30731), (593, 30764), (594, 30767), (623, 30812), (630, 30821), (640, 30833),

Gene: Zirinka_18 Start: 16952, Stop: 17779, Start Num: 174
Candidate Starts for Zirinka_18:
(Start: 174 @16952 has 36 MA's), (210, 17006), (223, 17033), (287, 17147), (290, 17153), (295, 17168), (379, 17291), (402, 17333), (408, 17342), (477, 17447), (511, 17522), (521, 17543), (605, 17666), (629, 17699),

Gene: Zitch_35 Start: 27751, Stop: 28728, Start Num: 84
Candidate Starts for Zitch_35:
(Start: 84 @27751 has 25 MA's), (135, 27826), (140, 27838), (158, 27874), (177, 27910), (235, 28012), (260, 28066), (299, 28138), (302, 28144), (341, 28201), (348, 28210), (385, 28267), (401, 28300), (417, 28333), (419, 28336), (506, 28489), (518, 28522), (522, 28531), (532, 28552), (550, 28579), (564, 28600), (570, 28609), (573, 28615), (593, 28648), (594, 28651), (630, 28705), (640, 28717),

Gene: ZoMa_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for ZoMa_17:

(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Zodiariah_17 Start: 15097, Stop: 16167, Start Num: 50
Candidate Starts for Zodiariah_17:
(Start: 50 @15097 has 1 MA's), (Start: 54 @15106 has 1 MA's), (117, 15199), (138, 15241), (164, 15289), (258, 15457), (269, 15481), (272, 15487), (313, 15559), (321, 15568), (323, 15571), (428, 15721), (442, 15748), (463, 15790), (490, 15838), (565, 15985), (596, 16030), (598, 16033), (619, 16063), (638, 16093), (642, 16099), (657, 16135), (658, 16138),

Gene: ZoeJ_18 Start: 13830, Stop: 14957, Start Num: 26
Candidate Starts for ZoeJ_18:
(Start: 26 @13830 has 11 MA's), (29, 13839), (59, 13941), (120, 14031), (138, 14073), (140, 14076), (157, 14100), (213, 14199), (251, 14262), (268, 14301), (300, 14355), (350, 14433), (394, 14508), (455, 14586), (477, 14604), (495, 14634), (516, 14676), (517, 14679), (565, 14769), (581, 14793), (634, 14871), (642, 14886), (658, 14925), (663, 14943),

Gene: Zolita_22 Start: 18827, Stop: 19840, Start Num: 97
Candidate Starts for Zolita_22:
(Start: 97 @18827 has 85 MA's), (149, 18923), (163, 18956), (164, 18959), (188, 18998), (217, 19046), (327, 19199), (336, 19217), (350, 19241), (377, 19283), (536, 19595), (607, 19697), (623, 19724),

Gene: Zombie_17 Start: 15477, Stop: 16649, Start Num: 24
Candidate Starts for Zombie_17:
(5, 15144), (Start: 24 @15477 has 231 MA's), (59, 15597), (Start: 70 @15615 has 13 MA's), (107, 15660), (Start: 109 @15666 has 8 MA's), (137, 15729), (159, 15765), (201, 15834), (202, 15837), (213, 15858), (248, 15912), (268, 15957), (289, 15987), (350, 16089), (358, 16101), (368, 16113), (377, 16131), (477, 16296), (495, 16326), (508, 16344), (516, 16368), (583, 16488), (642, 16578), (656, 16611),

Gene: Zulu_30 Start: 18957, Stop: 19973, Start Num: 90
Candidate Starts for Zulu_30:
(Start: 90 @18957 has 231 MA's), (Start: 106 @18975 has 6 MA's), (Start: 124 @19011 has 2 MA's), (149, 19050), (208, 19155), (327, 19332), (349, 19371), (350, 19374), (402, 19461), (412, 19482), (480, 19608), (516, 19680), (607, 19830), (614, 19839), (659, 19920),