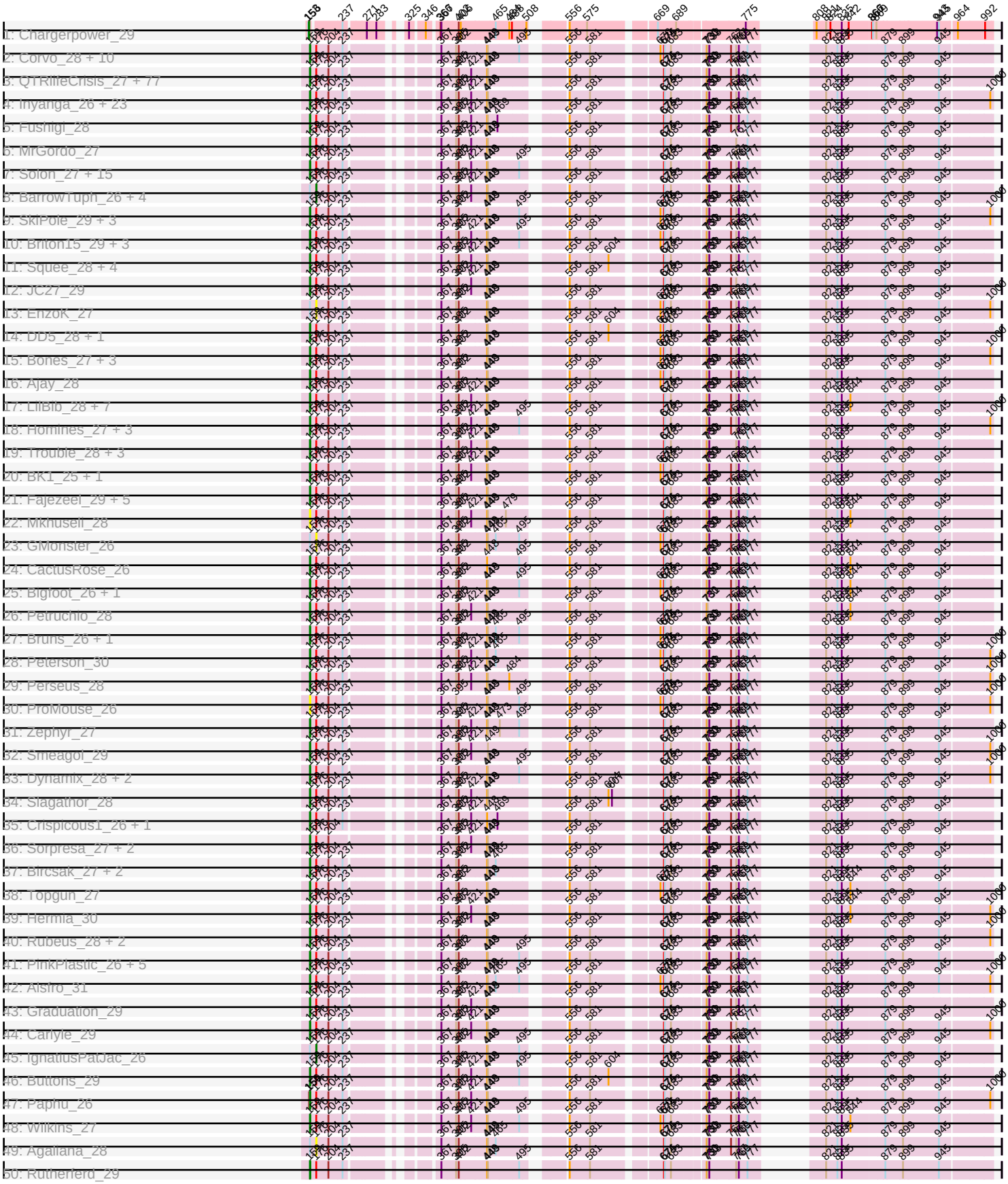
Pham 215632


1: Chargerpower_29
2: Corvo_28 + 10
3: QTRifleCrisis_27 + 77
4: Inyanga_26 + 23
5: Fushigi_28
6: MrGordo_27
7: Solon_27 + 15
8: BarrowTuph_26 + 4
9: SkiPole_29 + 3
10: Briton15_29 + 3
11: Squee_28 + 4
12: JC27_29
13: EnzoK_27
14: DD5_28 + 1
15: Bones_27 + 3
16: Ajay_28
17: LilBib_28 + 7
18: Homines_27 + 3
19: Trouble_28 + 3
20: BK1_25 + 1
21: Fajezeel_29 + 5
22: Mkhusell_28
23: GMonster_26
24: CactusRose_26
25: Bigfoot_26 + 1
26: Petruchio_28
27: Bruns_26 + 1
28: Peterson_30
29: Perseus_28
30: ProMouse_26
31: Zephyr_27
32: Smeagol_29
33: Dynamix_28 + 2
34: Slagathor_28
35: Crispicous1_26 + 1
36: Sorpresa_27 + 2
37: Bircsak_27 + 2
38: Topgun_27
39: Hermia_30
40: Rubeus_28 + 2
41: PinkPlastic_26 + 5
42: Alsiro_31
43: Graduation_29
44: Carlyle_29
45: IgnatiusPatJac_26
46: Buttons_29
47: Paphu_26
48: Wilkins_27
49: Agaliana_28
50: Ruthenerd_29

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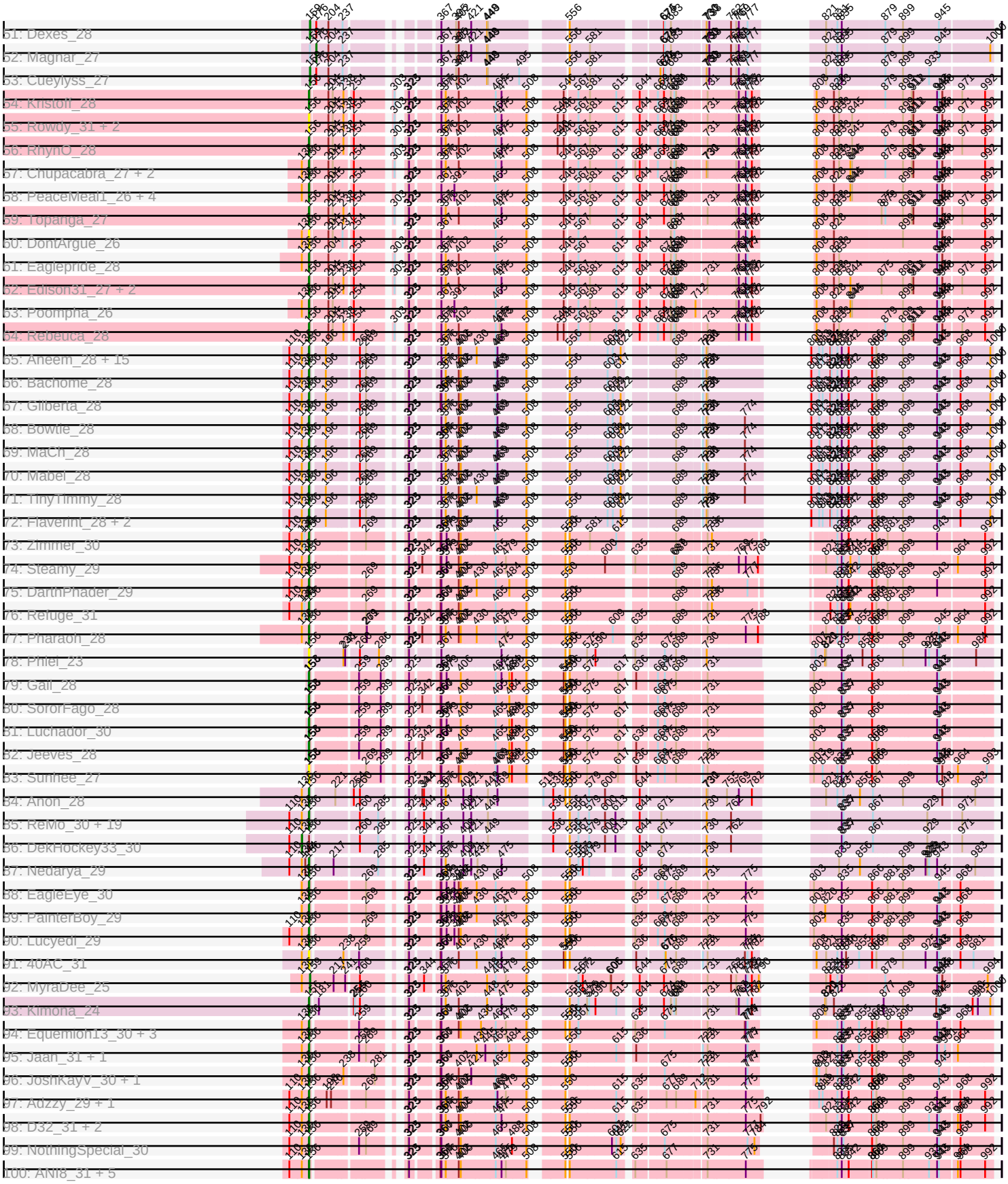

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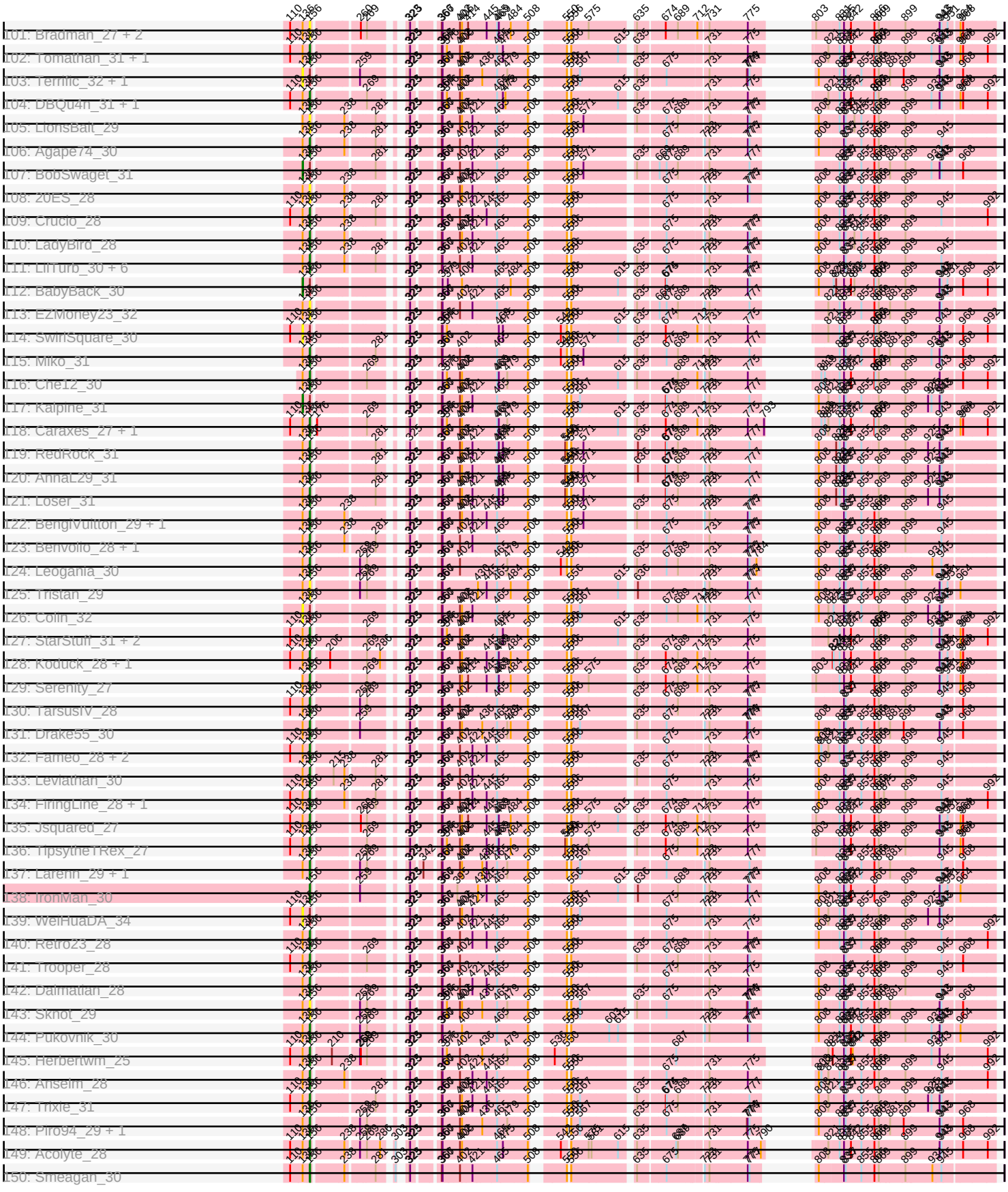
I01: Bradman_27 + 2
I02: Tomathan_31 + 1
I03: Terrific_32 + 1
I04: DBQu4n_31 + 1
I05: LionsBait_29
I06: Agape74_30
I07: BobSwaget_31
I08: 20ES_28
I09: Crucio_28
I10: LadyBird_28
I11: LilTurb_30 + 6
I12: BabyBack_30
I13: EZMoney23_32
I14: SwimSquare_30
I15: Miko_31
I16: Che12_30
I17: Kalpine_31
I18: Caraxes_27 + 1
I19: RedRock_31
I20: AnnaL29_31
I21: Loser_31
I22: BengtVuitton_29 + 1
I23: Benvolio_28 + 1
I24: Leogania_30
I25: Tristan_29
I26: Colin_32
I27: StarStuff_31 + 2
I28: Kodiack_28 + 1
I29: Serenity_27
I30: TarsusIV_28
I31: Drake55_30
I32: Fameo_28 + 2
I33: Leviathan_30
I34: FiringLine_28 + 1
I35: Jsquared_27
I36: TipsytheTRex_27
I37: Larenn_29 + 1
I38: IronMan_30
I39: WeiHuaDA_34
I40: Retro23_28
I41: Trooper_28
I42: Dalmatian_28
I43: Sknot_29
I44: Pukovnik_30
I45: Herbertwm_25
I46: Anselm_28
I47: Trixie_31
I48: Piro94_29 + 1
I49: Acolyte_28
I50: Smeagan_30

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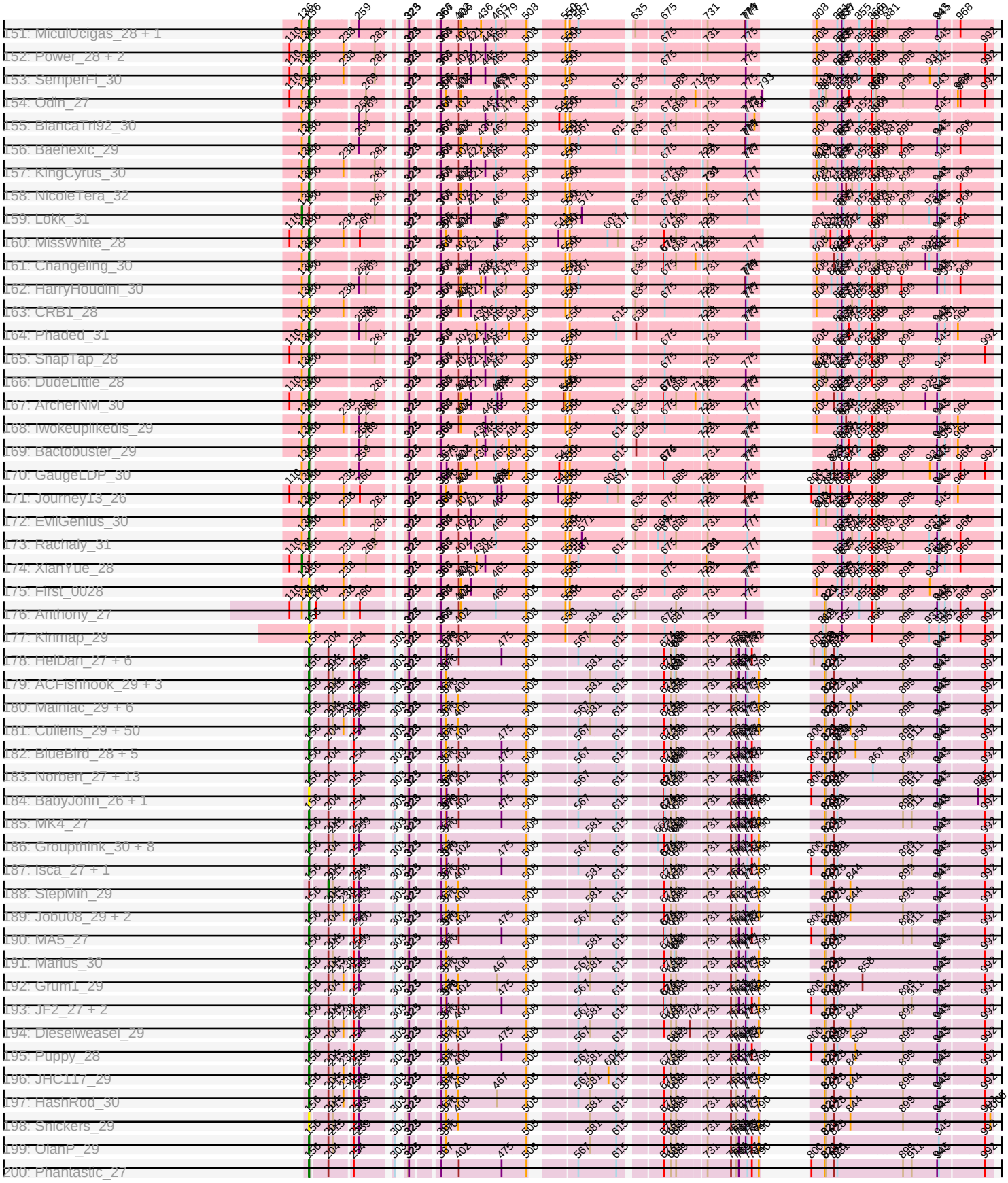
151: MiculOcigas_28 + 1
152: Power_28 + 2
153: SemperFi_30
154: Odin_27
155: Bianca1ri92_30
156: Baehexic_29
157: KingCyrus_30
158: NicoleTera_32
159: Lokk_31
160: MissWhite_28
161: Changeling_30
162: HarryHoudini_30
163: CRB1_28
164: Phaded_31
165: SnapTap_28
166: DudeLittle_28
167: ArcherNM_30
168: Iwokeuplikedis_29
169: Bactobuster_29
170: GaugeLDP_30
171: Journey13_26
172: EvilGenius_30
173: Rachaly_31
174: XianYue_28
175: First_0028
176: Anthony_27
177: Kinmap_29
178: HelDan_27 + 6
179: ACFishhook_29 + 3
180: Maniac_29 + 6
181: Cullens_29 + 50
182: BlueBird_28 + 5
183: Norbert_27 + 13
184: BabyJohn_26 + 1
185: MK4_27
186: Groupthink_30 + 8
187: Isca_27 + 1
188: StepMin_29
189: Jobu08_29 + 2
190: MA5_27
191: Manus_30
192: Grum1_29
193: JF2_27 + 2
194: Dieselweasel_29
195: Puppy_28
196: JHC117_29
197: HashRod_30
198: Snickers_29
199: OlanP_29
200: Phantastic_27

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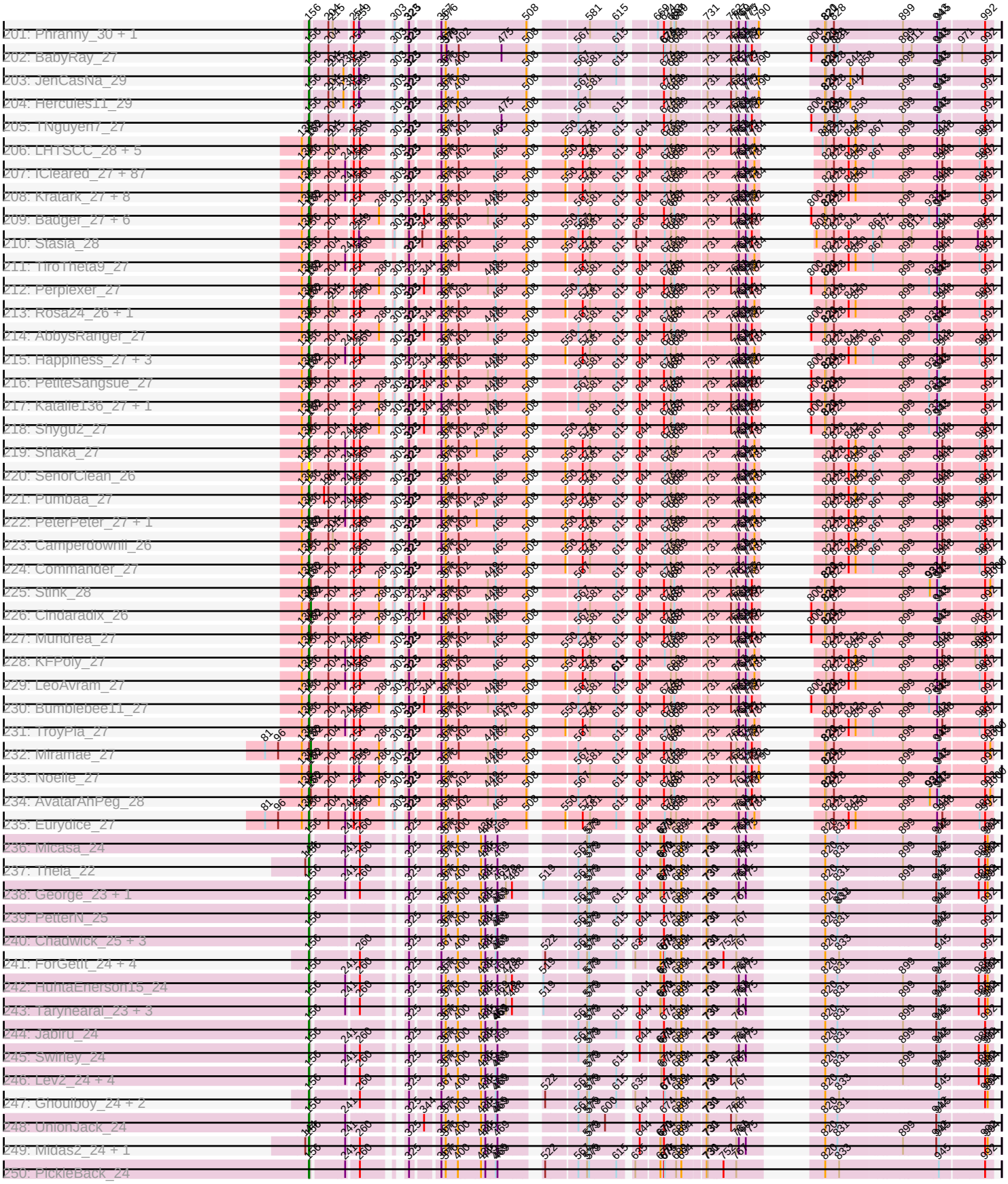
201: Phranny_30 + 1
202: BabyRay_27
203: JenCasNa_29
204: Hercules11_29
205: TNguyen7_27
206: LHTSCC_28 + 5
207: ICleared_27 + 87
208: Kratark_27 + 8
209: Badger_27 + 6
210: Stasia_28
211: TiroTheta9_27
212: Perplexer_27
213: Rosa24_26 + 1
214: AbbysRanger_27
215: Happiness_27 + 3
216: PetiteSangsue_27
217: Katalie136_27 + 1
218: Shygu2_27
219: Shaka_27
220: SeñorClean_26
221: Pumbaa_27
222: PeterPeter_27 + 1
223: Camperdownii_26
224: Commander_27
225: Stink_28
226: Cindaradix_26
227: Mundrea_27
228: KFPoly_27
229: LeoAvram_27
230: Bumblebee11_27
231: TroyPia_27
232: Miramae_27
233: Noelle_27
234: AvatarAnPeg_28
235: Eurydice_27
236: Micasa_24
237: Thela_22
238: George_23 + 1
239: PetterN_25
240: Chadwick_25 + 3
241: ForGetIt_24 + 4
242: HuntaEmerson15_24
243: Tarynearar_23 + 3
244: Jabiru_24
245: Swiney_24
246: Lev2_24 + 4
247: Ghoulboy_24 + 2
248: UnionJack_24
249: Midas2_24 + 1
250: PickleBack_24

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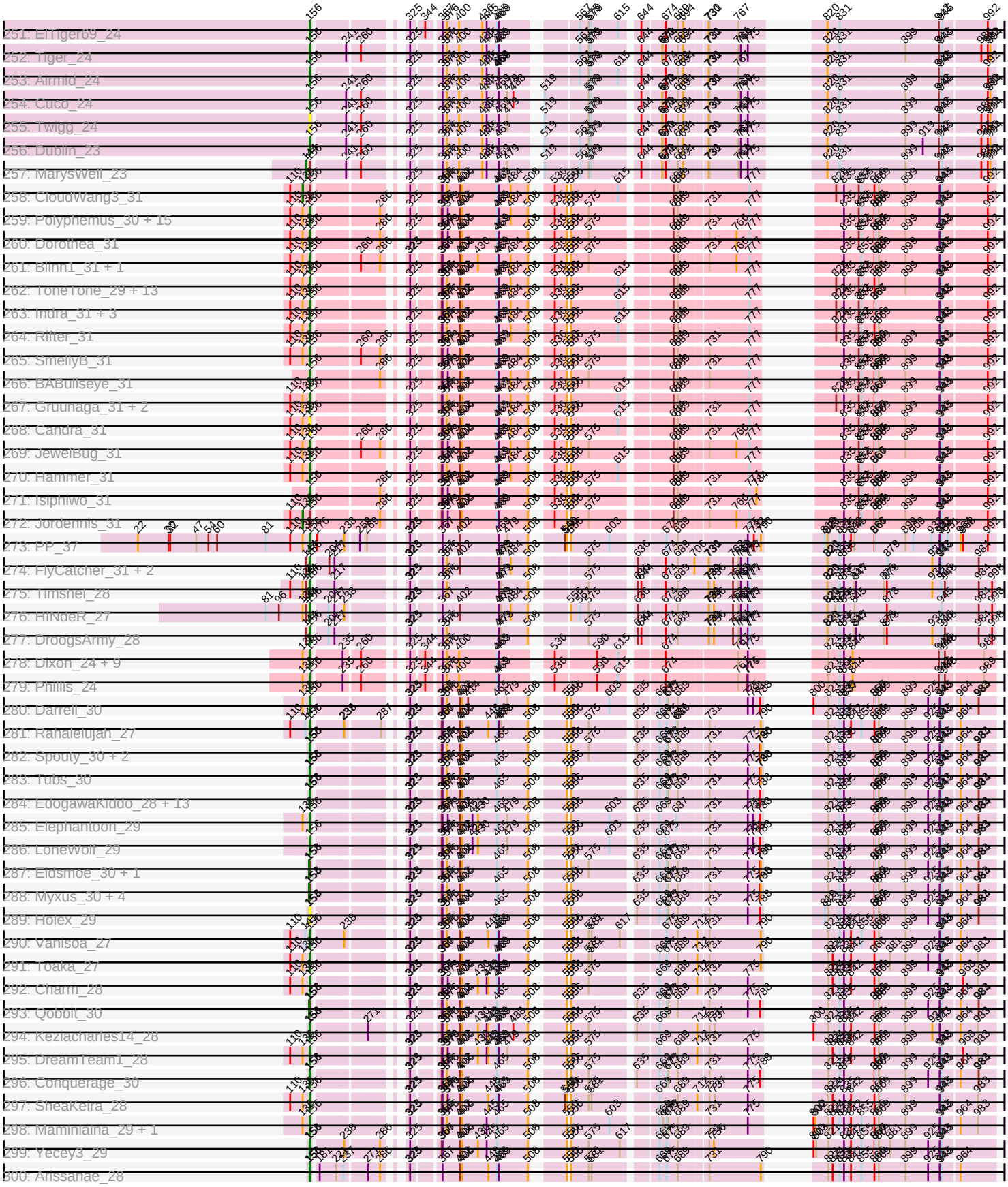

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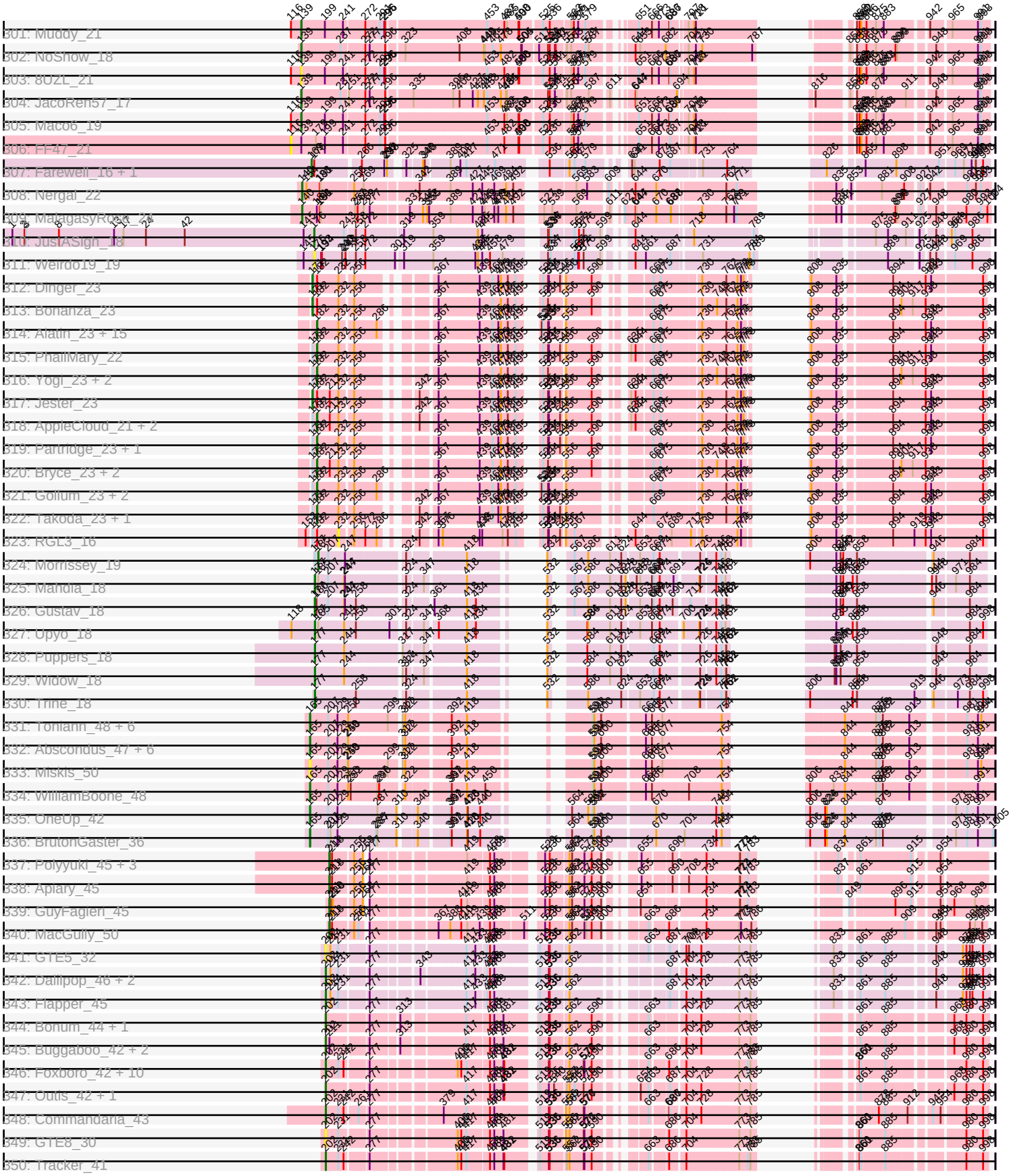
301: Muddy_21
302: NoSnow_18
303: 8UZL_21
304: JacoRen57_17
305: Mac06_19
306: FF47_21
307: Farewell_16 + 1
308: Nergal_22
309: MalagasyRose_21
310: JustASign_18
311: Weirdo19_19
312: Dinger_23
313: Bonanza_23
314: Aiatin_23 + 15
315: PhallMary_22
316: Yogi_23 + 2
317: Jester_23
318: AppleCloud_21 + 2
319: Partridge_23 + 1
320: Bryce_23 + 2
321: Gollum_23 + 2
322: Takoda_23 + 1
323: RGL3_16
324: Morrissey_19
325: Mandia_18
326: Gustav_18
327: Opyo_18
328: Puppers_18
329: Widow_18
330: Trine_18
331: Tonlann_48 + 6
332: Abscondus_47 + 6
333: Miskis_50
334: WilliamBoone_48
335: OneUp_42
336: BrutonGaster_36
337: Polyyuki_45 + 3
338: Apiary_45
339: GuyFagien_45
340: MacGully_50
341: GTE5_32
342: Dallpop_46 + 2
343: Flapper_45
344: Bonum_44 + 1
345: Buggaboo_42 + 2
346: Foxboro_42 + 10
347: Outis_42 + 1
348: Commandaria_43
349: GTE8_30
350: Tracker_41

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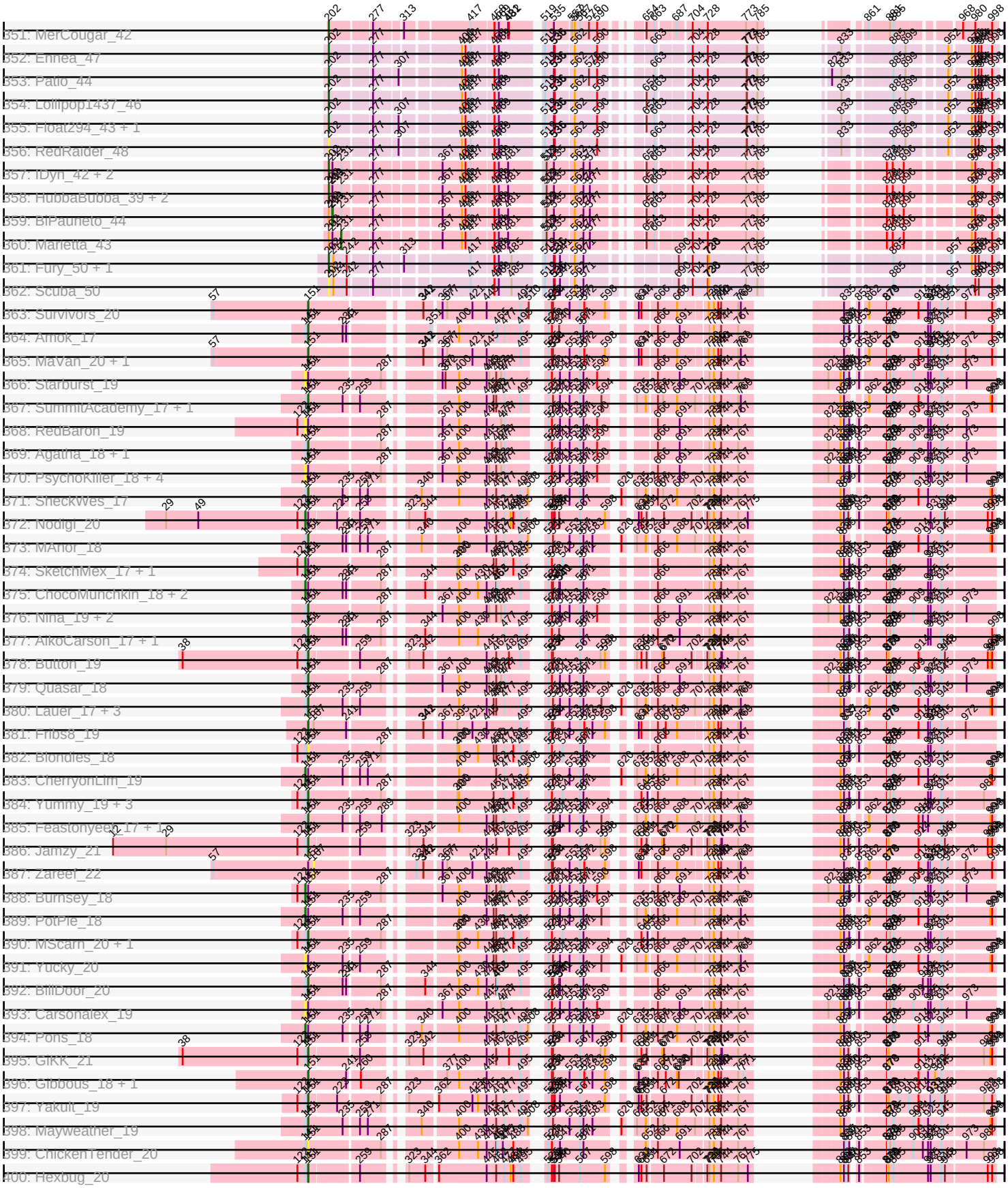
351: MerCougar_42
352: Ennea_47
353: Patio_44
354: Lollipop1437_46
355: Float294_43 + 1
356: RedRaider_48
357: IDyn_42 + 2
358: HubbaBubba_39 + 2
359: BiPauneto_44
360: Marietta_43
361: Fury_50 + 1
362: Scuba_50
363: Survivors_20
364: Amok_17
365: MaVan_20 + 1
366: Starburst_19
367: SummitAcademy_17 + 1
368: RedBaron_19
369: Agatha_18 + 1
370: PsychoKiller_18 + 4
371: SheckWes_17
372: Nodigi_20
373: MAnor_18
374: SketchMex_17 + 1
375: ChocoMunchkin_18 + 2
376: Nina_19 + 2
377: AlkoCarson_17 + 1
378: Button_19
379: Quasar_18
380: Lauer_17 + 3
381: Fribs8_19
382: Blondies_18
383: CherryonTim_19
384: Yummy_19 + 3
385: Feastonyeet_17 + 1
386: Jamzy_21
387: Zareel_22
388: Burnsey_18
389: PotPie_18
390: MScarn_20 + 1
391: Yucky_20
392: BillDoor_20
393: Carsonalex_19
394: Pons_18
395: GiKK_21
396: Gibbous_18 + 1
397: Yakult_19
398: Mayweather_19
399: ChickenTender_20
400: Hexbug_20

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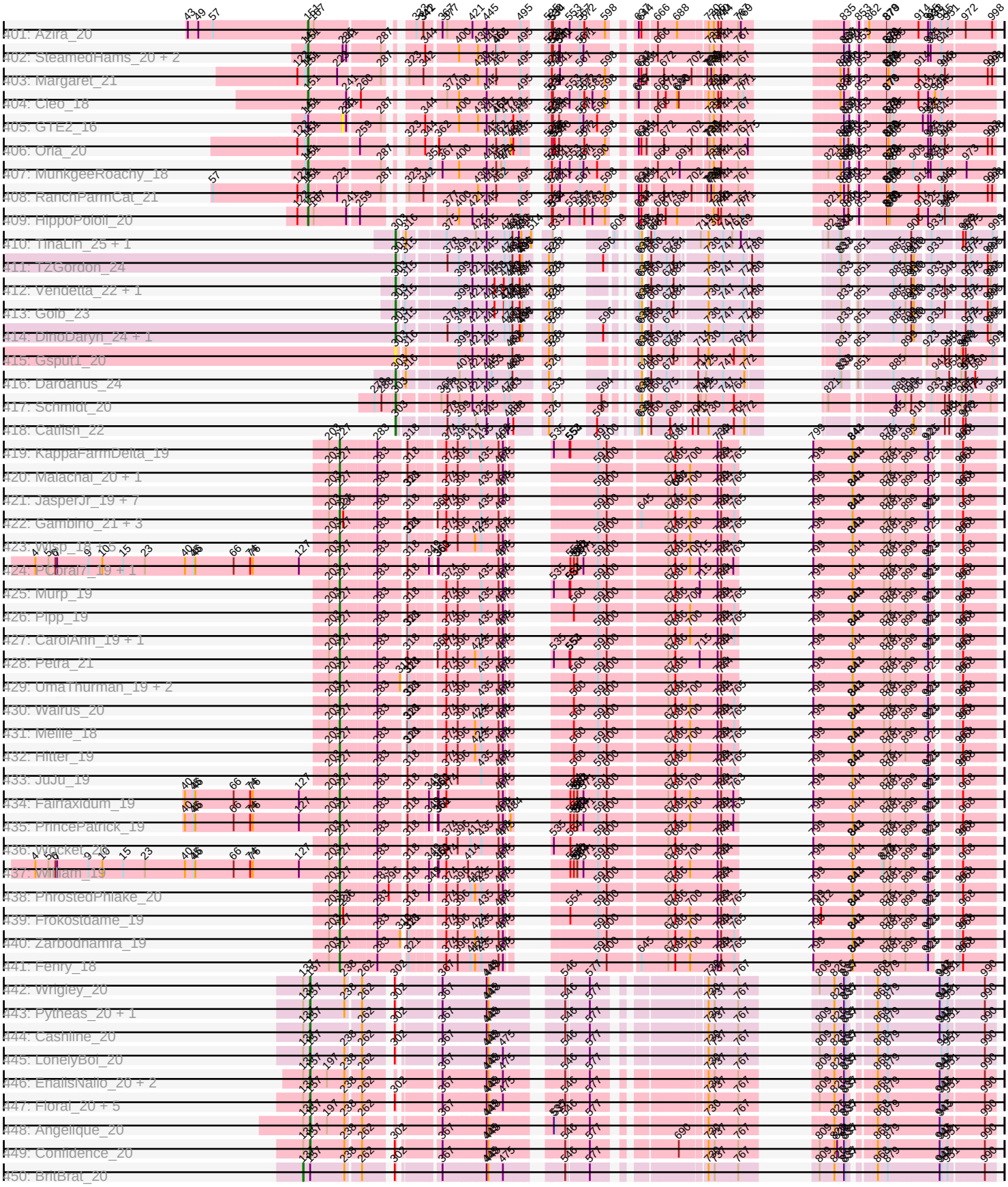

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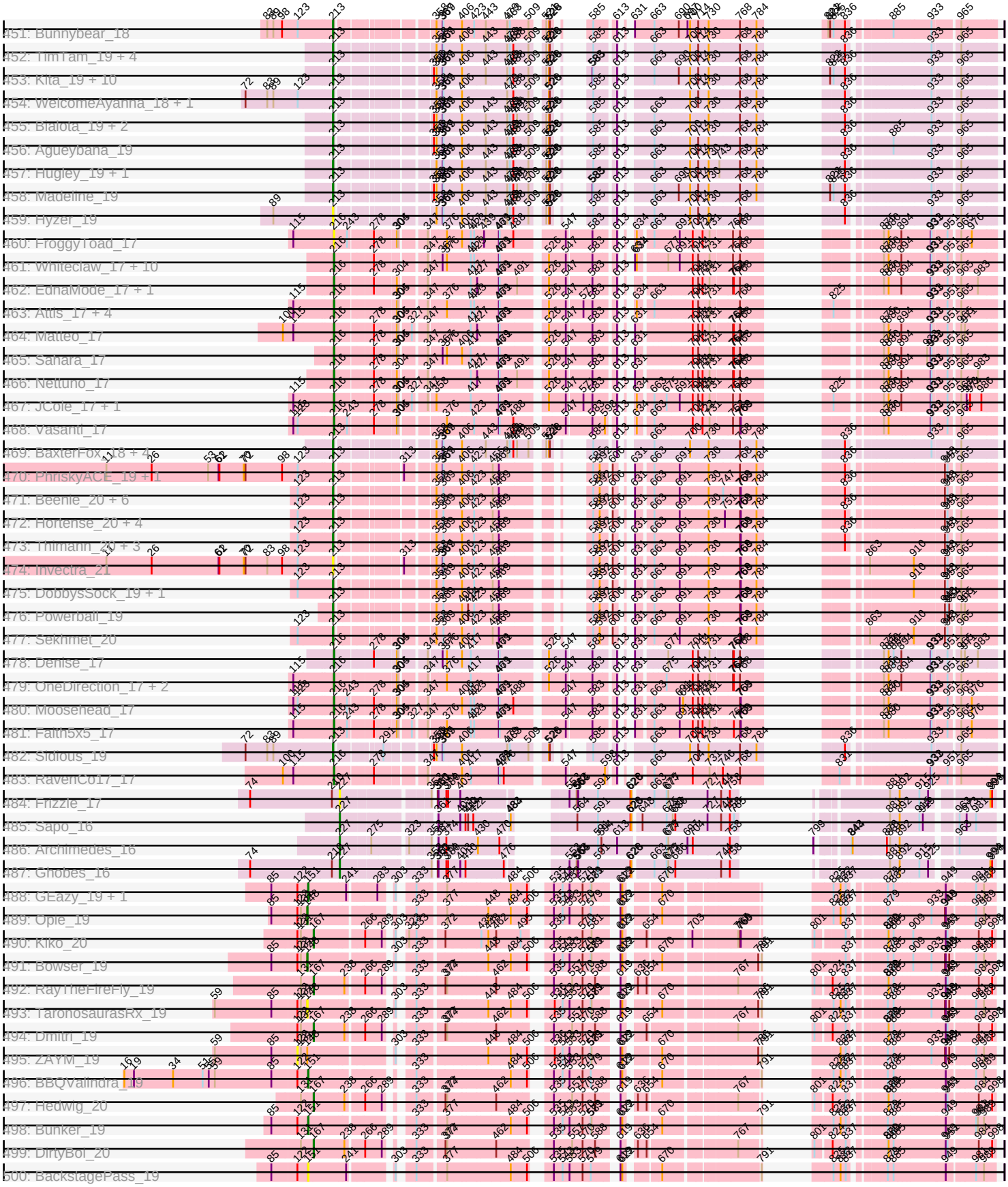
451: Bunnybear_18
452: TimTam_19 + 4
453: Kita_19 + 10
454: WelcomeAyanna_18 + 1
455: Blalota_19 + 2
456: Agueybana_19
457: Hugley_19 + 1
458: Madeline_19
459: Ryzer_19
460: FroggyToad_17
461: Whiteclaw_17 + 10
462: EdnaMode_17 + 1
463: Attis_17 + 4
464: Matteo_17
465: Sahara_17
466: Neptuno_17
467: JCole_17 + 1
468: Vasanti_17
469: BaxterFox_18 + 4
470: PhriskyACE_19 + 1
471: Beenie_20 + 6
472: Hortense_20 + 4
473: Thimann_20 + 3
474: Invectra_21
475: DobbysSock_19 + 1
476: Powerball_19
477: Sekhmet_20
478: Denise_17
479: OneDirection_17 + 2
480: Moosehead_17
481: Faith5x5_17
482: Sidious_19
483: RavenCo17_17
484: Frizzle_17
485: Sapo_16
486: Archimedes_16
487: Ghobes_16
488: GEazy_19 + 1
489: Opie_19
490: Kiko_20
491: Bowser_19
492: RayTheFireFly_19
493: TaronosaurasRx_19
494: Dmitri_19
495: ZAYM_19
496: BBQValhndra_19
497: Hedwig_20
498: Bunker_19
499: DirtyBoi_20
500: BackstagePass_19

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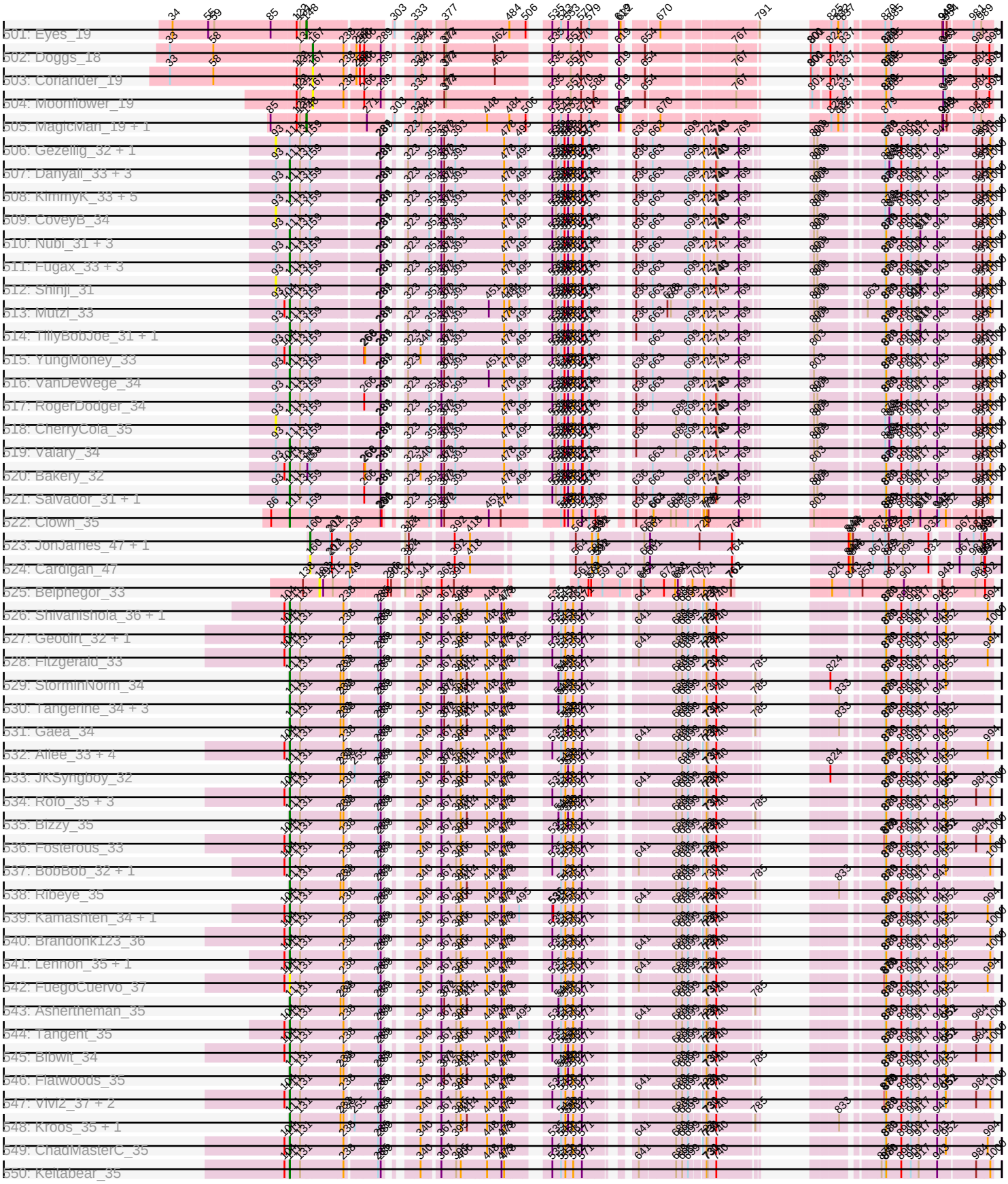

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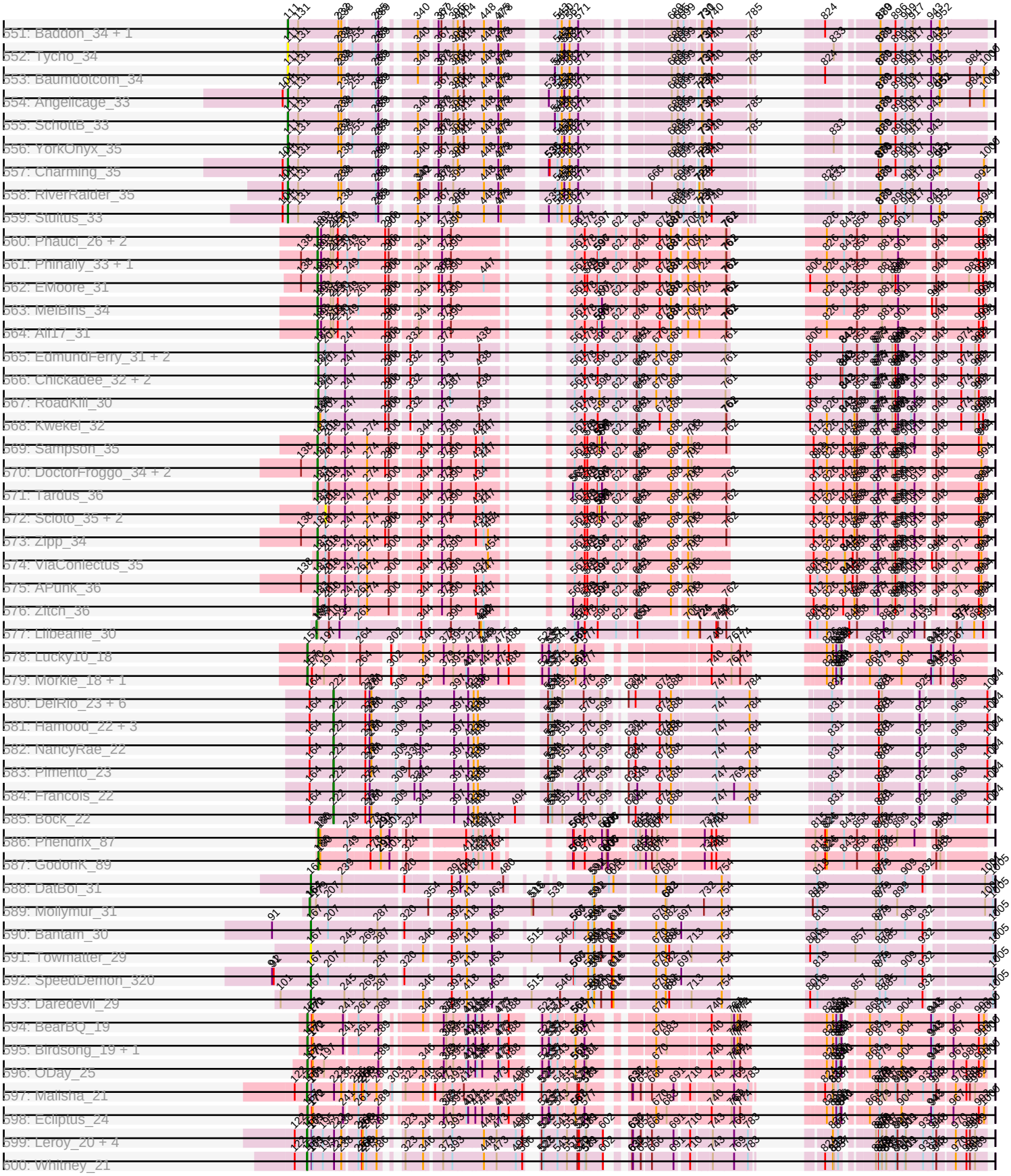
551: Baddon_34 + 1
552: Tycho_34
553: Baumdotcom_34
554: Angelicage_33
555: ScHottB_33
556: YorkOnyx_35
557: Charming_35
558: RiverRaider_35
559: Stultus_33
560: Phauci_26 + 2
561: Phinally_33 + 1
562: EMoore_31
563: MelBins_34
564: Alf17_31
565: EdmundFerry_31 + 2
566: Chickadee_32 + 2
567: RoadKill_30
568: Kwekel_32
569: Sampson_35
570: DoctorFroggo_34 + 2
571: Tardus_36
572: Scioto_35 + 2
573: Zipp_34
574: ViaConiectus_35
575: APunk_36
576: Zitch_36
577: Lilbeanie_30
578: Lucky10_18
579: Morkie_18 + 1
580: DelRio_23 + 6
581: Hamood_22 + 3
582: NancyRae_22
583: Pimento_23
584: Francois_22
585: Bock_22
586: Phendrix_87
587: GodonK_89
588: DatBoi_31
589: Mollymur_31
590: Bantam_30
591: Towmatter_29
592: SpeedDemon_320
593: Daredevil_29
594: BearBQ_19
595: Birdsong_19 + 1
596: ODay_25
597: Mallsha_21
598: Ecliptus_24
599: Leroy_20 + 4
600: Whitney_21

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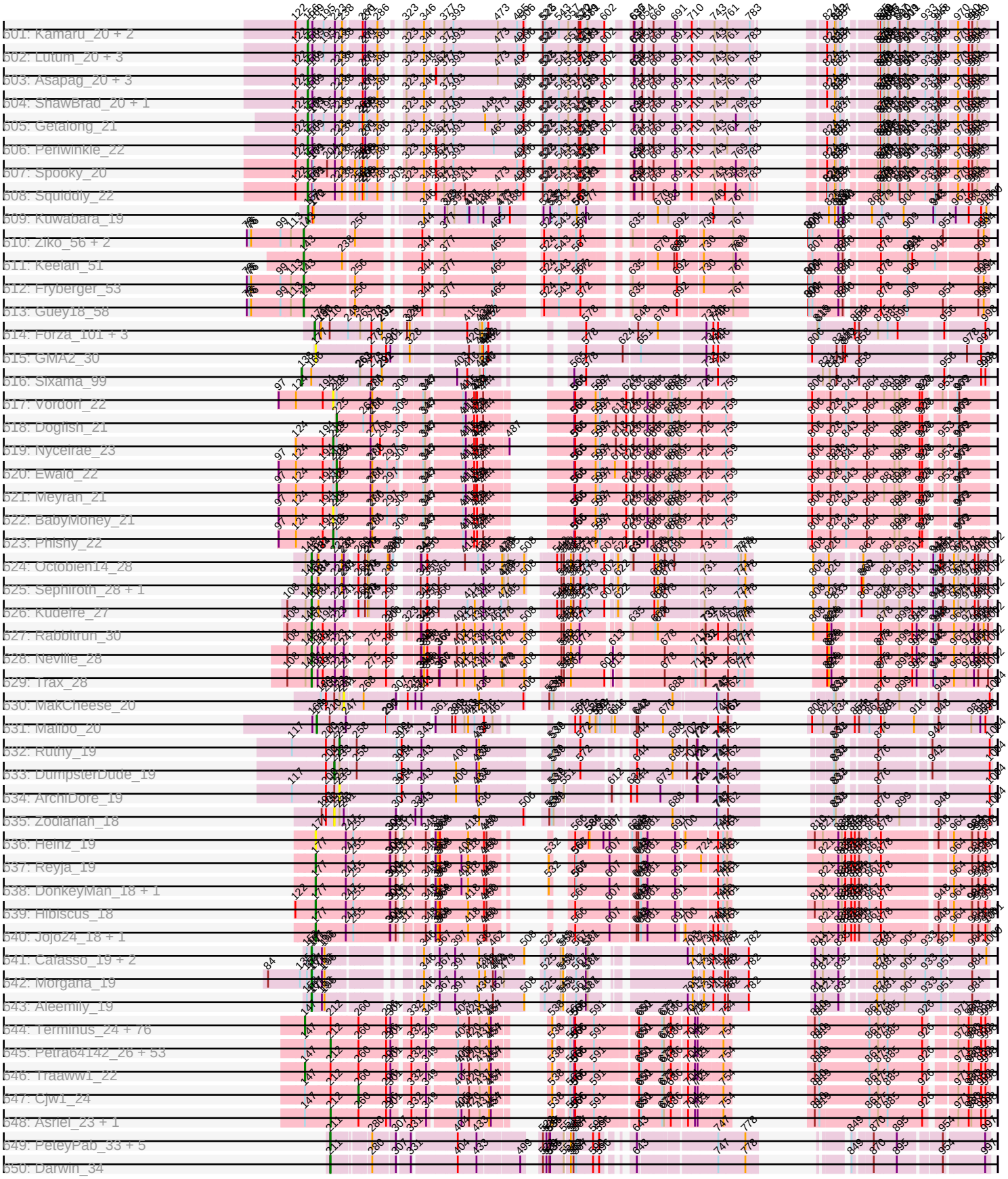
601: Kamaru_20 + 2
602: Lutum_20 + 3
603: Asapag_20 + 3
604: ShawBrad_20 + 1
605: Getalong_21
606: Periwinkle_22
607: Spooky_20
608: Squiddly_22
609: Kuwabara_19
610: Ziko_56 + 2
611: Keelan_51
612: Fryberger_53
613: Guey18_58
614: Forza_101 + 3
615: GMA2_30
616: Sixama_99
617: Vordon_22
618: Dogfish_21
619: Nycelrae_23
620: Ewald_22
621: Meyran_21
622: BabyMoney_21
623: Phishy_22
624: Octobien14_28
625: Sephiroth_28 + 1
626: Kudeire_27
627: Rabbitrun_30
628: Neville_28
629: Trax_28
630: MakCheese_20
631: Malibo_20
632: Ruthy_19
633: DumpsterDude_19
634: ArchiDore_19
635: Zodiarian_18
636: Heinz_19
637: Reyja_19
638: DonkeyMan_18 + 1
639: Hibiscus_18
640: Jojo24_18 + 1
641: Calasso_19 + 2
642: Morgana_19
643: Aleemily_19
644: Terminus_24 + 76
645: Petra64142_26 + 53
646: Traaww1_22
647: Cjw1_24
648: Asriel_23 + 1
649: PeteyPab_33 + 5
650: Darwin_34

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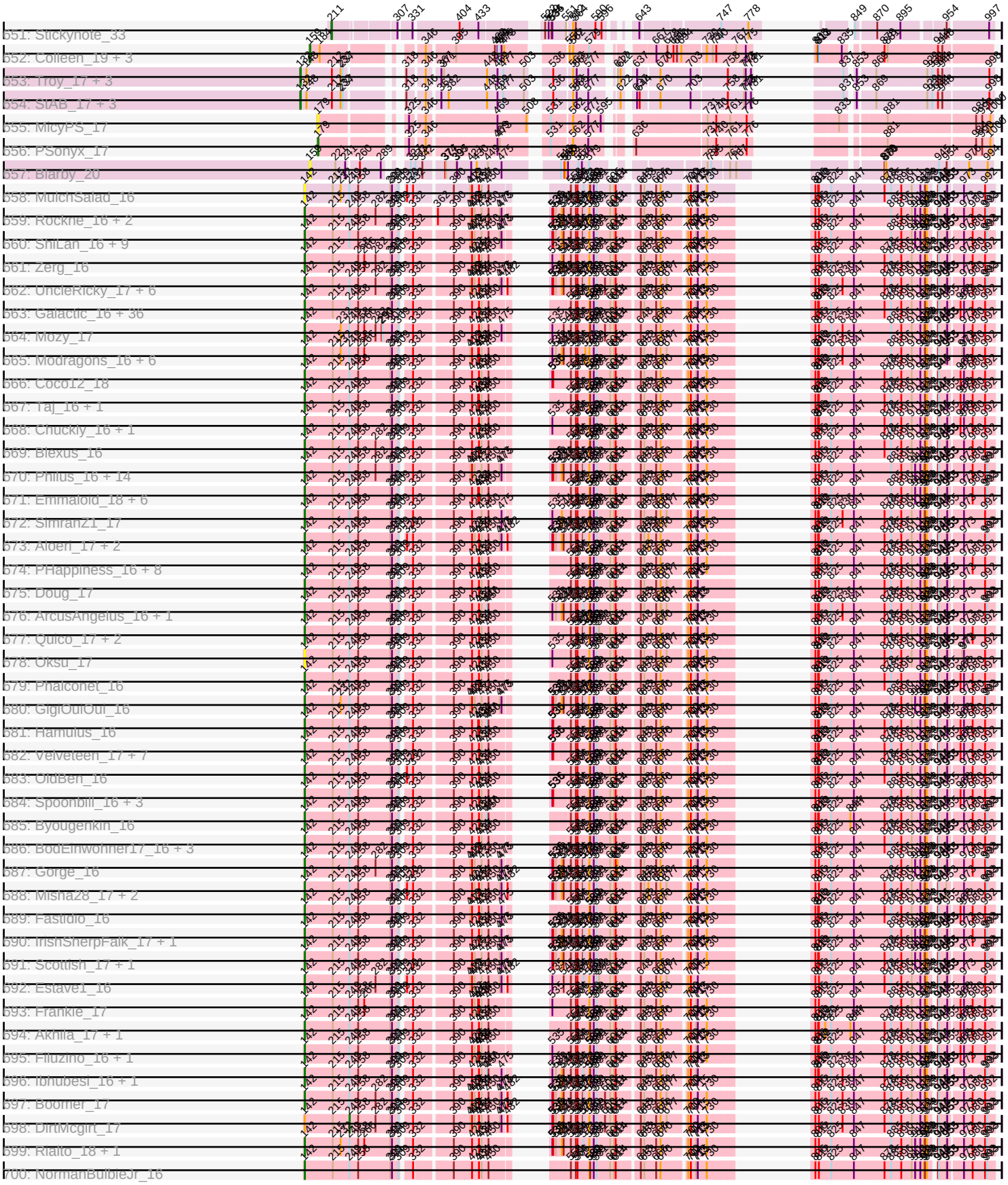
651: Stickynote_33
652: Colleen_19 + 3
653: Troy_17 + 3
654: StAB_17 + 3
655: MicyPS_17
656: PSonyx_17
657: Blarby_20
658: MulchSalad_16
659: Rockne_16 + 2
660: ShiLan_16 + 9
661: Zerg_16
662: UncleRicky_17 + 6
663: Galactic_16 + 36
664: Mozy_17
665: Modragons_16 + 6
666: Coco12_18
667: Taj_16 + 1
668: Chuckly_16 + 1
669: Blexus_16
670: Philus_16 + 14
671: Emmaloid_18 + 6
672: SimranZ1_17
673: Aiden_17 + 2
674: PHappiness_16 + 8
675: Doug_17
676: ArcusAngelus_16 + 1
677: Quico_17 + 2
678: Oksu_17
679: Phalconet_16
680: GigiOuiOui_16
681: Hamulus_16
682: Velveteen_17 + 7
683: OldBen_16
684: Spoonbill_16 + 3
685: Byougenkin_16
686: BodEinwohner17_16 + 3
687: Gorge_16
688: Misha28_17 + 2
689: Fastidio_16
690: IrishSherpFalk_17 + 1
691: Scottish_17 + 1
692: Estave1_16
693: Frankie_17
694: Akhila_17 + 1
695: Filuzino_16 + 1
696: Ishubesi_16 + 1
697: Boomer_17
698: DirtMcgirt_17
699: Rialto_18 + 1
700: NormanBubbleJr_16

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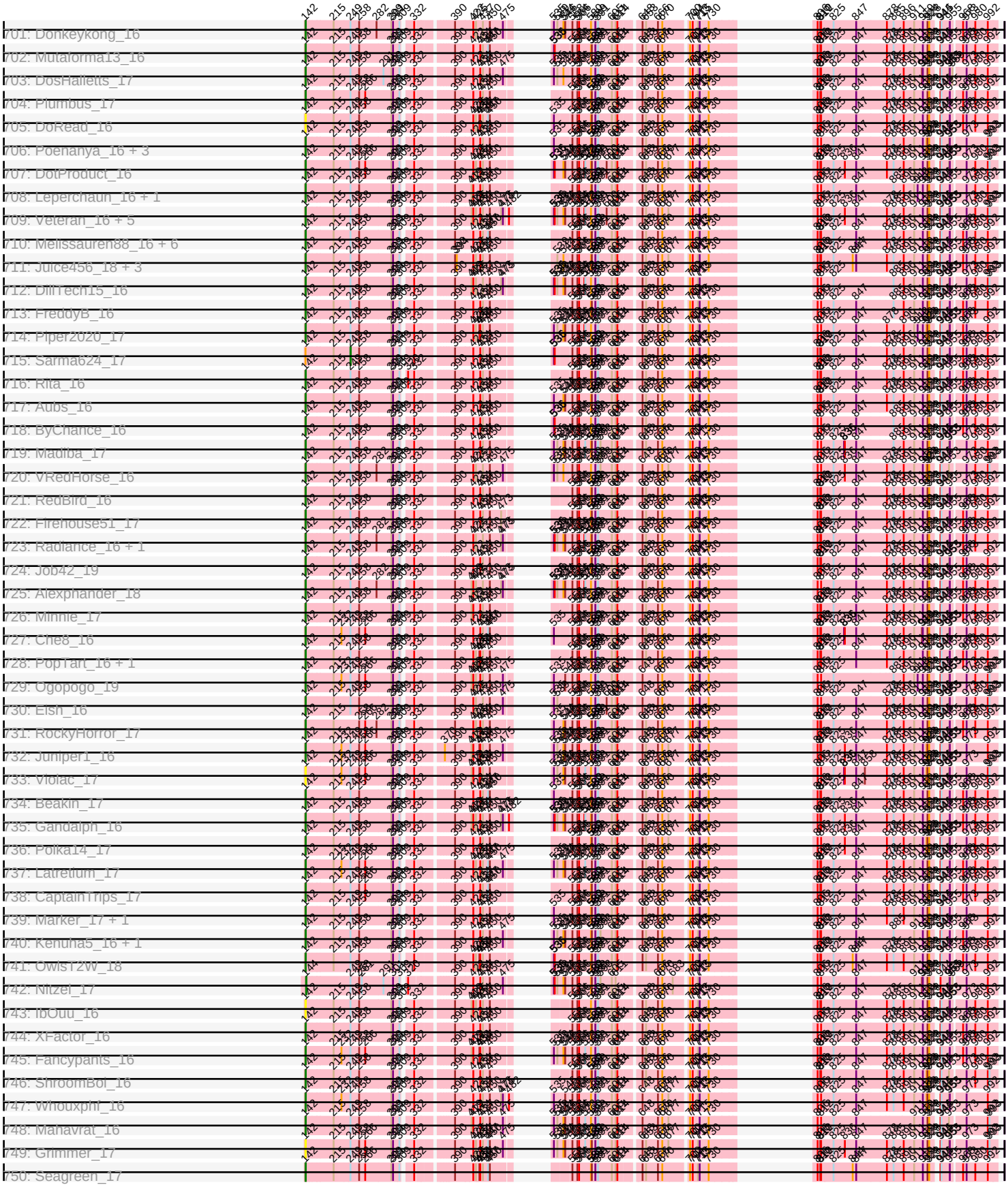
701: Donkeykong_16
702: Mutaforma13_16
703: DosHalletts_17
704: Plumbus_17
705: DoRead_16
706: Poehanya_16 + 3
707: DotProduct_16
708: Leperchaun_16 + 1
709: Veteran_16 + 5
710: Melissaureen88_16 + 6
711: Juice456_18 + 3
712: DillTech15_16
713: FreddyB_16
714: Piper2020_17
715: Sarma624_17
716: Rita_16
717: Aubs_16
718: ByChance_16
719: Madiba_17
720: VRedHorse_16
721: RedBird_16
722: Firehouse51_17
723: Radiance_16 + 1
724: Job42_19
725: Alexphander_18
726: Minnie_17
727: Che8_16
728: PopTart_16 + 1
729: Ogopogo_19
730: Elsh_16
731: RockyHorror_17
732: Juniper1_16
733: Violac_17
734: Beakin_17
735: Gandalph_16
736: Polka14_17
737: Latretium_17
738: CaptainTrips_17
739: Marker_17 + 1
740: Kenuha5_16 + 1
741: OwisT2W_18
742: Nitzel_17
743: IbOuu_16
744: XFactor_16
745: Fancypants_16
746: ShroomBoi_16
747: Whouxphf_16
748: Mahavrat_16
749: Grimmer_17
750: Seagreen_17

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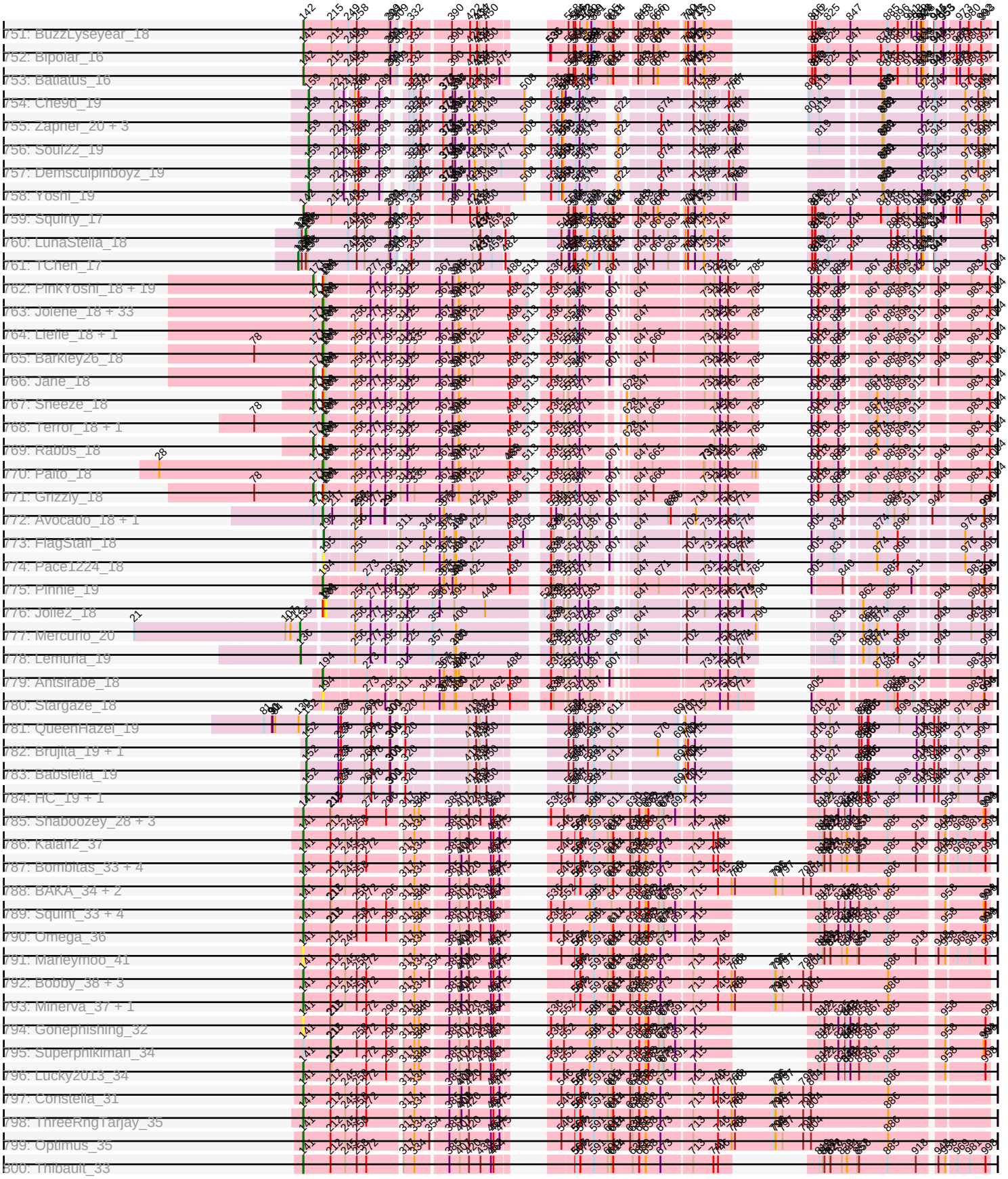
751: BuzzLyseyear_18
752: Bipolar_16
753: Batiatus_16
754: Che9d_19
755: Zapher_20 + 3
756: Soul22_19
757: Demsculpinboyz_19
758: Yoshi_19
759: Squirty_17
760: LunaStella_18
761: TChen_17
762: PinkYoshi_18 + 19
763: Jolene_18 + 33
764: Lielle_18 + 1
765: Barkley26_18
766: Jane_18
767: Sneeze_18
768: Terror_18 + 1
769: Rabbs_18
770: Paito_18
771: Grizzly_18
772: Avocado_18 + 1
773: FlagStaff_18
774: Pace1224_18
775: Pinnie_19
776: Jolie2_18
777: Mercurio_20
778: Lemuria_19
779: Antsirabe_18
780: Stargaze_18
781: QueenHazel_19
782: Brujita_19 + 1
783: Babsiella_19
784: HC_19 + 1
785: Shaboozey_28 + 3
786: Kalah2_37
787: Bombitas_33 + 4
788: BAKA_34 + 2
789: Squint_33 + 4
790: Omega_36
791: Maneymoo_41
792: Bobby_38 + 3
793: Minerva_37 + 1
794: Gonephishing_32
795: Superphikiman_34
796: Lucky2013_34
797: Constella_31
798: ThreeRngTarjay_35
799: Optimus_35
800: Thibault_33

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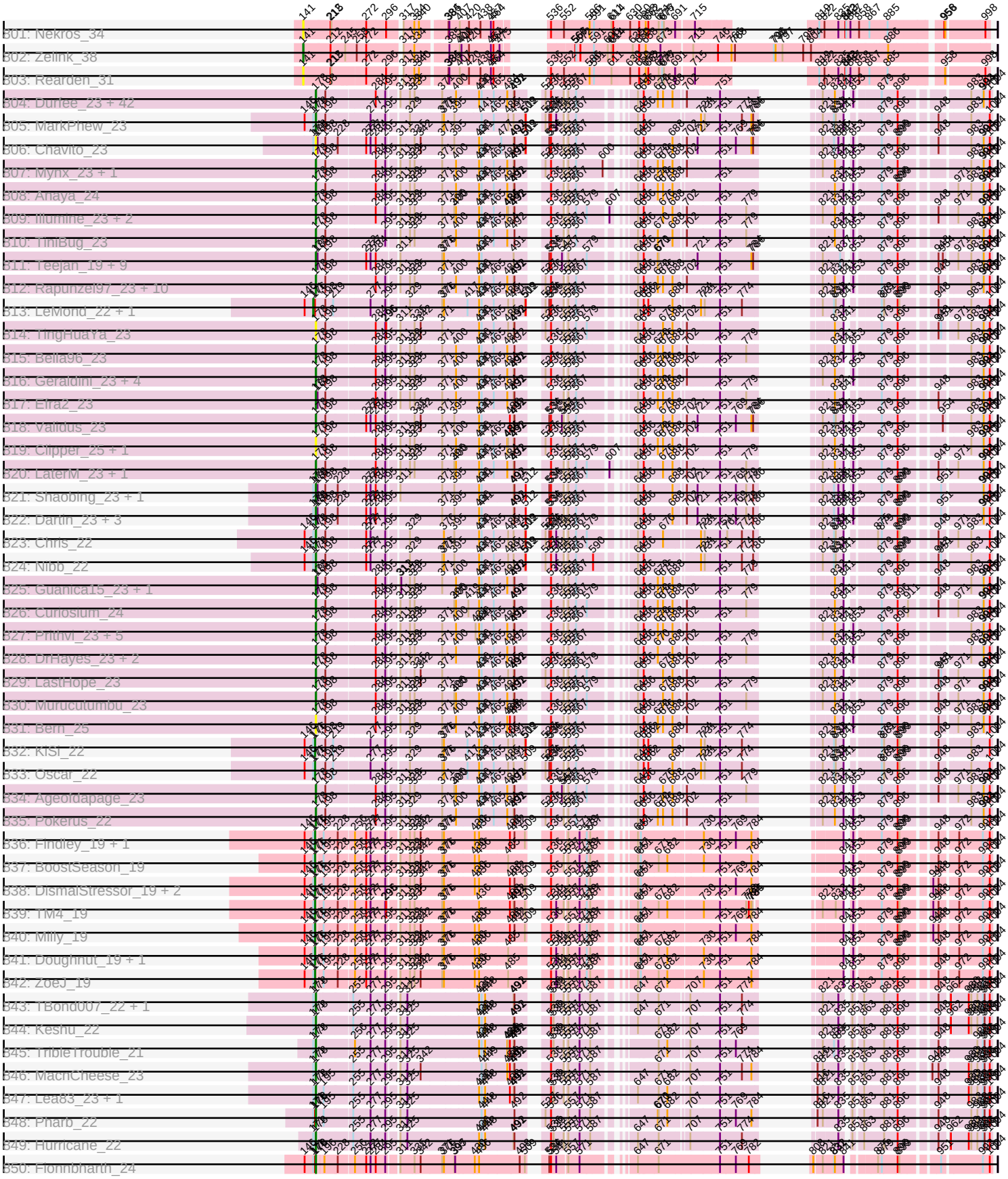
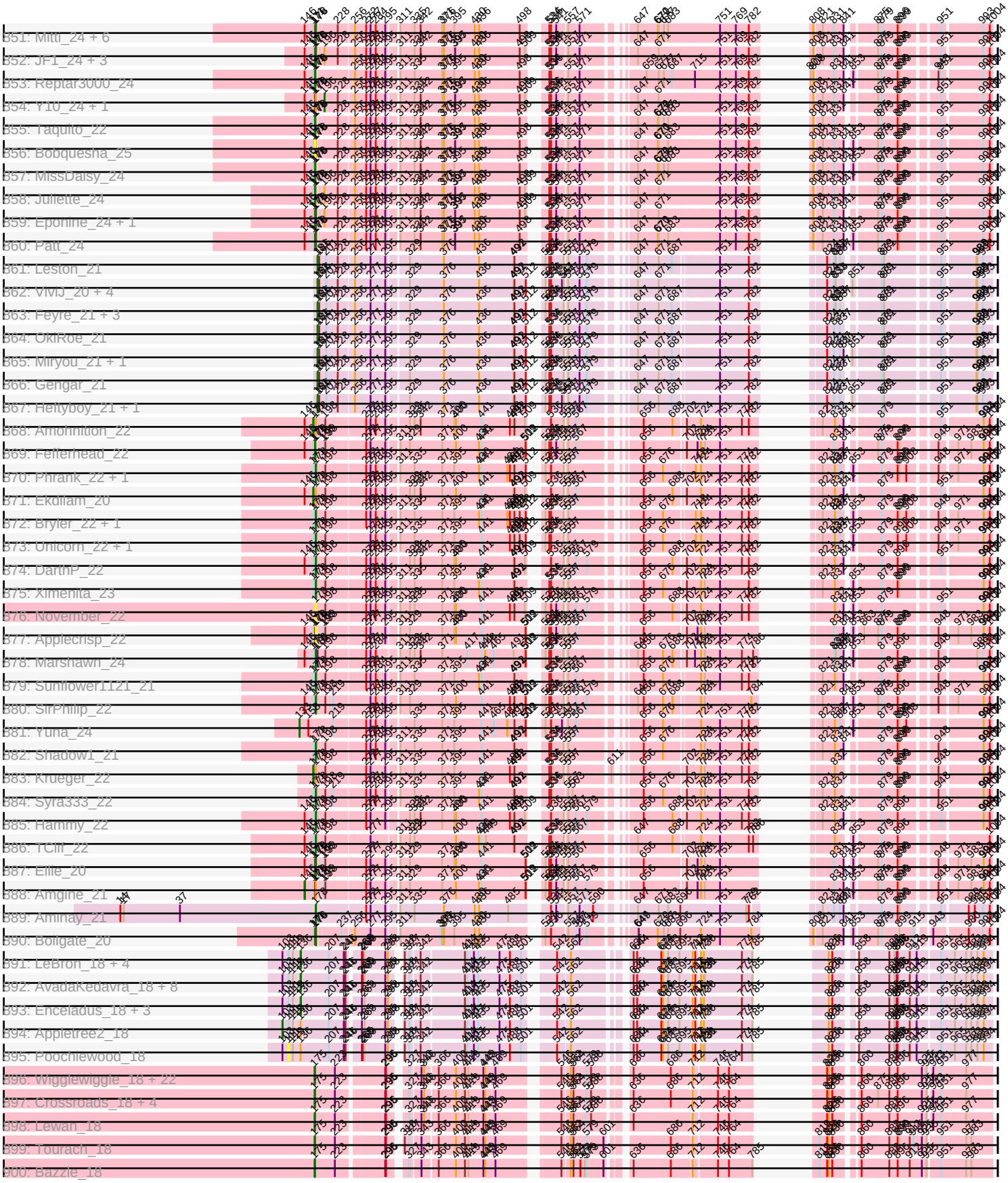
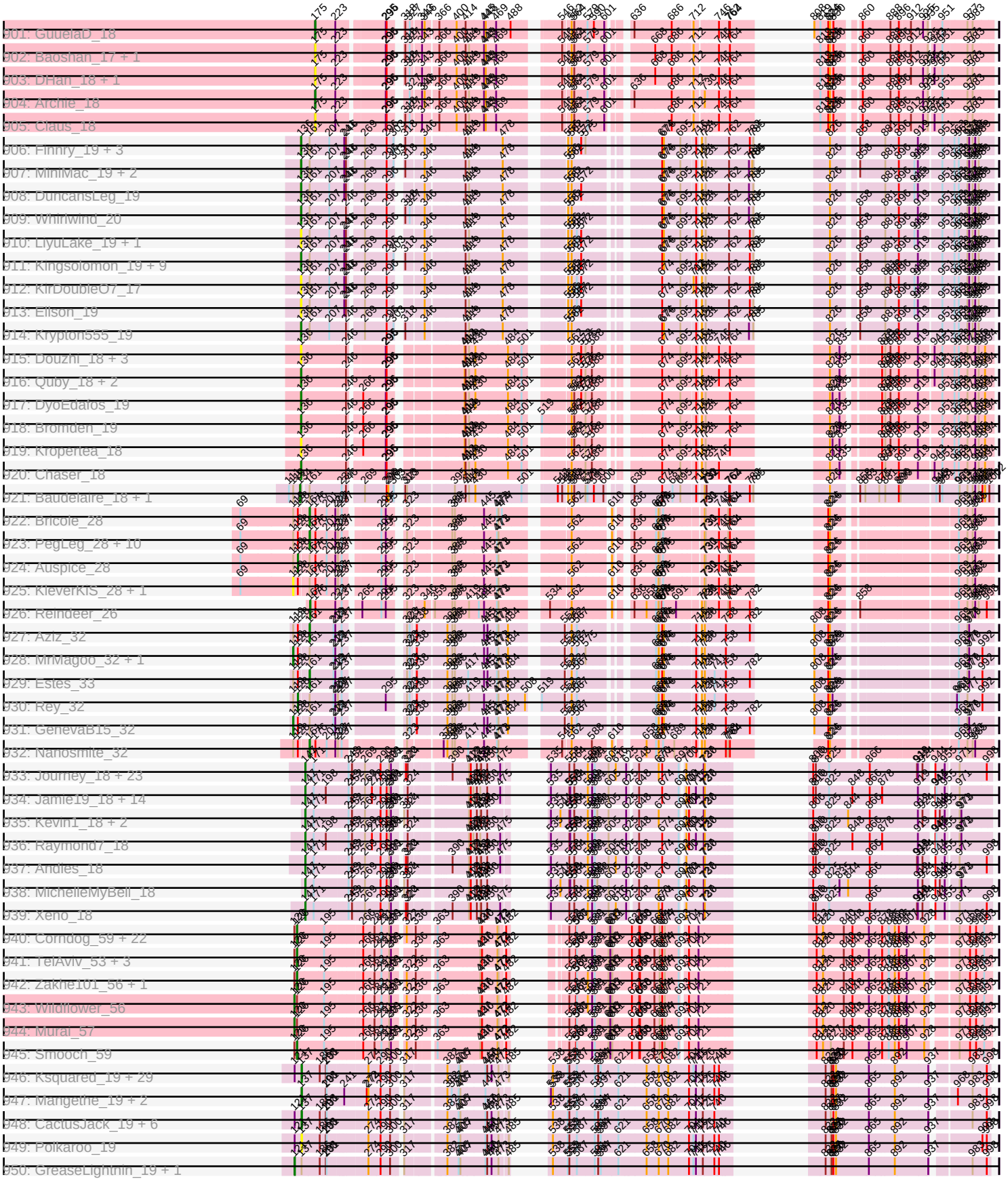


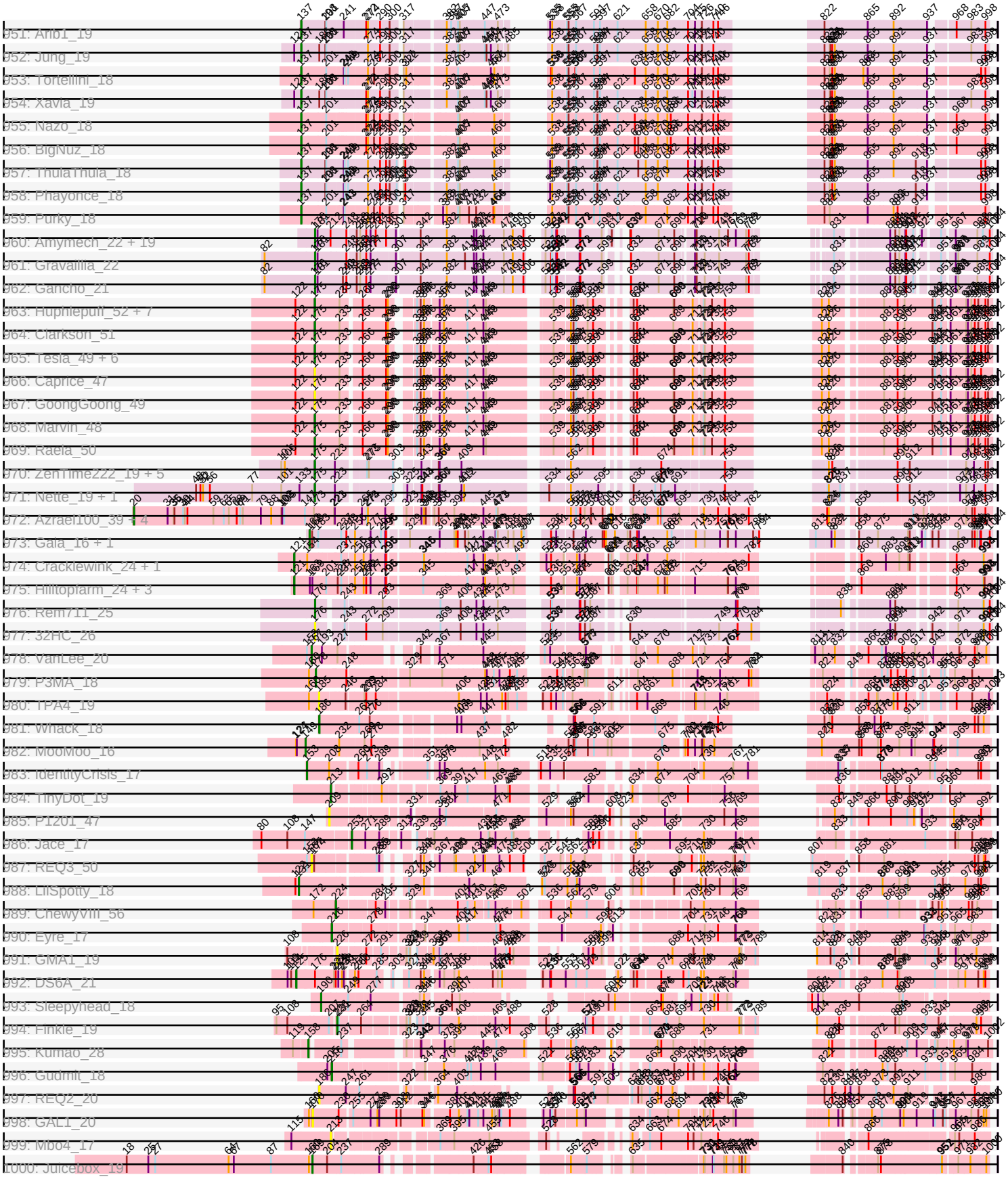
Pham 215632


351: Mitti_24 + 6
352: JF1_24 + 3
353: Reptar3000_24
354: Y10_24 + 1
355: Taquito_22
356: Bobquesha_25
357: MissDaisy_24
358: Juliette_24
359: Eponine_24 + 1
360: Patt_24
361: Leston_21
362: VivJ_20 + 4
363: Feyre_21 + 3
364: OkiRoe_21
365: Miryou_21 + 1
366: Gengar_21
367: Heftyboy_21 + 1
368: Amonnition_22
369: Fellerhead_22
370: Phrank_22 + 1
371: Ekdiam_20
372: Bryler_22 + 1
373: Omicorn_22 + 1
374: DarthP_22
375: Ximenita_23
376: November_22
377: Applecrisp_22
378: Marshawn_24
379: Sunflower1121_21
380: SirPhilip_22
381: Yuna_24
382: Shadow1_21
383: Krueger_22
384: Syra333_22
385: Hammy_22
386: TCliff_22
387: Ellie_20
388: Amgine_21
389: Aminay_21
390: Boilgate_20
391: LeBron_18 + 4
392: AvadaKedavra_18 + 8
393: Enceladus_18 + 3
394: Appletree2_18
395: Poochiewood_18
396: Wigglewiggle_18 + 22
397: Crossroads_18 + 4
398: Lewan_18
399: Tourach_18
400: Bazzle_18

Pham 215632



Pham 215632



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 215632 Report

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

Pham number 215632 has 2509 members, 293 are drafts.

Phages represented in each track:
• Track 1 : Chargerpower_29
• Track 2 : Corvo_28, Rajelicia_27, HermioneGrange_27, MaryBeth_27, Rufus_28, Bethlehem_27, MetalQZJ_27, Arcanine_28, HanShotFirst_27, STLscum_28, Alvin_28
• Track 3 : QTRlifeCrisis_27, PhineBark_27, Jerm2_28, KSSJEB_27, Bob3_26, Espresso_27, Gwendoluna_29, ThelониousMonk_29, Sibs6_29, Mule_27, Lopton_28, Paraselene_26, Teodoridan_25, Adahisdi_28, Abbyshoes_28, PSullivan_29, Big3_27, Tote_29, JuliaChild_29, PhrostyMug_27, Jorgensen_27, Norz_29, Molly_28, Jasper_28, Rohr_28, Ichabod_28, Ashballer_27, Tripl3t_28, BeesKnees_28, Sagefire_28, Target_30, Eyeball_27, Seabiscuit_29, Dulcie_26, Levia_26, Beatrix_27, Nerujay_28, Pepe_28, Aeneas_29, PattyP_29, Gyzlar_29, Payneful_27, JackSparrow_28, BaconJack_29, BigMau_29, Raid_28, Pippin_29, Applejack_27, Marco3_27, KyMonks1A_29, GrecoEtereo_29, Kanely_28, ILeeKay_29, TwoPeat_28, Kenmech_30, Petp2012_29, Mryolo_26, Ruotula_26, Abrogate_280, Maroc7_26, Kugel_28, Bxb1_25, Gandalf20_28, Michley_27, Rhynn_27, Ciao_27, LunarLander_27, MPlant7149_26, Ohno789_27, Pita2_29, Acme_29, Makemake_27, Dussy_28, Fascinus_26, Lesedi_26, Marchy_26, Swole_29, Zeeculate_27
• Track 4 : Inyanga_26, Atkinbua_29, Licorice_29, McSinger_28, Ringer_27, Doom_28, Switzer_28, Watermelon_29, AFIS_27, DreamCatcher_30, Sunshine924_26, Marcell_27, Traft412_29, Snazzy_26, GageAP_29, DrFeelGood_26, PherrisBueller_28, Manatee_28, Kykar_25, Iqorha_26, Oogway_26, Violet_26, RidgeCB_27, BigPaolini_28
• Track 5 : Fushigi_28
• Track 6 : MrGordo_27
• Track 7 : Solon_27, Marsha_27, Scowl_28, Arlo_26, Edtherson_28, Museum_29, Altman_29, PascalRango_26, ConceptII_29, Burton_28, Treddle_29, Froghopper_28, BPBiebs31_28, Monet_29, Chanagan_26, HarryOW_28
• Track 8 : BarrowTuph_26, Papez_29, StewieG_26, ShortQueendom_26, Zeuska_28
• Track 9 : SkiPole_29, SarFire_27, Pari_28, Thor_27
• Track 10 : Briton15_29, Hope4ever_27, Lamina13_27, Tasp14_28
• Track 11 : Squee_28, Fenn_28, Naira_28, Barriga_27, Niza_29
• Track 12 : JC27_29
• Track 13 : EnzoK_27
• Track 14 : DD5_28, Lockley_27
• Track 15 : Bones_27, Smairt_28, PacerPaul_27, KBG_28
• Track 16 : Ajay_28

• Track 17 : LilBib_28, Seanderson_28, StrongArm_26, Forsytheast_26, Moose_26, Bexan_26, SwissCheese_28, Pelly_28
• Track 18 : Homines_27, Marge_28, Nhonho_27, Wheeler_27
• Track 19 : Trouble_28, Magnito_26, Turj99_26, Hami1_29
• Track 20 : BK1_25, A6_25
• Track 21 : Fajezeel_29, SpikeBT_29, Greg_29, Pinto_30, Sumter_26, Dreamboat_28
• Track 22 : Mkhuseli_28
• Track 23 : GMonster_26
• Track 24 : CactusRose_26
• Track 25 : Bigfoot_26, Phlippers_26
• Track 26 : Petruchio_28
• Track 27 : Bruns_26, Parliament_26
• Track 28 : Peterson_30
• Track 29 : Perseus_28
• Track 30 : ProMouse_26
• Track 31 : Zephyr_27
• Track 32 : Smeagol_29
• Track 33 : Dynamix_28, Anglerfish_28, McGuire_28
• Track 34 : Slagathor_28
• Track 35 : Crispicous1_26, BillKnuckles_28
• Track 36 : Sorpresa_27, Sandaddy_26, Bigchungi_27
• Track 37 : Bircsak_27, Gompeii16_27, Francis47_27
• Track 38 : Topgun_27
• Track 39 : Hermia_30
• Track 40 : Rubeus_28, Euphoria_27, Killigrew_25
• Track 41 : PinkPlastic_26, U2_27, Sanya_26, NEHalo_27, Blue_27, BluSpix_27
• Track 42 : Alsfro_31
• Track 43 : Graduation_29
• Track 44 : Carlyle_29
• Track 45 : IgnatiusPatJac_26
• Track 46 : Buttons_29
• Track 47 : Paphu_26
• Track 48 : Wilkins_27
• Track 49 : Agaliana_28
• Track 50 : Rutherferd_29
• Track 51 : Dexes_28
• Track 52 : Magnar_27
• Track 53 : Cueylyss_27
• Track 54 : Kristoff_28
• Track 55 : Rowdy_31, DustyMartin_31, Shapes_31
• Track 56 : RhynO_28
• Track 57 : Chupacabra_27, OKCentral2016_27, Goose_27
• Track 58 : PeaceMeal1_26, KittenMittens_26, Drake94_26, Trike_25, Severus_26
• Track 59 : Topanga_27
• Track 60 : DontArgue_26
• Track 61 : Eaglepride_28
• Track 62 : Edison31_27, WalterMcMickey_27, Twister_27
• Track 63 : Poompha_26
• Track 64 : Rebeuca_28
• Track 65 : Aneem_28, Et2Brutus_27, Orange_28, Hutc2_28, Lucivia_28, Joselito_28, Jabith_28, Bud_28, Mulciber_28, Munch_28, Petersenfast_27, Salz_28, Ebony_28, Sham4_28, Insomnia_28, Snape_28

• Track 66 : Bachome_28
• Track 67 : Gilberta_28
• Track 68 : Bowtie_28
• Track 69 : MaCh_28
• Track 70 : Mabel_28
• Track 71 : TinyTimmy_28
• Track 72 : Flaverint_28, Fibonacci_28, Timothy_28
• Track 73 : Zimmer_30
• Track 74 : Steamy_29
• Track 75 : DarthPhader_29
• Track 76 : Refuge_31
• Track 77 : Pharaoh_28
• Track 78 : Phlei_23
• Track 79 : Gail_28
• Track 80 : SororFago_28
• Track 81 : Luchador_30
• Track 82 : Jeeves_28
• Track 83 : Sunhee_27
• Track 84 : Anon_28
• Track 85 : ReMo_30, Battleship_31, ShayRa_31, KatherineG_30, Anaysia_30, Boohoo_30, Oofda_31, Strosahl_30, MinecraftSteve_31, JSwag_30, Epsocamisio_30, Waits_30, Nebulosus_30, Looper_31, Remus_30, Rosalind_30, Warrior24_31, LastResort_30, Soups_30, Switzerland_30
• Track 86 : DekHockey33_30
• Track 87 : Nedarya_29
• Track 88 : EagleEye_30
• Track 89 : PainterBoy_29
• Track 90 : Lucyedi_29
• Track 91 : 40AC_31
• Track 92 : MyraDee_25
• Track 93 : Kimona_24
• Track 94 : Equemioh13_30, Centaur_30, WideWale_30, Updawg_30
• Track 95 : Jaan_31, Landor_29
• Track 96 : JoshKayV_30, ChipMunk_30
• Track 97 : Adzzy_29, Ph8s_29
• Track 98 : D32_31, Naji_31, D29_28
• Track 99 : NothingSpecial_30
• Track 100 : ANI8_31, VC3_31, AN3_28, C3_26, AN9_31, VA6_28
• Track 101 : Bradman_27, MajorMajor_27, Quokka_26
• Track 102 : Tomathan_31, Travvers_31
• Track 103 : Terrific_32, Gratitude_29
• Track 104 : DBQu4n_31, Duplo_31
• Track 105 : LionsBait_29
• Track 106 : Agape74_30
• Track 107 : BobSwaget_31
• Track 108 : 20ES_28
• Track 109 : Crucio_28
• Track 110 : LadyBird_28
• Track 111 : LilTurb_30, Bugsy_30, Whabigail7_30, Dignity_30, Jerm_30, AbbyPaige_30, Turbido_30
• Track 112 : BabyBack_30
• Track 113 : EZMoney23_32
• Track 114 : SwirlSquare_30

• Track 115 : Miko_31
• Track 116 : Che12_30
• Track 117 : Kalpine_31
• Track 118 : Caraxes_27, Superchunk_27
• Track 119 : RedRock_31
• Track 120 : AnnaL29_31
• Track 121 : Loser_31
• Track 122 : BengiVuitton_29, Deloris_29
• Track 123 : Benvolio_28, Echild_28
• Track 124 : Leogania_30
• Track 125 : Tristan_29
• Track 126 : Colin_32
• Track 127 : StarStuff_31, Kerberos_31, Pomar16_31
• Track 128 : Koduck_28, L5_28
• Track 129 : Serenity_27
• Track 130 : TarsusIV_28
• Track 131 : Drake55_30
• Track 132 : Fameo_28, QueenB2_28, Heffalump_30
• Track 133 : Leviathan_30
• Track 134 : FiringLine_28, QueenBeesly_28
• Track 135 : Jsquared_27
• Track 136 : TipsytheTRex_27
• Track 137 : Larenn_29, Malec_29
• Track 138 : IronMan_30
• Track 139 : WeiHuaDA_34
• Track 140 : Retro23_28
• Track 141 : Trooper_28
• Track 142 : Dalmatian_28
• Track 143 : Sknot_29
• Track 144 : Pukovnik_30
• Track 145 : Herbertwm_25
• Track 146 : Anselm_28
• Track 147 : Trixie_31
• Track 148 : Piro94_29, NaSiaTalie_28
• Track 149 : Acolyte_28
• Track 150 : Smeagan_30
• Track 151 : MiculUcigas_28, Flare16_28
• Track 152 : Power_28, SweetiePie_28, Georgie2_29
• Track 153 : SemperFi_30
• Track 154 : Odin_27
• Track 155 : BiancaTri92_30
• Track 156 : Baehexic_29
• Track 157 : KingCyrus_30
• Track 158 : NicoleTera_32
• Track 159 : Lokk_31
• Track 160 : MissWhite_28
• Track 161 : Changeling_30
• Track 162 : HarryHoudini_30
• Track 163 : CRB1_28
• Track 164 : Phaded_31
• Track 165 : SnapTap_28
• Track 166 : DudeLittle_28
• Track 167 : ArcherNM_30

• Track 168 : Iwokeuplikedis_29
• Track 169 : Bactobuster_29
• Track 170 : GaugeLDP_30
• Track 171 : Journey13_26
• Track 172 : EvilGenius_30
• Track 173 : Rachaly_31
• Track 174 : XianYue_28
• Track 175 : First_0028
• Track 176 : Anthony_27
• Track 177 : Kinmap_29
• Track 178 : HelDan_27, Heathen_27, Fred313_27, Scout_27, Marchesa_27, Kachowdy_27, DropBear_27
• Track 179 : ACFishhook_29, HaveUMetTed_30, Kalnoky_30, JeppNRM_30
• Track 180 : Mainiac_29, Grif_29, Stagni_29, Sabia_29, BreSam8_29, P28Green_29, MadMarie_29
• Track 181 : Cullens_29, LugYA_31, Phoebe_29, MarQuardt_29, MuchMore_31, LarryKay_29, Daishi_28, Taurus_29, LBerry_29, KADY_30, Wooldri_31, Beauxregard13_29, Louie6_29, Bxz2_28, Farber_29, Tiffany_29, GingkoMaracino_29, Colbster_29, GtownJaz_29, Phoxy_29, TinyPebbles_29, PotatoSplit_30, Methuselah_28, Penny1_29, EpicPhail_29, Spike509_29, Aglet_29, Microwolf_29, Pembroke_29, Fernando_29, BuzzBuzz_28, Bigflo_29, Sabinator_29, AugsMagnumOpus_31, Watson_29, Ollie_29, Lilith_29, AgronaGT15_29, Vix_29, Malinsilva_31, Anubis_31, SoYo_29, Grub_29, Marie_29, Soshari_31, PGHhamlin_31, Misomonster_31, DaHudson_29, Lowa_29, Rummer_29, MoneyMay_29
• Track 182 : BlueBird_28, Giroux_27, Idleandcovert_27, SaturnRing_27, Bugatti_27, Pistachio_28
• Track 183 : Norbert_27, Caviar_28, Panamaxus_27, Texage_27, Margo_28, Veracruz_27, Pocahontas_28, ResDef_28, Popcicle_28, Hookmount_28, QuinnKiro_27, Lambert1_28, Todacoro_28, Noella_28
• Track 184 : BabyJohn_26, Chiqui_26
• Track 185 : MK4_27
• Track 186 : Groupthink_30, Kalb97_30, Pawn_29, Manu_30, Calvinny_30, Gemma_29, PhishRPhriends_28, PurpleHaze_29, Heliosoles_29
• Track 187 : Isca_27, Rockstar_27
• Track 188 : StepMih_29
• Track 189 : Jobu08_29, SoilDragon_29, Zetzy_28
• Track 190 : MA5_27
• Track 191 : Marius_30
• Track 192 : Grum1_29
• Track 193 : JF2_27, JF4_27, B1_25
• Track 194 : Dieselweasel_29
• Track 195 : Puppy_28
• Track 196 : JHC117_29
• Track 197 : HashRod_30
• Track 198 : Snickers_29
• Track 199 : OlanP_29
• Track 200 : Phantastic_27
• Track 201 : Phranny_30, Reba_30
• Track 202 : BabyRay_27
• Track 203 : JenCasNa_29
• Track 204 : Hercules11_29
• Track 205 : TNguyen7_27

• Track 206 : LHTSCC_28, BangNhom_27, Obama12_28, Cerulean_28, ChampagnePapi_28, SheldonCooper_28
• Track 207 : ICleared_27, Holli_27, Skipitt_27, Kingmustik0402_27, Romney_27, Burger_26, Palestino_26, Wilbur_27, Albee_27, Sabertooth_27, Mazhar510_27, Polymorphads_27, Clarenza_27, Cocoaberry_27, Ruin_27, Koreni_26, Annyong_27, Florean_27, Nemo27_27, Dhanush_27, Citius_27, MeeZee_27, Eros_27, YoSam321_27, Scamp_27, Bartimeaus_27, Flux_27, Maverick_27, Phacado_27, JoongJeon_27, Gadost_27, Broseidon_27, NotAPhaseMom_27, LappelDuVide_27, Blackmoor_27, Spino_27, Roosevelt_27, Pipcraft_27, Sparxx_27, Baby16_27, Deano_27, NorthStar_27, Peaches_27, TinaFeyge_27, LittleB_27, Druantia_27, Kampy_27, Funston_27, Taquarus_27, Arturo_26, Lorenzo_27, Relief_27, CentreCat_27, Morrow_27, Houdini22_27, Wander_27, HamSlice_26, Bombshell_27, Kremtemulon_27, Iceman_28, Eapen_27, Alberto7_28, JetBlade_27, Connomayer_27, Caelakin_27, LittleGuy_27, Lunsford_28, Ulysses_26, Chaph_27, Wizard007_27, Eagle_26, Medusa_27, OKaNui_28, Melvin_27, Abdiel_26, Millski_26, Cintron_27, Phelipe_27, Nebs_27, Maxo_27, Lemur_27, Eris_26, TygerBlood_27, BubbleTrouble_27, Jaykayelowell_27, Bruiser_26, Koan_26, Avle17_27
• Track 208 : Kratark_27, Phontbonne_27, BellusTerra_27, Ohfah_27, Nyxis_27, Kyee_27, DirtyDunning_27, Huxley_27, Thanksgivukkah_27
• Track 209 : Badger_27, Wile_27, Xena_27, Datway_27, Cici_27, Backyardigan_27, Achebe_26
• Track 210 : Stasia_28
• Track 211 : TiroTheta9_27
• Track 212 : Perplexer_27
• Track 213 : Rosa24_26, Tinybot_26
• Track 214 : AbbysRanger_27
• Track 215 : Happiness_27, Phighter1804_27, Iracema64_28, LochMonster_27
• Track 216 : PetiteSangsue_27
• Track 217 : Katalie136_27, Morpher26_27
• Track 218 : Shygu2_27
• Track 219 : Shaka_27
• Track 220 : SenorClean_26
• Track 221 : Pumbaa_27
• Track 222 : PeterPeter_27, Mayonnaise_27
• Track 223 : Camperdownii_26
• Track 224 : Commander_27
• Track 225 : Stink_28
• Track 226 : Cindaradix_26
• Track 227 : Mundrea_27
• Track 228 : KFPoly_27
• Track 229 : LeoAvram_27
• Track 230 : Bumblebee11_27
• Track 231 : TroyPia_27
• Track 232 : Miramae_27
• Track 233 : Noelle_27
• Track 234 : AvatarAhPeg_28
• Track 235 : Eurydice_27
• Track 236 : Micasa_24
• Track 237 : Theia_22
• Track 238 : George_23, LittleCherry_24
• Track 239 : PetterN_25
• Track 240 : Chadwick_25, Naca_24, Scorpia_25, Benedict_24

• Track 241 : ForGetIt_24, Conspiracy_24, Archetta_24, Bluefalcon_23, Jovo_24
• Track 242 : HuhtaEnerson15_24
• Track 243 : Tarynearal_23, Bonamassa_24, Milcery_24, Prinashe11_25
• Track 244 : Jabiru_24
• Track 245 : Swirley_24
• Track 246 : Lev2_24, Aragog_24, AgentM_24, Phlorence_24, Discoknowium_24
• Track 247 : Ghoulboy_24, Zolita_23, SydNat_24
• Track 248 : UnionJack_24
• Track 249 : Midas2_24, Coog_24
• Track 250 : PickleBack_24
• Track 251 : ElTiger69_24
• Track 252 : Tiger_24
• Track 253 : Airmid_24
• Track 254 : Cuco_24
• Track 255 : Twigg_24
• Track 256 : Dublin_23
• Track 257 : MarysWell_23
• Track 258 : CloudWang3_31
• Track 259 : Polyphemus_30, GreedyLawyer_31, Kazan_31, VohminGhazi_31, EricB_31, Kipper29_31, Chartreuse_31, DaVinci_31, McFly_31, Cookiedough_31, Hoot_31, SuperCallie99_31, SuperAwesome_31, Pmask_31, Neeharika16_31, Newrala_31
• Track 260 : Dorothea_31
• Track 261 : Blinn1_31, Priamo_31
• Track 262 : ToneTone_29, Artemis2UCLA_31, Blue7_31, Wiks_31, Koko_31, Lilbunny_31, Yokurt_31, Roksolana_31, Jeffabunny_31, Tucker_31, Zaka_31, Zulu_31, Hexamo_31, BlessJoy_31
• Track 263 : Indra_31, Garak_32, Helmet_32, Temprado_32
• Track 264 : Rifter_31
• Track 265 : SmellyB_31
• Track 266 : BABullseye_31
• Track 267 : Gruunaga_31, Gladiator_31, WunderPhul_31
• Track 268 : Candra_31
• Track 269 : JewelBug_31
• Track 270 : Hammer_31
• Track 271 : Isiphiwo_31
• Track 272 : Jordennis_31
• Track 273 : PP_37
• Track 274 : FlyCatcher_31, Sheen_29, Toro_30
• Track 275 : Timshel_28
• Track 276 : HINdeR_27
• Track 277 : DroogsArmy_28
• Track 278 : Dixon_24, Stephig9_24, Groundhog_23, Astro_24, Smeadley_24, NearlyHeadless_24, Danforth_23, Expelliarmus_23, Saintus_24, Roary_24
• Track 279 : Phillis_24
• Track 280 : Darrell_30
• Track 281 : Rahalelujah_27
• Track 282 : Spouty_30, Priya_30, EmyBug_30
• Track 283 : Tubs_30
• Track 284 : EdogawaKiddo_28, Pioneer_30, Fayely_30, Onglai_29, RyeScarlet_31, Phonnegut_30, Lilleskat_28, Hanray_29, Beemo_30, Ugenie5_27, Sachima_28, Jiawan_29, ExplosioNervosa_30, Scherzo_30
• Track 285 : Elephantoon_29

• Track 286 : LoneWolf_29
• Track 287 : Eidsmoe_30, Alma_30
• Track 288 : Myxus_30, HortumSL17_30, Aliter_30, PackMan_30, Phaeder_30
• Track 289 : Holex_29
• Track 290 : Vanisoa_27
• Track 291 : Toaka_27
• Track 292 : Charm_28
• Track 293 : Qobbit_30
• Track 294 : Keziacharles14_28
• Track 295 : DreamTeam1_28
• Track 296 : Conquerage_30
• Track 297 : SheaKeira_28
• Track 298 : Maminiaina_29, BogosyJay_29
• Track 299 : Yecey3_29
• Track 300 : Arissanae_28
• Track 301 : Muddy_21
• Track 302 : NoShow_18
• Track 303 : 8UZL_21
• Track 304 : JacoRen57_17
• Track 305 : Maco6_19
• Track 306 : FF47_21
• Track 307 : Farewell_16, Sparky_16
• Track 308 : Nergal_22
• Track 309 : MalagasyRose_24
• Track 310 : JustASigh_18
• Track 311 : Weirdo19_19
• Track 312 : Dinger_23
• Track 313 : Bonanza_23
• Track 314 : Alatin_23, Phrankenstein_23, Bradshaw_23, Rhodalysa_23, TWAMP_23, Lillie_23, Erik_23, Espica_23, Naiad_23, Swann_23, Nancinator_23, CosmicSans_23, StCroix_23, Belenaria_23, UhSalsa_23, Natosaleda_23
• Track 315 : PhailMary_22
• Track 316 : Yogi_23, Rasputin_23, Alpacados_22
• Track 317 : Jester_23
• Track 318 : AppleCloud_21, Krishelle_23, Hiro_23
• Track 319 : Partridge_23, Shuman_23
• Track 320 : Bryce_23, Harlequin_23, Yoncess_23
• Track 321 : Gollum_23, RexFury_23, RER2_16
• Track 322 : Takoda_23, AngryOrchard_22
• Track 323 : RGL3_16
• Track 324 : Morrissey_19
• Track 325 : Mahdia_18
• Track 326 : Gustav_18
• Track 327 : Upyo_18
• Track 328 : Puppers_18
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• Track 762 : PinkYoshi_18, AzulaCat_18, Maliketh_18, Cherrybomb426_18, CLED96_18, Wendigo_18, Jonghyun_18, Sizemore_18, Hotshotbaby7_18, BQuat_18, Chance64_18, Kasen3_18, Frosty24_18, Olga_18, Camri_18, TinaBug_18, DNAIII_0018, Remy19_18, Sweets_18, Phish_18
• Track 763 : Jolene_18, Periodt_18, Hope_18, Plagueis_18, Aroostook_18, Angel_18, Kareem_18, Halo_18, ECartman_18, OctaviousRex_18, Avrafan_18, Cedasite_18, ZoMa_18, Coleslaw_18, Darionha_18, Crespo_18, Annihilator_18, Phreak_18, GoldenAsh_18, CassieYates_18, TomBrady_18, Schiebel_18, Marmie_18, Renaissance_18, DMoney_18, JorRay_18, Mowgli_18, BruceB_18, Gideon_18, BPs_18, LouisV14_18, Gomashi_18, Zombie_18, ShaboiShabazz_18
• Track 764 : Liefie_18, Peeb_18
• Track 765 : Barkley26_18
• Track 766 : Jane_18
• Track 767 : Sneeze_18
• Track 768 : Terror_18, Taheera_18
• Track 769 : Rabbs_18
• Track 770 : Paito_18
• Track 771 : Grizzly_18
• Track 772 : Avocado_18, Cambiare_19
• Track 773 : FlagStaff_18
• Track 774 : Pace1224_18
• Track 775 : Pinnie_19
• Track 776 : Jolie2_18
• Track 777 : Mercurio_20
• Track 778 : Lemuria_19
• Track 779 : Antsirabe_18
• Track 780 : Stargaze_18
• Track 781 : QueenHazel_19
• Track 782 : Brujita_19, Island3_19
• Track 783 : Babsiella_19
• Track 784 : HC_19, Xula_18
• Track 785 : Shaboozey_28, Hannaconda_31, LittleE_37, KashFlow_28
• Track 786 : Kalah2_37
• Track 787 : Bombitas_33, Schatzie_34, Hughesyang_35, Dove_34, Odette_36
• Track 788 : BAKA_34, Phoebus_36, Redno2_35
• Track 789 : Squint_33, Porcelain_33, Ariel_34, MiaZeal_34, Courthouse_34
• Track 790 : Omega_36
• Track 791 : Marleymoo_41
• Track 792 : Bobby_38, Ejimix_37, Wanda_37, DmpstrDiver_35
• Track 793 : Minerva_37, Klein_37
• Track 794 : Gonephishing_32
• Track 795 : Superphikiman_34
• Track 796 : Lucky2013_34
• Track 797 : Constella_31
• Track 798 : ThreeRngTarjay_35
• Track 799 : Optimus_35
• Track 800 : Thibault_33
• Track 801 : Nekros_34
• Track 802 : Zelink_38
• Track 803 : Rearden_31
• Track 804 : Durfee_23, MeaningOfLife_23, AlishaPH_23, Boiiii_23, Peel_23, Twitch_23, Llorens_23, BaghaKamala_23, Capricorn_23, Hyperbowlee_23, Jarvi_23, Dalmuri_23, Jeckyll_23, CheetoDust_23, Asayake_23, CaseJules_23, BarrelRoll_23,

Apocalypse_23, Padpat_23, Blizzard_23, Rosmarinus_23, Sulley_23, CallaLilly_24, YoureAdopted_22, Belladonna_23, Emerson_23, JAWS_23, BEEST_23, Spock_23, Lunahalos_23, Piatt_23, Joy99_23, Inky_23, BGlluviae_23, Ramen_23, Padfoot_23, Angelica_23, Deby_23, Tiri_23, Topper_23, CREW_23, Homura_23, ShiaSurprise_23
• Track 805 : MarkPhew_23
• Track 806 : Chavito_23
• Track 807 : Mynx_23, Zavala_23
• Track 808 : Anaya_24
• Track 809 : Illumine_23, Dole_23, Devera_23
• Track 810 : TiniBug_23
• Track 811 : Teejan_19, Amelie_19, Torres_19, Mdavu_19, LilPharaoh_19, Biglebops_19, Nutello_19, SgtBeansprout_19, Enkosi_19, Nikao_19
• Track 812 : Rapunzel97_23, Adephagia_23, Veliki_23, Tachez_23, Zabiza_23, Atiba_23, TruffulaTree_23, HedwigODU_23, ActinUp_23, Jayhawk_23, Slimphazie_23
• Track 813 : LeMond_22, Scarlett_22
• Track 814 : TingHuaYa_23
• Track 815 : Bella96_23
• Track 816 : Geraldini_23, QuincyRose_22, Ganymede_24, Beezoo_23, Adonis_23
• Track 817 : Efra2_23
• Track 818 : Validus_23
• Track 819 : Clipper_25, MacKat_24
• Track 820 : LaterM_23, Stinson_23
• Track 821 : Shaobing_23, Peanam_23
• Track 822 : Dartin_23, Richo_23, Niklas_23, McMater_23
• Track 823 : Chris_22
• Track 824 : Nibb_22
• Track 825 : Guanica15_23, Yunkel11_23
• Track 826 : Curiosium_24
• Track 827 : Prithvi_23, Megsy_23, TaiwanKao_24, TreyKay_23, LindNT_23, CrimD_23
• Track 828 : DrHayes_23, SamuelLPlaqson_23, Urkel_23
• Track 829 : LastHope_23
• Track 830 : Murucutumbu_23
• Track 831 : Bern_25
• Track 832 : KiSi_22
• Track 833 : Oscar_22
• Track 834 : Ageofdapage_23
• Track 835 : Pokerus_22
• Track 836 : Findley_19, Strobilo_19
• Track 837 : BoostSeason_19
• Track 838 : DismalStressor_19, Marcoliusprime_19, DismalFunk_19
• Track 839 : TM4_19
• Track 840 : Milly_19
• Track 841 : Doughnut_19, Mufasa_19
• Track 842 : ZoeJ_19
• Track 843 : TBond007_22, Pixie_22
• Track 844 : Keshu_22
• Track 845 : TribleTrouble_21
• Track 846 : MacnCheese_23
• Track 847 : Lea83_23, ShedlockHolmes_22
• Track 848 : Pharb_22

• Track 849 : Hurricane_22
• Track 850 : Fionnbharth_24
• Track 851 : Mitti_24, OmniCritical_24, Cheetobro_24, Lebo14_25, SamScheppers_22, Slarp_24, Chancellor_24
• Track 852 : JF1_24, Kraw_25, Wintermute_24, Malthus_25
• Track 853 : Reptar3000_24
• Track 854 : Y10_24, Y2_24
• Track 855 : Taquito_22
• Track 856 : Bobquesha_25
• Track 857 : MissDaisy_24
• Track 858 : Juliette_24
• Track 859 : Eponine_24, Ruthiejr_23
• Track 860 : Patt_24
• Track 861 : Leston_21
• Track 862 : ViviJ_20, Agent47_21, InvictusManeo_21, Kratio_20, Collard_21
• Track 863 : Feyre_21, Guillsminger_21, Waterfoul_21, Paola_21
• Track 864 : OkiRoe_21
• Track 865 : Miryou_21, Thyatira_21
• Track 866 : Gengar_21
• Track 867 : Heftyboy_21, SoSeph_21
• Track 868 : Amohnition_22
• Track 869 : Fefferhead_22
• Track 870 : Phrank_22, Tierra_22
• Track 871 : Ekdilam_20
• Track 872 : Bryler_22, Cain_22
• Track 873 : Unicorn_22, PhelpsODU_22
• Track 874 : DarthP_22
• Track 875 : Ximenita_23
• Track 876 : November_22
• Track 877 : Applecrisp_22
• Track 878 : Marshawn_24
• Track 879 : Sunflower1121_21
• Track 880 : SirPhilip_22
• Track 881 : Yuna_24
• Track 882 : Shadow1_21
• Track 883 : Krueger_22
• Track 884 : Syra333_22
• Track 885 : Hammy_22
• Track 886 : TClif_22
• Track 887 : Ellie_20
• Track 888 : Amgine_21
• Track 889 : Aminay_21
• Track 890 : Boilgate_20
• Track 891 : LeBron_18, Zaria_18, CicholasNage_18, Calm_18, Wamburgrxpress_18
• Track 892 : AvadaKedavra_18, Wyatt2_18, Halena_18, MAckerman_18, UPIE_18, Rose5_18, Silverleaf_18, Acquire49_18, Tyson_18
• Track 893 : Enceladus_18, DirkDirk_18, JoeDirt_18, OhShagHennessy_18
• Track 894 : Appletree2_18
• Track 895 : Poochiewood_18
• Track 896 : Wigglewiggle_18, Soap141_18, SoJulia_18, MkaliMitinis3_18, Netyap_18, Faith1_18, Loadrie_18, Sarshaun_18, Underpass_18, Miley16_18, Kahlid_18, Breezona_18, Finemlucis_18, Hafay_18, Nicholasp3_18,

BobsGarage_18, Gardann_18, DrSeegs_18, Gabriela_18, Itos_18, BigCheese_18, Wilder_18, Winky_18
• Track 897 : Crossroads_18, LilDestine_18, Vetrix_18, Zakai_18, Rumpelstiltskin_18
• Track 898 : Lewan_18
• Track 899 : Tourach_18
• Track 900 : Bazzle_18
• Track 901 : GuuelaD_18
• Track 902 : Baoshan_17, ZhongYanYuan_17
• Track 903 : DHan_18, DanBing_17
• Track 904 : Archie_18
• Track 905 : Claus_18
• Track 906 : Finnry_19, Samty_19, Bellis_19, Moostard_19
• Track 907 : MiniMac_19, MiniLon_19, Lolly9_19
• Track 908 : DuncansLeg_19
• Track 909 : Whirlwind_20
• Track 910 : LiyuLake_19, BourbonZero_18
• Track 911 : Kingsolomon_19, TriFive_19, Snenia_19, Jobypre_19, Red305_19, Lumos_19, MsGreen_19, Jubie_19, Clautastrophe_19, Nicholas_19
• Track 912 : KirDoubleO7_17
• Track 913 : Ellson_19
• Track 914 : Krypton555_19
• Track 915 : Douzhi_18, PYPDinur_18, BrainDrainer_19, Sheng711_18
• Track 916 : Quby_18, Douge_18, FarmResident_18
• Track 917 : DyoEdafos_19
• Track 918 : Bromden_19
• Track 919 : Kropertea_18
• Track 920 : Chaser_18
• Track 921 : Baudelaire_18, Aegeus_18
• Track 922 : Bricole_28
• Track 923 : PegLeg_28, TyDawg_28, Glaske16_29, FreakyGoo_28, Diminimus_29, SlimJimmy_27, Skinny_29, LilhomieP_27, IPhane7_28, Bongo_28, Dulcita_29
• Track 924 : Auspice_28
• Track 925 : KleverKiS_28, Izel_27
• Track 926 : Reindeer_26
• Track 927 : Aziz_32
• Track 928 : MrMagoo_32, GardenSalsa_32
• Track 929 : Estes_33
• Track 930 : Rey_32
• Track 931 : GenevaB15_32
• Track 932 : Nanosmite_32
• Track 933 : Journey_18, Gex_18, Scitech_18, EGUnicorn_19, Charlie_18, Magsby_18, Duplicity_18, Philonius_18, Chewbacca_18, Tapioca_18, Melville_18, Silvy_18, Xerxes_18, Schnauzer_18, Parmesanjohn_18, Silvafighter_18, Tortoise12_18, Phloss_18, Fulbright_18, Smurph_18, Bosection6_18, Carcharodon_18, Pipsqueaks_18, Aggie_18
• Track 934 : Jamie19_18, Phrann_18, ShrimpFriedEgg_18, Snekmaggedon_18, Shweta_18, Nenae_18, BabeRuth_18, Redi_18, Panchino_18, Rebel_18, PhancyPhin_18, Purgamenstris_18, Hanako_18, SkinnyPete_18, SpongeBob_18
• Track 935 : Kevin1_18, Rubeelu_18, Butters_18
• Track 936 : Raymond7_18
• Track 937 : Andies_18
• Track 938 : MichelleMyBell_18
• Track 939 : Xeno_18

• Track 940 : Corndog_59, Firecracker_57, Ryadel_60, JangDynasty_56, Schuy_57, MadKillah_57, Winget_57, Vagabond_56, YungJamal_61, NiebruSaylor_55, Alkhayr_54, Familton_57, Bora_54, Krili_55, SchoolBus_56, Vorrps_56, Mori_56, Shida_56, Ashwin_58, Blessica_57, KingPhillip3_55, FoulBall_56, Wogge42_55
• Track 941 : TelAviv_53, Catdawg_56, Idergollasper_56, Zebo_55
• Track 942 : Zakhe101_56, Dylan_56
• Track 943 : Wildflower_56
• Track 944 : Murai_57
• Track 945 : Smooch_59
• Track 946 : Ksquared_19, Atcoo_19, Etoile_19, Sonah_19, Phineas_19, Techage_19, FirstPlacePfu_19, Willsammy_19, Juniormint_19, StevieRay_19, HUHilltop_19, Pygmy_18, Zilizebeth_19, Necropolis_19, Thespis_19, Kari_19, Bhagsy_19, Jebeks_19, Bartholomew_19, Brusacoram_19, Bunnies_19, Shipwreck_18, Langerak_19, Fishburne_19, Donovan_19, Dynamo_19, Venti_19, Malithi_19, Camster_19, Vidya_19
• Track 947 : Mangethe_19, Phegasus_19, Majeke_19
• Track 948 : CactusJack_19, Gavriela_19, KilKor_19, StressBall_19, Phalm_19, Glaske_19, Megiddo_19
• Track 949 : Polkaroo_19
• Track 950 : GreaseLightnin_19, Bogie_18
• Track 951 : Arib1_19
• Track 952 : Jung_19
• Track 953 : Tortellini_18
• Track 954 : Xavia_19
• Track 955 : Nazo_18
• Track 956 : BigNuz_18
• Track 957 : ThulaThula_18
• Track 958 : Phayonce_18
• Track 959 : Purky_18
• Track 960 : Amymech_22, Forge_22, Luke_22, Giles_22, Evanesce_22, HH92_22, Dewey_22, Ubuntu_22, OBUpride_22, Luna22_22, Kinbote_22, Hail_22, DeepSoil15_22, Webster2_22, LilHazelnut_22, Hadrien_22, Wishmaker_22, Ein37_22, Daegal_23, Amochick_22
• Track 961 : Gravaillia_22
• Track 962 : Gancho_21
• Track 963 : Huphlepuff_52, LittleLaf_50, Pringar_50, Lilbit_51, VasuNzinga_50, Beelzebub_54, Poise_50, Blackbeetle_50
• Track 964 : Clarkson_51
• Track 965 : Tesla_49, FeliMaine_52, Corazon_48, RedRaider77_50, JoieB_51, Gattaca_49, MosMoris_48
• Track 966 : Caprice_47
• Track 967 : GoongGoong_49
• Track 968 : Marvin_48
• Track 969 : Raela_50
• Track 970 : ZenTime222_19, RonRayGun_19, Nairb_19, Whitty_19, Bernal13_19, Ibrahim_19
• Track 971 : Nette_19, Mendokysei_18
• Track 972 : Azrael100_39, Wildcat_40, MaryV_40, EniyanLRS_37, Cosmo_40
• Track 973 : Gaia_16, Nebkiss_17
• Track 974 : Cracklewink_24, Bipper_24
• Track 975 : Hilltopfarm_24, Faiyaz_24, Typha_24, AuntGwenStacy_24
• Track 976 : Rem711_25
• Track 977 : 32HC_26

• Track 978 : VanLee_20
• Track 979 : P3MA_18
• Track 980 : TPA4_19
• Track 981 : Whack_18
• Track 982 : MooMoo_16
• Track 983 : IdentityCrisis_17
• Track 984 : TinyDot_19
• Track 985 : P1201_47
• Track 986 : Jace_17
• Track 987 : REQ3_50
• Track 988 : LilSpotty_18
• Track 989 : ChewyVIII_56
• Track 990 : Eyre_17
• Track 991 : GMA1_19
• Track 992 : DS6A_21
• Track 993 : Sleepyhead_18
• Track 994 : Finkle_19
• Track 995 : Kumao_28
• Track 996 : Gudmit_18
• Track 997 : REQ2_20
• Track 998 : GAL1_20
• Track 999 : Mbo4_17
• Track 1000 : Juicebox_19

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

The start number called the most often in the published annotations is 156, it was called in 559 of the 2216 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_28, 40AC_31, ACFishhook_29, AN3_28, AN9_31, ANI8_31, AbbyPaige_30, AbbysRanger_27, Abdiel_26, Achebe_26, Acolyte_28, Adzzy_29, Agape74_30, AgentM_24, Aglet_29, AgronaGT15_29, Airmid_24, Albee_27, Alberto7_28, Anaysia_30, Aneem_28, AnnaL29_31, Annyong_27, Anon_28, Anselm_28, Anthony_27, Anubis_31, Apricot_19, Aragog_24, ArcherNM_30, Archetta_24, Arissanae_28, Artemis2UCLA_31, Arturo_26, Asapag_20, Astro_24, AugsMagnumOpus_31, AvatarAhPeg_28, Avle17_27, B1_25, BABullseye_31, BENtherdunthat_20, Baby16_27, BabyJohn_26, BabyRay_27, Bachome_28, Backyardigan_27, Bactobuster_29, Badger_27, Baehexic_29, BangNhom_27, Bartimeaus_27, Battleship_31, Beauxregard13_29, Beemo_30, BellusTerra_27, Benedict_24, BengiVuitton_29, Benvolio_28, BiancaTri92_30, Bigflo_29, Blackmoor_27, BlessJoy_31, Blinn1_31, Blue7_31, BlueBird_28, Bluefalcon_23, BogosyJay_29, Bombshell_27, Bonamassa_24, Boohoo_30, BotCity_21, Bowtie_28, Bradman_27, BreSam8_29, Broseidon_27, Bruiser_26, BubbleTrouble_27, Bud_28, Budski_20, Bugatti_27, Bugsy_30, Bumblebee11_27, Burger_26, BuzzBuzz_28, Bxz2_28, C3_26, CRB1_28, Caelakin_27, Calvinny_30, Camperdownii_26, Candra_31, Caraxes_27, Caviar_28, Centaur_30, CentreCat_27, Cerulean_28, Chadwick_25, ChampagnePapi_28, Changeling_30, Chaph_27, Chargerpower_29, Charm_28, Chartreuse_31, Che12_30, CheeseTouch_20, ChipMunk_30, Chiqui_26, Chupacabra_27, Cici_27, Cintron_27, Citius_27, Clarenza_27, Cocoaberry_27,

Colbster_29, Commander_27, Connomayer_27, Conquerage_30, Conspiracy_24, Coog_24, Cookiedough_31, Crater_18, Crucio_28, Cuco_24, Cullens_29, D29_28, D32_31, DBQu4n_31, DaHudson_29, DaVinci_31, Daishi_28, Dalmatian_28, Danforth_23, Darrell_30, DarthPhader_29, Datway_27, Deano_27, Deloris_29, Dhanush_27, Dieselweasel_29, Dignity_30, DirtyDunning_27, Discoknowium_24, Dixon_24, DontArgue_26, Dorothea_31, Drake55_30, Drake94_26, DreamTeam1_28, DroogsArmy_28, DropBear_27, Druantia_27, Dublin_23, DudeLittle_28, Duplo_31, DustyMartin_31, EZMoney23_32, EagleEye_30, Eagle_26, Eaglepride_28, Eapen_27, Ebony_28, Echild_28, Edison31_27, EdogawaKiddo_28, ElTiger69_24, Elephantoon_29, EmyBug_30, EpicPhail_29, Epsocamisio_30, Equemioh13_30, EricB_31, Eris_26, Eros_27, Et2Brutus_27, Eurydice_27, EvilGenius_30, Expelliarmus_23, ExplosioNervosa_30, Fameo_28, Farber_29, Fayely_30, Fernando_29, Fibonacci_28, FiringLine_28, First_0028, Flare16_28, Flaverint_28, Florean_27, Flux_27, FlyCatcher_31, ForGetIt_24, Fred313_27, Frickyeah_20, Funston_27, Gadost_27, Gail_28, Garak_32, GaugeLDP_30, Gemma_29, George_23, Georgie2_29, Getalong_21, Ghoulboy_24, Gilberta_28, GingkoMaracino_29, Giroux_27, Gladiator_31, Goose_27, GreedyLawyer_31, Grif_29, Groundhog_23, Groupthink_30, Grub_29, Grum1_29, Gruunaga_31, GtownJaz_29, HINdeR_27, HamSlice_26, Hammer_31, Hanray_29, Happiness_27, HarryHoudini_30, HashRod_30, HaveUMetTed_30, Heathen_27, Heffalump_30, HelDan_27, Heliosoles_29, Helmet_32, Herbertwm_25, Hercules11_29, Hexamo_31, Holex_29, Holli_27, Holliday_20, Hookmount_28, Hoot_31, Horus_20, Houdini22_27, HuhtaEnerson15_24, Hutc2_28, Huxley_27, ICleared_27, Iceman_28, Idleandcovert_27, Indra_31, Insomnia_28, Iracema64_28, IronMan_30, Isca_27, Isiphiwo_31, Iwokeuplikedis_29, JF2_27, JF4_27, JHC117_29, JSwag_30, Jaan_31, Jabiru_24, Jabith_28, Jaykayelowell_27, Jeeves_28, Jeffabunny_31, JenCasNa_29, JeppNRM_30, Jerm_30, JetBlade_27, JewelBug_31, Jiawan_29, Jobu08_29, JoongJeon_27, Joselito_28, JoshKayV_30, Journey13_26, Jovo_24, Jsquared_27, KADY_30, KFPoly_27, Kachowdy_27, Kalb97_30, Kalnoky_30, Kamaru_20, Kampy_27, Katalie136_27, KatherineG_30, Kazan_31, Kenna_19, Kerberos_31, Keziacharles14_28, Kimona_24, KingCyrus_30, Kingmustik0402_27, Kinmap_29, Kipper29_31, KittenMittens_26, Koan_26, Koduck_28, Koko_31, Koreni_26, Kratark_27, Kremtemulon_27, Kristoff_28, Kyee_27, L5_28, LBerry_29, LHTSCC_28, LadyBird_28, Lambert1_28, Landor_29, LappelDuVide_27, Larenn_29, LarryKay_29, LastResort_30, Lemur_27, LeoAvram_27, Leogania_30, Leroy_20, Lev2_24, Leviathan_30, LilTurb_30, Lilbunny_31, Lilith_29, Lilleskat_28, LionsBait_29, LitninMcQueen_20, LittleB_27, LittleCherry_24, LittleGuy_27, LochMonster_27, LoneWolf_29, Looper_31, Lorenzo_27, Loser_31, Louie6_29, Lowa_29, Luchador_30, Lucivia_28, Lucyedi_29, LugYA_31, Lunsford_28, Lutum_20, MA5_27, MK4_27, MaCh_28, Mabel_28, MadMarie_29, Mainiac_29, MajorMajor_27, Malec_29, Malinsilva_31, Malisha_21, Maminiaina_29, Manu_30, MarQuardt_29, Marchesa_27, Margo_28, Marie_29, Marius_30, Maverick_27, Maxo_27, Mayonnaise_27, Mazhar510_27, McFly_31, Medusa_27, MeeZee_27, Melvin_27, Methuselah_28, Micasa_24, Microwolf_29, MiculUcigas_28, Midas2_24, Miko_31, Milcery_24, Millski_26, MinecraftSteve_31, Misomonster_31, MissWhite_28, MoneyMay_29, Morpher26_27, Morrow_27, MuchMore_31, Mulciber_28, Munch_28, Mundrea_27, NaSiaTalie_28, Naca_24, Naji_31, NearlyHeadless_24, Nebs_27, Nebulosus_30, Nedarya_29, Neeharika16_31, Nemo27_27, Newrala_31, NicoleTera_32, Noella_28, Norbert_27, NorthStar_27, NotAPhaseMom_27, NothingSpecial_30, Nyxis_27, OKCentral2016_27, OKaNui_28, Obama12_28, Odin_27, Ohfah_27, OlanP_29, Ollie_29, Onglai_29, Oofda_31, Orange_28, P28Green_29, PGHhamlin_31, PP_37, PainterBoy_29, Palestino_26, Panamaxus_27, Pawn_29, PeaceMeal1_26, Peaches_27, Pembroke_29,

Penny1_29, Periwinkle_22, Perplexer_27, PeterPeter_27, Petersenfast_27, PetiteSangsue_27, PetterN_25, Ph8s_29, Phabuloso_20, Phacado_27, Phaded_31, Phantastic_27, Pharaoh_28, Phelipe_27, Phighter1804_27, Phillis_24, PhishRPhriends_28, Phistory_21, Phlei_23, Phlorence_24, Phoebe_29, Phonnegut_30, Phontbonne_27, Phoxy_29, Phranny_30, PickleBack_24, Pioneer_30, Pipcraft_27, Piro94_29, Pistachio_28, Pmask_31, Pocahontas_28, Polymorphads_27, Polyphemus_30, Pomar16_31, Poompha_26, Popcicle_28, PotatoSplit_30, Power_28, Priamo_31, Prinashe11_25, Priya_30, Pukovnik_30, Pumbaa_27, Puppy_28, PurpleHaze_29, QueenB2_28, QueenBeesly_28, QuinnKiro_27, Quokka_26, Rachaly_31, Rahalelujah_27, ReMo_30, Reba_30, Rebeuca_28, RedRock_31, Refuge_31, Relief_27, Remus_30, ResDef_28, Retro23_28, RhynO_28, Rifter_31, Roary_24, Rockstar_27, Roksolana_31, Romney_27, Roosevelt_27, Rosa24_26, Rosalind_30, Rowdy_31, Ruin_27, Rummer_29, RyeScarlet_31, Sabertooth_27, Sabia_29, Sabinator_29, Sachima_28, Saintus_24, Salz_28, SaturnRing_27, Scamp_27, Scherzo_30, Scorpia_25, Scout_27, SemperFi_30, SenorClean_26, Serenity_27, Severus_26, Shaka_27, Sham4_28, Shapes_31, ShawBrad_20, ShayRa_31, SheaKeira_28, Sheen_29, SheldonCooper_28, Shygu2_27, Skipitt_27, Sknot_29, Smeadley_24, Smeagan_30, SmellyB_31, SnapTap_28, Snape_28, Snickers_29, SoYo_29, SoilDragon_29, SororFago_28, Soshari_31, Soups_30, Sparxx_27, Spike509_29, Spino_27, Spooky_20, Spouty_30, Squiddly_22, Stagni_29, StarStuff_31, Stasia_28, Steamy_29, Stephig9_24, Stink_28, Strosahl_30, Sunhee_27, SuperAwesome_31, SuperCallie99_31, Superchunk_27, SweetiePie_28, Swirley_24, Switzerland_30, SydNat_24, TNguyen7_27, Taquarus_27, TarsusIV_28, Tarynearal_23, Taurus_29, Temprado_32, Texage_27, Thanksgivukkah_27, Theia_22, Tiffany_29, Tiger_24, Timothy_28, Timshel_28, TinaFeyge_27, TinyPebbles_29, TinyTimmy_28, Tinybot_26, TipsytheTRex_27, TiroTheta9_27, Toaka_27, Todacoro_28, Tomathan_31, ToneTone_29, Topanga_27, Toro_30, Travvers_31, Trike_25, Tristan_29, Trixie_31, Trooper_28, TroyPia_27, Tubs_30, Tucker_31, Turbido_30, Twigg_24, Twister_27, TygerBlood_27, Ugenie5_27, Ulysses_26, UnionJack_24, Updawg_30, VA6_28, VC3_31, Vanisoa_27, Veracruz_27, Vix_29, VohminGhazi_31, Waits_30, WalterMcMickey_27, Wander_27, Warrior24_31, Watson_29, Whabigail7_30, Whitney_21, WideWale_30, Wiks_31, Wilbur_27, Wile_27, Wizard007_27, Wooldri_31, WunderPhul_31, Xena_27, Yecey3_29, YoSam321_27, Yokurt_31, Zaka_31, Zetzy_28, Zimmer_30, Zolita_23, Zulu_31,

Genes that have the "Most Annotated" start but do not call it:
• Aliter_30, Alma_30, BabyBack_30, BobSwaget_31, Cindaradix_26, CloudWang3_31, Colin_32, DekHockey33_30, Eidsmoe_30, Gratitude_29, HortumSL17_30, Jordennis_31, Kalpine_31, Lokk_31, MarysWell_23, Miramae_27, Myxus_30, Noelle_27, PackMan_30, Paphu_26, Phaeder_30, Qobbit_30, StepMih_29, SwirlSquare_30, Terrific_32, WeiHuaDA_34, XianYue_28,

Genes that do not have the "Most Annotated" start:
• 244_26, 32HC_26, 8UZL_21, A6_25, ABCat_23, AFIS_27, APunk_36, Abblin_35, Abbyshoes_28, Abrogate_280, Abscondus_47, Acme_29, Acquire49_18, ActinUp_23, Adahisdi_28, Adelaide_17, Adephagia_23, Adnama_27, Adonis_23, Adora_20, Aegeus_18, Aeneas_29, Affeca_33, Agaliana_28, Agatha_18, Agent47_21, Ageofdapage_23, Aggie_18, Agueybana_19, AikoCarson_17, Ailee_33, Ajay_28, Akhila_17, Alatin_23, Aleemily_19, Alexphander_18, Ali17_31, AlishaPH_23, Alkhayr_54, Aloeri_17, Alpacados_22, AlpineSix_16, Alsfro_31, Altman_29, AlumE_19, Alvin_28, Amao_24, Amelie_19, AmericanBeauty_26, Amgine_21, Aminay_21, Amochick_22, Amohnition_22, Amok_17, Amymech_22,

Anaya_24, AndPeggy_17, Andies_18, Angel_18, Angelica_23, Angelicage_33, Angelique_20, Anglerfish_28, AngryOrchard_22, Annalisa_20, Annihilator_18, Antonio_19, Antsirabe_18, Aphelion_48, Apiary_45, Apocalypse_23, AppleCloud_21, Applecrisp_22, Applejack_27, Appletree2_18, Arcanine_28, ArchiDore_19, Archie_18, Archimedes_16, Archis_20, ArcusAngelus_16, Ardmore_16, Argent26_26, Arianna_19, Arib1_19, Ariel_34, Arlo_26, Aroostook_18, Arri_34, Arti_41, Asayake_23, Ashballer_27, Ashertheman_35, Ashwin_58, Asriel_23, Atcoo_19, Atiba_23, Atkinbua_29, Attis_17, Aubs_16, AuntGwenStacy_24, Auspice_28, AvadaKedavra_18, Avani_19, Avocado_18, Avrafan_18, Awesomesauce_17, Axym_18, Ayotoya_22, Azira_20, Aziz_32, Azrael100_39, AzulaCat_18, Azula_21, BAKA_34, BBQValindra_19, BEEST_23, BGlluviae_23, BK1_25, BPBiebs31_28, BPs_18, BQuat_18, BabeRuth_18, BaboJay_23, Babsiella_19, BabyMoney_21, Bachita_50, BackstagePass_19, BaconJack_29, BadStone_23, Baddon_34, BaghaKamala_23, Bakery_32, Balomoji_23, Banquo_26, Bantam_30, Baoshan_17, Barb_33, Barbarian_23, Barco_19, Barkley26_18, BarrelRoll_23, Barriga_27, BarrowTuph_26, Barsten_35, Bartholomew_19, Bask21_24, BatStarr_19, Batiatus_16, Baudelaire_18, Baumdotcom_34, Bavilard_18, BaxterFox_18, Bazzle_18, Beakin_17, BearBQ_19, Beatrix_27, Becksu_24, BeeGee_20, Beelzebub_54, Beenie_20, BeesKnees_28, Beezoo_23, Begonia_20, Belenaria_23, Bella96_23, Belladonna_23, Bellis_19, Belphegor_33, Bench_26, Bern_25, Bernal13_19, Bethlehem_27, BetterKatz_22, Bexan_26, Bhagsy_19, BiPauneto_44, Bialota_19, Bibwit_34, Big3_27, BigBubba_25, BigCheese_18, BigChungus_17, BigMau_29, BigNuz_18, BigPaolini_28, BigPhil_17, Bigchungi_27, Bigfoot_26, Biglebops_19, BilboSwaggins_24, BillDoor_20, BillKnuckles_28, Bipolar_16, Bipper_24, Bircsak_27, Birdsong_19, Biskit_19, Bizzy_35, Bjanes7_17, Blackbeetle_50, Blarby_20, Blessica_57, Blexus_16, BlingBling_19, Blino_19, Blizzard_23, Blondies_18, BluSpix_27, BlueCrab_16, BlueNGold_100, Blue_27, Blueberry_21, Bob3_26, BobBob_32, BobaPhett_16, Bobby_38, Bobi_18, Bobquesha_25, BobsGarage_18, Bock_22, BodEinwohner17_16, Bogie_18, Boiiii_23, Boilgate_20, Bombitas_33, Bonanza_23, Bones_27, Bongo_28, Bonum_44, Boomer_17, Boopy_101, BoostSeason_19, Bora_54, Bosection6_18, Bosnia_19, BourbonZero_18, Bowser_19, BoyNamedSue_19, Bradissa_20, Bradshaw_23, BrainDrainer_19, Bran_17, Brandonk123_36, Braxoaddie_45, Breezona_18, Bricole_28, BritBrat_20, Briton15_29, Brocalys_16, Bromden_19, Brookers_17, BruceB_18, Bruin_24, Brujita_19, Bruns_26, Brusacoram_19, Brushbloom_18, BrutonGaster_36, Bryce_23, Bryler_22, Brylie_22, Bubbles123_17, Buck_23, Buggaboo_42, BugsBunny_22, Bunker_19, Bunnies_19, Bunnybear_18, Burnsey_18, Burton_28, Burwell21_16, Butters_18, Button_19, Buttons_29, Buttrmlkdreams_18, BuzzLyseyear_18, Bxb1_25, ByChance_16, Byougenkin_16, C3PO_31, CLED96_18, CREW_23, Cabrinians_16, CactusJack_19, CactusRose_26, Cactus_25, Cafasso_19, Cain_22, CallaLilly_24, Calm_18, Cambiare_19, Camri_18, Camster_19, CanesSauce_18, Caprice_47, Capricorn_23, CaptainKirk2_19, CaptainTrips_17, Carcharodon_18, Cardigan_47, Carlyle_29, CarolAnn_19, Carsonalex_19, CaseJules_23, Cashline_20, CassieYates_18, Catdawg_56, Catfish_22, Cedasite_18, Cerasum_17, ChadMasterC_35, Chanagan_26, Chance64_18, Chancellor_24, Charlie_18, Charming_35, Chaser_18, Chavito_23, Che8_16, Che9d_19, CheetoDust_23, Cheetobro_24, CherryCola_35, Cherrybomb426_18, CherryonLim_19, Chevrolet_16, Chewbacca_18, ChewyVIII_56, Chickadee_32, ChickenDinner_17, ChickenTender_20, ChocoMunchkin_18, Chop_22, ChosenOne_23, ChotaBhai_24, Chris_22, Chuckly_16, Ciao_27, CicholasNage_18, Cjw1_24, ClamChowder_33, Clap_17, Clark_20, Clarkson_51, Claus_18, Clautastrophe_19, Cleo_18, Clifton_16, Clipper_25, Clown_35, ClubL_48, Coco12_18, CoffeeBean_45, Coleslaw_18, Collard_21, Colleen_19,

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Phrank_22, Phrankenstein_23, Phrann_18, Phreak_18, PhriskyACE_19, PhrostedPhlake_20, PhrostyMug_27, Phrux_24, Piatt_23, Pickett_17, Pimento_23, PinkCoffee_33, PinkPlastic_26, PinkYoshi_18, Pinnie_19, Pinto_30, Piper2020_17, Pipp_19, Pippin_29, Pippy_16, Pipsqueaks_18, Pita2_29, Pixie_22, Plagueis_18, Pleakley_50, Plumbus_17, Poenanya_16, Poise_50, Pokerus_22, Policronamos_24, Polka14_17, Polkaroo_19, Pollux_20, Polly_19, Polyyuki_45, Pons_18, Poochiewood_18, PopTart_16, Porcelain_33, Porky_24, Portcullis_31, Posh_20, PotPie_18, PotatoChip_34, Poushou_19, Powerball_19, PrincePatrick_19, Pringar_50, Priscilla_16, Prithvi_23, ProMouse_26, PsychoKiller_18, PullumCavea_31, Pumpkin_26, Puppers_18, Purgamenstris_18, Purky_18, Pygmy_18, Pytheas_20, QTRlifeCrisis_27, Quallification_25, Quasar_18, Quby_18, QueenHazel_19, QuickMath_17, Quico_17, QuincyRose_22, REQ2_20, REQ3_50, RER2_16, RGL3_16, Rabbitrun_30, Rabbs_18, Radiance_16, Raela_50, Raid_28, Rajelicia_27, Rakim_25, Ramen_23, Ramsey_17, RanchParmCat_21, Rapunzel97_23, Rasputin_23, RavenCo17_17, RayTheFireFly_19, Raymond7_18, Rearden_31, Rebel_18, Red305_19, RedBaron_19, RedBird_16, RedRaider77_50, RedRaider_48, Redi_18, Redno2_35, Reindeer_26, Rem711_25, Remy19_18, Renaissance_18, Reptar3000_24, RexFury_23, Rey_32, Reyja_19, Rhodalysa_23, Rhynn_27, Rialto_18, Ribeye_35, Richo_23, RidgeCB_27, Rimmer_23, Ringer_27, RitaG_16, Rita_16, RiverMonster_24, RiverRaider_35, RoadKill_30, Rockne_16, RockyHorror_17, Rofo_35, RogerDodger_34, Rohr_28, RonRayGun_19, Ronaldo_56, Rose5_18, Rosmarinus_23, Royals2015_16, Rubeelu_18, Rubeus_28, Ruby_16, Rufus_28, Rumpelstiltskin_18, Ruotula_26, Rutherferd_29, Ruthiejr_23, Ruthy_19, Ryadel_60, SG4_16, STLscum_28, Saal_16, Sagefire_28, Sahara_17, Saints25_25, Salvador_31, SamScheppers_22, SamW_17, Samba_19, Samman98_20, Sampson_35, Samty_19, SamuelLPlaqson_23, Sandaddy_26, Sandalphon_17, Sanjuju_33, Santhid_18, Sanya_26, Sapo_16, SarFire_27, Sarma624_17, Saronaya_34, Sarshaun_18, Sassafras_16, Sassay_23, SassyB_16, Savage_17, Savbucketdawg_31, Scarlett_22, Schatzie_34, Schiebel_18, Schmidt_20, Schnabeltier_19, Schnauzer_18, SchoolBus_56, SchottB_33, Schuy_57, Scioto_35, Scitech_18, Scottish_17, Scowl_28, Scuba_50, Seabastian_16, Seabiscuit_29, Seagreen_17, Seanderson_28, Sedona_35, Sekhmet_20, Sephiroth_28, SgtBeansprout_19, ShaboiShabazz_18, Shaboozey_28, Shadow1_21, ShamWow_24, Shaobing_23, Shauna1_16, SheckWes_17, ShedlockHolmes_22, Sheng711_18, ShereKhan_26, ShiLan_16, ShiaSurprise_23, Shida_56, Shinji_31, Shipwreck_18, Shivanishola_36, Shlim410_20, ShortQueendom_26, ShowerHandel_16, ShrimpFriedEgg_18, ShroomBoi_16, Shuman_23, Shweta_18, SiSi_16, Sibs6_29, Sidious_19, Silvafighter_18, SilverChicken_19, Silverleaf_18, Silvy_18, Simpliphy_25, SimranZ1_17, SirDuracell_23, SirPhilip_22, Sitar_35, Sixama_99, Sizemore_18, SketchMex_17, SkiPole_29, SkinnyPete_18, Skinny_29, Skysand_43, Slagathor_28, Slarp_24, Sleepyhead_18, SlimJimmy_27, Slim_18, Slimphazie_23, Smairt_28, Smeagol_29, SmokingBunny_31, Smooch_59, Smoothie_49, Smurph_18, Snazzy_26, Sneeze_18, Snekmaggedon_18, Snenia_19, SoJulia_18, SoSeph_21, Soap141_18, Socotra_19, SoilAssassin_17, Solon_27, Sonah_19, Sopespian_18, SophKB_24, Sorpresa_27, Sotrice96_24, Soul22_19, Sparkdehlily_16, Sparky_16, SpeedDemon_320, SpikeBT_29, Spikelee_17, Splinter_22, Spock_23, SpongeBob_18, Spoonbill_16, Sproutie_17, Squee_28, Squint_33, Squirty_17, StAB_17, StAnnes_16, StCroix_23, Stank_27, Stap_17, StarStruck_42, Starburst_19, Starcevich_17, Stargaze_18, Stark_25, SteamedHams_20, StellaBean_24, StevieRay_19, StewieG_26, Stickynote_33, Stiles_17, Stinson_23, StolenFromERC_26, StormChicken_24, StorminNorm_34, StressBall_19, Strobilo_19, Strokeseat_16, StrongArm_26, Stultus_33, Suerte_18, Sukkupi_43, Sulley_23, SummitAcademy_17, Sumter_26,

Sunflower1121_21, Sunshine924_26, SuperGrey_17, SuperSulley_42, Superphikiman_34, Survivors_20, Suscepit_19, SwagPigglett_16, Swann_23, SweatNTears_20, Sweets_18, SwissCheese_28, Switzer_28, Swole_29, Syleon_28, Syra333_22, TBond007_22, TBrady12_26, TChen_17, TClif_22, TDanisky_16, TM4_19, TPA4_19, TWAMP_23, TZGordon_24, Tachez_23, Taheera_18, TaiwanKao_24, Taj_16, Takoda_23, Tangent_35, Tangerine_34, Tapioca_18, Taquito_22, Tardus_36, Target_30, Tarkin_26, TaronosaurasRx_19, Tarzan_18, Tasp14_28, Tayonia_19, Tchotchke_17, TeardropMSU_23, Teaspoon_25, Techage_19, Teejan_19, TelAviv_53, Teodoridan_25, Terminus_24, Terror_18, Tesla_49, ThankyouJordi_18, TheloniousMonk_29, Thespis_19, Thibault_33, Thimann_20, Thimble_24, Thing3_34, Thor_27, ThreeRngTarjay_35, Thresher_25, ThulaThula_18, Thyatira_21, Tiamoceli_33, Tierra_22, TillyBobJoe_31, TimTam_19, TinaBug_18, TinaLin_25, TingHuaYa_23, TiniBug_23, TinyDot_19, Tiri_23, Toast_19, Togo_31, Tolls_20, TomBrady_18, Tomaszewski_23, Toniann_48, TootsiePop_17, Tootsieroll_17, Topgun_27, Topper_23, Torres_19, Tortellini_18, Tortoise12_18, Tote_29, Totinger_17, Toto_24, TouchMeNot_19, Tourach_18, Towmatter_29, Traaww1_22, Tracker_41, Traft412_29, Trax_28, Treddle_29, TreyKay_23, TriFive_19, TribleTrouble_21, Trine_18, Tripl3t_28, Troje_18, Trouble_28, Troy_17, TruffulaTree_23, Trumpet_19, Tuco_25, TuertoX_17, Turj99_26, Turuncu_45, Tweety_16, Twinkle_20, Twister6_33, Twitch_23, TwoPeat_28, Twonlo_30, TyDawg_28, Tycho_34, Typha_24, Typhonomachy_19, Tyson_18, U2_27, UPIE_18, Ubuntu_22, UhSalsa_23, Ukulele_24, UmaThurman_19, UncleRicky_17, Underpass_18, Unicorn_22, Upyo_18, Urkel_23, Utz_19, VRedHorse_16, Vagabond_56, Valary_34, Validus_23, VanDeWege_34, VanLee_20, Vasanti_17, VasuNzinga_50, Veliki_23, Velveteen_17, Vendetta_22, Venti_19, Verity_34, Veteran_16, Vetrix_18, ViaConlectus_35, Vidya_19, Vine_19, Violac_17, Violet_26, Vivi2_37, ViviJ_20, Vivum_16, Volt_55, Vordorf_22, Vorrps_56, Wachhund_16, Walrus_20, Wamburgrxpress_18, Wanda_37, Waterfoul_21, Watermelon_29, Webster2_22, Wee_17, Weirdo19_19, WelcomeAyanna_18, Wendigo_18, Whack_18, Whatsapiecost_16, WheatThin_22, Wheeler_27, Wheezy_41, Whirlwind_20, Whiteclaw_17, Whitty_19, WhoseManz_43, Whouxphf_16, Widow_18, Wiggin_27, Wigglewiggle_18, Wildcat_40, Wilder_18, Wildflower_56, Wilkins_27, WillSterrel_17, Willez_23, WilliamBoone_48, William_19, Willsammy_19, Winget_57, WinkNick_20, Winky_18, Wintermute_24, Wishmaker_22, Wisp_18, Wizard_31, Wocket_20, Wogge42_55, Wrigley_20, Wyatt2_18, XFactor_16, Xandras_26, Xavia_19, Xeno_18, Xerxes_18, Ximenita_23, Xula_18, Y10_24, Y2_24, Yakult_19, Yarn_17, YassJohnny_25, Yeet412_17, Yeezy_20, Yndexa_43, Yogi_23, Yoncess_23, Yorick_16, YorkOnyx_35, Yoshi_19, Youngblood_24, YoureAdopted_22, Yucky_20, Yummy_19, Yuna_24, YungJamal_61, YungMoney_33, Yunkel11_23, Yvonnetastic_45, ZAYM_19, Zabiza_23, Zakai_18, Zakhe101_56, Zameen_19, Zapner_20, Zarbodnamra_19, Zareef_22, Zaria_18, Zavala_23, Zebo_55, Zeeculate_27, Zelink_38, ZenTime222_19, Zephyr_27, Zerg_16, Zeuska_28, ZhongYanYuan_17, ZiggyZoo_18, Ziko_56, Zilizebeth_19, Zion_34, Zipp_34, Zirinka_19, Zitch_36, Zizzle_16, ZoMa_18, Zodiariah_18, ZoeJ_19, Zombie_18, xkcd_25,

Summary by start number:

Start 20:
• Found in 5 of 2509 (0.2%) of genes in pham
• Manual Annotations of this start: 5 of 2216
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Azrael100_39 (V), Cosmo_40 (V), EniyanLRS_37 (V), MaryV_40 (V), Wildcat_40 (V),

Start 93:
• Found in 33 of 2509 (1.3%) of genes in pham
• No Manual Annotations of this start.
• Called 15.2% of time when present
• Phage (with cluster) where this start called: CherryCola_35 (DC1), CoveyB_34 (DC1), Egi03_33 (DC1), Gezellig_32 (DC1), Shinji_31 (DC1),

Start 103:
• Found in 25 of 2509 (1.0%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 4.0% of time when present
• Phage (with cluster) where this start called: Appletree2_18 (L1),

Start 111:
• Found in 109 of 2509 (4.3%) of genes in pham
• Manual Annotations of this start: 74 of 2216
• Called 76.1% of time when present
• Phage (with cluster) where this start called: Affeca_33 (DE1), Ailee_33 (DE1), Angelicage_33 (DE1), Arri_34 (DC1), Ashertheman_35 (DE1), Baddon_34 (DE1), Bakery_32 (DC1), Barb_33 (DC1), Barsten_35 (DE1), Baumdotcom_34 (DE1), Bibwit_34 (DE1), Bizzy_35 (DE1), BobBob_32 (DE1), Brandonk123_36 (DE1), ChadMasterC_35 (DE1), Charming_35 (DE1), ClamChowder_33 (DC1), Clown_35 (DC2), Danyall_33 (DC1), Derg_30 (DE1), Evamon_31 (DC1), Fireball_32 (DC1), Fitzgerald_33 (DE1), Flatwoods_35 (DE1), Fosterous_33 (DE1), FuegoCuervo_37 (DE1), Fugax_33 (DC1), Gaea_34 (DE1), Galadriel_35 (DE1), Geodirt_32 (DE1), Gustavo_34 (DE1), Halo3_32 (DC1), JKSyngboy_32 (DE1), Jabberwocky_33 (DE1), Jambalaya_31 (DC1), Kamashten_34 (DE1), Keitabear_35 (DE1), Kewpiedoll_34 (DE1), KimmyK_33 (DC1), Kroos_35 (DE1), Kwobi_35 (DE1), Lennon_35 (DE1), LilHam_32 (DE1), Love_38 (DE1), McKinley_37 (DE1), MoontowerMania_34 (DE1), Mutzi_33 (DC1), Nordenberg_29 (DE1), Nubi_31 (DC1), Paries_37 (DE1), Phlop_31 (DC1), PinkCoffee_33 (DC1), Poochiewood_18 (L1), Portcullis_31 (DC1), PullumCavea_31 (DC1), Ribeye_35 (DE1), RiverRaider_35 (DE1), Rofo_35 (DE1), RogerDodger_34 (DC1), Salvador_31 (DC1), Sanjuju_33 (DE1), Saronaya_34 (DE1), Savbucketdawg_31 (DC1), SchottB_33 (DE1), Sedona_35 (DE1), Shivanishola_36 (DE1), Sitar_35 (DE1), SmokingBunny_31 (DC1), StorminNorm_34 (DE1), Stultus_33 (DE1), Tangent_35 (DE1), Tangerine_34 (DE1), Thing3_34 (DE1), TillyBobJoe_31 (DC1), Togo_31 (DC1), Twister6_33 (DC1), Tycho_34 (DE1), Valary_34 (DC1), VanDeWege_34 (DC1), Vivi2_37 (DE1), Wizard_31 (DC1), YorkOnyx_35 (DE1), YungMoney_33 (DC1),

Start 116:
• Found in 4 of 2509 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: FF47_21 (AB),

Start 119:
• Found in 45 of 2509 (1.8%) of genes in pham
• Manual Annotations of this start: 3 of 2216
• Called 11.1% of time when present

• Phage (with cluster) where this start called: GardenSalsa_32 (M2), GenevaB15_32 (M2), Izel_27 (M1), KleverKiS_28 (M1), MrMagoo_32 (M2),

Start 120:
• Found in 32 of 2509 (1.3%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Murai_57 (O), Wildflower_56 (O),

Start 121:
• Found in 48 of 2509 (1.9%) of genes in pham
• Manual Annotations of this start: 6 of 2216
• Called 16.7% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_24 (Y), Bipper_24 (Y), Bogie_18 (P1), Cracklewink_24 (Y), Faiyaz_24 (Y), GreaseLightnin_19 (P1), Hilltopfarm_24 (Y), Typha_24 (Y),

Start 122:
• Found in 83 of 2509 (3.3%) of genes in pham
• No Manual Annotations of this start.
• Called 1.2% of time when present
• Phage (with cluster) where this start called: ZAYM_19 (DB),

Start 125:
• Found in 1 of 2509 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DS6A_21 (singleton),

Start 126:
• Found in 32 of 2509 (1.3%) of genes in pham
• Manual Annotations of this start: 26 of 2216
• Called 93.8% of time when present
• Phage (with cluster) where this start called: Alkhayr_54 (O), Ashwin_58 (O), Blessica_57 (O), Bora_54 (O), Catdawg_56 (O), Corndog_59 (O), Dylan_56 (O), Familton_57 (O), Firecracker_57 (O), FoulBall_56 (O), Idergollasper_56 (O), JangDynasty_56 (O), KingPhillip3_55 (O), Krili_55 (O), MadKillah_57 (O), Mori_56 (O), NiebruSaylor_55 (O), Ryadel_60 (O), SchoolBus_56 (O), Schuy_57 (O), Shida_56 (O), Smooch_59 (O), TelAviv_53 (O), Vagabond_56 (O), Vorrps_56 (O), Winget_57 (O), Wogge42_55 (O), YungJamal_61 (O), Zakhe101_56 (O), Zebo_55 (O),

Start 128:
• Found in 22 of 2509 (0.9%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Auspice_28 (M1), Rey_32 (M2),

Start 129:
• Found in 2 of 2509 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 50.0% of time when present
• Phage (with cluster) where this start called: TChen_17 (F4),

Start 131:
• Found in 102 of 2509 (4.1%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 1.0% of time when present
• Phage (with cluster) where this start called: LilSpotty_18 (singleton),

Start 132:
• Found in 8 of 2509 (0.3%) of genes in pham
• Manual Annotations of this start: 8 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adelaide_17 (EP), Bran_17 (EP), Dina_17 (EP), Lederberg_17 (EP), SamW_17 (EP), StAB_17 (EP), Stiles_17 (EP), Troy_17 (EP),

Start 133:
• Found in 3 of 2509 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Yuna_24 (K6),

Start 134:
• Found in 2 of 2509 (0.1%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aegeus_18 (L5), Baudelaire_18 (L5),

Start 135:
• Found in 4 of 2509 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Mercurio_20 (G4),

Start 136:
• Found in 456 of 2509 (18.2%) of genes in pham
• Manual Annotations of this start: 48 of 2216
• Called 14.7% of time when present
• Phage (with cluster) where this start called: Acquire49_18 (L1), AvadaKedavra_18 (L1), BabyBack_30 (A2), Bellis_19 (L3), BobSwaget_31 (A2), BourbonZero_18 (L3), BrainDrainer_19 (L4), Bromden_19 (L4), Calm_18 (L1), Chaser_18 (L4), CicholasNage_18 (L1), Clautastrophe_19 (L3), CloudWang3_31 (A6), Colin_32 (A2), DekHockey33_30 (A15), DirkDirk_18 (L1), Douge_18 (L4), Douzhi_18 (L4), DuncansLeg_19 (L3), DyoEdafos_19 (L4), Ellson_19 (L3), Enceladus_18 (L1), FarmResident_18 (L4), Finnry_19 (L3), Gratitude_29 (A2), Halena_18 (L1), Jobypre_19 (L3), JoeDirt_18 (L1), Jordennis_31 (A6), Jubie_19 (L3), Kalpine_31 (A2), Kingsolomon_19 (L3), KirDoubleO7_17 (L3), Kropertea_18 (L4), Krypton555_19 (L3), LeBron_18 (L1), Lemuria_19 (G4), LiyuLake_19 (L3), Lokk_31 (A2), Lolly9_19 (L3), Lumos_19 (L3), MAckerman_18 (L1), MiniLon_19 (L3), MiniMac_19 (L3), Moostard_19 (L3), MsGreen_19 (L3), Nicholas_19 (L3), OhShagHennessy_18 (L1), PYPDinur_18 (L4), Quby_18 (L4), Red305_19 (L3), Rose5_18 (L1), Samty_19 (L3), Sheng711_18 (L4), Silverleaf_18 (L1), Snenia_19 (L3), SwirlSquare_30 (A2), Terrific_32 (A2), TriFive_19 (L3), Tyson_18 (L1), UPIE_18 (L1), Wamburgrxpress_18 (L1), WeiHuaDA_34 (A2), Whirlwind_20 (L3), Wyatt2_18 (L1), XianYue_28 (A2),

Zaria_18 (L1),

Start 137:
• Found in 69 of 2509 (2.8%) of genes in pham
• Manual Annotations of this start: 45 of 2216
• Called 73.9% of time when present
• Phage (with cluster) where this start called: Arib1_19 (P1), Atcoo_19 (P1), Bartholomew_19 (P1), Bhagsy_19 (P1), BigNuz_18 (P4), BritBrat_20 (CY2), Brusacoram_19 (P1), Bunnies_19 (P1), CactusJack_19 (P1), Camster_19 (P1), Donovan_19 (P1), Dynamo_19 (P1), Etoile_19 (P1), FirstPlacePfu_19 (P1), Fishburne_19 (P1), Gavriela_19 (P1), Glaske_19 (P1), HUHilltop_19 (P1), Jebeks_19 (P1), Jung_19 (P1), Juniormint_19 (P1), Kari_19 (P1), KilKor_19 (P1), Ksquared_19 (P1), Langerak_19 (P1), Majeke_19 (P1), Malithi_19 (P1), Mangethe_19 (P1), Megiddo_19 (P1), Nazo_18 (P4), Necropolis_19 (P1), Phalm_19 (P1), Phayonce_18 (P5), Phegasus_19 (P1), Phineas_19 (P1), Polkaroo_19 (P1), Purky_18 (P6), Pygmy_18 (P1), Shipwreck_18 (P1), Sonah_19 (P1), StevieRay_19 (P1), StressBall_19 (P1), Techage_19 (P1), Thespis_19 (P1), ThulaThula_18 (P5), Tortellini_18 (P2), Venti_19 (P1), Vidya_19 (P1), Willsammy_19 (P1), Xavia_19 (P3), Zilizebeth_19 (P1),

Start 138:
• Found in 12 of 2509 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Sixama_99 (DS),

Start 139:
• Found in 6 of 2509 (0.2%) of genes in pham
• Manual Annotations of this start: 4 of 2216
• Called 83.3% of time when present
• Phage (with cluster) where this start called: 8UZL_21 (AB), JacoRen57_17 (AB), Maco6_19 (AB), Muddy_21 (AB), NoShow_18 (AB),

Start 140:
• Found in 2 of 2509 (0.1%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MalagasyRose_24 (AG), Nergal_22 (AG),

Start 141:
• Found in 101 of 2509 (4.0%) of genes in pham
• Manual Annotations of this start: 37 of 2216
• Called 53.5% of time when present
• Phage (with cluster) where this start called: AndPeggy_17 (CT), Ariel_34 (J), BAKA_34 (J), Biskit_19 (CT), Bobby_38 (J), Bombitas_33 (J), Burnsey_18 (CT), CanesSauce_18 (CT), Carsonalex_19 (CT), CherryonLim_19 (CT), ChocoMunchkin_18 (CT), Constella_31 (J), Courthouse_34 (J), DmpstrDiver_35 (J), Dove_34 (J), Ejimix_37 (J), Eliott_18 (CT), GoldHunter_19 (CT), Gonephishing_32 (J), Hannaconda_31 (J), Hughesyang_35 (J), Kalah2_37 (J), KashFlow_28 (J), Klein_37 (J), LittleE_37 (J), Lucky2013_34 (J), Marleymoo_41 (J), MiaZeal_34 (J), Minerva_37 (J), Nekros_34 (J), Nodigi_20 (CT), Odette_36 (J), Omega_36 (J), Optimus_35 (J), Phoebus_36 (J), Pons_18 (CT), Porcelain_33 (J), PotPie_18 (CT),

PsychoKiller_18 (CT), Rearden_31 (J), RedBaron_19 (CT), Redno2_35 (J), Schatzie_34 (J), Shaboozey_28 (J), SketchMex_17 (CT), Socotra_19 (CT), Sopespian_18 (CT), Squint_33 (J), Starburst_19 (CT), Thibault_33 (J), ThreeRngTarjay_35 (J), Wanda_37 (J), Yucky_20 (CT), Zelink_38 (J),

Start 142:
• Found in 233 of 2509 (9.3%) of genes in pham
• Manual Annotations of this start: 207 of 2216
• Called 99.1% of time when present
• Phage (with cluster) where this start called: Akhila_17 (F1), Alexphander_18 (F1), Aloeri_17 (F1), AlpineSix_16 (F1), ArcusAngelus_16 (F1), Ardmore_16 (F1), Aubs_16 (F1), Awesomesauce_17 (F1), Batiatus_16 (F1), Beakin_17 (F1), BigPhil_17 (F1), Bipolar_16 (F1), Blexus_16 (F1), BlueCrab_16 (F1), BobaPhett_16 (F1), Bobi_18 (F1), BodEinwohner17_16 (F1), Boomer_17 (F1), Brocalys_16 (F1), Brookers_17 (F1), Brushbloom_18 (F1), Bubbles123_17 (F1), Burwell21_16 (F1), BuzzLyseyear_18 (F1), ByChance_16 (F1), Byougenkin_16 (F1), Cabrinians_16 (F1), CaptainTrips_17 (F1), Cerasum_17 (F1), Che8_16 (F1), Chevrolet_16 (F1), ChickenDinner_17 (F1), Chuckly_16 (F1), Clifton_16 (F1), Coco12_18 (F1), Corium_16 (F1), Cornucopia_17 (F1), Crumble_16 (F1), DLane_16 (F1), DRBy19_16 (F1), DaWorst_18 (F1), DaddyRickover_16 (F1), Daenerys_16 (F1), Dante_16 (F1), DeadP_16 (F1), Deb65_16 (F1), DillTech15_16 (F1), DoRead_16 (F1), DocMcStuffins_17 (F1), Donkeykong_16 (F1), Doomphist_16 (F1), Dorothy_16 (F1), DosHalletts_17 (F1), DotProduct_16 (F1), Doug_17 (F1), Drago_17 (F1), Eish_16 (F1), EleanorGeorge_16 (F1), EmiMonkey_16 (F1), Emma_16 (F1), Emmaloid_18 (F1), Empress_17 (F1), Enby_17 (F1), Eradicator_16 (F1), Estave1_16 (F1), Fancypants_16 (F1), Fastidio_16 (F1), Filuzino_16 (F1), Firehouse51_17 (F1), Flathead_17 (F1), Florinda_16 (F1), Frankie_17 (F1), FreddyB_16 (F1), Fruitloop_16 (F1), GUmbie_16 (F1), Galactic_16 (F1), Gandalph_16 (F1), Geralt_16 (F1), GigiOuiOui_16 (F1), Girafales_17 (F1), Girr_16 (F1), Gorge_16 (F1), Grimmer_17 (F1), Hades_16 (F1), Hamulus_16 (F1), Harley_16 (F1), Hegedechwinu_17 (F1), Hlubikazi_16 (F1), IMpilo_16 (F1), IbOuu_16 (F1), Ibhubesi_16 (F1), Inventum_16 (F1), IrishSherpFalk_17 (F1), JalFarm20_18 (F1), James_16 (F1), Jant_16 (F1), Jarcob_16 (F1), Jinglebell_15 (F1), Job42_19 (F1), JoeyJr_16 (F1), Juice456_18 (F1), Juniper1_16 (F1), Karhdo_16 (F1), Kenuha5_16 (F1), Kimberlium_18 (F1), KingJulian_16 (F1), KingMidas_17 (F1), Kingsley_17 (F1), Koella_16 (F1), Krakatau_17 (F1), KristaRAM_17 (F1), LastJedi_16 (F1), Latretium_17 (F1), Leozinho_17 (F1), Leperchaun_16 (F1), LilMoolah_16 (F1), LittleShirley_17 (F1), Lizziana_16 (F1), Llama_16 (F1), Llij_16 (F1), Lorde_17 (F1), Madiba_17 (F1), Mahavrat_16 (F1), Mandlovu_16 (F1), Mantra_16 (F1), Maravista_16 (F1), Marker_17 (F1), Martik_16 (F1), Mattes_16 (F1), Melissauren88_16 (F1), MilanaBonita_17 (F1), MilleniumForce_17 (F1), MinionDave_17 (F1), Minnie_17 (F1), Misha28_17 (F1), MisterCuddles_16 (F1), Modragons_16 (F1), Moonbeam_17 (F1), Mova_17 (F1), Mozy_17 (F1), Ms6_16 (F1), MulchExplorer_19 (F1), MulchSalad_16 (F), Mutaforma13_16 (F1), Nimbo_16 (F1), Nivrat_16 (F1), NormanBulbieJr_16 (F1), Ochi17_16 (F1), OfUltron_16 (F1), Ogopogo_19 (F1), Oksu_17 (F1), OldBen_16 (F1), OlympiaSaint_16 (F1), Ovechkin_16 (F1), OwlsT2W_18 (F1), PHappiness_16 (F1), PMC_16 (F1), Pacc40_16 (F1), Phalconet_16 (F1), Phanphagia_16 (F1), Phasih_17 (F1), Phatniss_17 (F1), PhesterPhotato_16 (F1), Philus_16 (F1), PhlipPhlop_16 (F1), Piper2020_17 (F1), Pippy_16 (F1), Plumbus_17 (F1), Poenanya_16 (F1), Polka14_17 (F1), PopTart_16 (F1), Priscilla_16 (F1), QuickMath_17 (F1), Quico_17 (F1), Radiance_16 (F1), Ramsey_17 (F1), RedBird_16 (F1), Rialto_18 (F1), RitaG_16 (F1), Rita_16 (F1), Rockne_16 (F1), RockyHorror_17 (F1), Royals2015_16 (F1), Ruby_16 (F1), SG4_16 (F1), Saal_16 (F1), Sandalphon_17 (F1), Sassafras_16 (F1),

SassyB_16 (F1), Scottish_17 (F1), Seabastian_16 (F1), Seagreen_17 (F1), Shauna1_16 (F1), ShiLan_16 (F1), ShowerHandel_16 (F1), ShroomBoi_16 (F1), SiSi_16 (F1), SimranZ1_17 (F1), Slim_18 (F1), Sparkdehlily_16 (F1), Spikelee_17 (F1), Spoonbill_16 (F1), Squirty_17 (F3), StAnnes_16 (F1), Stap_17 (F1), Starcevich_17 (F1), Strokeseat_16 (F1), SuperGrey_17 (F1), SwagPigglett_16 (F1), TDanisky_16 (F1), Taj_16 (F1), Tchotchke_17 (F1), TootsiePop_17 (F1), Tootsieroll_17 (F1), Totinger_17 (F1), Tweety_16 (F1), UncleRicky_17 (F1), VRedHorse_16 (F1), Velveteen_17 (F1), Veteran_16 (F1), Violac_17 (F1), Vivum_16 (F1), Wachhund_16 (F1), Wee_17 (F1), Whatsapiecost_16 (F1), Whouxphf_16 (F1), WillSterrel_17 (F1), XFactor_16 (F1), Yorick_16 (F1), Zerg_16 (F1), Zizzle_16 (F1),

Start 143:
• Found in 6 of 2509 (0.2%) of genes in pham
• Manual Annotations of this start: 6 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_53 (DP), Guey18_58 (DP), Keelan_51 (DP), Ronaldo_56 (DP), Volt_55 (DP), Ziko_56 (DP),

Start 144:
• Found in 12 of 2509 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 16.7% of time when present
• Phage (with cluster) where this start called: MarysWell_23 (A5), Nitzel_17 (F1),

Start 146:
• Found in 51 of 2509 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 2.0% of time when present
• Phage (with cluster) where this start called: Amgine_21 (K6),

Start 147:
• Found in 187 of 2509 (7.5%) of genes in pham
• Manual Annotations of this start: 120 of 2216
• Called 66.3% of time when present
• Phage (with cluster) where this start called: 244_26 (E), ABCat_23 (E), Adnama_27 (E), Aggie_18 (N), AmericanBeauty_26 (E), Andies_18 (N), Argent26_26 (E), BabeRuth_18 (N), BaboJay_23 (E), BadStone_23 (E), Balomoji_23 (E), BigBubba_25 (E), Bosection6_18 (N), Buck_23 (E), Butters_18 (N), Cactus_25 (E), Carcharodon_18 (N), Charlie_18 (N), Chewbacca_18 (N), ChosenOne_23 (E), Command613_25 (E), Contagion_23 (E), Cookies_24 (E), CrystalP_24 (E), Czyszczon1_25 (E), DrDrey_25 (E), Duplicity_18 (N), Dusk_23 (E), EGUnicorn_19 (N), Elite2014_23 (E), Elph10_25 (E), Eureka_24 (E), Filch_25 (E), Fulbright_18 (N), Gator_22 (E), Gemini_27 (E), Gex_18 (N), Goku_24 (E), GoldenSpark_26 (E), Goldilocks_25 (E), GooberAzure_26 (E), HanKaySha_25 (E), Hanako_18 (N), Highbury_25 (E), Holt_25 (E), Hoonter_26 (E), Jamie19_18 (N), Journey_18 (N), Kanye_26 (E), Kevin1_18 (N), Kimchi_26 (E), Kostya_24 (E), Lilac_26 (E), Lilizi_26 (E), Lilpickle_23 (E), MISSy_23 (E), MPhalcon_23 (E), MadamMonkfish_24 (E), Magsby_18 (N), Manda_25 (E), Melville_18 (N), MichelleMyBell_18 (N), Miniwave_24 (E), Misfit_24 (E), Moldemort_25 (E), Myrale_24 (E), Nenae_18 (N), Nimrod_24 (E), NoSleep_25 (E), OrionPax_25 (E), Panchino_18 (N), Paperbeatsrock_26 (E), Parmesanjohn_18 (N), Pat3_23 (E), PhancyPhin_18 (N), Pharsalus_25 (E), PhatBacter_24 (E), Phaux_23 (E), Philonius_18 (N), Phloss_18 (N), Phrann_18 (N), Phrux_24 (E), Pipsqueaks_18 (N), Purgamenstris_18 (N), Quallification_25 (E),

Raymond7_18 (N), Rebel_18 (N), Redi_18 (N), Rimmer_23 (E), Rubeelu_18 (N), Saints25_25 (E), Schnauzer_18 (N), Scitech_18 (N), ShamWow_24 (E), ShereKhan_26 (E), ShrimpFriedEgg_18 (N), Shweta_18 (N), Silvafighter_18 (N), Silvy_18 (N), Simpliphy_25 (E), SirDuracell_23 (E), SkinnyPete_18 (N), Smurph_18 (N), Snekmaggedon_18 (N), SophKB_24 (E), Sotrice96_24 (E), SpongeBob_18 (N), Stark_25 (E), StellaBean_24 (E), StolenFromERC_26 (E), Tapioca_18 (N), Tarkin_26 (E), TeardropMSU_23 (E), Teaspoon_25 (E), Terminus_24 (E), Thresher_25 (E), Tomaszewski_23 (E), Tortoise12_18 (N), Traaww1_22 (E), Tuco_25 (E), Ukulele_24 (E), Wiggin_27 (E), Xeno_18 (N), Xerxes_18 (N),

Start 148:
• Found in 15 of 2509 (0.6%) of genes in pham
• Manual Annotations of this start: 5 of 2216
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Bowser_19 (DB), Eyes_19 (DB), MagicMan_19 (DB), Opie_19 (DB), Schnabeltier_19 (DB), TaronosaurasRx_19 (DB),

Start 149:
• Found in 8 of 2509 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 12.5% of time when present
• Phage (with cluster) where this start called: MooMoo_16 (singleton),

Start 150:
• Found in 2 of 2509 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 50.0% of time when present
• Phage (with cluster) where this start called: LunaStella_18 (F4),

Start 151:
• Found in 77 of 2509 (3.1%) of genes in pham
• Manual Annotations of this start: 50 of 2216
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Agatha_18 (CT), AikoCarson_17 (CT), Amok_17 (CT), Axym_18 (CT), Azira_20 (CT), BBQValindra_19 (DB), BackstagePass_19 (DB), Bavilard_18 (CT), BigChungus_17 (CT), BillDoor_20 (CT), Blondies_18 (CT), Bunker_19 (DB), Button_19 (CT), Buttrmlkdreams_18 (CT), ChickenTender_20 (CT), Cleo_18 (CT), Cozz_18 (CT), Dre3_18 (CT), Elinal_19 (CT), Emalyn_17 (CT), Feastonyeet_17 (CT), Fribs8_19 (CT), GEazy_19 (DB), GiKK_21 (CT), Gibbous_18 (CT), HannahD_19 (DB), Hexbug_20 (CT), HippoPololi_20 (CT), Horseradish_19 (CT), Jamzy_21 (CT), KayGee_18 (CT), Lauer_17 (CT), MAnor_18 (CT), MScarn_20 (CT), MaVan_20 (CT), Margaret_21 (CT), Mayweather_19 (CT), MunkgeeRoachy_18 (CT), Nibbles_20 (CT), Nina_19 (CT), Orla_20 (CT), Quasar_18 (CT), RanchParmCat_21 (CT), SheckWes_17 (CT), SteamedHams_20 (CT), SummitAcademy_17 (CT), Survivors_20 (CT), SweatNTears_20 (CT), Tolls_20 (CT), Troje_18 (CT), Typhonomachy_19 (CT), Vine_19 (CT), Yakult_19 (CT), Yarn_17 (CT), Yummy_19 (CT),

Start 152:
• Found in 7 of 2509 (0.3%) of genes in pham
• Manual Annotations of this start: 6 of 2216
• Called 85.7% of time when present

• Phage (with cluster) where this start called: Babsiella_19 (I1), Brujita_19 (I1), HC_19 (I1), Island3_19 (I1), QueenHazel_19 (I1), Xula_18 (I1),

Start 153:
• Found in 45 of 2509 (1.8%) of genes in pham
• Manual Annotations of this start: 9 of 2216
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Aliter_30 (A9), Alma_30 (A9), Eidsmoe_30 (A9), HortumSL17_30 (A9), IdentityCrisis_17 (singleton), Myxus_30 (A9), PackMan_30 (A9), Phaeder_30 (A9), Qobbit_30 (A9),

Start 156:
• Found in 650 of 2509 (25.9%) of genes in pham
• Manual Annotations of this start: 559 of 2216
• Called 95.8% of time when present
• Phage (with cluster) where this start called: 20ES_28 (A2), 40AC_31 (A17), ACFishhook_29 (A3), AN3_28 (A2), AN9_31 (A2), ANI8_31 (A2), AbbyPaige_30 (A2), AbbysRanger_27 (A4), Abdiel_26 (A4), Achebe_26 (A4), Acolyte_28 (A2), Adzzy_29 (A2), Agape74_30 (A2), AgentM_24 (A5), Aglet_29 (A3), AgronaGT15_29 (A3), Airmid_24 (A5), Albee_27 (A4), Alberto7_28 (A4), Anaysia_30 (A15), Aneem_28 (A11), AnnaL29_31 (A2), Annyong_27 (A4), Anon_28 (A15), Anselm_28 (A2), Anthony_27 (A20), Anubis_31 (A3), Apricot_19 (DN3), Aragog_24 (A5), ArcherNM_30 (A2), Archetta_24 (A5), Arissanae_28 (A9), Artemis2UCLA_31 (A6), Arturo_26 (A4), Asapag_20 (DN1), Astro_24 (A8), AugsMagnumOpus_31 (A3), AvatarAhPeg_28 (A4), Avle17_27 (A4), B1_25 (A3), BABullseye_31 (A6), BENtherdunthat_20 (DN1), Baby16_27 (A4), BabyJohn_26 (A3), BabyRay_27 (A3), Bachome_28 (A11), Backyardigan_27 (A4), Bactobuster_29 (A2), Badger_27 (A4), Baehexic_29 (A2), BangNhom_27 (A4), Bartimeaus_27 (A4), Battleship_31 (A15), Beauxregard13_29 (A3), Beemo_30 (A9), BellusTerra_27 (A4), Benedict_24 (A5), BengiVuitton_29 (A2), Benvolio_28 (A2), BiancaTri92_30 (A2), Bigflo_29 (A3), Blackmoor_27 (A4), BlessJoy_31 (A6), Blinn1_31 (A6), Blue7_31 (A6), BlueBird_28 (A3), Bluefalcon_23 (A5), BogosyJay_29 (A9), Bombshell_27 (A4), Bonamassa_24 (A5), Boohoo_30 (A15), BotCity_21 (DN), Bowtie_28 (A11), Bradman_27 (A2), BreSam8_29 (A3), Broseidon_27 (A4), Bruiser_26 (A4), BubbleTrouble_27 (A4), Bud_28 (A11), Budski_20 (DN), Bugatti_27 (A3), Bugsy_30 (A2), Bumblebee11_27 (A4), Burger_26 (A4), BuzzBuzz_28 (A3), Bxz2_28 (A3), C3_26 (A2), CRB1_28 (A2), Caelakin_27 (A4), Calvinny_30 (A3), Camperdownii_26 (A4), Candra_31 (A6), Caraxes_27 (A2), Caviar_28 (A3), Centaur_30 (A2), CentreCat_27 (A4), Cerulean_28 (A4), Chadwick_25 (A5), ChampagnePapi_28 (A4), Changeling_30 (A2), Chaph_27 (A4), Chargerpower_29 (A), Charm_28 (A9), Chartreuse_31 (A6), Che12_30 (A2), CheeseTouch_20 (DN1), ChipMunk_30 (A2), Chiqui_26 (A3), Chupacabra_27 (A10), Cici_27 (A4), Cintron_27 (A4), Citius_27 (A4), Clarenza_27 (A4), Cocoaberry_27 (A4), Colbster_29 (A3), Commander_27 (A4), Connomayer_27 (A4), Conquerage_30 (A9), Conspiracy_24 (A5), Coog_24 (A5), Cookiedough_31 (A6), Crater_18 (DN3), Crucio_28 (A2), Cuco_24 (A5), Cullens_29 (A3), D29_28 (A2), D32_31 (A2), DBQu4n_31 (A2), DaHudson_29 (A3), DaVinci_31 (A6), Daishi_28 (A3), Dalmatian_28 (A2), Danforth_23 (A8), Darrell_30 (A9), DarthPhader_29 (A12), Datway_27 (A4), Deano_27 (A4), Deloris_29 (A2), Dhanush_27 (A4), Dieselweasel_29 (A3), Dignity_30 (A2), DirtyDunning_27 (A4), Discoknowium_24 (A5), Dixon_24 (A8), DontArgue_26 (A10), Dorothea_31 (A6), Drake55_30 (A2), Drake94_26 (A10), DreamTeam1_28 (A9), DroogsArmy_28 (A7), DropBear_27 (A3), Druantia_27 (A4), Dublin_23 (A5), DudeLittle_28 (A2), Duplo_31 (A2), DustyMartin_31 (A10), EZMoney23_32 (A2), EagleEye_30 (A16), Eagle_26 (A4),

Eaglepride_28 (A10), Eapen_27 (A4), Ebony_28 (A11), Echild_28 (A2), Edison31_27 (A10), EdogawaKiddo_28 (A9), ElTiger69_24 (A5), Elephantoon_29 (A9), EmyBug_30 (A9), EpicPhail_29 (A3), Epsocamisio_30 (A15), Equemioh13_30 (A2), EricB_31 (A6), Eris_26 (A4), Eros_27 (A4), Et2Brutus_27 (A11), Eurydice_27 (A4), EvilGenius_30 (A2), Expelliarmus_23 (A8), ExplosioNervosa_30 (A9), Fameo_28 (A2), Farber_29 (A3), Fayely_30 (A9), Fernando_29 (A3), Fibonacci_28 (A11), FiringLine_28 (A2), First_0028 (A2), Flare16_28 (A2), Flaverint_28 (A11), Florean_27 (A4), Flux_27 (A4), FlyCatcher_31 (A7), ForGetIt_24 (A5), Fred313_27 (A3), Frickyeah_20 (DN1), Funston_27 (A4), Gadost_27 (A4), Gail_28 (A14), Garak_32 (A6), GaugeLDP_30 (A2), Gemma_29 (A3), George_23 (A5), Georgie2_29 (A2), Getalong_21 (DN1), Ghoulboy_24 (A5), Gilberta_28 (A11), GingkoMaracino_29 (A3), Giroux_27 (A3), Gladiator_31 (A6), Goose_27 (A10), GreedyLawyer_31 (A6), Grif_29 (A3), Groundhog_23 (A8), Groupthink_30 (A3), Grub_29 (A3), Grum1_29 (A3), Gruunaga_31 (A6), GtownJaz_29 (A3), HINdeR_27 (A7), HamSlice_26 (A4), Hammer_31 (A6), Hanray_29 (A9), Happiness_27 (A4), HarryHoudini_30 (A2), HashRod_30 (A3), HaveUMetTed_30 (A3), Heathen_27 (A3), Heffalump_30 (A2), HelDan_27 (A3), Heliosoles_29 (A3), Helmet_32 (A6), Herbertwm_25 (A2), Hercules11_29 (A3), Hexamo_31 (A6), Holex_29 (A9), Holli_27 (A4), Holliday_20 (DN1), Hookmount_28 (A3), Hoot_31 (A6), Horus_20 (DN1), Houdini22_27 (A4), HuhtaEnerson15_24 (A5), Hutc2_28 (A11), Huxley_27 (A4), ICleared_27 (A4), Iceman_28 (A4), Idleandcovert_27 (A3), Indra_31 (A6), Insomnia_28 (A11), Iracema64_28 (A4), IronMan_30 (A2), Isca_27 (A3), Isiphiwo_31 (A6), Iwokeuplikedis_29 (A2), JF2_27 (A3), JF4_27 (A3), JHC117_29 (A3), JSwag_30 (A15), Jaan_31 (A2), Jabiru_24 (A5), Jabith_28 (A11), Jaykayelowell_27 (A4), Jeeves_28 (A14), Jeffabunny_31 (A6), JenCasNa_29 (A3), JeppNRM_30 (A3), Jerm_30 (A2), JetBlade_27 (A4), JewelBug_31 (A6), Jiawan_29 (A9), Jobu08_29 (A3), JoongJeon_27 (A4), Joselito_28 (A11), JoshKayV_30 (A2), Journey13_26 (A2), Jovo_24 (A5), Jsquared_27 (A2), KADY_30 (A3), KFPoly_27 (A4), Kachowdy_27 (A3), Kalb97_30 (A3), Kalnoky_30 (A3), Kamaru_20 (DN1), Kampy_27 (A4), Katalie136_27 (A4), KatherineG_30 (A15), Kazan_31 (A6), Kenna_19 (DN1), Kerberos_31 (A2), Keziacharles14_28 (A9), Kimona_24 (A19), KingCyrus_30 (A2), Kingmustik0402_27 (A4), Kinmap_29 (A21), Kipper29_31 (A6), KittenMittens_26 (A10), Koan_26 (A4), Koduck_28 (A2), Koko_31 (A6), Koreni_26 (A4), Kratark_27 (A4), Kremtemulon_27 (A4), Kristoff_28 (A10), Kyee_27 (A4), L5_28 (A2), LBerry_29 (A3), LHTSCC_28 (A4), LadyBird_28 (A2), Lambert1_28 (A3), Landor_29 (A2), LappelDuVide_27 (A4), Larenn_29 (A2), LarryKay_29 (A3), LastResort_30 (A15), Lemur_27 (A4), LeoAvram_27 (A4), Leogania_30 (A2), Leroy_20 (DN1), Lev2_24 (A5), Leviathan_30 (A2), LilTurb_30 (A2), Lilbunny_31 (A6), Lilith_29 (A3), Lilleskat_28 (A9), LionsBait_29 (A2), LitninMcQueen_20 (DN1), LittleB_27 (A4), LittleCherry_24 (A5), LittleGuy_27 (A4), LochMonster_27 (A4), LoneWolf_29 (A9), Looper_31 (A15), Lorenzo_27 (A4), Loser_31 (A2), Louie6_29 (A3), Lowa_29 (A3), Luchador_30 (A14), Lucivia_28 (A11), Lucyedi_29 (A16), LugYA_31 (A3), Lunsford_28 (A4), Lutum_20 (DN1), MA5_27 (A3), MK4_27 (A3), MaCh_28 (A11), Mabel_28 (A11), MadMarie_29 (A3), Mainiac_29 (A3), MajorMajor_27 (A2), Malec_29 (A2), Malinsilva_31 (A3), Malisha_21 (DN), Maminiaina_29 (A9), Manu_30 (A3), MarQuardt_29 (A3), Marchesa_27 (A3), Margo_28 (A3), Marie_29 (A3), Marius_30 (A3), Maverick_27 (A4), Maxo_27 (A4), Mayonnaise_27 (A4), Mazhar510_27 (A4), McFly_31 (A6), Medusa_27 (A4), MeeZee_27 (A4), Melvin_27 (A4), Methuselah_28 (A3), Micasa_24 (A5), Microwolf_29 (A3), MiculUcigas_28 (A2), Midas2_24 (A5), Miko_31 (A2), Milcery_24 (A5), Millski_26 (A4), MinecraftSteve_31 (A15), Misomonster_31 (A3), MissWhite_28 (A2), MoneyMay_29 (A3), Morpher26_27 (A4), Morrow_27 (A4), MuchMore_31 (A3), Mulciber_28 (A11), Munch_28 (A11), Mundrea_27 (A4), NaSiaTalie_28 (A2), Naca_24 (A5), Naji_31 (A2),

NearlyHeadless_24 (A8), Nebs_27 (A4), Nebulosus_30 (A15), Nedarya_29 (A15), Neeharika16_31 (A6), Nemo27_27 (A4), Newrala_31 (A6), NicoleTera_32 (A2), Noella_28 (A3), Norbert_27 (A3), NorthStar_27 (A4), NotAPhaseMom_27 (A4), NothingSpecial_30 (A2), Nyxis_27 (A4), OKCentral2016_27 (A10), OKaNui_28 (A4), Obama12_28 (A4), Odin_27 (A2), Ohfah_27 (A4), OlanP_29 (A3), Ollie_29 (A3), Onglai_29 (A9), Oofda_31 (A15), Orange_28 (A11), P28Green_29 (A3), PGHhamlin_31 (A3), PP_37 (A7), PainterBoy_29 (A16), Palestino_26 (A4), Panamaxus_27 (A3), Pawn_29 (A3), PeaceMeal1_26 (A10), Peaches_27 (A4), Pembroke_29 (A3), Penny1_29 (A3), Periwinkle_22 (DN1), Perplexer_27 (A4), PeterPeter_27 (A4), Petersenfast_27 (A11), PetiteSangsue_27 (A4), PetterN_25 (A5), Ph8s_29 (A2), Phabuloso_20 (DN1), Phacado_27 (A4), Phaded_31 (A2), Phantastic_27 (A3), Pharaoh_28 (A12), Phelipe_27 (A4), Phighter1804_27 (A4), Phillis_24 (A8), PhishRPhriends_28 (A3), Phistory_21 (DN1), Phlei_23 (A13), Phlorence_24 (A5), Phoebe_29 (A3), Phonnegut_30 (A9), Phontbonne_27 (A4), Phoxy_29 (A3), Phranny_30 (A3), PickleBack_24 (A5), Pioneer_30 (A9), Pipcraft_27 (A4), Piro94_29 (A2), Pistachio_28 (A3), Pmask_31 (A6), Pocahontas_28 (A3), Polymorphads_27 (A4), Polyphemus_30 (A6), Pomar16_31 (A2), Poompha_26 (A10), Popcicle_28 (A3), PotatoSplit_30 (A3), Power_28 (A2), Priamo_31 (A6), Prinashe11_25 (A5), Priya_30 (A9), Pukovnik_30 (A2), Pumbaa_27 (A4), Puppy_28 (A3), PurpleHaze_29 (A3), QueenB2_28 (A2), QueenBeesly_28 (A2), QuinnKiro_27 (A3), Quokka_26 (A2), Rachaly_31 (A2), Rahalelujah_27 (A9), ReMo_30 (A15), Reba_30 (A3), Rebeuca_28 (A10), RedRock_31 (A2), Refuge_31 (A12), Relief_27 (A4), Remus_30 (A15), ResDef_28 (A3), Retro23_28 (A2), RhynO_28 (A10), Rifter_31 (A6), Roary_24 (A8), Rockstar_27 (A3), Roksolana_31 (A6), Romney_27 (A4), Roosevelt_27 (A4), Rosa24_26 (A4), Rosalind_30 (A15), Rowdy_31 (A10), Ruin_27 (A4), Rummer_29 (A3), RyeScarlet_31 (A9), Sabertooth_27 (A4), Sabia_29 (A3), Sabinator_29 (A3), Sachima_28 (A9), Saintus_24 (A8), Salz_28 (A11), SaturnRing_27 (A3), Scamp_27 (A4), Scherzo_30 (A9), Scorpia_25 (A5), Scout_27 (A3), SemperFi_30 (A2), SenorClean_26 (A4), Serenity_27 (A2), Severus_26 (A10), Shaka_27 (A4), Sham4_28 (A11), Shapes_31 (A10), ShawBrad_20 (DN1), ShayRa_31 (A15), SheaKeira_28 (A9), Sheen_29 (A7), SheldonCooper_28 (A4), Shygu2_27 (A4), Skipitt_27 (A4), Sknot_29 (A2), Smeadley_24 (A8), Smeagan_30 (A2), SmellyB_31 (A6), SnapTap_28 (A2), Snape_28 (A11), Snickers_29 (A3), SoYo_29 (A3), SoilDragon_29 (A3), SororFago_28 (A14), Soshari_31 (A3), Soups_30 (A15), Sparxx_27 (A4), Spike509_29 (A3), Spino_27 (A4), Spooky_20 (DN2), Spouty_30 (A9), Squiddly_22 (DN2), Stagni_29 (A3), StarStuff_31 (A2), Stasia_28 (A4), Steamy_29 (A12), Stephig9_24 (A8), Stink_28 (A4), Strosahl_30 (A15), Sunhee_27 (A14), SuperAwesome_31 (A6), SuperCallie99_31 (A6), Superchunk_27 (A2), SweetiePie_28 (A2), Swirley_24 (A5), Switzerland_30 (A15), SydNat_24 (A5), TNguyen7_27 (A3), Taquarus_27 (A4), TarsusIV_28 (A2), Tarynearal_23 (A5), Taurus_29 (A3), Temprado_32 (A6), Texage_27 (A3), Thanksgivukkah_27 (A4), Theia_22 (A5), Tiffany_29 (A3), Tiger_24 (A5), Timothy_28 (A11), Timshel_28 (A7), TinaFeyge_27 (A4), TinyPebbles_29 (A3), TinyTimmy_28 (A11), Tinybot_26 (A4), TipsytheTRex_27 (A2), TiroTheta9_27 (A4), Toaka_27 (A9), Todacoro_28 (A3), Tomathan_31 (A2), ToneTone_29 (A6), Topanga_27 (A10), Toro_30 (A7), Travvers_31 (A2), Trike_25 (A10), Tristan_29 (A2), Trixie_31 (A2), Trooper_28 (A2), TroyPia_27 (A4), Tubs_30 (A9), Tucker_31 (A6), Turbido_30 (A2), Twigg_24 (A5), Twister_27 (A10), TygerBlood_27 (A4), Ugenie5_27 (A9), Ulysses_26 (A4), UnionJack_24 (A5), Updawg_30 (A2), VA6_28 (A2), VC3_31 (A2), Vanisoa_27 (A9), Veracruz_27 (A3), Vix_29 (A3), VohminGhazi_31 (A6), Waits_30 (A15), WalterMcMickey_27 (A10), Wander_27 (A4), Warrior24_31 (A15), Watson_29 (A3), Whabigail7_30 (A2), Whitney_21 (DN1), WideWale_30 (A2), Wiks_31 (A6), Wilbur_27 (A4), Wile_27 (A4), Wizard007_27 (A4), Wooldri_31 (A3), WunderPhul_31

(A6), Xena_27 (A4), Yecey3_29 (A9), YoSam321_27 (A4), Yokurt_31 (A6), Zaka_31 (A6), Zetzy_28 (A3), Zimmer_30 (A12), Zolita_23 (A5), Zulu_31 (A6),

Start 157:
• Found in 26 of 2509 (1.0%) of genes in pham
• Manual Annotations of this start: 24 of 2216
• Called 96.2% of time when present
• Phage (with cluster) where this start called: Angelique_20 (CY1), BearBQ_19 (DN), BeeGee_20 (CY), Birdsong_19 (DN), Bradissa_20 (CY1), Cashline_20 (CY), Confidence_20 (CY1), EMsquaredA_20 (CY1), Ecliptus_24 (DN), EnalisNailo_20 (CY1), Floral_20 (CY1), Jablanski_20 (CY), Kuwabara_19 (DN4), Lilas_20 (CY1), LonelyBoi_20 (CY), Lucky10_18 (DH), Marteena_20 (CY1), Morkie_18 (DH), MortyNRick_19 (DN), ODay_25 (DN), PhorbesPhlower_18 (DH), Pollux_20 (CY1), Posh_20 (CY), Pytheas_20 (CY), Wrigley_20 (CY),

Start 158:
• Found in 2 of 2509 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kumao_28 (singleton),

Start 159:
• Found in 278 of 2509 (11.1%) of genes in pham
• Manual Annotations of this start: 217 of 2216
• Called 84.2% of time when present
• Phage (with cluster) where this start called: A6_25 (A1), AFIS_27 (A1), Abbyshoes_28 (A1), Abrogate_280 (A1), Acme_29 (A1), Adahisdi_28 (A1), Aeneas_29 (A1), Ajay_28 (A1), Alsfro_31 (A1), Altman_29 (A1), Alvin_28 (A1), Anglerfish_28 (A1), Applejack_27 (A1), Arcanine_28 (A1), Arianna_19 (EO), Arlo_26 (A1), Ashballer_27 (A1), Atkinbua_29 (A1), Avani_19 (F2), BK1_25 (A1), BPBiebs31_28 (A1), BaconJack_29 (A1), Barriga_27 (A1), Beatrix_27 (A1), BeesKnees_28 (A1), Bethlehem_27 (A1), Bexan_26 (A1), Big3_27 (A1), BigMau_29 (A1), BigPaolini_28 (A1), Bigchungi_27 (A1), Bigfoot_26 (A1), BillKnuckles_28 (A1), Bircsak_27 (A1), Blarby_20 (F), BluSpix_27 (A1), Blue_27 (A1), Bob3_26 (A1), Bones_27 (A1), Briton15_29 (A1), Bruns_26 (A1), Burton_28 (A1), Buttons_29 (A1), Bxb1_25 (A1), CactusRose_26 (A1), Carlyle_29 (A1), Chanagan_26 (A1), Che9d_19 (F2), Ciao_27 (A1), Colleen_19 (EO), ConceptII_29 (A1), Corvo_28 (A1), Crispicous1_26 (A1), Cueylyss_27 (A1), DD5_28 (A1), Demsculpinboyz_19 (F2), Dexes_28 (A1), Doom_28 (A1), DrFeelGood_26 (A1), DreamCatcher_30 (A1), Dreamboat_28 (A1), Dulcie_26 (A1), Dussy_28 (A1), Dynamix_28 (A1), Edtherson_28 (A1), Espresso_27 (A1), Euphoria_27 (A1), Eyeball_27 (A1), Fajezeel_29 (A1), Fascinus_26 (A1), Fenn_28 (A1), Forsytheast_26 (A1), Francis47_27 (A1), Froghopper_28 (A1), Fushigi_28 (A1), GageAP_29 (A1), Gandalf20_28 (A1), Gompeii16_27 (A1), Graduation_29 (A1), GrecoEtereo_29 (A1), Greg_29 (A1), Gwendoluna_29 (A1), Gyzlar_29 (A1), Hami1_29 (A1), HanShotFirst_27 (A1), HarryOW_28 (A1), Hermia_30 (A1), HermioneGrange_27 (A1), Homines_27 (A1), Hope4ever_27 (A1), ILeeKay_29 (A1), Ichabod_28 (A1), Inyanga_26 (A1), Iqorha_26 (A1), JC27_29 (A1), Jabbawokkie_21 (F2), JackSparrow_28 (A1), Jasper_28 (A1), Jerm2_28 (A1), Jorgensen_27 (A1), JuliaChild_29 (A1), KBG_28 (A1), KSSJEB_27 (A1), Kanely_28 (A1), Kenmech_30 (A1), Killigrew_25 (A1), Kugel_28 (A1), KyMonks1A_29 (A1), Kykar_25 (A1), Lamina13_27 (A1), Lesedi_26 (A1), Levia_26 (A1), Licorice_29 (A1), LilBib_28 (A1), Lockley_27 (A1), Lopton_28 (A1), LunarLander_27 (A1), MPlant7149_26 (A1),

Magnito_26 (A1), Makemake_27 (A1), Manatee_28 (A1), Marcell_27 (A1), Marchy_26 (A1), Marco3_27 (A1), Marge_28 (A1), Maroc7_26 (A1), Marsha_27 (A1), MaryBeth_27 (A1), McGuire_28 (A1), McSinger_28 (A1), MetalQZJ_27 (A1), Michley_27 (A1), Mkhuseli_28 (A1), Molly_28 (A1), Monet_29 (A1), Moose_26 (A1), MrGordo_27 (A1), Mryolo_26 (A1), Mule_27 (A1), Museum_29 (A1), MyraDee_25 (A18), NEHalo_27 (A1), Naira_28 (A1), Nerujay_28 (A1), Nhonho_27 (A1), Niza_29 (A1), Norz_29 (A1), Ohno789_27 (A1), Oogway_26 (A1), PSullivan_29 (A1), PacerPaul_27 (A1), Paphu_26 (A1), Paraselene_26 (A1), Pari_28 (A1), Parliament_26 (A1), PascalRango_26 (A1), PattyP_29 (A1), Payneful_27 (A1), Pelly_28 (A1), Pepe_28 (A1), Perseus_28 (A1), Peterson_30 (A1), Petp2012_29 (A1), Petruchio_28 (A1), PherrisBueller_28 (A1), PhineBark_27 (A1), Phlippers_26 (A1), PhrostyMug_27 (A1), PinkPlastic_26 (A1), Pinto_30 (A1), Pippin_29 (A1), Pita2_29 (A1), Poushou_19 (EO), ProMouse_26 (A1), QTRlifeCrisis_27 (A1), Raid_28 (A1), Rajelicia_27 (A1), Rhynn_27 (A1), RidgeCB_27 (A1), Ringer_27 (A1), Rohr_28 (A1), Rubeus_28 (A1), Rufus_28 (A1), Ruotula_26 (A1), Rutherferd_29 (A1), STLscum_28 (A1), Sagefire_28 (A1), Sandaddy_26 (A1), Sanya_26 (A1), SarFire_27 (A1), Scowl_28 (A1), Seabiscuit_29 (A1), Seanderson_28 (A1), Sibs6_29 (A1), SilverChicken_19 (F2), SkiPole_29 (A1), Slagathor_28 (A1), Smairt_28 (A1), Smeagol_29 (A1), Snazzy_26 (A1), Solon_27 (A1), Sorpresa_27 (A1), Soul22_19 (F2), SpikeBT_29 (A1), Squee_28 (A1), StrongArm_26 (A1), Sumter_26 (A1), Sunshine924_26 (A1), SwissCheese_28 (A1), Switzer_28 (A1), Swole_29 (A1), Target_30 (A1), Tasp14_28 (A1), Teodoridan_25 (A1), TheloniousMonk_29 (A1), Thor_27 (A1), Topgun_27 (A1), Tote_29 (A1), TouchMeNot_19 (EO), Traft412_29 (A1), Treddle_29 (A1), Tripl3t_28 (A1), Trouble_28 (A1), Turj99_26 (A1), TwoPeat_28 (A1), U2_27 (A1), Violet_26 (A1), Watermelon_29 (A1), Wheeler_27 (A1), Wilkins_27 (A1), Yoshi_19 (F2), Zapner_20 (F2), Zeeculate_27 (A1), Zephyr_27 (A1),

Start 160:
• Found in 7 of 2509 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Cardigan_47 (DD), JonJames_47 (DD), Yvonnetastic_45 (DD),

Start 161:
• Found in 48 of 2509 (1.9%) of genes in pham
• Manual Annotations of this start: 14 of 2216
• Called 31.2% of time when present
• Phage (with cluster) where this start called: Aziz_32 (M2), Bongo_28 (M1), Bricole_28 (M1), Diminimus_29 (M1), Dulcita_29 (M1), Estes_33 (M2), FreakyGoo_28 (M1), Glaske16_29 (M1), IPhane7_28 (M1), LilhomieP_27 (M1), Nanosmite_32 (M3), PegLeg_28 (M1), Skinny_29 (M1), SlimJimmy_27 (M1), TyDawg_28 (M1),

Start 162:
• Found in 27 of 2509 (1.1%) of genes in pham
• Manual Annotations of this start: 5 of 2216
• Called 18.5% of time when present
• Phage (with cluster) where this start called: Cindaradix_26 (A4), Gaia_16 (X), Miramae_27 (A4), Nebkiss_17 (X), Noelle_27 (A4),

Start 163:
• Found in 5 of 2509 (0.2%) of genes in pham

• Manual Annotations of this start: 1 of 2216
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Reindeer_26 (M1),

Start 164:
• Found in 16 of 2509 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Mollymur_31 (DL),

Start 165:
• Found in 18 of 2509 (0.7%) of genes in pham
• Manual Annotations of this start: 14 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_47 (CQ1), Aphelion_48 (CQ1), Bachita_50 (CQ1), BrutonGaster_36 (CQ2), ClubL_48 (CQ1), Cucurbita_50 (CQ1), Culver_48 (CQ1), Dusty_46 (CQ1), Engineer_49 (CQ1), Geeche_47 (CQ1), Lozinak_48 (CQ1), Miskis_50 (CQ1), Norvs_49 (CQ1), OneUp_42 (CQ2), PhinkBoden_48 (CQ1), Smoothie_49 (CQ1), Toniann_48 (CQ1), WilliamBoone_48 (CQ1),

Start 167:
• Found in 32 of 2509 (1.3%) of genes in pham
• Manual Annotations of this start: 22 of 2216
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Aleemily_19 (DZ), Bantam_30 (DL), Cafasso_19 (DZ), Coriander_19 (DB), Daredevil_29 (DL), DatBoi_31 (DL), DirtyBoi_20 (DB), Dmitri_19 (DB), Doggs_18 (DB), Hedwig_20 (DB), Kiko_20 (DB), Kudefre_27 (DU1), ModicumRichard_19 (DZ), Moonflower_19 (DB), Morgana_19 (DZ), Neville_28 (DU2), ObLaDi_19 (DZ), Octobien14_28 (DU1), REQ3_50 (singleton), Rabbitrun_30 (DU2), RayTheFireFly_19 (DB), Sephiroth_28 (DU1), SpeedDemon_320 (DL), Syleon_28 (DU1), Towmatter_29 (DL), Trax_28 (DU2), VanLee_20 (singleton), Zareef_22 (CT),

Start 169:
• Found in 32 of 2509 (1.3%) of genes in pham
• Manual Annotations of this start: 3 of 2216
• Called 9.4% of time when present
• Phage (with cluster) where this start called: Farewell_16 (AF), Juicebox_19 (singleton), Sparky_16 (AF),

Start 170:
• Found in 9 of 2509 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: GAL1_20 (singleton),

Start 171:
• Found in 227 of 2509 (9.0%) of genes in pham
• Manual Annotations of this start: 28 of 2216
• Called 14.1% of time when present
• Phage (with cluster) where this start called: Amohnition_22 (K6), AzulaCat_18 (G1), BQuat_18 (G1), Bonanza_23 (CA), CLED96_18 (G1), Camri_18 (G1), Chance64_18

(G1), Cherrybomb426_18 (G1), DNAIII_0018 (G1), Dinger_23 (CA), Ekdilam_20 (K6), Frosty24_18 (G1), Grizzly_18 (G1), Hotshotbaby7_18 (G1), Jane_18 (G1), Jester_23 (CA), Jonghyun_18 (G1), Kasen3_18 (G1), Krueger_22 (K6), LeMond_22 (K1), Maliketh_18 (G1), Olga_18 (G1), Phish_18 (G1), PinkYoshi_18 (G1), Rabbs_18 (G1), Remy19_18 (G1), Scarlett_22 (K1), Sizemore_18 (G1), Sneeze_18 (G1), Sweets_18 (G1), TinaBug_18 (G1), Wendigo_18 (G1),

Start 175:
• Found in 70 of 2509 (2.8%) of genes in pham
• Manual Annotations of this start: 56 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archie_18 (L2), Baoshan_17 (L2), Bazzle_18 (L2), Beelzebub_54 (S), Bernal13_19 (T), BigCheese_18 (L2), Blackbeetle_50 (S), BlueNGold_100 (DS), BobsGarage_18 (L2), Boopy_101 (DS), Breezona_18 (L2), Caprice_47 (S), Clarkson_51 (S), Claus_18 (L2), Corazon_48 (S), Crossroads_18 (L2), DHan_18 (L2), DanBing_17 (L2), DrSeegs_18 (L2), Faith1_18 (L2), FeliMaine_52 (S), Finemlucis_18 (L2), Forza_101 (DS), Gabriela_18 (L2), Gardann_18 (L2), Gattaca_49 (S), GoongGoong_49 (S), GuuelaD_18 (L2), Hafay_18 (L2), Huphlepuff_52 (S), Ibrahim_19 (T), Itos_18 (L2), JoieB_51 (S), Kahlid_18 (L2), Lewan_18 (L2), LilDestine_18 (L2), Lilbit_51 (S), LittleLaf_50 (S), Loadrie_18 (L2), Mareelih_99 (DS), Marvin_48 (S), Mendokysei_18 (T), Miley16_18 (L2), MkaliMitinis3_18 (L2), MosMoris_48 (S), Nairb_19 (T), Nette_19 (T), Netyap_18 (L2), Nicholasp3_18 (L2), Poise_50 (S), Pringar_50 (S), Raela_50 (S), RedRaider77_50 (S), RonRayGun_19 (T), Rumpelstiltskin_18 (L2), Sarshaun_18 (L2), SoJulia_18 (L2), Soap141_18 (L2), Tesla_49 (S), Tourach_18 (L2), Underpass_18 (L2), VasuNzinga_50 (S), Vetrix_18 (L2), Whitty_19 (T), Wigglewiggle_18 (L2), Wilder_18 (L2), Winky_18 (L2), Zakai_18 (L2), ZenTime222_19 (T), ZhongYanYuan_17 (L2),

Start 176:
• Found in 323 of 2509 (12.9%) of genes in pham
• Manual Annotations of this start: 45 of 2216
• Called 17.0% of time when present
• Phage (with cluster) where this start called: 32HC_26 (Z), Agaliana_28 (A1), Amochick_22 (Q), Amymech_22 (Q), BarrowTuph_26 (A1), Bobquesha_25 (K4), BoostSeason_19 (K2), Daegal_23 (Q), DeepSoil15_22 (Q), Dewey_22 (Q), DismalFunk_19 (K2), DismalStressor_19 (K2), Doughnut_19 (K2), Ein37_22 (Q), EnzoK_27 (A1), Evanesce_22 (Q), Fefferhead_22 (K6), Findley_19 (K2), Forge_22 (Q), GMonster_26 (A1), Gancho_21 (Q), Giles_22 (Q), Gravaillia_22 (Q), HH92_22 (Q), Hadrien_22 (Q), Hail_22 (Q), IgnatiusPatJac_26 (A1), Juliette_24 (K4), JustASigh_18 (AH), KiSi_22 (K1), Kinbote_22 (Q), LilHazelnut_22 (Q), Luke_22 (Q), Luna22_22 (Q), Magnar_27 (A1), Marcoliusprime_19 (K2), Milly_19 (K2), MissDaisy_24 (K4), Mufasa_19 (K2), OBUpride_22 (Q), Oscar_22 (K1), Papez_29 (A1), Rem711_25 (Z), Reptar3000_24 (K4), ShortQueendom_26 (A1), StewieG_26 (A1), Strobilo_19 (K2), TM4_19 (K2), Taquito_22 (K4), Ubuntu_22 (Q), Webster2_22 (Q), Weirdo19_19 (AH), Wishmaker_22 (Q), Zeuska_28 (A1), ZoeJ_19 (K2),

Start 177:
• Found in 15 of 2509 (0.6%) of genes in pham
• Manual Annotations of this start: 11 of 2216
• Called 93.3% of time when present
• Phage (with cluster) where this start called: DonkeyMan_18 (DY), GMA2_30 (DS), Gustav_18 (CD), Heinz_19 (DY), Hibiscus_18 (DY), Jojo24_18 (DY), Mahdia_18 (CD), Puppers_18 (CD), Reyja_19 (DY), Santhid_18 (DY), Tarzan_18 (DY), Trine_18

(CD), Upyo_18 (CD), Widow_18 (CD),

Start 178:
• Found in 168 of 2509 (6.7%) of genes in pham
• Manual Annotations of this start: 139 of 2216
• Called 92.9% of time when present
• Phage (with cluster) where this start called: ActinUp_23 (K1), Adephagia_23 (K1), Adonis_23 (K1), Ageofdapage_23 (K1), AlishaPH_23 (K1), Amelie_19 (K1), Aminay_21 (K7), Anaya_24 (K1), Angelica_23 (K1), Apocalypse_23 (K1), Applecrisp_22 (K6), Asayake_23 (K1), Atiba_23 (K1), BEEST_23 (K1), BGlluviae_23 (K1), BaghaKamala_23 (K1), BarrelRoll_23 (K1), Beezoo_23 (K1), Bella96_23 (K1), Belladonna_23 (K1), Bern_25 (K1), Biglebops_19 (K1), Blizzard_23 (K1), Boiiii_23 (K1), Boilgate_20 (K8), Bryler_22 (K6), CREW_23 (K1), Cain_22 (K6), CallaLilly_24 (K1), Capricorn_23 (K1), CaseJules_23 (K1), Chancellor_24 (K4), Chavito_23 (K1), CheetoDust_23 (K1), Cheetobro_24 (K4), Chris_22 (K1), Clipper_25 (K1), CrimD_23 (K1), Curiosium_24 (K1), Dalmuri_23 (K1), DarthP_22 (K6), Dartin_23 (K1), Deby_23 (K1), Devera_23 (K1), Dole_23 (K1), DrHayes_23 (K1), Durfee_23 (K1), Efra2_23 (K1), Ellie_20 (K6), Emerson_23 (K1), Enkosi_19 (K1), Eponine_24 (K4), Fionnbharth_24 (K4), Ganymede_24 (K1), Geraldini_23 (K1), Guanica15_23 (K1), Hammy_22 (K6), HedwigODU_23 (K1), Homura_23 (K1), Hurricane_22 (K3), Hyperbowlee_23 (K1), Illumine_23 (K1), Inky_23 (K1), JAWS_23 (K1), JF1_24 (K4), Jarvi_23 (K1), Jayhawk_23 (K1), Jeckyll_23 (K1), Joy99_23 (K1), Keshu_22 (K3), Kraw_25 (K4), LastHope_23 (K1), LaterM_23 (K1), Lea83_23 (K3), Lebo14_25 (K4), LilPharaoh_19 (K1), LindNT_23 (K1), Llorens_23 (K1), Lunahalos_23 (K1), MacKat_24 (K1), MacnCheese_23 (K3), Malthus_25 (K4), MarkPhew_23 (K1), Marshawn_24 (K6), McMater_23 (K1), Mdavu_19 (K1), MeaningOfLife_23 (K1), Megsy_23 (K1), Mitti_24 (K4), Murucutumbu_23 (K1), Mynx_23 (K1), Nibb_22 (K1), Nikao_19 (K1), Niklas_23 (K1), November_22 (K6), Nutello_19 (K1), OmniCritical_24 (K4), P3MA_18 (singleton), Padfoot_23 (K1), Padpat_23 (K1), Patt_24 (K4), Peanam_23 (K1), Peel_23 (K1), Pharb_22 (K3), PhelpsODU_22 (K6), Phrank_22 (K6), Piatt_23 (K1), Pixie_22 (K3), Pokerus_22 (K1), Prithvi_23 (K1), QuincyRose_22 (K1), Ramen_23 (K1), Rapunzel97_23 (K1), Richo_23 (K1), Rosmarinus_23 (K1), Ruthiejr_23 (K4), SamScheppers_22 (K4), SamuelLPlaqson_23 (K1), SgtBeansprout_19 (K1), Shadow1_21 (K6), Shaobing_23 (K1), ShedlockHolmes_22 (K3), ShiaSurprise_23 (K1), SirPhilip_22 (K6), Slarp_24 (K4), Slimphazie_23 (K1), Spock_23 (K1), Stinson_23 (K1), Sulley_23 (K1), Sunflower1121_21 (K6), Syra333_22 (K6), TBond007_22 (K3), TClif_22 (K6), Tachez_23 (K1), TaiwanKao_24 (K1), Teejan_19 (K1), Tierra_22 (K6), TingHuaYa_23 (K1), TiniBug_23 (K1), Tiri_23 (K1), Topper_23 (K1), Torres_19 (K1), TreyKay_23 (K1), TribleTrouble_21 (K3), TruffulaTree_23 (K1), Twitch_23 (K1), Unicorn_22 (K6), Urkel_23 (K1), Validus_23 (K1), Veliki_23 (K1), Wintermute_24 (K4), Ximenita_23 (K6), YoureAdopted_22 (K1), Yunkel11_23 (K1), Zabiza_23 (K1), Zavala_23 (K1),

Start 179:
• Found in 5 of 2509 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Malibo_20 (DW), MicyPS_17 (EQ), PSonyx_17 (EQ),

Start 180:
• Found in 2 of 2509 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 2216

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Lilbeanie_30 (DE5),

Start 181:
• Found in 67 of 2509 (2.7%) of genes in pham
• Manual Annotations of this start: 15 of 2216
• Called 23.9% of time when present
• Phage (with cluster) where this start called: Agent47_21 (K5), Collard_21 (K5), Feyre_21 (K5), Gengar_21 (K5), Guillsminger_21 (K5), Heftyboy_21 (K5), InvictusManeo_21 (K5), Kratio_20 (K5), Leston_21 (K5), Miryou_21 (K5), OkiRoe_21 (K5), Paola_21 (K5), SoSeph_21 (K5), Thyatira_21 (K5), ViviJ_20 (K5), Waterfoul_21 (K5),

Start 182:
• Found in 37 of 2509 (1.5%) of genes in pham
• Manual Annotations of this start: 32 of 2216
• Called 89.2% of time when present
• Phage (with cluster) where this start called: Alatin_23 (CA), Alpacados_22 (CA), AngryOrchard_22 (CA), AppleCloud_21 (CA), Belenaria_23 (CA), Bradshaw_23 (CA), Bryce_23 (CA), CosmicSans_23 (CA), Erik_23 (CA), Espica_23 (CA), Gollum_23 (CA), Harlequin_23 (CA), Hiro_23 (CA), Krishelle_23 (CA), Lillie_23 (CA), Naiad_23 (CA), Nancinator_23 (CA), Natosaleda_23 (CA), Partridge_23 (CA), PhailMary_22 (CA), Phrankenstein_23 (CA), RER2_16 (CA), Rasputin_23 (CA), RexFury_23 (CA), Rhodalysa_23 (CA), Shuman_23 (CA), StCroix_23 (CA), Swann_23 (CA), TWAMP_23 (CA), Takoda_23 (CA), UhSalsa_23 (CA), Yogi_23 (CA), Yoncess_23 (CA),

Start 183:
• Found in 23 of 2509 (0.9%) of genes in pham
• Manual Annotations of this start: 17 of 2216
• Called 78.3% of time when present
• Phage (with cluster) where this start called: APunk_36 (DE4), Ali17_31 (DE2), Belphegor_33 (DE), Delrey21_34 (DE4), DoctorFroggo_34 (DE4), EMoore_31 (DE2), Hans_35 (DE2), Inspectinfecti_34 (DE2), Leonard_33 (DE2), MelBins_34 (DE2), Phauci_26 (DE2), Phinally_33 (DE2), Sampson_35 (DE4), Tardus_36 (DE4), Verity_34 (DE4), ViaConlectus_35 (DE4), Zipp_34 (DE4), Zitch_36 (DE4),

Start 185:
• Found in 15 of 2509 (0.6%) of genes in pham
• Manual Annotations of this start: 10 of 2216
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Chickadee_32 (DE3), Dexdert_33 (DE3), EdmundFerry_31 (DE3), GTE6_32 (DE3), GodonK_89 (DK), Kwekel_32 (DE3), Morrissey_19 (CD), Phendrix_87 (DK), RoadKill_30 (DE3), TPA4_19 (singleton), Tiamoceli_33 (DE3), Twonlo_30 (DE3),

Start 186:
• Found in 60 of 2509 (2.4%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 3.3% of time when present
• Phage (with cluster) where this start called: REQ2_20 (singleton), Whack_18 (singleton),

Start 190:
• Found in 8 of 2509 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Sleepyhead_18 (singleton),

Start 194:
• Found in 81 of 2509 (3.2%) of genes in pham
• Manual Annotations of this start: 44 of 2216
• Called 55.6% of time when present
• Phage (with cluster) where this start called: Angel_18 (G1), Annihilator_18 (G1), Antsirabe_18 (G5), Aroostook_18 (G1), Avocado_18 (G2), Avrafan_18 (G1), BPs_18 (G1), Barkley26_18 (G1), BruceB_18 (G1), Cambiare_19 (G2), CassieYates_18 (G1), Cedasite_18 (G1), Coleslaw_18 (G1), Crespo_18 (G1), DMoney_18 (G1), Darionha_18 (G1), ECartman_18 (G1), Gideon_18 (G1), GoldenAsh_18 (G1), Gomashi_18 (G1), Halo_18 (G1), Hope_18 (G1), Jolene_18 (G1), JorRay_18 (G1), Kareem_18 (G1), Liefie_18 (G1), LouisV14_18 (G1), Marmie_18 (G1), Mowgli_18 (G1), OctaviousRex_18 (G1), Paito_18 (G1), Peeb_18 (G1), Periodt_18 (G1), Phreak_18 (G1), Pinnie_19 (G3), Plagueis_18 (G1), Renaissance_18 (G1), Schiebel_18 (G1), ShaboiShabazz_18 (G1), Stargaze_18 (G5), Taheera_18 (G1), Terror_18 (G1), TomBrady_18 (G1), ZoMa_18 (G1), Zombie_18 (G1),

Start 195:
• Found in 66 of 2509 (2.6%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 3.0% of time when present
• Phage (with cluster) where this start called: FlagStaff_18 (G2), Pace1224_18 (G2),

Start 196:
• Found in 105 of 2509 (4.2%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 1.9% of time when present
• Phage (with cluster) where this start called: Y10_24 (K4), Y2_24 (K4),

Start 201:
• Found in 175 of 2509 (7.0%) of genes in pham
• No Manual Annotations of this start.
• Called 2.3% of time when present
• Phage (with cluster) where this start called: Abblin_35 (DE4), Jolie2_18 (G4), Natkenzie_35 (DE4), Scioto_35 (DE4),

Start 202:
• Found in 44 of 2509 (1.8%) of genes in pham
• Manual Annotations of this start: 36 of 2216
• Called 95.5% of time when present
• Phage (with cluster) where this start called: Arti_41 (CR2), Bonum_44 (CR2), Buggaboo_42 (CR2), Commandaria_43 (CR2), Dalilpop_46 (CR1), Emianna_41 (CR2), Ennea_47 (CR3), Flapper_45 (CR1), Float294_43 (CR3), Foxboro_42 (CR2), Fury_50 (CR5), GRU1_31 (CR1), GTE5_32 (CR1), GTE8_30 (CR2), GrootJr_43 (CR2), HubbaBubba_39 (CR4), IDyn_42 (CR4), Jifall16_40 (CR2), Kabluna_44 (CR2), KidneyBean_41 (CR2), Kurt_41 (CR2), Lollipop1437_46 (CR3), MerCougar_42 (CR2), NadineRae_41 (CR4), NatB6_41 (CR2), NosilaM_44 (CR2), NovumRegina_41 (CR2), Outis_42 (CR2), Patio_44 (CR3), Phomeo_40 (CR2),

Pleakley_50 (CR5), RedRaider_48 (CR3), Scuba_50 (CR5), Skysand_43 (CR3), StarStruck_42 (CR2), Sukkupi_43 (CR4), SuperSulley_42 (CR2), Tracker_41 (CR2), Turuncu_45 (CR1), Wheezy_41 (CR2), WhoseManz_43 (CR4), Yndexa_43 (CR4),

Start 204:
• Found in 524 of 2509 (20.9%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 0.2% of time when present
• Phage (with cluster) where this start called: StepMih_29 (A3),

Start 209:
• Found in 5 of 2509 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: P1201_47 (singleton),

Start 211:
• Found in 26 of 2509 (1.0%) of genes in pham
• Manual Annotations of this start: 16 of 2216
• Called 61.5% of time when present
• Phage (with cluster) where this start called: Apiary_45 (CR), BiPauneto_44 (CR4), Braxoaddie_45 (CR), C3PO_31 (EN), CoffeeBean_45 (CR), Cruella_31 (EN), Darwin_34 (EN), GuyFagieri_45 (CR), Kimchi1738_31 (EN), MacGully_50 (CR), Maselop_45 (CR), PeteyPab_33 (EN), Polyyuki_45 (CR), PotatoChip_34 (EN), Stickynote_33 (EN), Zion_34 (EN),

Start 212:
• Found in 209 of 2509 (8.3%) of genes in pham
• Manual Annotations of this start: 47 of 2216
• Called 27.3% of time when present
• Phage (with cluster) where this start called: Amao_24 (E), Asriel_23 (E), Barbarian_23 (E), Bask21_24 (E), Becksu_24 (E), Bench_26 (E), BilboSwaggins_24 (E), Bruin_24 (E), BugsBunny_22 (E), ChotaBhai_24 (E), Daikon_22 (E), DoctorDiddles_24 (E), Dumbo_24 (E), Easy2Say_26 (E), Emmina_25 (E), FairyPath_24 (E), FireRed_24 (E), Flypotenuse_22 (E), FoghornLeghorn_23 (E), Gage_26 (E), Glexan_22 (E), Harella_23 (E), Henry_24 (E), Hopey_26 (E), HufflyPuff_23 (E), IHOP_24 (E), Icee_23 (E), Inca_23 (E), JeTaime_26 (E), Marshmallow_24 (E), Maxxinista_25 (E), Mindy_24 (E), Mosby_23 (E), Murica_23 (E), Murphy_25 (E), Nala_24 (E), NelitzaMV_24 (E), Palpatine_24 (E), Petra64142_26 (E), Phaja_24 (E), Policronamos_24 (E), Porky_24 (E), Pumpkin_26 (E), Rakim_25 (E), RiverMonster_24 (E), Sassay_23 (E), Stank_27 (E), StormChicken_24 (E), Superphikiman_34 (J), TBrady12_26 (E), Thimble_24 (E), Toto_24 (E), Willez_23 (E), Xandras_26 (E), YassJohnny_25 (E), Youngblood_24 (E), xkcd_25 (E),

Start 213:
• Found in 58 of 2509 (2.3%) of genes in pham
• Manual Annotations of this start: 53 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adora_20 (CZ4), Agueybana_19 (CZ1), AlumE_19 (CZ1), Annalisa_20 (CZ4), Antonio_19 (CZ1), BatStarr_19 (CZ1), BaxterFox_18 (CZ3), Beenie_20 (CZ4), Bialota_19 (CZ1), Bosnia_19 (CZ1), BoyNamedSue_19 (CZ1), Bunnybear_18 (CZ), Clark_20 (CZ4), DobbysSock_19

(CZ4), Dolores_20 (CZ4), Dorito_19 (CZ4), Easley_20 (CZ4), Eudoria_19 (CZ1), Eviarto_19 (CZ1), Herod_19 (CZ1), Hortense_20 (CZ4), Howe_20 (CZ4), Hugley_19 (CZ1), Hyzer_19 (CZ1), Invectra_21 (CZ4), Kita_19 (CZ1), Madeline_19 (CZ1), Manasvini_19 (CZ1), Maridalia_18 (CZ1), Mbo4_17 (singleton), Mcklovin_20 (CZ4), MichaelScott_20 (CZ4), Neobush_19 (CZ1), Nymphadora_19 (CZ1), Ohgeesy_19 (CZ), Oregano_20 (CZ4), PantheRoc_19 (CZ3), PhriskyACE_19 (CZ4), Polly_19 (CZ1), Powerball_19 (CZ4), Samman98_20 (CZ4), Sekhmet_20 (CZ4), Shlim410_20 (CZ4), Sidious_19 (CZ7), Suerte_18 (CZ4), Suscepit_19 (CZ1), Tayonia_19 (CZ1), ThankyouJordi_18 (CZ1), Thimann_20 (CZ4), TimTam_19 (CZ1), TinyDot_19 (singleton), Trumpet_19 (CZ1), Twinkle_20 (CZ4), WelcomeAyanna_18 (CZ1), WinkNick_20 (CZ4), Yeezy_20 (CZ3), Zameen_19 (CZ1), Zirinka_19 (CZ1),

Start 216:
• Found in 34 of 2509 (1.4%) of genes in pham
• Manual Annotations of this start: 31 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Attis_17 (CZ2), Bjanes7_17 (CZ2), Clap_17 (CZ2), Cynthia_17 (CZ2), Denise_17 (CZ5), Ebert_17 (CZ2), EdnaMode_17 (CZ2), Eyre_17 (singleton), Faith5x5_17 (CZ6), FroggyToad_17 (CZ2), GemG_17 (CZ2), Gizermo_17 (CZ2), Gudmit_18 (singleton), Haley23_17 (CZ2), JCole_17 (CZ2), Lamberg_17 (CZ2), LordFarquaad_17 (CZ2), Lton_17 (CZ), Matteo_17 (CZ2), Mocha12_17 (CZ2), Moosehead_17 (CZ6), Nettuno_17 (CZ2), OneDirection_17 (CZ6), Pepperoni_17 (CZ), Pickett_17 (CZ2), RavenCo17_17 (CZ8), Sahara_17 (CZ2), Savage_17 (CZ2), SoilAssassin_17 (CZ2), Sproutie_17 (CZ2), TuertoX_17 (CZ2), Vasanti_17 (CZ2), Whiteclaw_17 (CZ2), Yeet412_17 (CZ2),

Start 219:
• Found in 19 of 2509 (0.8%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 21.1% of time when present
• Phage (with cluster) where this start called: BabyMoney_21 (DT), Nyceirae_23 (DT), Phishy_22 (DT), Vordorf_22 (DT),

Start 222:
• Found in 20 of 2509 (0.8%) of genes in pham
• Manual Annotations of this start: 16 of 2216
• Called 85.0% of time when present
• Phage (with cluster) where this start called: Ayotoya_22 (DI), BetterKatz_22 (DI), Bock_22 (DI), Brylie_22 (DI), Chop_22 (DI), DelRio_23 (DI), DumpsterDude_19 (DW), Francois_22 (DI), GrandSlam_22 (DI), Hamood_22 (DI), Mulch_22 (DI), Nadeem_22 (DI), NancyRae_22 (DI), Parada_22 (DI), Pimento_23 (DI), WheatThin_22 (DI), Zodiariah_18 (DW),

Start 224:
• Found in 2 of 2509 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ChewyVIII_56 (singleton),

Start 225:
• Found in 7 of 2509 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 2216
• Called 42.9% of time when present

• Phage (with cluster) where this start called: Dogfish_21 (DT), Ewald_22 (DT), Meyran_21 (DT),

Start 226:
• Found in 2 of 2509 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finkle_19 (singleton), GMA1_19 (singleton),

Start 227:
• Found in 65 of 2509 (2.6%) of genes in pham
• Manual Annotations of this start: 45 of 2216
• Called 72.3% of time when present
• Phage (with cluster) where this start called: Archimedes_16 (DA), Archis_20 (CV), Azula_21 (CV), Barco_19 (CV), Begonia_20 (CV), BlingBling_19 (CV), Blino_19 (CV), Blueberry_21 (CV), CaptainKirk2_19 (CV), CarolAnn_19 (CV), Delian_19 (CV), Fairfaxidum_19 (CV), Fenry_18 (CV), Frizzle_17 (DA), Frokostdame_19 (CV), Gambino_21 (CV), Ghobes_16 (DA), Guacamole_19 (CV), Hitter_19 (CV), Jalammah_21 (CV), JasperJr_19 (CV), JuJu_19 (CV), KappaFarmDelta_19 (CV), Lysidious_20 (CV), Malachai_20 (CV), Melba_19 (CV), Mellie_18 (CV), MintFen_19 (CV), MissRona_21 (CV), Murp_19 (CV), Obliviate_18 (CV), PCoral7_19 (CV), Petra_21 (CV), PhrostedPhlake_20 (CV), Pipp_19 (CV), PrincePatrick_19 (CV), Samba_19 (CV), Sapo_16 (DA), Toast_19 (CV), UmaThurman_19 (CV), Utz_19 (CV), Walrus_20 (CV), William_19 (CV), Wisp_18 (CV), Wocket_20 (CV), Zarbodnamra_19 (CV), ZiggyZoo_18 (CV),

Start 231:
• Found in 28 of 2509 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 3.6% of time when present
• Phage (with cluster) where this start called: Marietta_43 (CR4),

Start 232:
• Found in 85 of 2509 (3.4%) of genes in pham
• No Manual Annotations of this start.
• Called 1.2% of time when present
• Phage (with cluster) where this start called: RGL3_16 (CA),

Start 233:
• Found in 25 of 2509 (1.0%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 8.0% of time when present
• Phage (with cluster) where this start called: ArchiDore_19 (DW), Ruthy_19 (DW),

Start 235:
• Found in 38 of 2509 (1.5%) of genes in pham
• No Manual Annotations of this start.
• Called 2.6% of time when present
• Phage (with cluster) where this start called: GTE2_16 (CT),

Start 241:
• Found in 233 of 2509 (9.3%) of genes in pham

• No Manual Annotations of this start.
• Called 0.4% of time when present
• Phage (with cluster) where this start called: MakCheese_20 (DW),

Start 249:
• Found in 307 of 2509 (12.2%) of genes in pham
• Manual Annotations of this start: 2 of 2216
• Called 0.7% of time when present
• Phage (with cluster) where this start called: DirtMcgirt_17 (F1), Sarma624_17 (F1),

Start 253:
• Found in 1 of 2509 (0.0%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jace_17 (singleton),

Start 260:
• Found in 382 of 2509 (15.2%) of genes in pham
• Manual Annotations of this start: 1 of 2216
• Called 0.3% of time when present
• Phage (with cluster) where this start called: Cjw1_24 (E),

Start 303:
• Found in 337 of 2509 (13.4%) of genes in pham
• Manual Annotations of this start: 11 of 2216
• Called 3.6% of time when present
• Phage (with cluster) where this start called: Banquo_26 (CU1), Catfish_22 (CU5), Dardanus_24 (CU3), DinoDaryn_24 (CU1), Goib_23 (CU1), Gsput1_20 (CU2), Huffy_24 (CU1), Schmidt_20 (CU4), Splinter_22 (CU1), TZGordon_24 (CU1), TinaLin_25 (CU1), Vendetta_22 (CU1),

Summary by clusters:

There are 132 clusters represented in this pham: G5, G4, G3, G2, G1, CQ2, CQ1, A21, T, X, DC2, DC1, CZ8, CZ2, CZ3, CZ1, CZ6, CZ7, CZ4, CZ5, EN, M1, M3, M2, P2, P3, EO, P1, P6, P4, P5, O, S, EQ, EP, CR2, CR3, CR1, CR4, CR5, DE1, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, CU5, CU4, CU3, CU2, CU1, DN4, DN1, DN3, DN2, DU1, DU2, F, CA, J, CD, CZ, CY, V, CR, Z, CV, CT, A20, F1, F2, F3, F4, DN, DL, DK, DH, DI, DD, DE, DB, DA, DZ, DY, DW, DT, DS, DP, A15, A14, A17, A16, A11, A10, A13, A12, I1, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, A, CY2, CY1, AB, E, AG, AF, AH, Q, L4, L5, L2, L3, L1, Y, N,

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

Info for manual annotations of cluster A1:
•Start number 159 was manually annotated 205 times for cluster A1.
•Start number 176 was manually annotated 4 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 156 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

•Start number 156 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 156 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 156 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 136 was manually annotated 1 time for cluster A15.
•Start number 156 was manually annotated 20 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 156 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 159 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 156 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 136 was manually annotated 5 times for cluster A2.
•Start number 156 was manually annotated 97 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 156 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:
•Start number 156 was manually annotated 112 times for cluster A3.
•Start number 204 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:
•Start number 156 was manually annotated 134 times for cluster A4.
•Start number 162 was manually annotated 3 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 144 was manually annotated 1 time for cluster A5.
•Start number 156 was manually annotated 37 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 136 was manually annotated 2 times for cluster A6.
•Start number 156 was manually annotated 40 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 156 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 156 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 153 was manually annotated 8 times for cluster A9.
•Start number 156 was manually annotated 26 times for cluster A9.

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

Info for manual annotations of cluster AF:
•Start number 169 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:
•Start number 140 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AH:
•Start number 176 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster CA:
•Start number 171 was manually annotated 3 times for cluster CA.
•Start number 182 was manually annotated 32 times for cluster CA.

Info for manual annotations of cluster CD:
•Start number 177 was manually annotated 6 times for cluster CD.
•Start number 185 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CQ1:
•Start number 165 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 165 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR:
•Start number 211 was manually annotated 7 times for cluster CR.

Info for manual annotations of cluster CR1:
•Start number 202 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 202 was manually annotated 20 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 202 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 202 was manually annotated 6 times for cluster CR4.
•Start number 211 was manually annotated 1 time for cluster CR4.
•Start number 231 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 202 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CT:
•Start number 141 was manually annotated 8 times for cluster CT.
•Start number 151 was manually annotated 46 times for cluster CT.

Info for manual annotations of cluster CU1:
•Start number 303 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 303 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 303 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 303 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:
•Start number 227 was manually annotated 42 times for cluster CV.

Info for manual annotations of cluster CY:
•Start number 157 was manually annotated 7 times for cluster CY.

Info for manual annotations of cluster CY1:
•Start number 157 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:
•Start number 137 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CZ:
•Start number 213 was manually annotated 2 times for cluster CZ.
•Start number 216 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 213 was manually annotated 25 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 216 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 213 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 213 was manually annotated 21 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 216 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 216 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:
•Start number 213 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:
•Start number 216 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:
•Start number 227 was manually annotated 3 times for cluster DA.

Info for manual annotations of cluster DB:
•Start number 148 was manually annotated 5 times for cluster DB.
•Start number 151 was manually annotated 4 times for cluster DB.
•Start number 167 was manually annotated 6 times for cluster DB.

Info for manual annotations of cluster DC1:
•Start number 111 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 111 was manually annotated 1 time for cluster DC2.

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

Info for manual annotations of cluster DE1:
•Start number 111 was manually annotated 45 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 183 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 185 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 183 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:
•Start number 180 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:
•Start number 157 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:
•Start number 222 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:
•Start number 185 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:
•Start number 164 was manually annotated 1 time for cluster DL.
•Start number 167 was manually annotated 4 times for cluster DL.

Info for manual annotations of cluster DN:
•Start number 156 was manually annotated 2 times for cluster DN.
•Start number 157 was manually annotated 4 times for cluster DN.

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

Info for manual annotations of cluster DN2:
•Start number 156 was manually annotated 2 times for cluster DN2.

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

Info for manual annotations of cluster DN4:
•Start number 157 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:
•Start number 143 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DS:
•Start number 138 was manually annotated 1 time for cluster DS.
•Start number 175 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DT:
•Start number 219 was manually annotated 2 times for cluster DT.
•Start number 225 was manually annotated 3 times for cluster DT.

Info for manual annotations of cluster DU1:
•Start number 167 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 167 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DW:
•Start number 179 was manually annotated 1 time for cluster DW.
•Start number 222 was manually annotated 1 time for cluster DW.
•Start number 233 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:
•Start number 177 was manually annotated 5 times for cluster DY.

Info for manual annotations of cluster DZ:
•Start number 167 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster E:
•Start number 147 was manually annotated 78 times for cluster E.
•Start number 212 was manually annotated 46 times for cluster E.
•Start number 260 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster EN:
•Start number 211 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:
•Start number 159 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:
•Start number 132 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster EQ:

•Start number 179 was manually annotated 1 time for cluster EQ.

Info for manual annotations of cluster F1:
•Start number 142 was manually annotated 206 times for cluster F1.
•Start number 144 was manually annotated 1 time for cluster F1.
•Start number 249 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 159 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 142 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 129 was manually annotated 1 time for cluster F4.
•Start number 150 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster G1:
•Start number 171 was manually annotated 20 times for cluster G1.
•Start number 194 was manually annotated 40 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 194 was manually annotated 2 times for cluster G2.
•Start number 195 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:
•Start number 194 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:
•Start number 135 was manually annotated 1 time for cluster G4.
•Start number 136 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:
•Start number 194 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster I1:
•Start number 152 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster J:
•Start number 141 was manually annotated 29 times for cluster J.
•Start number 212 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:
•Start number 171 was manually annotated 2 times for cluster K1.
•Start number 176 was manually annotated 2 times for cluster K1.
•Start number 178 was manually annotated 99 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 176 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 178 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 176 was manually annotated 4 times for cluster K4.
•Start number 178 was manually annotated 13 times for cluster K4.
•Start number 196 was manually annotated 2 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 181 was manually annotated 15 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 133 was manually annotated 1 time for cluster K6.
•Start number 146 was manually annotated 1 time for cluster K6.
•Start number 171 was manually annotated 3 times for cluster K6.
•Start number 176 was manually annotated 1 time for cluster K6.
•Start number 178 was manually annotated 16 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 178 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 178 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:
•Start number 103 was manually annotated 1 time for cluster L1.
•Start number 136 was manually annotated 18 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 175 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 136 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 136 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 134 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:
•Start number 128 was manually annotated 1 time for cluster M1.
•Start number 161 was manually annotated 11 times for cluster M1.
•Start number 163 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:
•Start number 119 was manually annotated 3 times for cluster M2.
•Start number 128 was manually annotated 1 time for cluster M2.
•Start number 161 was manually annotated 2 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 161 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:
•Start number 147 was manually annotated 42 times for cluster N.

Info for manual annotations of cluster O:
•Start number 120 was manually annotated 2 times for cluster O.
•Start number 126 was manually annotated 26 times for cluster O.

Info for manual annotations of cluster P1:
•Start number 121 was manually annotated 2 times for cluster P1.
•Start number 137 was manually annotated 37 times for cluster P1.

Info for manual annotations of cluster P2:
•Start number 137 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:
•Start number 137 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:
•Start number 137 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:
•Start number 137 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:
•Start number 137 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:
•Start number 176 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster S:
•Start number 175 was manually annotated 17 times for cluster S.

Info for manual annotations of cluster T:
•Start number 175 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster V:
•Start number 20 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster X:
•Start number 162 was manually annotated 2 times for cluster X.

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

Info for manual annotations of cluster Z:
•Start number 176 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_28 Start: 20226, Stop: 21998, Start Num: 156
Candidate Starts for 20ES_28:
(Start: 136 @20202 has 48 MA's), (Start: 156 @20226 has 559 MA's), (238, 20325), (323, 20460), (325, 20463), (366, 20535), (367, 20538), (402, 20592), (406, 20598), (421, 20631), (465, 20709),

(508, 20796), (550, 20877), (556, 20880), (675, 21153), (723, 21258), (731, 21273), (775, 21399), (777, 21405), (808, 21453), (831, 21516), (835, 21531), (837, 21537), (855, 21591), (866, 21630), (869, 21645), (899, 21729),

Gene: 244_26 Start: 20026, Stop: 21705, Start Num: 147
Candidate Starts for 244_26:
(Start: 147 @20026 has 120 MA's), (Start: 212 @20110 has 47 MA's), (Start: 260 @20188 has 1 MA's), (296, 20275), (301, 20290), (332, 20338), (349, 20377), (405, 20464), (420, 20497), (437, 20533), (454, 20563), (457, 20569), (538, 20638), (561, 20668), (565, 20680), (566, 20683), (591, 20740), (650, 20872), (651, 20878), (675, 20944), (677, 20950), (686, 20974), (704, 21022), (715, 21046), (721, 21055), (754, 21130), (810, 21181), (819, 21196), (867, 21358), (875, 21385), (885, 21415), (926, 21520), (971, 21598), (980, 21634), (983, 21643), (992, 21676), (998, 21691),

Gene: 32HC_26 Start: 18979, Stop: 20718, Start Num: 176
Candidate Starts for 32HC_26:
(Start: 176 @18979 has 45 MA's), (243, 19051), (272, 19114), (293, 19171), (369, 19351), (408, 19414), (433, 19465), (445, 19486), (473, 19531), (536, 19648), (537, 19651), (571, 19735), (572, 19738), (576, 19753), (587, 19771), (630, 19831), (749, 20098), (770, 20161), (784, 20209), (889, 20434), (894, 20452), (942, 20536), (971, 20605), (993, 20689), (994, 20692), (1004, 20710),

Gene: 40AC_31 Start: 22419, Stop: 24191, Start Num: 156
Candidate Starts for 40AC_31:
(Start: 136 @22395 has 48 MA's), (Start: 156 @22419 has 559 MA's), (238, 22518), (259, 22554), (323, 22653), (325, 22656), (366, 22728), (367, 22731), (402, 22785), (430, 22842), (465, 22902), (475, 22920), (508, 22989), (546, 23064), (550, 23070), (556, 23073), (636, 23262), (675, 23346), (676, 23349), (689, 23385), (723, 23451), (731, 23466), (774, 23589), (777, 23598), (782, 23613), (808, 23646), (821, 23676), (831, 23709), (835, 23724), (840, 23739), (855, 23784), (866, 23823), (869, 23838), (899, 23922), (925, 23988), (943, 24027), (945, 24033), (968, 24087), (981, 24129),

Gene: 8UZL_21 Start: 16005, Stop: 17855, Start Num: 139
Candidate Starts for 8UZL_21:
(116, 15969), (Start: 139 @16005 has 4 MA's), (199, 16083), (241, 16143), (272, 16209), (291, 16260), (295, 16275), (296, 16278), (453, 16584), (482, 16641), (498, 16689), (500, 16692), (525, 16755), (536, 16776), (541, 16794), (563, 16839), (566, 16848), (571, 16863), (579, 16887), (651, 16998), (666, 17037), (673, 17058), (686, 17094), (687, 17097), (707, 17139), (718, 17154), (721, 17160), (858, 17469), (860, 17478), (862, 17484), (866, 17496), (875, 17526), (881, 17544), (883, 17550), (942, 17670), (965, 17727), (991, 17814), (993, 17823),

Gene: A6_25 Start: 20661, Stop: 22463, Start Num: 159
Candidate Starts for A6_25:
(Start: 159 @20661 has 217 MA's), (Start: 176 @20682 has 45 MA's), (Start: 204 @20724 has 1 MA's), (237, 20769), (367, 20985), (395, 21030), (402, 21039), (421, 21078), (448, 21129), (449, 21132), (556, 21327), (581, 21396), (670, 21585), (674, 21597), (675, 21600), (683, 21621), (730, 21717), (731, 21720), (733, 21726), (762, 21795), (767, 21813), (769, 21822), (777, 21852), (821, 21948), (831, 21981), (835, 21996), (879, 22137), (899, 22194), (945, 22305),

Gene: ABCat_23 Start: 19745, Stop: 21424, Start Num: 147
Candidate Starts for ABCat_23:
(Start: 147 @19745 has 120 MA's), (Start: 212 @19829 has 47 MA's), (Start: 260 @19907 has 1 MA's), (296, 19994), (301, 20009), (332, 20057), (349, 20096), (405, 20183), (420, 20216), (437, 20252), (454, 20282), (457, 20288), (538, 20357), (561, 20387), (565, 20399), (566, 20402), (591, 20459), (650, 20591), (651, 20597), (675, 20663), (677, 20669), (686, 20693), (704, 20741), (715, 20765), (721, 20774), (754, 20849), (810, 20900), (819, 20915), (867, 21077), (875, 21104), (885,

21134), (926, 21239), (971, 21317), (980, 21353), (983, 21362), (992, 21395), (998, 21410),

Gene: ACFishhook_29 Start: 20541, Stop: 22337, Start Num: 156
Candidate Starts for ACFishhook_29:
(Start: 156 @20541 has 559 MA's), (Start: 204 @20598 has 1 MA's), (215, 20613), (254, 20667), (259, 20682), (Start: 303 @20769 has 11 MA's), (323, 20781), (325, 20784), (367, 20859), (376, 20874), (508, 21117), (581, 21270), (615, 21357), (674, 21471), (683, 21495), (687, 21507), (689, 21513), (731, 21594), (762, 21669), (767, 21687), (769, 21696), (775, 21720), (777, 21726), (790, 21765), (820, 21819), (821, 21822), (828, 21843), (899, 22068), (943, 22173), (945, 22179), (992, 22314),

Gene: AFIS_27 Start: 21204, Stop: 23006, Start Num: 159
Candidate Starts for AFIS_27:
(Start: 159 @21204 has 217 MA's), (Start: 176 @21225 has 45 MA's), (Start: 204 @21267 has 1 MA's), (237, 21312), (367, 21528), (395, 21573), (402, 21582), (421, 21621), (448, 21672), (449, 21675), (556, 21870), (581, 21939), (674, 22140), (675, 22143), (683, 22164), (730, 22260), (731, 22263), (733, 22269), (762, 22338), (767, 22356), (769, 22365), (777, 22395), (821, 22491), (831, 22524), (835, 22539), (879, 22680), (899, 22737), (945, 22848), (1000, 23001),

Gene: AN3_28 Start: 20204, Stop: 21994, Start Num: 156
Candidate Starts for AN3_28:
(110, 20138), (Start: 136 @20180 has 48 MA's), (Start: 156 @20204 has 559 MA's), (323, 20438), (325, 20441), (366, 20513), (367, 20516), (376, 20531), (402, 20570), (406, 20576), (465, 20687), (475, 20705), (479, 20720), (508, 20774), (550, 20855), (556, 20858), (615, 21014), (635, 21044), (677, 21137), (731, 21251), (775, 21377), (831, 21512), (835, 21527), (842, 21551), (866, 21626), (867, 21629), (869, 21641), (899, 21725), (933, 21803), (943, 21830), (945, 21836), (964, 21881), (968, 21890), (992, 21971),

Gene: AN9_31 Start: 20192, Stop: 21982, Start Num: 156
Candidate Starts for AN9_31:
(110, 20126), (Start: 136 @20168 has 48 MA's), (Start: 156 @20192 has 559 MA's), (323, 20426), (325, 20429), (366, 20501), (367, 20504), (376, 20519), (402, 20558), (406, 20564), (465, 20675), (475, 20693), (479, 20708), (508, 20762), (550, 20843), (556, 20846), (615, 21002), (635, 21032), (677, 21125), (731, 21239), (775, 21365), (831, 21500), (835, 21515), (842, 21539), (866, 21614), (867, 21617), (869, 21629), (899, 21713), (933, 21791), (943, 21818), (945, 21824), (964, 21869), (968, 21878), (992, 21959),

Gene: ANI8_31 Start: 20192, Stop: 21982, Start Num: 156
Candidate Starts for ANI8_31:
(110, 20126), (Start: 136 @20168 has 48 MA's), (Start: 156 @20192 has 559 MA's), (323, 20426), (325, 20429), (366, 20501), (367, 20504), (376, 20519), (402, 20558), (406, 20564), (465, 20675), (475, 20693), (479, 20708), (508, 20762), (550, 20843), (556, 20846), (615, 21002), (635, 21032), (677, 21125), (731, 21239), (775, 21365), (831, 21500), (835, 21515), (842, 21539), (866, 21614), (867, 21617), (869, 21629), (899, 21713), (933, 21791), (943, 21818), (945, 21824), (964, 21869), (968, 21878), (992, 21959),

Gene: APunk_36 Start: 30211, Stop: 31833, Start Num: 183
Candidate Starts for APunk_36:
(Start: 138 @30154 has 1 MA's), (Start: 183 @30211 has 17 MA's), (201, 30232), (210, 30244), (247, 30295), (261, 30334), (274, 30358), (300, 30430), (344, 30517), (373, 30568), (390, 30598), (434, 30679), (447, 30706), (567, 30805), (578, 30835), (584, 30844), (596, 30877), (597, 30880), (621, 30940), (648, 30988), (651, 30997), (688, 31096), (706, 31135), (713, 31147), (806, 31291), (819, 31315), (826, 31342), (843, 31402), (844, 31405), (854, 31432), (858, 31447), (873, 31504), (877, 31516), (893, 31564), (896, 31573), (899, 31579), (909, 31600), (919, 31633), (948, 31678), (971,

31729), (992, 31807), (994, 31816),

Gene: Abblin_35 Start: 30775, Stop: 32376, Start Num: 201
Candidate Starts for Abblin_35:
(Start: 183 @30754 has 17 MA's), (201, 30775), (210, 30787), (247, 30838), (274, 30901), (300, 30973), (344, 31060), (373, 31111), (390, 31141), (434, 31222), (447, 31249), (567, 31348), (578, 31378), (584, 31387), (596, 31420), (597, 31423), (598, 31426), (601, 31435), (621, 31483), (648, 31531), (651, 31540), (688, 31639), (706, 31678), (713, 31690), (762, 31807), (812, 31846), (826, 31885), (842, 31942), (856, 31981), (858, 31990), (873, 32047), (877, 32059), (896, 32116), (899, 32122), (909, 32143), (919, 32176), (948, 32221), (992, 32350), (994, 32359),

Gene: AbbyPaige_30 Start: 20697, Stop: 22469, Start Num: 156
Candidate Starts for AbbyPaige_30:
(Start: 136 @20673 has 48 MA's), (Start: 156 @20697 has 559 MA's), (238, 20796), (281, 20880), (323, 20931), (325, 20934), (366, 21006), (367, 21009), (402, 21063), (421, 21102), (465, 21180), (508, 21267), (550, 21348), (556, 21351), (635, 21537), (675, 21624), (723, 21729), (731, 21744), (775, 21870), (777, 21876), (808, 21924), (835, 22002), (837, 22008), (855, 22062), (866, 22101), (869, 22116), (899, 22200), (945, 22311),

Gene: AbbysRanger_27 Start: 19840, Stop: 21639, Start Num: 156
Candidate Starts for AbbysRanger_27:
(Start: 136 @19816 has 48 MA's), (Start: 156 @19840 has 559 MA's), (Start: 204 @19900 has 1 MA's), (254, 19969), (286, 20047), (Start: 303 @20071 has 11 MA's), (323, 20083), (325, 20086), (344, 20122), (367, 20161), (376, 20176), (402, 20215), (449, 20308), (465, 20332), (508, 20419), (567, 20533), (581, 20572), (615, 20659), (644, 20704), (674, 20773), (683, 20797), (687, 20809), (731, 20896), (762, 20971), (767, 20989), (769, 20998), (775, 21022), (777, 21028), (782, 21043), (800, 21076), (820, 21121), (821, 21124), (828, 21145), (899, 21370), (933, 21448), (943, 21475), (945, 21481), (992, 21616),

Gene: Abbyshoes_28 Start: 21319, Stop: 23121, Start Num: 159
Candidate Starts for Abbyshoes_28:
(Start: 159 @21319 has 217 MA's), (Start: 176 @21340 has 45 MA's), (Start: 204 @21382 has 1 MA's), (237, 21427), (367, 21643), (395, 21688), (402, 21697), (421, 21736), (448, 21787), (449, 21790), (556, 21985), (581, 22054), (674, 22255), (675, 22258), (683, 22279), (730, 22375), (731, 22378), (733, 22384), (762, 22453), (767, 22471), (769, 22480), (777, 22510), (821, 22606), (831, 22639), (835, 22654), (879, 22795), (899, 22852), (945, 22963),

Gene: Abdiel_26 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Abdiel_26:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Abrogate_280 Start: 21879, Stop: 23681, Start Num: 159
Candidate Starts for Abrogate_280:
(Start: 159 @21879 has 217 MA's), (Start: 176 @21900 has 45 MA's), (Start: 204 @21942 has 1 MA's), (237, 21987), (367, 22203), (395, 22248), (402, 22257), (421, 22296), (448, 22347), (449, 22350), (556, 22545), (581, 22614), (674, 22815), (675, 22818), (683, 22839), (730, 22935), (731, 22938), (733, 22944), (762, 23013), (767, 23031), (769, 23040), (777, 23070), (821, 23166), (831,

23199), (835, 23214), (879, 23355), (899, 23412), (945, 23523),

Gene: Abscondus_47 Start: 29340, Stop: 31031, Start Num: 165
Candidate Starts for Abscondus_47:
(Start: 165 @29340 has 14 MA's), (207, 29400), (229, 29433), (Start: 249 @29463 has 2 MA's), (250, 29466), (317, 29625), (322, 29634), (392, 29763), (418, 29811), (591, 30024), (592, 30030), (600, 30054), (661, 30183), (666, 30204), (677, 30237), (754, 30435), (844, 30588), (875, 30687), (879, 30699), (882, 30708), (913, 30792), (981, 30939), (991, 30975),

Gene: Achebe_26 Start: 19823, Stop: 21622, Start Num: 156
Candidate Starts for Achebe_26:
(Start: 136 @19799 has 48 MA's), (Start: 156 @19823 has 559 MA's), (Start: 162 @19829 has 5 MA's), (Start: 204 @19883 has 1 MA's), (254, 19952), (286, 20030), (Start: 303 @20054 has 11 MA's), (325, 20069), (344, 20105), (367, 20144), (376, 20159), (402, 20198), (449, 20291), (465, 20315), (508, 20402), (567, 20516), (581, 20555), (615, 20642), (644, 20687), (674, 20756), (683, 20780), (687, 20792), (731, 20879), (762, 20954), (767, 20972), (769, 20981), (775, 21005), (777, 21011), (782, 21026), (800, 21059), (820, 21104), (821, 21107), (828, 21128), (899, 21353), (933, 21431), (943, 21458), (945, 21464), (992, 21599),

Gene: Acme_29 Start: 21420, Stop: 23222, Start Num: 159
Candidate Starts for Acme_29:
(Start: 159 @21420 has 217 MA's), (Start: 176 @21441 has 45 MA's), (Start: 204 @21483 has 1 MA's), (237, 21528), (367, 21744), (395, 21789), (402, 21798), (421, 21837), (448, 21888), (449, 21891), (556, 22086), (581, 22155), (674, 22356), (675, 22359), (683, 22380), (730, 22476), (731, 22479), (733, 22485), (762, 22554), (767, 22572), (769, 22581), (777, 22611), (821, 22707), (831, 22740), (835, 22755), (879, 22896), (899, 22953), (945, 23064),

Gene: Acolyte_28 Start: 20741, Stop: 22531, Start Num: 156
Candidate Starts for Acolyte_28:
(110, 20675), (Start: 136 @20717 has 48 MA's), (Start: 156 @20741 has 559 MA's), (238, 20840), (259, 20876), (269, 20894), (286, 20939), (Start: 303 @20963 has 11 MA's), (323, 20975), (325, 20978), (366, 21050), (367, 21053), (402, 21107), (406, 21113), (465, 21224), (475, 21242), (508, 21311), (542, 21371), (556, 21395), (575, 21455), (581, 21464), (615, 21551), (635, 21581), (687, 21701), (689, 21707), (731, 21788), (775, 21914), (790, 21959), (821, 22016), (831, 22049), (835, 22064), (842, 22088), (855, 22124), (866, 22163), (869, 22178), (899, 22262), (943, 22367), (945, 22373), (968, 22427), (992, 22508),

Gene: Acquire49_18 Start: 16746, Stop: 18515, Start Num: 136
Candidate Starts for Acquire49_18:
(Start: 103 @16683 has 1 MA's), (Start: 111 @16704 has 74 MA's), (Start: 119 @16719 has 3 MA's), (Start: 136 @16746 has 48 MA's), (207, 16839), (241, 16887), (246, 16893), (265, 16920), (266, 16923), (269, 16929), (295, 17001), (298, 17010), (318, 17034), (327, 17049), (342, 17079), (414, 17205), (417, 17214), (427, 17235), (435, 17250), (475, 17319), (488, 17355), (501, 17376), (542, 17445), (562, 17484), (636, 17622), (644, 17634), (674, 17709), (676, 17715), (683, 17733), (695, 17772), (712, 17805), (716, 17814), (724, 17823), (730, 17832), (731, 17835), (774, 17955), (785, 17991), (826, 18039), (830, 18051), (858, 18105), (888, 18201), (893, 18219), (895, 18225), (896, 18228), (912, 18261), (919, 18285), (951, 18348), (965, 18390), (977, 18429), (983, 18447), (989, 18468), (994, 18489),

Gene: ActinUp_23 Start: 17157, Stop: 18923, Start Num: 178
Candidate Starts for ActinUp_23:
(Start: 178 @17157 has 139 MA's), (198, 17187), (284, 17346), (295, 17379), (311, 17409), (329, 17442), (335, 17454), (371, 17544), (400, 17586), (436, 17658), (441, 17667), (465, 17706), (484,

17751), (491, 17772), (492, 17775), (527, 17829), (536, 17847), (551, 17889), (557, 17895), (567, 17922), (647, 18060), (656, 18078), (670, 18120), (676, 18138), (688, 18168), (702, 18195), (751, 18300), (821, 18459), (832, 18495), (841, 18525), (853, 18534), (879, 18609), (896, 18660), (948, 18759), (983, 18855), (993, 18894), (994, 18897), (1004, 18915),

Gene: Adahisdi_28 Start: 21327, Stop: 23129, Start Num: 159
Candidate Starts for Adahisdi_28:
(Start: 159 @21327 has 217 MA's), (Start: 176 @21348 has 45 MA's), (Start: 204 @21390 has 1 MA's), (237, 21435), (367, 21651), (395, 21696), (402, 21705), (421, 21744), (448, 21795), (449, 21798), (556, 21993), (581, 22062), (674, 22263), (675, 22266), (683, 22287), (730, 22383), (731, 22386), (733, 22392), (762, 22461), (767, 22479), (769, 22488), (777, 22518), (821, 22614), (831, 22647), (835, 22662), (879, 22803), (899, 22860), (945, 22971),

Gene: Adelaide_17 Start: 16318, Stop: 18015, Start Num: 132
Candidate Starts for Adelaide_17:
(Start: 132 @16318 has 8 MA's), (Start: 148 @16339 has 5 MA's), (Start: 212 @16423 has 47 MA's), (232, 16450), (237, 16456), (318, 16588), (346, 16639), (367, 16672), (382, 16696), (448, 16816), (469, 16849), (477, 16867), (503, 16921), (536, 16966), (562, 17023), (565, 17035), (577, 17074), (622, 17134), (637, 17155), (644, 17164), (670, 17221), (703, 17311), (758, 17419), (773, 17473), (775, 17479), (781, 17497), (837, 17593), (853, 17614), (869, 17659), (929, 17818), (939, 17833), (944, 17848), (948, 17860), (998, 18004),

Gene: Adephagia_23 Start: 17154, Stop: 18920, Start Num: 178
Candidate Starts for Adephagia_23:
(Start: 178 @17154 has 139 MA's), (198, 17184), (284, 17343), (295, 17376), (311, 17406), (329, 17439), (335, 17451), (371, 17541), (400, 17583), (436, 17655), (441, 17664), (465, 17703), (484, 17748), (491, 17769), (492, 17772), (527, 17826), (536, 17844), (551, 17886), (557, 17892), (567, 17919), (647, 18057), (656, 18075), (670, 18117), (676, 18135), (688, 18165), (702, 18192), (751, 18297), (821, 18456), (832, 18492), (841, 18522), (853, 18531), (879, 18606), (896, 18657), (948, 18756), (983, 18852), (993, 18891), (994, 18894), (1004, 18912),

Gene: Adnama_27 Start: 20253, Stop: 21932, Start Num: 147
Candidate Starts for Adnama_27:
(Start: 147 @20253 has 120 MA's), (Start: 212 @20337 has 47 MA's), (Start: 260 @20415 has 1 MA's), (296, 20502), (301, 20517), (332, 20565), (349, 20604), (405, 20691), (420, 20724), (437, 20760), (454, 20790), (457, 20796), (538, 20865), (561, 20895), (565, 20907), (566, 20910), (591, 20967), (650, 21099), (651, 21105), (675, 21171), (677, 21177), (686, 21201), (704, 21249), (715, 21273), (721, 21282), (754, 21357), (810, 21408), (819, 21423), (867, 21585), (875, 21612), (885, 21642), (926, 21747), (971, 21825), (980, 21861), (983, 21870), (992, 21903), (998, 21918),

Gene: Adonis_23 Start: 17160, Stop: 18926, Start Num: 178
Candidate Starts for Adonis_23:
(Start: 178 @17160 has 139 MA's), (198, 17190), (284, 17349), (295, 17382), (311, 17412), (329, 17445), (335, 17457), (371, 17547), (400, 17589), (436, 17661), (441, 17670), (465, 17709), (484, 17754), (491, 17775), (492, 17778), (527, 17832), (536, 17850), (551, 17892), (557, 17898), (567, 17925), (647, 18063), (656, 18081), (670, 18123), (676, 18141), (688, 18171), (702, 18198), (751, 18303), (821, 18462), (832, 18498), (853, 18537), (879, 18612), (896, 18663), (983, 18858), (993, 18897), (994, 18900), (1004, 18918),

Gene: Adora_20 Start: 17855, Stop: 19435, Start Num: 213
Candidate Starts for Adora_20:
(123, 17738), (Start: 213 @17855 has 53 MA's), (358, 18113), (369, 18134), (406, 18188), (423, 18227), (455, 18284), (469, 18305), (585, 18476), (592, 18494), (606, 18518), (631, 18539), (663,

18581), (691, 18662), (730, 18752), (751, 18803), (768, 18854), (769, 18857), (784, 18911), (836, 19001), (948, 19280), (951, 19289), (965, 19319),

Gene: Adzzy_29 Start: 18919, Stop: 20709, Start Num: 156
Candidate Starts for Adzzy_29:
(110, 18853), (Start: 136 @18895 has 48 MA's), (Start: 156 @18919 has 559 MA's), (198, 18964), (210, 18979), (269, 19072), (323, 19153), (325, 19156), (366, 19228), (367, 19231), (376, 19246), (402, 19285), (406, 19291), (465, 19402), (469, 19408), (479, 19435), (508, 19489), (550, 19570), (615, 19729), (635, 19759), (677, 19852), (689, 19885), (712, 19936), (731, 19966), (775, 20092), (813, 20173), (819, 20182), (831, 20227), (835, 20242), (842, 20266), (866, 20341), (867, 20344), (869, 20356), (899, 20440), (943, 20545), (968, 20605), (992, 20686),

Gene: Aegeus_18 Start: 16306, Stop: 18069, Start Num: 134
Candidate Starts for Aegeus_18:
(Start: 111 @16267 has 74 MA's), (Start: 119 @16282 has 3 MA's), (Start: 134 @16306 has 2 MA's), (Start: 161 @16327 has 14 MA's), (237, 16429), (246, 16444), (269, 16480), (296, 16555), (298, 16561), (Start: 303 @16579 has 11 MA's), (318, 16585), (323, 16591), (395, 16723), (414, 16756), (419, 16768), (430, 16789), (501, 16927), (542, 16996), (546, 17011), (556, 17023), (562, 17035), (564, 17044), (575, 17083), (579, 17089), (590, 17107), (600, 17137), (636, 17179), (674, 17266), (687, 17302), (695, 17329), (716, 17371), (730, 17389), (731, 17392), (732, 17395), (762, 17467), (764, 17470), (782, 17536), (785, 17548), (826, 17596), (858, 17662), (863, 17680), (875, 17722), (881, 17740), (896, 17785), (899, 17791), (945, 17887), (948, 17896), (951, 17905), (969, 17953), (971, 17956), (977, 17983), (983, 18001), (985, 18010), (989, 18022), (992, 18034), (994, 18043), (1002, 18055),

Gene: Aeneas_29 Start: 21456, Stop: 23258, Start Num: 159
Candidate Starts for Aeneas_29:
(Start: 159 @21456 has 217 MA's), (Start: 176 @21477 has 45 MA's), (Start: 204 @21519 has 1 MA's), (237, 21564), (367, 21780), (395, 21825), (402, 21834), (421, 21873), (448, 21924), (449, 21927), (556, 22122), (581, 22191), (674, 22392), (675, 22395), (683, 22416), (730, 22512), (731, 22515), (733, 22521), (762, 22590), (767, 22608), (769, 22617), (777, 22647), (821, 22743), (831, 22776), (835, 22791), (879, 22932), (899, 22989), (945, 23100),

Gene: Affeca_33 Start: 30652, Stop: 32415, Start Num: 111
Candidate Starts for Affeca_33:
(104, 30634), (Start: 111 @30652 has 74 MA's), (Start: 131 @30688 has 1 MA's), (238, 30826), (285, 30922), (289, 30931), (340, 31000), (367, 31051), (395, 31096), (406, 31111), (448, 31192), (475, 31237), (478, 31246), (535, 31336), (543, 31366), (550, 31381), (562, 31405), (571, 31435), (641, 31540), (689, 31657), (695, 31675), (699, 31690), (723, 31720), (730, 31732), (731, 31735), (740, 31762), (879, 32086), (880, 32089), (896, 32137), (909, 32164), (917, 32191), (943, 32245), (952, 32272), (1000, 32410),

Gene: Agaliana_28 Start: 21421, Stop: 23202, Start Num: 176
Candidate Starts for Agaliana_28:
(Start: 159 @21400 has 217 MA's), (Start: 176 @21421 has 45 MA's), (Start: 204 @21463 has 1 MA's), (237, 21508), (367, 21724), (395, 21769), (402, 21778), (448, 21868), (449, 21871), (465, 21895), (556, 22066), (581, 22135), (674, 22336), (675, 22339), (683, 22360), (730, 22456), (731, 22459), (733, 22465), (762, 22534), (767, 22552), (769, 22561), (777, 22591), (821, 22687), (831, 22720), (835, 22735), (879, 22876), (899, 22933), (945, 23044),

Gene: Agape74_30 Start: 20673, Stop: 22445, Start Num: 156
Candidate Starts for Agape74_30:

(Start: 136 @20649 has 48 MA's), (Start: 156 @20673 has 559 MA's), (238, 20772), (281, 20856), (323, 20907), (325, 20910), (366, 20982), (367, 20985), (402, 21039), (421, 21078), (465, 21156), (508, 21243), (550, 21324), (556, 21327), (675, 21600), (723, 21705), (731, 21720), (775, 21846), (777, 21852), (808, 21900), (835, 21978), (837, 21984), (855, 22038), (866, 22077), (869, 22092), (899, 22176), (945, 22287),

Gene: Agatha_18 Start: 15732, Stop: 17429, Start Num: 151
Candidate Starts for Agatha_18:
(Start: 141 @15729 has 37 MA's), (Start: 151 @15732 has 50 MA's), (287, 15942), (367, 16065), (400, 16116), (445, 16203), (462, 16233), (473, 16248), (477, 16260), (525, 16338), (530, 16350), (541, 16377), (553, 16410), (567, 16443), (571, 16455), (590, 16497), (666, 16620), (691, 16692), (731, 16770), (736, 16785), (744, 16803), (767, 16860), (821, 16953), (832, 16989), (835, 17001), (837, 17007), (841, 17019), (853, 17028), (878, 17100), (879, 17103), (881, 17109), (885, 17121), (909, 17181), (925, 17226), (931, 17235), (945, 17268), (973, 17334),

Gene: Agent47_21 Start: 17591, Stop: 19363, Start Num: 181
Candidate Starts for Agent47_21:
(Start: 181 @17591 has 15 MA's), (Start: 186 @17597 has 1 MA's), (201, 17621), (228, 17654), (256, 17702), (277, 17756), (295, 17807), (329, 17870), (376, 17978), (436, 18086), (491, 18200), (492, 18203), (512, 18242), (527, 18257), (534, 18269), (536, 18275), (547, 18311), (551, 18317), (557, 18323), (571, 18362), (579, 18386), (647, 18488), (671, 18551), (751, 18731), (782, 18830), (824, 18908), (831, 18932), (833, 18938), (851, 18971), (879, 19049), (881, 19055), (951, 19208), (988, 19313), (989, 19316), (993, 19334),

Gene: AgentM_24 Start: 19734, Stop: 21533, Start Num: 156
Candidate Starts for AgentM_24:
(Start: 156 @19734 has 559 MA's), (241, 19839), (Start: 260 @19872 has 1 MA's), (325, 19971), (367, 20046), (376, 20061), (400, 20097), (436, 20169), (445, 20184), (465, 20217), (469, 20223), (575, 20448), (579, 20454), (615, 20544), (671, 20649), (674, 20658), (689, 20700), (694, 20718), (730, 20778), (731, 20781), (762, 20856), (767, 20874), (820, 21015), (831, 21051), (899, 21264), (942, 21366), (945, 21375), (986, 21489), (992, 21510), (994, 21519),

Gene: Ageofdapage_23 Start: 17088, Stop: 18854, Start Num: 178
Candidate Starts for Ageofdapage_23:
(Start: 178 @17088 has 139 MA's), (198, 17118), (284, 17277), (295, 17310), (311, 17340), (329, 17373), (335, 17385), (371, 17475), (395, 17511), (400, 17517), (436, 17589), (441, 17598), (465, 17637), (484, 17682), (491, 17703), (492, 17706), (536, 17778), (547, 17814), (551, 17820), (557, 17826), (567, 17853), (579, 17889), (647, 17991), (656, 18009), (676, 18069), (688, 18099), (702, 18126), (751, 18231), (779, 18321), (821, 18390), (832, 18426), (841, 18456), (853, 18465), (879, 18540), (896, 18591), (948, 18690), (971, 18741), (983, 18786), (993, 18825), (994, 18828), (1004, 18846),

Gene: Aggie_18 Start: 14990, Stop: 16699, Start Num: 147
Candidate Starts for Aggie_18:
(Start: 147 @14990 has 120 MA's), (Start: 171 @15017 has 28 MA's), (Start: 249 @15122 has 2 MA's), (252, 15134), (269, 15170), (290, 15221), (299, 15251), (301, 15257), (320, 15284), (324, 15290), (390, 15410), (419, 15464), (422, 15470), (432, 15488), (437, 15500), (438, 15503), (450, 15524), (475, 15566), (535, 15599), (558, 15650), (564, 15665), (580, 15707), (589, 15722), (591, 15728), (605, 15776), (616, 15800), (625, 15830), (648, 15854), (670, 15914), (674, 15926), (693, 15980), (700, 15989), (727, 16049), (730, 16052), (806, 16157), (810, 16166), (825, 16205), (866, 16343), (918, 16493), (919, 16496), (924, 16505), (944, 16526), (955, 16553), (971, 16589), (998, 16682),

Gene: Aglet_29 Start: 20380, Stop: 22176, Start Num: 156
Candidate Starts for Aglet_29:
(Start: 156 @20380 has 559 MA's), (Start: 204 @20437 has 1 MA's), (215, 20452), (238, 20485), (254, 20506), (259, 20521), (Start: 303 @20608 has 11 MA's), (323, 20620), (325, 20623), (367, 20698), (376, 20713), (400, 20749), (508, 20956), (567, 21070), (581, 21109), (615, 21196), (674, 21310), (683, 21334), (689, 21352), (731, 21433), (762, 21508), (767, 21526), (775, 21559), (777, 21565), (790, 21604), (820, 21658), (821, 21661), (828, 21682), (844, 21739), (899, 21907), (943, 22012), (945, 22018), (992, 22153),

Gene: AgronaGT15_29 Start: 20287, Stop: 22083, Start Num: 156
Candidate Starts for AgronaGT15_29:
(Start: 156 @20287 has 559 MA's), (Start: 204 @20344 has 1 MA's), (215, 20359), (238, 20392), (254, 20413), (259, 20428), (Start: 303 @20515 has 11 MA's), (323, 20527), (325, 20530), (367, 20605), (376, 20620), (400, 20656), (508, 20863), (567, 20977), (581, 21016), (615, 21103), (674, 21217), (683, 21241), (689, 21259), (731, 21340), (762, 21415), (767, 21433), (775, 21466), (777, 21472), (790, 21511), (820, 21565), (821, 21568), (828, 21589), (844, 21646), (899, 21814), (943, 21919), (945, 21925), (992, 22060),

Gene: Agueybana_19 Start: 17777, Stop: 19375, Start Num: 213
Candidate Starts for Agueybana_19:
(Start: 213 @17777 has 53 MA's), (356, 18026), (358, 18035), (367, 18053), (369, 18056), (406, 18110), (443, 18185), (479, 18254), (483, 18263), (488, 18275), (509, 18326), (521, 18353), (526, 18362), (528, 18365), (585, 18398), (613, 18455), (663, 18521), (700, 18632), (714, 18656), (730, 18692), (768, 18794), (784, 18851), (836, 18941), (885, 19058), (933, 19181), (965, 19259),

Gene: AikoCarson_17 Start: 15037, Stop: 16731, Start Num: 151
Candidate Starts for AikoCarson_17:
(Start: 141 @15034 has 37 MA's), (Start: 151 @15037 has 50 MA's), (235, 15136), (241, 15148), (287, 15244), (344, 15328), (400, 15418), (430, 15478), (477, 15562), (495, 15607), (525, 15640), (530, 15652), (540, 15676), (567, 15745), (571, 15757), (666, 15922), (691, 15994), (731, 16072), (736, 16087), (744, 16105), (767, 16162), (835, 16303), (837, 16309), (841, 16321), (853, 16330), (878, 16402), (879, 16405), (881, 16411), (885, 16423), (925, 16528), (931, 16537), (945, 16570), (998, 16723),

Gene: Ailee_33 Start: 31142, Stop: 32905, Start Num: 111
Candidate Starts for Ailee_33:
(104, 31124), (Start: 111 @31142 has 74 MA's), (Start: 131 @31178 has 1 MA's), (238, 31316), (285, 31412), (289, 31421), (340, 31490), (367, 31541), (395, 31586), (406, 31601), (448, 31682), (475, 31727), (478, 31736), (535, 31826), (543, 31856), (550, 31871), (562, 31895), (571, 31925), (641, 32030), (689, 32147), (695, 32165), (699, 32180), (723, 32210), (730, 32222), (731, 32225), (740, 32252), (879, 32576), (880, 32579), (896, 32627), (909, 32654), (917, 32681), (943, 32735), (952, 32762), (994, 32891),

Gene: Airmid_24 Start: 18975, Stop: 20774, Start Num: 156
Candidate Starts for Airmid_24:
(Start: 156 @18975 has 559 MA's), (325, 19212), (367, 19287), (376, 19302), (400, 19338), (436, 19410), (445, 19425), (465, 19458), (467, 19461), (469, 19464), (567, 19659), (575, 19689), (579, 19695), (615, 19785), (644, 19830), (674, 19899), (689, 19941), (694, 19959), (730, 20019), (731, 20022), (767, 20115), (820, 20256), (831, 20292), (942, 20607), (945, 20616), (992, 20751),

Gene: Ajay_28 Start: 21632, Stop: 23434, Start Num: 159
Candidate Starts for Ajay_28:

(Start: 159 @21632 has 217 MA's), (Start: 176 @21653 has 45 MA's), (Start: 204 @21695 has 1 MA's), (237, 21740), (367, 21956), (395, 22001), (402, 22010), (448, 22100), (449, 22103), (556, 22298), (581, 22367), (670, 22556), (674, 22568), (675, 22571), (683, 22592), (730, 22688), (731, 22691), (733, 22697), (762, 22766), (767, 22784), (769, 22793), (777, 22823), (821, 22919), (831, 22952), (835, 22967), (879, 23108), (899, 23165), (945, 23276),

Gene: Akhila_17 Start: 15476, Stop: 17185, Start Num: 142
Candidate Starts for Akhila_17:
(Start: 142 @15476 has 207 MA's), (215, 15563), (Start: 249 @15608 has 2 MA's), (258, 15632), (299, 15737), (301, 15743), (309, 15761), (332, 15791), (390, 15896), (422, 15956), (434, 15977), (437, 15986), (450, 16010), (558, 16136), (564, 16151), (566, 16157), (580, 16193), (582, 16196), (589, 16208), (591, 16214), (605, 16262), (611, 16274), (614, 16280), (648, 16340), (653, 16352), (666, 16388), (670, 16400), (700, 16475), (704, 16484), (713, 16502), (715, 16508), (730, 16538), (806, 16643), (810, 16652), (812, 16655), (820, 16676), (825, 16691), (844, 16757), (847, 16769), (878, 16868), (885, 16889), (896, 16922), (911, 16952), (919, 16982), (924, 16991), (928, 16997), (944, 17012), (945, 17015), (955, 17039), (968, 17069), (973, 17081), (980, 17111), (992, 17153),

Gene: Alatin_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Alatin_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Albee_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Albee_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Alberto7_28 Start: 20129, Stop: 21907, Start Num: 156
Candidate Starts for Alberto7_28:
(Start: 136 @20105 has 48 MA's), (Start: 156 @20129 has 559 MA's), (Start: 204 @20186 has 1 MA's), (241, 20240), (254, 20255), (Start: 260 @20273 has 1 MA's), (Start: 303 @20357 has 11 MA's), (323, 20369), (325, 20372), (367, 20447), (376, 20462), (402, 20501), (465, 20618), (508, 20705), (550, 20786), (572, 20834), (581, 20858), (615, 20945), (644, 20990), (675, 21062), (683, 21083), (689, 21101), (731, 21182), (767, 21275), (769, 21284), (775, 21308), (777, 21314), (784, 21338), (821, 21392), (828, 21413), (842, 21464), (850, 21488), (867, 21542), (899, 21638), (943, 21743), (948, 21758), (987, 21866), (992, 21884),

Gene: Aleemily_19 Start: 16551, Stop: 18215, Start Num: 167
Candidate Starts for Aleemily_19:
(Start: 153 @16536 has 9 MA's), (Start: 167 @16551 has 22 MA's), (Start: 171 @16557 has 28 MA's), (193, 16587), (Start: 196 @16596 has 2 MA's), (346, 16830), (367, 16863), (397, 16911), (436, 16986), (462, 17031), (508, 17121), (525, 17136), (545, 17190), (550, 17199), (567, 17232), (577, 17265), (581, 17271), (703, 17505), (712, 17517), (730, 17544), (740, 17577), (758, 17616), (762, 17625), (782, 17697), (811, 17712), (821, 17736), (835, 17784), (874, 17871), (881, 17892), (905, 17958), (933, 18024), (951, 18072), (984, 18162),

Gene: Alexphander_18 Start: 15332, Stop: 17041, Start Num: 142
Candidate Starts for Alexphander_18:
(Start: 142 @15332 has 207 MA's), (215, 15419), (Start: 249 @15464 has 2 MA's), (258, 15488), (282, 15545), (299, 15593), (301, 15599), (309, 15617), (332, 15647), (390, 15752), (419, 15806), (422, 15812), (425, 15821), (437, 15842), (450, 15866), (473, 15902), (475, 15908), (535, 15941), (536, 15944), (539, 15953), (544, 15968), (546, 15974), (558, 15992), (564, 16007), (566, 16013), (572, 16031), (573, 16034), (580, 16049), (589, 16064), (591, 16070), (605, 16118), (611, 16130), (614, 16136), (648, 16196), (653, 16208), (666, 16244), (670, 16256), (700, 16331), (704, 16340), (713, 16358), (715, 16364), (730, 16394), (806, 16499), (812, 16511), (825, 16547), (847, 16625), (878, 16724), (885, 16745), (896, 16778), (911, 16808), (919, 16838), (924, 16847), (928, 16853), (944, 16868), (945, 16871), (955, 16895), (968, 16925), (973, 16937), (980, 16967), (992, 17009),

Gene: Ali17_31 Start: 28415, Stop: 30040, Start Num: 183
Candidate Starts for Ali17_31:
(Start: 183 @28415 has 17 MA's), (193, 28427), (215, 28460), (221, 28469), (230, 28481), (Start: 249 @28511 has 2 MA's), (296, 28628), (300, 28640), (341, 28715), (373, 28775), (390, 28805), (567, 29012), (578, 29042), (596, 29084), (597, 29087), (601, 29099), (621, 29147), (648, 29195), (674, 29267), (687, 29300), (688, 29303), (706, 29342), (724, 29381), (761, 29468), (762, 29471), (826, 29549), (858, 29654), (881, 29735), (901, 29789), (948, 29885), (992, 30014), (998, 30029),

Gene: AlishaPH_23 Start: 17147, Stop: 18913, Start Num: 178
Candidate Starts for AlishaPH_23:
(Start: 178 @17147 has 139 MA's), (198, 17177), (284, 17336), (295, 17369), (311, 17399), (329, 17432), (335, 17444), (371, 17534), (400, 17576), (436, 17648), (441, 17657), (465, 17696), (484, 17741), (491, 17762), (492, 17765), (527, 17819), (536, 17837), (551, 17879), (557, 17885), (567, 17912), (647, 18050), (656, 18068), (670, 18110), (676, 18128), (688, 18158), (702, 18185), (751, 18290), (821, 18449), (832, 18485), (841, 18515), (853, 18524), (879, 18599), (896, 18650), (983, 18845), (993, 18884), (994, 18887), (1004, 18905),

Gene: Aliter_30 Start: 21674, Stop: 23467, Start Num: 153
Candidate Starts for Aliter_30:
(Start: 153 @21674 has 9 MA's), (Start: 156 @21677 has 559 MA's), (323, 21911), (325, 21914), (366, 21986), (367, 21989), (376, 22004), (402, 22043), (406, 22049), (465, 22160), (508, 22247), (550, 22328), (556, 22331), (635, 22517), (669, 22580), (675, 22604), (677, 22610), (689, 22643), (731, 22724), (775, 22850), (788, 22892), (790, 22895), (821, 22952), (831, 22985), (835, 23000), (866, 23099), (867, 23102), (869, 23114), (899, 23198), (925, 23264), (943, 23303), (945, 23309), (964, 23354), (983, 23411), (984, 23414),

Gene: Alkhayr_54 Start: 33189, Stop: 34925, Start Num: 126
Candidate Starts for Alkhayr_54:
(Start: 120 @33180 has 2 MA's), (Start: 126 @33189 has 26 MA's), (Start: 195 @33279 has 1 MA's), (266, 33396), (282, 33432), (291, 33453), (299, 33480), (301, 33486), (322, 33516), (336, 33540), (363, 33591), (437, 33729), (440, 33735), (472, 33786), (473, 33789), (482, 33807), (558, 33858), (566, 33879), (567, 33882), (589, 33930), (591, 33936), (605, 33984), (607, 33990), (611, 33996), (632, 34056), (648, 34080), (650, 34083), (666, 34128), (671, 34143), (674, 34152), (677, 34161), (693, 34206), (704, 34224), (721, 34257), (812, 34395), (820, 34416), (840, 34482), (848, 34512), (865, 34566), (878, 34608), (885, 34629), (892, 34650), (896, 34662), (907, 34683), (928, 34737), (971, 34815), (980, 34851), (986, 34872), (993, 34899),

Gene: Alma_30 Start: 21753, Stop: 23546, Start Num: 153
Candidate Starts for Alma_30:

(Start: 153 @21753 has 9 MA's), (Start: 156 @21756 has 559 MA's), (323, 21990), (325, 21993), (366, 22065), (367, 22068), (376, 22083), (402, 22122), (406, 22128), (465, 22239), (508, 22326), (550, 22407), (556, 22410), (575, 22470), (635, 22596), (669, 22659), (675, 22683), (677, 22689), (689, 22722), (731, 22803), (775, 22929), (788, 22971), (790, 22974), (821, 23031), (831, 23064), (835, 23079), (866, 23178), (867, 23181), (869, 23193), (899, 23277), (925, 23343), (943, 23382), (945, 23388), (964, 23433), (983, 23490), (984, 23493),

Gene: Aloeri_17 Start: 14677, Stop: 16386, Start Num: 142
Candidate Starts for Aloeri_17:
(Start: 142 @14677 has 207 MA's), (215, 14764), (Start: 249 @14809 has 2 MA's), (258, 14833), (299, 14938), (301, 14944), (309, 14962), (320, 14971), (332, 14992), (390, 15097), (422, 15157), (425, 15166), (434, 15178), (437, 15187), (450, 15211), (473, 15247), (475, 15253), (482, 15265), (535, 15286), (536, 15289), (539, 15298), (544, 15313), (546, 15319), (558, 15337), (564, 15352), (566, 15358), (572, 15376), (573, 15379), (580, 15394), (589, 15409), (591, 15415), (605, 15463), (611, 15475), (614, 15481), (648, 15541), (653, 15553), (658, 15562), (666, 15589), (670, 15601), (700, 15676), (704, 15685), (713, 15703), (715, 15709), (730, 15739), (806, 15844), (810, 15853), (812, 15856), (825, 15892), (847, 15970), (878, 16069), (885, 16090), (896, 16123), (911, 16153), (919, 16183), (922, 16189), (924, 16192), (928, 16198), (944, 16213), (945, 16216), (953, 16237), (955, 16240), (973, 16282), (992, 16354), (993, 16360),

Gene: Alpacados_22 Start: 16285, Stop: 17910, Start Num: 182
Candidate Starts for Alpacados_22:
(Start: 171 @16270 has 28 MA's), (Start: 182 @16285 has 32 MA's), (232, 16354), (256, 16390), (367, 16576), (439, 16705), (465, 16747), (478, 16774), (486, 16798), (495, 16816), (525, 16846), (534, 16861), (556, 16912), (590, 16996), (669, 17113), (675, 17137), (730, 17251), (748, 17299), (762, 17329), (772, 17368), (775, 17380), (808, 17410), (835, 17488), (894, 17635), (904, 17659), (917, 17695), (938, 17734), (998, 17902),

Gene: AlpineSix_16 Start: 15041, Stop: 16750, Start Num: 142
Candidate Starts for AlpineSix_16:
(Start: 142 @15041 has 207 MA's), (215, 15128), (232, 15149), (Start: 249 @15173 has 2 MA's), (258, 15197), (266, 15218), (299, 15302), (301, 15308), (309, 15326), (332, 15356), (390, 15461), (419, 15515), (422, 15521), (432, 15539), (434, 15542), (437, 15551), (450, 15575), (535, 15650), (539, 15662), (544, 15677), (546, 15683), (558, 15701), (564, 15716), (566, 15722), (574, 15749), (580, 15758), (589, 15773), (591, 15779), (605, 15827), (611, 15839), (614, 15845), (648, 15905), (653, 15917), (666, 15953), (670, 15965), (677, 15986), (700, 16040), (704, 16049), (713, 16067), (715, 16073), (730, 16103), (806, 16208), (810, 16217), (812, 16220), (825, 16256), (836, 16295), (847, 16334), (885, 16454), (896, 16487), (911, 16517), (919, 16547), (924, 16556), (928, 16562), (944, 16577), (945, 16580), (953, 16601), (955, 16604), (971, 16640), (973, 16646), (980, 16676), (992, 16718),

Gene: Alsfro_31 Start: 21865, Stop: 23667, Start Num: 159
Candidate Starts for Alsfro_31:
(Start: 159 @21865 has 217 MA's), (Start: 176 @21886 has 45 MA's), (Start: 204 @21928 has 1 MA's), (237, 21973), (367, 22189), (395, 22234), (402, 22243), (448, 22333), (449, 22336), (465, 22360), (495, 22429), (556, 22531), (581, 22600), (670, 22789), (674, 22801), (675, 22804), (683, 22825), (730, 22921), (731, 22924), (733, 22930), (762, 22999), (767, 23017), (769, 23026), (777, 23056), (821, 23152), (831, 23185), (835, 23200), (879, 23341), (899, 23398), (945, 23509), (1000, 23662),

Gene: Altman_29 Start: 21923, Stop: 23725, Start Num: 159
Candidate Starts for Altman_29:

(Start: 159 @21923 has 217 MA's), (Start: 176 @21944 has 45 MA's), (Start: 204 @21986 has 1 MA's), (237, 22031), (367, 22247), (395, 22292), (402, 22301), (421, 22340), (448, 22391), (449, 22394), (495, 22487), (556, 22589), (581, 22658), (674, 22859), (675, 22862), (683, 22883), (730, 22979), (731, 22982), (733, 22988), (762, 23057), (767, 23075), (769, 23084), (777, 23114), (821, 23210), (831, 23243), (835, 23258), (879, 23399), (899, 23456), (945, 23567),

Gene: AlumE_19 Start: 17776, Stop: 19374, Start Num: 213
Candidate Starts for AlumE_19:
(Start: 213 @17776 has 53 MA's), (358, 18034), (367, 18052), (369, 18055), (406, 18109), (443, 18184), (479, 18253), (483, 18262), (488, 18274), (491, 18286), (509, 18325), (521, 18352), (526, 18361), (528, 18364), (585, 18397), (613, 18454), (663, 18520), (700, 18631), (730, 18691), (768, 18793), (784, 18850), (836, 18940), (933, 19180), (965, 19258),

Gene: Alvin_28 Start: 21635, Stop: 23437, Start Num: 159
Candidate Starts for Alvin_28:
(Start: 159 @21635 has 217 MA's), (Start: 176 @21656 has 45 MA's), (Start: 204 @21698 has 1 MA's), (237, 21743), (367, 21959), (395, 22004), (402, 22013), (448, 22103), (449, 22106), (495, 22199), (556, 22301), (581, 22370), (670, 22559), (674, 22571), (675, 22574), (683, 22595), (730, 22691), (731, 22694), (733, 22700), (762, 22769), (767, 22787), (769, 22796), (777, 22826), (821, 22922), (831, 22955), (835, 22970), (879, 23111), (899, 23168), (945, 23279),

Gene: Amao_24 Start: 19034, Stop: 20629, Start Num: 212
Candidate Starts for Amao_24:
(Start: 147 @18950 has 120 MA's), (Start: 212 @19034 has 47 MA's), (Start: 260 @19112 has 1 MA's), (296, 19199), (301, 19214), (332, 19262), (349, 19301), (405, 19388), (420, 19421), (437, 19457), (454, 19487), (457, 19493), (538, 19562), (561, 19592), (565, 19604), (566, 19607), (591, 19664), (650, 19796), (651, 19802), (675, 19868), (677, 19874), (686, 19898), (704, 19946), (715, 19970), (721, 19979), (754, 20054), (810, 20105), (819, 20120), (867, 20282), (875, 20309), (885, 20339), (926, 20444), (971, 20522), (980, 20558), (983, 20567), (992, 20600), (998, 20615),

Gene: Amelie_19 Start: 16697, Stop: 18463, Start Num: 178
Candidate Starts for Amelie_19:
(Start: 178 @16697 has 139 MA's), (Start: 181 @16703 has 15 MA's), (198, 16727), (272, 16853), (277, 16868), (284, 16886), (311, 16949), (371, 17084), (376, 17090), (436, 17198), (441, 17207), (491, 17312), (534, 17381), (536, 17387), (547, 17423), (557, 17435), (579, 17498), (647, 17600), (656, 17618), (670, 17660), (671, 17663), (721, 17768), (751, 17840), (784, 17948), (786, 17954), (821, 17999), (837, 18053), (853, 18074), (879, 18149), (896, 18200), (948, 18299), (954, 18314), (971, 18350), (983, 18395), (993, 18434), (994, 18437), (1004, 18455),

Gene: AmericanBeauty_26 Start: 19733, Stop: 21412, Start Num: 147
Candidate Starts for AmericanBeauty_26:
(Start: 147 @19733 has 120 MA's), (Start: 212 @19817 has 47 MA's), (Start: 260 @19895 has 1 MA's), (296, 19982), (301, 19997), (332, 20045), (349, 20084), (405, 20171), (420, 20204), (437, 20240), (454, 20270), (457, 20276), (538, 20345), (561, 20375), (565, 20387), (566, 20390), (591, 20447), (650, 20579), (651, 20585), (675, 20651), (677, 20657), (686, 20681), (704, 20729), (715, 20753), (721, 20762), (754, 20837), (810, 20888), (819, 20903), (867, 21065), (875, 21092), (885, 21122), (926, 21227), (971, 21305), (980, 21341), (983, 21350), (992, 21383), (998, 21398),

Gene: Amgine_21 Start: 17216, Stop: 19009, Start Num: 146
Candidate Starts for Amgine_21:
(Start: 146 @17216 has 1 MA's), (Start: 171 @17246 has 28 MA's), (Start: 176 @17252 has 45 MA's), (Start: 178 @17255 has 139 MA's), (Start: 195 @17267 has 1 MA's), (198, 17273), (272, 17399), (277, 17414), (295, 17465), (311, 17495), (329, 17528), (371, 17630), (400, 17672), (436, 17744), (441,

17753), (509, 17897), (512, 17900), (527, 17915), (534, 17927), (536, 17933), (541, 17951), (551, 17975), (557, 17981), (567, 18008), (579, 18044), (656, 18164), (702, 18281), (721, 18314), (724, 18326), (731, 18338), (751, 18386), (831, 18578), (841, 18611), (853, 18620), (875, 18683), (879, 18695), (896, 18746), (899, 18752), (948, 18845), (971, 18896), (983, 18941), (993, 18980), (994, 18983), (1004, 19001),

Gene: Aminay_21 Start: 17435, Stop: 19210, Start Num: 178
Candidate Starts for Aminay_21:
(14, 16757), (17, 16769), (37, 16964), (Start: 178 @17435 has 139 MA's), (272, 17579), (277, 17594), (295, 17645), (311, 17675), (335, 17720), (376, 17816), (430, 17912), (436, 17924), (485, 18020), (536, 18113), (541, 18131), (557, 18161), (571, 18200), (590, 18242), (647, 18326), (671, 18389), (683, 18422), (696, 18461), (751, 18590), (779, 18680), (782, 18689), (821, 18746), (831, 18779), (837, 18800), (841, 18812), (879, 18896), (896, 18947), (899, 18953), (951, 19055), (980, 19133), (986, 19154), (993, 19181), (1004, 19202),

Gene: Amochick_22 Start: 17409, Stop: 19151, Start Num: 176
Candidate Starts for Amochick_22:
(Start: 176 @17409 has 45 MA's), (Start: 181 @17418 has 15 MA's), (Start: 212 @17460 has 47 MA's), (248, 17511), (258, 17535), (263, 17547), (272, 17568), (277, 17583), (284, 17601), (296, 17634), (307, 17661), (342, 17733), (382, 17823), (427, 17907), (433, 17916), (445, 17937), (479, 18003), (490, 18030), (506, 18063), (527, 18081), (537, 18102), (541, 18117), (542, 18120), (571, 18186), (572, 18189), (599, 18255), (612, 18267), (630, 18276), (632, 18279), (671, 18366), (690, 18420), (715, 18465), (720, 18471), (749, 18543), (762, 18573), (769, 18600), (779, 18636), (782, 18645), (831, 18723), (889, 18867), (894, 18885), (899, 18897), (907, 18912), (908, 18915), (915, 18936), (925, 18948), (951, 18996), (967, 19029), (989, 19104), (993, 19122), (1004, 19143),

Gene: Amohnition_22 Start: 17620, Stop: 19395, Start Num: 171
Candidate Starts for Amohnition_22:
(Start: 146 @17590 has 1 MA's), (Start: 171 @17620 has 28 MA's), (Start: 178 @17629 has 139 MA's), (198, 17659), (272, 17785), (277, 17800), (284, 17818), (295, 17851), (329, 17914), (335, 17926), (342, 17944), (371, 18016), (395, 18052), (400, 18058), (441, 18139), (488, 18232), (491, 18244), (492, 18247), (509, 18283), (536, 18319), (551, 18361), (557, 18367), (567, 18394), (656, 18550), (688, 18640), (702, 18667), (724, 18712), (751, 18772), (774, 18847), (782, 18871), (821, 18931), (832, 18967), (841, 18997), (879, 19081), (951, 19240), (993, 19366), (994, 19369), (1004, 19387),

Gene: Amok_17 Start: 15034, Stop: 16728, Start Num: 151
Candidate Starts for Amok_17:
(Start: 141 @15031 has 37 MA's), (Start: 151 @15034 has 50 MA's), (235, 15133), (241, 15145), (351, 15340), (400, 15415), (465, 15535), (477, 15559), (495, 15604), (525, 15637), (530, 15649), (540, 15673), (567, 15742), (571, 15754), (666, 15919), (691, 15991), (731, 16069), (736, 16084), (744, 16102), (767, 16159), (835, 16300), (837, 16306), (841, 16318), (853, 16327), (878, 16399), (879, 16402), (881, 16408), (885, 16420), (925, 16525), (931, 16534), (945, 16567), (998, 16720),

Gene: Amymech_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Amymech_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915,

18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Anaya_24 Start: 17173, Stop: 18939, Start Num: 178
Candidate Starts for Anaya_24:
(Start: 178 @17173 has 139 MA's), (198, 17203), (284, 17362), (295, 17395), (311, 17425), (329, 17458), (335, 17470), (371, 17560), (400, 17602), (436, 17674), (441, 17683), (465, 17722), (484, 17767), (491, 17788), (492, 17791), (536, 17863), (551, 17905), (557, 17911), (567, 17938), (647, 18076), (656, 18094), (670, 18136), (676, 18154), (688, 18184), (751, 18316), (832, 18511), (841, 18541), (853, 18550), (879, 18625), (896, 18676), (899, 18682), (971, 18826), (983, 18871), (993, 18910), (994, 18913), (1004, 18931),

Gene: Anaysia_30 Start: 19096, Stop: 20883, Start Num: 156
Candidate Starts for Anaysia_30:
(110, 19030), (Start: 136 @19072 has 48 MA's), (Start: 156 @19096 has 559 MA's), (Start: 260 @19234 has 1 MA's), (285, 19291), (325, 19333), (344, 19369), (367, 19408), (409, 19477), (421, 19501), (449, 19555), (536, 19705), (556, 19750), (567, 19780), (579, 19816), (600, 19867), (613, 19903), (644, 19951), (671, 20011), (730, 20140), (762, 20218), (835, 20419), (837, 20425), (867, 20521), (929, 20686), (971, 20785),

Gene: AndPeggy_17 Start: 15394, Stop: 17094, Start Num: 141
Candidate Starts for AndPeggy_17:
(Start: 141 @15394 has 37 MA's), (Start: 151 @15397 has 50 MA's), (235, 15499), (241, 15511), (287, 15607), (344, 15691), (400, 15781), (430, 15841), (445, 15868), (462, 15898), (465, 15901), (495, 15970), (525, 16003), (530, 16015), (534, 16018), (540, 16039), (541, 16042), (567, 16108), (571, 16120), (666, 16285), (731, 16435), (736, 16450), (744, 16468), (767, 16525), (835, 16666), (837, 16672), (841, 16684), (853, 16693), (878, 16765), (879, 16768), (881, 16774), (885, 16786), (925, 16891), (931, 16900), (945, 16933),

Gene: Andies_18 Start: 14986, Stop: 16695, Start Num: 147
Candidate Starts for Andies_18:
(Start: 147 @14986 has 120 MA's), (Start: 171 @15013 has 28 MA's), (Start: 249 @15118 has 2 MA's), (252, 15130), (269, 15166), (290, 15217), (299, 15247), (301, 15253), (320, 15280), (324, 15286), (390, 15406), (419, 15460), (422, 15466), (432, 15484), (437, 15496), (438, 15499), (450, 15520), (475, 15562), (535, 15595), (558, 15646), (564, 15661), (580, 15703), (589, 15718), (591, 15724), (605, 15772), (616, 15796), (625, 15826), (648, 15850), (674, 15922), (693, 15976), (700, 15985), (727, 16045), (730, 16048), (806, 16153), (810, 16162), (825, 16201), (866, 16339), (918, 16489), (919, 16492), (924, 16501), (944, 16522), (955, 16549), (971, 16585), (998, 16678),

Gene: Aneem_28 Start: 20755, Stop: 22554, Start Num: 156
Candidate Starts for Aneem_28:
(110, 20689), (Start: 136 @20731 has 48 MA's), (Start: 156 @20755 has 559 MA's), (Start: 196 @20797 has 2 MA's), (Start: 260 @20893 has 1 MA's), (269, 20908), (323, 20989), (325, 20992), (367, 21067), (376, 21082), (402, 21121), (406, 21127), (430, 21178), (465, 21238), (469, 21244), (508, 21325), (556, 21409), (603, 21535), (609, 21553), (622, 21580), (689, 21721), (723, 21787), (730, 21799), (731, 21802), (800, 21991), (813, 22018), (819, 22027), (824, 22048), (825, 22051), (831, 22072), (835, 22087), (842, 22111), (866, 22186), (869, 22201), (899, 22285), (943, 22390), (945, 22396), (968, 22450), (1000, 22549),

Gene: Angel_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Angel_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369),

(567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Angelica_23 Start: 17122, Stop: 18888, Start Num: 178
Candidate Starts for Angelica_23:
(Start: 178 @17122 has 139 MA's), (198, 17152), (284, 17311), (295, 17344), (311, 17374), (329, 17407), (335, 17419), (371, 17509), (400, 17551), (436, 17623), (441, 17632), (465, 17671), (484, 17716), (491, 17737), (492, 17740), (527, 17794), (536, 17812), (551, 17854), (557, 17860), (567, 17887), (647, 18025), (656, 18043), (670, 18085), (676, 18103), (688, 18133), (702, 18160), (751, 18265), (821, 18424), (832, 18460), (841, 18490), (853, 18499), (879, 18574), (896, 18625), (983, 18820), (993, 18859), (994, 18862), (1004, 18880),

Gene: Angelicage_33 Start: 31069, Stop: 32832, Start Num: 111
Candidate Starts for Angelicage_33:
(104, 31051), (Start: 111 @31069 has 74 MA's), (Start: 131 @31105 has 1 MA's), (238, 31243), (255, 31267), (285, 31339), (289, 31348), (367, 31468), (395, 31513), (406, 31528), (414, 31546), (448, 31609), (475, 31654), (478, 31663), (535, 31753), (543, 31783), (550, 31798), (553, 31807), (562, 31822), (571, 31852), (689, 32074), (695, 32092), (699, 32107), (723, 32137), (730, 32149), (731, 32152), (740, 32179), (879, 32503), (880, 32506), (896, 32554), (909, 32581), (917, 32608), (943, 32662), (951, 32686), (952, 32689), (984, 32779), (1000, 32827),

Gene: Angelique_20 Start: 17710, Stop: 19410, Start Num: 157
Candidate Starts for Angelique_20:
(Start: 137 @17686 has 45 MA's), (Start: 157 @17710 has 24 MA's), (197, 17752), (238, 17809), (262, 17851), (367, 18040), (445, 18187), (448, 18193), (535, 18337), (537, 18343), (546, 18376), (577, 18451), (730, 18733), (767, 18829), (826, 18952), (835, 18985), (837, 18991), (868, 19057), (879, 19087), (943, 19243), (945, 19249), (990, 19378),

Gene: Anglerfish_28 Start: 21836, Stop: 23638, Start Num: 159
Candidate Starts for Anglerfish_28:
(Start: 159 @21836 has 217 MA's), (Start: 176 @21857 has 45 MA's), (Start: 204 @21899 has 1 MA's), (237, 21944), (367, 22160), (395, 22205), (402, 22214), (448, 22304), (449, 22307), (495, 22400), (556, 22502), (581, 22571), (674, 22772), (675, 22775), (683, 22796), (730, 22892), (731, 22895), (733, 22901), (762, 22970), (767, 22988), (769, 22997), (777, 23027), (821, 23123), (831, 23156), (835, 23171), (879, 23312), (899, 23369), (945, 23480), (1000, 23633),

Gene: AngryOrchard_22 Start: 16268, Stop: 17893, Start Num: 182
Candidate Starts for AngryOrchard_22:
(Start: 171 @16253 has 28 MA's), (Start: 182 @16268 has 32 MA's), (232, 16337), (256, 16373), (342, 16514), (367, 16559), (439, 16688), (465, 16730), (475, 16748), (478, 16757), (486, 16781), (495, 16799), (525, 16829), (534, 16844), (535, 16847), (546, 16886), (556, 16895), (669, 17096), (730, 17234), (762, 17312), (772, 17351), (775, 17363), (808, 17393), (835, 17471), (894, 17618), (938, 17717), (943, 17732), (998, 17885),

Gene: AnnaL29_31 Start: 22021, Stop: 23793, Start Num: 156
Candidate Starts for AnnaL29_31:
(Start: 136 @21997 has 48 MA's), (Start: 156 @22021 has 559 MA's), (281, 22204), (323, 22255), (325, 22258), (366, 22330), (367, 22333), (402, 22387), (406, 22393), (421, 22426), (465, 22504), (469, 22510), (475, 22522), (508, 22591), (546, 22666), (550, 22672), (556, 22675), (571, 22717), (636, 22864), (674, 22945), (675, 22948), (689, 22987), (723, 23053), (731, 23068), (777, 23200), (808, 23248), (828, 23299), (831, 23311), (835, 23326), (837, 23332), (855, 23386), (869, 23440), (899, 23524), (925, 23590), (943, 23629), (945, 23635),

Gene: Annalisa_20 Start: 17346, Stop: 18926, Start Num: 213
Candidate Starts for Annalisa_20:
(123, 17229), (Start: 213 @17346 has 53 MA's), (358, 17604), (369, 17625), (406, 17679), (423, 17718), (455, 17775), (469, 17796), (585, 17967), (592, 17985), (606, 18009), (631, 18030), (663, 18072), (691, 18153), (730, 18243), (768, 18345), (769, 18348), (784, 18402), (910, 18672), (948, 18771), (951, 18780), (965, 18810),

Gene: Annihilator_18 Start: 16640, Stop: 18394, Start Num: 194
Candidate Starts for Annihilator_18:
(Start: 171 @16631 has 28 MA's), (Start: 194 @16640 has 44 MA's), (Start: 196 @16646 has 2 MA's), (201, 16652), (277, 16784), (295, 16835), (311, 16865), (325, 16889), (367, 16991), (391, 17030), (395, 17036), (406, 17051), (425, 17096), (488, 17216), (513, 17273), (536, 17312), (557, 17360), (567, 17387), (571, 17399), (607, 17480), (647, 17525), (731, 17723), (743, 17753), (751, 17771), (762, 17798), (785, 17882), (805, 17900), (818, 17915), (831, 17963), (835, 17978), (867, 18041), (885, 18098), (899, 18137), (915, 18179), (948, 18230), (983, 18326), (1004, 18386),

Gene: Annyong_27 Start: 19828, Stop: 21606, Start Num: 156
Candidate Starts for Annyong_27:
(Start: 136 @19804 has 48 MA's), (Start: 156 @19828 has 559 MA's), (Start: 204 @19885 has 1 MA's), (241, 19939), (254, 19954), (Start: 260 @19972 has 1 MA's), (Start: 303 @20056 has 11 MA's), (323, 20068), (325, 20071), (367, 20146), (376, 20161), (402, 20200), (465, 20317), (508, 20404), (550, 20485), (572, 20533), (581, 20557), (615, 20644), (644, 20689), (675, 20761), (683, 20782), (689, 20800), (731, 20881), (767, 20974), (769, 20983), (775, 21007), (777, 21013), (784, 21037), (821, 21091), (828, 21112), (842, 21163), (850, 21187), (867, 21241), (899, 21337), (943, 21442), (948, 21457), (987, 21565), (992, 21583),

Gene: Anon_28 Start: 19727, Stop: 21511, Start Num: 156
Candidate Starts for Anon_28:
(Start: 136 @19703 has 48 MA's), (Start: 156 @19727 has 559 MA's), (221, 19802), (254, 19847), (Start: 260 @19865 has 1 MA's), (325, 19964), (342, 19994), (344, 20000), (367, 20039), (376, 20054), (409, 20108), (421, 20132), (449, 20186), (469, 20216), (519, 20303), (536, 20336), (550, 20378), (556, 20381), (579, 20447), (600, 20498), (644, 20582), (730, 20771), (731, 20774), (755, 20837), (769, 20876), (782, 20921), (821, 21002), (831, 21035), (837, 21056), (856, 21113), (867, 21149), (899, 21242), (948, 21362), (983, 21455),

Gene: Anselm_28 Start: 20293, Stop: 22065, Start Num: 156
Candidate Starts for Anselm_28:
(Start: 136 @20269 has 48 MA's), (Start: 156 @20293 has 559 MA's), (238, 20392), (323, 20527), (325, 20530), (366, 20602), (367, 20605), (402, 20659), (421, 20698), (445, 20743), (465, 20776), (508, 20863), (550, 20944), (556, 20947), (675, 21220), (731, 21340), (775, 21466), (808, 21520), (813, 21529), (821, 21550), (831, 21583), (835, 21598), (837, 21604), (855, 21658), (866, 21697), (869, 21712), (899, 21796), (945, 21907), (992, 22042),

Gene: Anthony_27 Start: 18675, Stop: 20474, Start Num: 156
Candidate Starts for Anthony_27:
(110, 18609), (Start: 136 @18651 has 48 MA's), (Start: 156 @18675 has 559 MA's), (Start: 176 @18684 has 45 MA's), (238, 18774), (Start: 260 @18813 has 1 MA's), (323, 18909), (325, 18912), (366, 18984), (367, 18987), (402, 19041), (406, 19047), (465, 19158), (508, 19245), (550, 19326), (556, 19329), (615, 19485), (635, 19515), (689, 19641), (731, 19722), (775, 19848), (820, 19956), (821, 19959), (835, 20007), (855, 20067), (866, 20106), (869, 20121), (899, 20205), (943, 20310), (945, 20316), (951, 20334), (968, 20370), (992, 20451),

Gene: Antonio_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Antonio_19:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: Antsirabe_18 Start: 16985, Stop: 18709, Start Num: 194
Candidate Starts for Antsirabe_18:
(Start: 194 @16985 has 44 MA's), (273, 17105), (311, 17198), (367, 17324), (376, 17339), (395, 17369), (400, 17375), (406, 17384), (425, 17429), (488, 17549), (536, 17645), (551, 17687), (557, 17693), (571, 17732), (587, 17768), (607, 17813), (731, 18050), (751, 18098), (762, 18125), (771, 18161), (874, 18380), (885, 18413), (915, 18494), (983, 18641), (996, 18686),

Gene: Anubis_31 Start: 20265, Stop: 22061, Start Num: 156
Candidate Starts for Anubis_31:
(Start: 156 @20265 has 559 MA's), (Start: 204 @20322 has 1 MA's), (215, 20337), (238, 20370), (254, 20391), (259, 20406), (Start: 303 @20493 has 11 MA's), (323, 20505), (325, 20508), (367, 20583), (376, 20598), (400, 20634), (508, 20841), (567, 20955), (581, 20994), (615, 21081), (674, 21195), (683, 21219), (689, 21237), (731, 21318), (762, 21393), (767, 21411), (775, 21444), (777, 21450), (790, 21489), (820, 21543), (821, 21546), (828, 21567), (844, 21624), (899, 21792), (943, 21897), (945, 21903), (992, 22038),

Gene: Aphelion_48 Start: 29609, Stop: 31300, Start Num: 165
Candidate Starts for Aphelion_48:
(Start: 165 @29609 has 14 MA's), (207, 29669), (229, 29702), (250, 29735), (299, 29861), (317, 29894), (322, 29903), (392, 30032), (418, 30080), (591, 30293), (592, 30299), (600, 30323), (661, 30452), (666, 30473), (677, 30506), (754, 30704), (844, 30857), (875, 30956), (879, 30968), (882, 30977), (913, 31061), (981, 31208), (991, 31244), (994, 31256),

Gene: Apiary_45 Start: 31353, Stop: 32927, Start Num: 211
Candidate Starts for Apiary_45:
(Start: 211 @31353 has 16 MA's), (218, 31362), (256, 31416), (268, 31440), (277, 31443), (419, 31713), (458, 31776), (469, 31791), (529, 31908), (536, 31923), (562, 31980), (564, 31989), (577, 32031), (590, 32052), (600, 32082), (655, 32139), (690, 32214), (708, 32253), (734, 32310), (773, 32415), (774, 32418), (783, 32445), (837, 32523), (861, 32562), (915, 32718), (954, 32784),

Gene: Apocalypse_23 Start: 17125, Stop: 18891, Start Num: 178
Candidate Starts for Apocalypse_23:
(Start: 178 @17125 has 139 MA's), (198, 17155), (284, 17314), (295, 17347), (311, 17377), (329, 17410), (335, 17422), (371, 17512), (400, 17554), (436, 17626), (441, 17635), (465, 17674), (484, 17719), (491, 17740), (492, 17743), (527, 17797), (536, 17815), (551, 17857), (557, 17863), (567, 17890), (647, 18028), (656, 18046), (670, 18088), (676, 18106), (688, 18136), (702, 18163), (751, 18268), (821, 18427), (832, 18463), (841, 18493), (853, 18502), (879, 18577), (896, 18628), (983, 18823), (993, 18862), (994, 18865), (1004, 18883),

Gene: AppleCloud_21 Start: 16314, Stop: 17939, Start Num: 182
Candidate Starts for AppleCloud_21:
(Start: 171 @16299 has 28 MA's), (Start: 182 @16314 has 32 MA's), (Start: 212 @16356 has 47 MA's), (232, 16383), (256, 16419), (342, 16560), (367, 16605), (439, 16734), (465, 16776), (475, 16794), (478, 16803), (486, 16827), (495, 16845), (525, 16875), (534, 16890), (535, 16893), (546, 16932), (556, 16941), (590, 17025), (635, 17079), (644, 17094), (669, 17142), (675, 17166), (730,

17280), (762, 17358), (772, 17397), (775, 17409), (778, 17418), (808, 17439), (835, 17517), (894, 17664), (938, 17763), (943, 17778), (998, 17931),

Gene: Applecrisp_22 Start: 17666, Stop: 19420, Start Num: 178
Candidate Starts for Applecrisp_22:
(Start: 146 @17627 has 1 MA's), (Start: 171 @17657 has 28 MA's), (Start: 176 @17663 has 45 MA's), (Start: 178 @17666 has 139 MA's), (Start: 195 @17678 has 1 MA's), (198, 17684), (272, 17810), (277, 17825), (295, 17876), (311, 17906), (329, 17939), (371, 18041), (395, 18077), (400, 18083), (441, 18164), (509, 18308), (512, 18311), (527, 18326), (534, 18338), (536, 18344), (541, 18362), (551, 18386), (557, 18392), (567, 18419), (656, 18575), (702, 18692), (721, 18725), (724, 18737), (731, 18749), (751, 18797), (831, 18989), (841, 19022), (853, 19031), (863, 19055), (875, 19094), (879, 19106), (896, 19157), (899, 19163), (948, 19256), (971, 19307), (983, 19352), (993, 19391), (994, 19394), (1004, 19412),

Gene: Applejack_27 Start: 21097, Stop: 22899, Start Num: 159
Candidate Starts for Applejack_27:
(Start: 159 @21097 has 217 MA's), (Start: 176 @21118 has 45 MA's), (Start: 204 @21160 has 1 MA's), (237, 21205), (367, 21421), (395, 21466), (402, 21475), (421, 21514), (448, 21565), (449, 21568), (556, 21763), (581, 21832), (674, 22033), (675, 22036), (683, 22057), (730, 22153), (731, 22156), (733, 22162), (762, 22231), (767, 22249), (769, 22258), (777, 22288), (821, 22384), (831, 22417), (835, 22432), (879, 22573), (899, 22630), (945, 22741),

Gene: Appletree2_18 Start: 16636, Stop: 18468, Start Num: 103
Candidate Starts for Appletree2_18:
(Start: 103 @16636 has 1 MA's), (Start: 111 @16657 has 74 MA's), (Start: 119 @16672 has 3 MA's), (Start: 136 @16699 has 48 MA's), (207, 16792), (241, 16840), (246, 16846), (265, 16873), (269, 16882), (295, 16954), (298, 16963), (318, 16987), (327, 17002), (342, 17032), (414, 17158), (417, 17167), (427, 17188), (435, 17203), (475, 17272), (488, 17308), (501, 17329), (542, 17398), (562, 17437), (636, 17575), (644, 17587), (674, 17662), (676, 17668), (683, 17686), (695, 17725), (712, 17758), (716, 17767), (724, 17776), (730, 17785), (774, 17908), (785, 17944), (826, 17992), (830, 18004), (858, 18058), (888, 18154), (893, 18172), (895, 18178), (896, 18181), (912, 18214), (919, 18238), (951, 18301), (965, 18343), (977, 18382), (983, 18400), (989, 18421), (994, 18442),

Gene: Apricot_19 Start: 15970, Stop: 17667, Start Num: 156
Candidate Starts for Apricot_19:
(122, 15931), (Start: 156 @15970 has 559 MA's), (Start: 169 @15982 has 3 MA's), (Start: 171 @15985 has 28 MA's), (Start: 195 @16021 has 1 MA's), (223, 16060), (238, 16081), (261, 16123), (266, 16129), (268, 16132), (273, 16144), (286, 16180), (323, 16216), (346, 16273), (377, 16321), (393, 16348), (448, 16450), (473, 16489), (495, 16546), (506, 16564), (522, 16573), (525, 16579), (543, 16627), (557, 16657), (570, 16693), (572, 16699), (579, 16720), (581, 16723), (602, 16774), (636, 16801), (637, 16804), (654, 16831), (666, 16858), (691, 16930), (710, 16969), (743, 17023), (769, 17095), (783, 17140), (832, 17230), (837, 17248), (875, 17332), (878, 17341), (879, 17344), (881, 17350), (887, 17365), (897, 17395), (900, 17401), (909, 17422), (911, 17425), (933, 17479), (945, 17509), (948, 17518), (970, 17569), (980, 17602), (984, 17614), (989, 17632),

Gene: Aragog_24 Start: 19764, Stop: 21563, Start Num: 156
Candidate Starts for Aragog_24:
(Start: 156 @19764 has 559 MA's), (241, 19869), (Start: 260 @19902 has 1 MA's), (325, 20001), (367, 20076), (376, 20091), (400, 20127), (436, 20199), (445, 20214), (465, 20247), (469, 20253), (575, 20478), (579, 20484), (615, 20574), (671, 20679), (674, 20688), (689, 20730), (694, 20748), (730, 20808), (731, 20811), (762, 20886), (767, 20904), (820, 21045), (831, 21081), (899, 21294), (942, 21396), (945, 21405), (986, 21519), (992, 21540), (994, 21549),

Gene: Arcanine_28 Start: 20852, Stop: 22654, Start Num: 159
Candidate Starts for Arcanine_28:
(Start: 159 @20852 has 217 MA's), (Start: 176 @20873 has 45 MA's), (Start: 204 @20915 has 1 MA's), (237, 20960), (367, 21176), (395, 21221), (402, 21230), (448, 21320), (449, 21323), (495, 21416), (556, 21518), (581, 21587), (670, 21776), (674, 21788), (675, 21791), (683, 21812), (730, 21908), (731, 21911), (733, 21917), (762, 21986), (767, 22004), (769, 22013), (777, 22043), (821, 22139), (831, 22172), (835, 22187), (879, 22328), (899, 22385), (945, 22496),

Gene: ArcherNM_30 Start: 21966, Stop: 23738, Start Num: 156
Candidate Starts for ArcherNM_30:
(110, 21900), (Start: 136 @21942 has 48 MA's), (Start: 156 @21966 has 559 MA's), (281, 22149), (323, 22200), (325, 22203), (366, 22275), (367, 22278), (402, 22332), (406, 22338), (421, 22371), (465, 22449), (469, 22455), (475, 22467), (508, 22536), (546, 22611), (550, 22617), (556, 22620), (635, 22806), (674, 22890), (675, 22893), (689, 22932), (712, 22983), (723, 22998), (731, 23013), (775, 23139), (777, 23145), (808, 23193), (828, 23244), (831, 23256), (835, 23271), (837, 23277), (855, 23331), (869, 23385), (899, 23469), (925, 23535), (943, 23574), (945, 23580),

Gene: Archetta_24 Start: 19557, Stop: 21356, Start Num: 156
Candidate Starts for Archetta_24:
(Start: 156 @19557 has 559 MA's), (Start: 260 @19695 has 1 MA's), (325, 19794), (367, 19869), (400, 19920), (436, 19992), (445, 20007), (465, 20040), (469, 20046), (522, 20139), (567, 20241), (575, 20271), (579, 20277), (615, 20367), (635, 20397), (670, 20469), (674, 20481), (675, 20484), (689, 20523), (694, 20541), (730, 20601), (731, 20604), (752, 20655), (767, 20697), (820, 20838), (833, 20880), (945, 21198), (992, 21333),

Gene: ArchiDore_19 Start: 16244, Stop: 17938, Start Num: 233
Candidate Starts for ArchiDore_19:
(117, 16094), (200, 16208), (Start: 222 @16232 has 16 MA's), (Start: 233 @16244 has 1 MA's), (309, 16421), (314, 16427), (343, 16493), (400, 16607), (433, 16673), (436, 16679), (537, 16859), (539, 16865), (551, 16898), (612, 17027), (632, 17039), (644, 17060), (673, 17132), (720, 17237), (721, 17240), (745, 17303), (747, 17306), (762, 17339), (831, 17507), (833, 17513), (876, 17612), (1004, 17930),

Gene: Archie_18 Start: 17205, Stop: 18938, Start Num: 175
Candidate Starts for Archie_18:
(Start: 175 @17205 has 56 MA's), (223, 17274), (295, 17415), (296, 17418), (327, 17463), (343, 17496), (346, 17505), (366, 17541), (400, 17595), (414, 17622), (419, 17634), (445, 17685), (448, 17691), (469, 17724), (546, 17877), (562, 17901), (564, 17910), (579, 17955), (601, 18006), (636, 18048), (686, 18168), (712, 18231), (730, 18258), (746, 18303), (764, 18339), (819, 18438), (824, 18459), (826, 18465), (830, 18477), (860, 18540), (888, 18627), (896, 18654), (925, 18723), (935, 18738), (951, 18774), (977, 18852), (983, 18870),

Gene: Archimedes_16 Start: 14567, Stop: 16171, Start Num: 227
Candidate Starts for Archimedes_16:
(Start: 227 @14567 has 45 MA's), (275, 14654), (323, 14759), (353, 14822), (361, 14828), (374, 14852), (430, 14960), (470, 15029), (591, 15212), (594, 15224), (613, 15278), (675, 15422), (677, 15428), (697, 15494), (704, 15512), (758, 15638), (799, 15668), (843, 15749), (844, 15752), (878, 15860), (881, 15869), (892, 15902), (963, 16049),

Gene: Archis_20 Start: 16861, Stop: 18507, Start Num: 227
Candidate Starts for Archis_20:
(203, 16825), (Start: 227 @16861 has 45 MA's), (283, 16963), (318, 17041), (321, 17044), (374, 17140), (396, 17179), (435, 17260), (468, 17314), (475, 17329), (591, 17500), (600, 17530), (677,

17713), (686, 17737), (687, 17740), (700, 17788), (739, 17881), (744, 17893), (765, 17938), (799, 17953), (843, 18085), (844, 18088), (875, 18187), (881, 18205), (899, 18256), (925, 18322), (963, 18385), (968, 18397),

Gene: ArcusAngelus_16 Start: 14845, Stop: 16554, Start Num: 142
Candidate Starts for ArcusAngelus_16:
(Start: 142 @14845 has 207 MA's), (215, 14932), (Start: 249 @14977 has 2 MA's), (258, 15001), (299, 15106), (301, 15112), (309, 15130), (332, 15160), (390, 15265), (422, 15325), (434, 15346), (437, 15355), (447, 15373), (450, 15379), (535, 15454), (539, 15466), (544, 15481), (546, 15487), (558, 15505), (564, 15520), (566, 15526), (573, 15547), (580, 15562), (582, 15565), (589, 15577), (591, 15583), (605, 15631), (611, 15643), (614, 15649), (648, 15709), (653, 15721), (666, 15757), (670, 15769), (671, 15772), (677, 15790), (700, 15844), (704, 15853), (713, 15871), (715, 15877), (806, 16012), (810, 16021), (812, 16024), (825, 16060), (836, 16099), (847, 16138), (878, 16237), (885, 16258), (896, 16291), (911, 16321), (919, 16351), (922, 16357), (924, 16360), (928, 16366), (944, 16381), (945, 16384), (955, 16408), (973, 16450), (992, 16522), (993, 16528),

Gene: Ardmore_16 Start: 14856, Stop: 16565, Start Num: 142
Candidate Starts for Ardmore_16:
(Start: 142 @14856 has 207 MA's), (215, 14943), (Start: 249 @14988 has 2 MA's), (258, 15012), (299, 15117), (301, 15123), (309, 15141), (332, 15171), (390, 15276), (422, 15336), (434, 15357), (437, 15366), (450, 15390), (535, 15465), (536, 15468), (558, 15516), (564, 15531), (566, 15537), (580, 15573), (582, 15576), (589, 15588), (591, 15594), (605, 15642), (611, 15654), (614, 15660), (648, 15720), (653, 15732), (666, 15768), (670, 15780), (700, 15855), (704, 15864), (713, 15882), (715, 15888), (730, 15918), (806, 16023), (810, 16032), (812, 16035), (825, 16071), (847, 16149), (878, 16248), (885, 16269), (896, 16302), (911, 16332), (919, 16362), (924, 16371), (928, 16377), (944, 16392), (945, 16395), (955, 16419), (968, 16449), (973, 16461), (980, 16491), (992, 16533),

Gene: Argent26_26 Start: 19736, Stop: 21415, Start Num: 147
Candidate Starts for Argent26_26:
(Start: 147 @19736 has 120 MA's), (Start: 212 @19820 has 47 MA's), (Start: 260 @19898 has 1 MA's), (296, 19985), (301, 20000), (332, 20048), (349, 20087), (405, 20174), (420, 20207), (437, 20243), (454, 20273), (457, 20279), (538, 20348), (561, 20378), (565, 20390), (566, 20393), (591, 20450), (650, 20582), (651, 20588), (675, 20654), (677, 20660), (686, 20684), (704, 20732), (715, 20756), (721, 20765), (754, 20840), (810, 20891), (819, 20906), (867, 21068), (875, 21095), (885, 21125), (926, 21230), (971, 21308), (980, 21344), (983, 21353), (992, 21386), (998, 21401),

Gene: Arianna_19 Start: 17425, Stop: 19089, Start Num: 159
Candidate Starts for Arianna_19:
(Start: 159 @17425 has 217 MA's), (184, 17458), (346, 17716), (395, 17794), (462, 17917), (469, 17926), (471, 17929), (475, 17938), (478, 17947), (556, 18088), (562, 18100), (579, 18154), (667, 18289), (678, 18322), (686, 18340), (690, 18352), (694, 18367), (730, 18427), (737, 18448), (740, 18457), (767, 18523), (775, 18556), (808, 18586), (811, 18592), (813, 18595), (835, 18664), (878, 18763), (881, 18772), (944, 18928), (948, 18940),

Gene: Arib1_19 Start: 16391, Stop: 18127, Start Num: 137
Candidate Starts for Arib1_19:
(Start: 137 @16391 has 45 MA's), (198, 16472), (201, 16475), (241, 16526), (272, 16589), (274, 16595), (290, 16634), (300, 16667), (317, 16691), (382, 16811), (387, 16826), (405, 16850), (407, 16856), (447, 16940), (473, 16982), (535, 17021), (538, 17027), (555, 17066), (558, 17072), (567, 17096), (591, 17150), (597, 17171), (621, 17231), (658, 17309), (670, 17348), (682, 17381), (704, 17447), (715, 17471), (726, 17495), (740, 17525), (746, 17537), (822, 17639), (865, 17777), (892, 17861), (937, 17960), (968, 18017), (983, 18068), (998, 18116),

Gene: Ariel_34 Start: 24674, Stop: 26407, Start Num: 141
Candidate Starts for Ariel_34:
(Start: 141 @24674 has 37 MA's), (Start: 212 @24764 has 47 MA's), (215, 24767), (258, 24842), (272, 24869), (296, 24935), (317, 24971), (334, 25001), (340, 25016), (385, 25100), (407, 25136), (420, 25163), (438, 25202), (457, 25235), (464, 25244), (536, 25301), (552, 25343), (586, 25418), (591, 25430), (611, 25490), (630, 25544), (650, 25574), (658, 25592), (662, 25601), (671, 25634), (675, 25646), (677, 25652), (691, 25691), (715, 25748), (819, 25898), (822, 25916), (835, 25958), (842, 25982), (843, 25985), (847, 26000), (858, 26030), (867, 26060), (885, 26117), (958, 26267), (994, 26387), (998, 26393),

Gene: Arissanae_28 Start: 19809, Stop: 21599, Start Num: 156
Candidate Starts for Arissanae_28:
(Start: 153 @19806 has 9 MA's), (Start: 156 @19809 has 559 MA's), (Start: 181 @19827 has 15 MA's), (221, 19884), (237, 19905), (271, 19965), (286, 20007), (323, 20043), (325, 20046), (367, 20121), (402, 20175), (406, 20181), (448, 20265), (465, 20292), (469, 20298), (508, 20379), (550, 20460), (556, 20463), (575, 20523), (581, 20532), (669, 20712), (675, 20736), (689, 20775), (731, 20856), (790, 21027), (821, 21084), (824, 21093), (831, 21117), (835, 21132), (842, 21156), (855, 21192), (866, 21231), (869, 21246), (899, 21330), (925, 21396), (943, 21435), (945, 21441), (964, 21486),

Gene: Arlo_26 Start: 20726, Stop: 22528, Start Num: 159
Candidate Starts for Arlo_26:
(Start: 159 @20726 has 217 MA's), (Start: 176 @20747 has 45 MA's), (Start: 204 @20789 has 1 MA's), (237, 20834), (367, 21050), (395, 21095), (402, 21104), (421, 21143), (448, 21194), (449, 21197), (495, 21290), (556, 21392), (581, 21461), (674, 21662), (675, 21665), (683, 21686), (730, 21782), (731, 21785), (733, 21791), (762, 21860), (767, 21878), (769, 21887), (777, 21917), (821, 22013), (831, 22046), (835, 22061), (879, 22202), (899, 22259), (945, 22370),

Gene: Aroostook_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Aroostook_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Arri_34 Start: 26557, Stop: 28323, Start Num: 111
Candidate Starts for Arri_34:
(93, 26515), (Start: 111 @26557 has 74 MA's), (Start: 131 @26593 has 1 MA's), (Start: 159 @26626 has 217 MA's), (287, 26836), (289, 26839), (323, 26869), (351, 26935), (367, 26959), (372, 26968), (393, 27001), (478, 27154), (495, 27193), (535, 27244), (539, 27256), (543, 27274), (548, 27286), (553, 27298), (562, 27313), (571, 27343), (572, 27346), (579, 27367), (636, 27439), (663, 27487), (699, 27598), (724, 27631), (740, 27670), (743, 27673), (769, 27745), (803, 27811), (809, 27823), (879, 27994), (880, 27997), (896, 28045), (909, 28072), (917, 28099), (943, 28153), (984, 28270), (990, 28291), (1000, 28318),

Gene: Artemis2UCLA_31 Start: 19873, Stop: 21645, Start Num: 156
Candidate Starts for Artemis2UCLA_31:
(110, 19807), (Start: 136 @19849 has 48 MA's), (Start: 156 @19873 has 559 MA's), (325, 20110), (366, 20182), (367, 20185), (376, 20200), (402, 20239), (406, 20245), (465, 20356), (469, 20362), (484, 20401), (508, 20443), (536, 20482), (550, 20524), (556, 20527), (615, 20683), (684, 20824), (689, 20839), (777, 21052), (828, 21151), (835, 21178), (852, 21229), (855, 21238), (866, 21277),

(869, 21292), (899, 21376), (943, 21481), (945, 21487), (992, 21622),

Gene: Arti_41 Start: 29812, Stop: 31425, Start Num: 202
Candidate Starts for Arti_41:
(Start: 202 @29812 has 36 MA's), (Start: 231 @29848 has 1 MA's), (242, 29866), (277, 29926), (406, 30166), (410, 30178), (417, 30193), (458, 30259), (469, 30274), (481, 30298), (482, 30301), (519, 30385), (535, 30415), (536, 30418), (562, 30475), (576, 30523), (577, 30526), (590, 30547), (663, 30652), (686, 30697), (704, 30739), (773, 30913), (783, 30943), (785, 30949), (860, 31057), (861, 31060), (885, 31135), (980, 31354), (998, 31411),

Gene: Arturo_26 Start: 19939, Stop: 21717, Start Num: 156
Candidate Starts for Arturo_26:
(Start: 136 @19915 has 48 MA's), (Start: 156 @19939 has 559 MA's), (Start: 204 @19996 has 1 MA's), (241, 20050), (254, 20065), (Start: 260 @20083 has 1 MA's), (Start: 303 @20167 has 11 MA's), (323, 20179), (325, 20182), (367, 20257), (376, 20272), (402, 20311), (465, 20428), (508, 20515), (550, 20596), (572, 20644), (581, 20668), (615, 20755), (644, 20800), (675, 20872), (683, 20893), (689, 20911), (731, 20992), (767, 21085), (769, 21094), (775, 21118), (777, 21124), (784, 21148), (821, 21202), (828, 21223), (842, 21274), (850, 21298), (867, 21352), (899, 21448), (943, 21553), (948, 21568), (987, 21676), (992, 21694),

Gene: Asapag_20 Start: 16428, Stop: 18125, Start Num: 156
Candidate Starts for Asapag_20:
(122, 16389), (Start: 156 @16428 has 559 MA's), (Start: 169 @16440 has 3 MA's), (223, 16518), (238, 16539), (266, 16587), (271, 16596), (286, 16638), (323, 16674), (346, 16731), (362, 16752), (377, 16779), (393, 16806), (473, 16947), (495, 17004), (522, 17031), (525, 17037), (543, 17085), (557, 17115), (570, 17151), (579, 17178), (581, 17181), (602, 17232), (636, 17259), (637, 17262), (654, 17289), (666, 17316), (691, 17388), (710, 17427), (743, 17481), (761, 17523), (783, 17598), (824, 17661), (832, 17688), (837, 17706), (875, 17790), (878, 17799), (879, 17802), (881, 17808), (887, 17823), (897, 17853), (900, 17859), (909, 17880), (911, 17883), (933, 17937), (945, 17967), (948, 17976), (970, 18027), (980, 18060), (984, 18072), (989, 18090),

Gene: Asayake_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Asayake_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Ashballer_27 Start: 21575, Stop: 23377, Start Num: 159
Candidate Starts for Ashballer_27:
(Start: 159 @21575 has 217 MA's), (Start: 176 @21596 has 45 MA's), (Start: 204 @21638 has 1 MA's), (237, 21683), (367, 21899), (395, 21944), (402, 21953), (421, 21992), (448, 22043), (449, 22046), (556, 22241), (581, 22310), (674, 22511), (675, 22514), (683, 22535), (730, 22631), (731, 22634), (733, 22640), (762, 22709), (767, 22727), (769, 22736), (777, 22766), (821, 22862), (831, 22895), (835, 22910), (879, 23051), (899, 23108), (945, 23219),

Gene: Ashertheman_35 Start: 29935, Stop: 31698, Start Num: 111
Candidate Starts for Ashertheman_35:
(Start: 111 @29935 has 74 MA's), (Start: 131 @29971 has 1 MA's), (232, 30100), (238, 30109), (285, 30205), (289, 30214), (340, 30283), (367, 30334), (372, 30343), (395, 30379), (406, 30394), (414, 30412), (448, 30475), (475, 30520), (478, 30529), (541, 30640), (543, 30649), (550, 30664), (562,

30688), (571, 30718), (689, 30940), (695, 30958), (699, 30973), (730, 31015), (731, 31018), (740, 31045), (785, 31165), (879, 31369), (880, 31372), (896, 31420), (909, 31447), (917, 31474), (943, 31528), (952, 31555),

Gene: Ashwin_58 Start: 33959, Stop: 35695, Start Num: 126
Candidate Starts for Ashwin_58:
(Start: 120 @33950 has 2 MA's), (Start: 126 @33959 has 26 MA's), (Start: 195 @34049 has 1 MA's), (266, 34166), (282, 34202), (291, 34223), (299, 34250), (301, 34256), (322, 34286), (336, 34310), (363, 34361), (437, 34499), (440, 34505), (472, 34556), (473, 34559), (482, 34577), (558, 34628), (566, 34649), (567, 34652), (589, 34700), (591, 34706), (605, 34754), (607, 34760), (611, 34766), (632, 34826), (648, 34850), (650, 34853), (666, 34898), (671, 34913), (674, 34922), (677, 34931), (693, 34976), (704, 34994), (721, 35027), (812, 35165), (820, 35186), (840, 35252), (848, 35282), (865, 35336), (878, 35378), (885, 35399), (892, 35420), (896, 35432), (907, 35453), (928, 35507), (971, 35585), (980, 35621), (986, 35642), (993, 35669),

Gene: Asriel_23 Start: 18698, Stop: 20293, Start Num: 212
Candidate Starts for Asriel_23:
(Start: 147 @18614 has 120 MA's), (Start: 212 @18698 has 47 MA's), (Start: 260 @18776 has 1 MA's), (296, 18863), (301, 18878), (332, 18926), (349, 18965), (405, 19052), (409, 19064), (420, 19085), (437, 19121), (454, 19151), (457, 19157), (538, 19226), (561, 19256), (565, 19268), (566, 19271), (591, 19328), (650, 19460), (651, 19466), (675, 19532), (677, 19538), (686, 19562), (704, 19610), (715, 19634), (721, 19643), (754, 19718), (810, 19769), (819, 19784), (867, 19946), (875, 19973), (885, 20003), (926, 20108), (971, 20186), (980, 20222), (983, 20231), (992, 20264), (998, 20279),

Gene: Astro_24 Start: 18655, Stop: 20445, Start Num: 156
Candidate Starts for Astro_24:
(Start: 136 @18631 has 48 MA's), (Start: 156 @18655 has 559 MA's), (235, 18748), (Start: 260 @18793 has 1 MA's), (325, 18892), (344, 18928), (367, 18967), (376, 18982), (400, 19018), (465, 19138), (469, 19144), (536, 19264), (590, 19393), (615, 19465), (674, 19579), (767, 19795), (775, 19828), (821, 19930), (831, 19963), (835, 19978), (844, 20008), (942, 20278), (945, 20287), (948, 20296), (989, 20410),

Gene: Atcoo_19 Start: 16260, Stop: 17996, Start Num: 137
Candidate Starts for Atcoo_19:
(Start: 121 @16236 has 6 MA's), (Start: 137 @16260 has 45 MA's), (Start: 186 @16320 has 1 MA's), (198, 16341), (201, 16344), (274, 16464), (290, 16503), (300, 16536), (317, 16560), (382, 16680), (405, 16719), (407, 16725), (447, 16809), (450, 16815), (457, 16827), (473, 16851), (485, 16878), (538, 16896), (555, 16935), (558, 16941), (567, 16965), (591, 17019), (594, 17031), (597, 17040), (621, 17100), (658, 17178), (670, 17217), (682, 17250), (704, 17316), (711, 17331), (715, 17340), (726, 17364), (740, 17394), (746, 17406), (822, 17508), (827, 17520), (828, 17523), (830, 17529), (832, 17538), (865, 17646), (892, 17730), (937, 17829), (983, 17937), (998, 17985),

Gene: Atiba_23 Start: 17117, Stop: 18883, Start Num: 178
Candidate Starts for Atiba_23:
(Start: 178 @17117 has 139 MA's), (198, 17147), (284, 17306), (295, 17339), (311, 17369), (329, 17402), (335, 17414), (371, 17504), (400, 17546), (436, 17618), (441, 17627), (465, 17666), (484, 17711), (491, 17732), (492, 17735), (527, 17789), (536, 17807), (551, 17849), (557, 17855), (567, 17882), (647, 18020), (656, 18038), (670, 18080), (676, 18098), (688, 18128), (702, 18155), (751, 18260), (821, 18419), (832, 18455), (841, 18485), (853, 18494), (879, 18569), (896, 18620), (948, 18719), (983, 18815), (993, 18854), (994, 18857), (1004, 18875),

Gene: Atkinbua_29 Start: 21550, Stop: 23352, Start Num: 159

Candidate Starts for Atkinbua_29:
(Start: 159 @21550 has 217 MA's), (Start: 176 @21571 has 45 MA's), (Start: 204 @21613 has 1 MA's), (237, 21658), (367, 21874), (395, 21919), (402, 21928), (421, 21967), (448, 22018), (449, 22021), (556, 22216), (581, 22285), (674, 22486), (675, 22489), (683, 22510), (730, 22606), (731, 22609), (733, 22615), (762, 22684), (767, 22702), (769, 22711), (777, 22741), (821, 22837), (831, 22870), (835, 22885), (879, 23026), (899, 23083), (945, 23194), (1000, 23347),

Gene: Attis_17 Start: 14751, Stop: 16460, Start Num: 216
Candidate Starts for Attis_17:
(115, 14616), (Start: 216 @14751 has 31 MA's), (304, 14940), (305, 14943), (347, 15018), (376, 15072), (417, 15141), (423, 15153), (469, 15231), (471, 15234), (526, 15366), (547, 15420), (571, 15471), (583, 15501), (613, 15561), (634, 15573), (663, 15609), (704, 15726), (714, 15744), (731, 15783), (768, 15879), (825, 15987), (931, 16263), (933, 16266), (951, 16314), (965, 16344),

Gene: Aubs_16 Start: 14966, Stop: 16675, Start Num: 142
Candidate Starts for Aubs_16:
(Start: 142 @14966 has 207 MA's), (215, 15053), (Start: 249 @15098 has 2 MA's), (258, 15122), (299, 15227), (301, 15233), (309, 15251), (332, 15281), (390, 15386), (422, 15446), (434, 15467), (437, 15476), (450, 15500), (535, 15575), (544, 15602), (546, 15608), (558, 15626), (564, 15641), (566, 15647), (580, 15683), (582, 15686), (589, 15698), (591, 15704), (605, 15752), (611, 15764), (614, 15770), (648, 15830), (653, 15842), (666, 15878), (670, 15890), (700, 15965), (704, 15974), (713, 15992), (715, 15998), (730, 16028), (806, 16133), (810, 16142), (812, 16145), (825, 16181), (847, 16259), (878, 16358), (885, 16379), (896, 16412), (911, 16442), (919, 16472), (924, 16481), (928, 16487), (944, 16502), (945, 16505), (955, 16529), (968, 16559), (973, 16571), (980, 16601), (992, 16643),

Gene: AugsMagnumOpus_31 Start: 20371, Stop: 22167, Start Num: 156
Candidate Starts for AugsMagnumOpus_31:
(Start: 156 @20371 has 559 MA's), (Start: 204 @20428 has 1 MA's), (215, 20443), (238, 20476), (254, 20497), (259, 20512), (Start: 303 @20599 has 11 MA's), (323, 20611), (325, 20614), (367, 20689), (376, 20704), (400, 20740), (508, 20947), (567, 21061), (581, 21100), (615, 21187), (674, 21301), (683, 21325), (689, 21343), (731, 21424), (762, 21499), (767, 21517), (775, 21550), (777, 21556), (790, 21595), (820, 21649), (821, 21652), (828, 21673), (844, 21730), (899, 21898), (943, 22003), (945, 22009), (992, 22144),

Gene: AuntGwenStacy_24 Start: 19608, Stop: 21443, Start Num: 121
Candidate Starts for AuntGwenStacy_24:
(Start: 121 @19608 has 6 MA's), (Start: 163 @19656 has 1 MA's), (Start: 169 @19665 has 3 MA's), (201, 19704), (228, 19734), (237, 19746), (256, 19782), (268, 19812), (272, 19821), (277, 19836), (295, 19887), (296, 19890), (345, 19989), (417, 20130), (445, 20181), (448, 20187), (473, 20226), (491, 20280), (536, 20349), (551, 20391), (568, 20427), (571, 20436), (606, 20514), (611, 20523), (629, 20553), (644, 20586), (647, 20589), (670, 20649), (678, 20673), (682, 20682), (715, 20751), (761, 20856), (762, 20859), (769, 20886), (860, 21069), (968, 21324), (993, 21414), (994, 21417), (996, 21420),

Gene: Auspice_28 Start: 22341, Stop: 24104, Start Num: 128
Candidate Starts for Auspice_28:
(69, 22146), (Start: 119 @22326 has 3 MA's), (Start: 128 @22341 has 2 MA's), (Start: 161 @22368 has 14 MA's), (Start: 176 @22383 has 45 MA's), (201, 22422), (223, 22452), (Start: 227 @22458 has 45 MA's), (237, 22470), (291, 22575), (295, 22590), (323, 22629), (389, 22752), (395, 22761), (445, 22857), (471, 22899), (473, 22902), (562, 23079), (610, 23190), (636, 23217), (669, 23289), (670, 23298), (671, 23301), (675, 23313), (730, 23433), (731, 23436), (746, 23478), (761, 23508), (764, 23514), (824, 23634), (826, 23640), (969, 23994), (977, 24021), (983, 24039), (985, 24048),

Gene: AvadaKedavra_18 Start: 16746, Stop: 18515, Start Num: 136
Candidate Starts for AvadaKedavra_18:
(Start: 103 @16683 has 1 MA's), (Start: 111 @16704 has 74 MA's), (Start: 119 @16719 has 3 MA's), (Start: 136 @16746 has 48 MA's), (207, 16839), (241, 16887), (246, 16893), (265, 16920), (266, 16923), (269, 16929), (295, 17001), (298, 17010), (318, 17034), (327, 17049), (342, 17079), (414, 17205), (417, 17214), (427, 17235), (435, 17250), (475, 17319), (488, 17355), (501, 17376), (542, 17445), (562, 17484), (636, 17622), (644, 17634), (674, 17709), (676, 17715), (683, 17733), (695, 17772), (712, 17805), (716, 17814), (724, 17823), (730, 17832), (731, 17835), (774, 17955), (785, 17991), (826, 18039), (830, 18051), (858, 18105), (888, 18201), (893, 18219), (895, 18225), (896, 18228), (912, 18261), (919, 18285), (951, 18348), (965, 18390), (977, 18429), (983, 18447), (989, 18468), (994, 18489),

Gene: Avani_19 Start: 13744, Stop: 15408, Start Num: 159
Candidate Starts for Avani_19:
(Start: 159 @13744 has 217 MA's), (221, 13825), (241, 13855), (256, 13876), (Start: 260 @13888 has 1 MA's), (289, 13954), (327, 13993), (333, 14005), (342, 14029), (374, 14086), (377, 14089), (391, 14113), (395, 14119), (397, 14122), (421, 14167), (430, 14185), (449, 14221), (508, 14332), (536, 14368), (543, 14395), (548, 14407), (550, 14410), (567, 14452), (571, 14464), (579, 14488), (622, 14542), (674, 14641), (714, 14734), (731, 14761), (735, 14773), (764, 14824), (767, 14839), (801, 14893), (819, 14920), (879, 15082), (880, 15085), (881, 15088), (925, 15205), (945, 15247), (976, 15331), (990, 15376), (994, 15394),

Gene: AvatarAhPeg_28 Start: 20105, Stop: 21904, Start Num: 156
Candidate Starts for AvatarAhPeg_28:
(Start: 136 @20081 has 48 MA's), (Start: 156 @20105 has 559 MA's), (Start: 162 @20111 has 5 MA's), (Start: 204 @20165 has 1 MA's), (254, 20234), (286, 20312), (Start: 303 @20336 has 11 MA's), (323, 20348), (325, 20351), (367, 20426), (376, 20441), (402, 20480), (449, 20573), (465, 20597), (508, 20684), (567, 20798), (615, 20924), (644, 20969), (674, 21038), (683, 21062), (687, 21074), (731, 21161), (767, 21254), (775, 21287), (777, 21293), (782, 21308), (820, 21386), (821, 21389), (828, 21410), (899, 21635), (933, 21713), (934, 21716), (943, 21740), (945, 21746), (992, 21881), (1000, 21899),

Gene: Avle17_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Avle17_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Avocado_18 Start: 16914, Stop: 18653, Start Num: 194
Candidate Starts for Avocado_18:
(Start: 171 @16905 has 28 MA's), (Start: 194 @16914 has 44 MA's), (217, 16944), (256, 17007), (257, 17010), (264, 17028), (277, 17061), (294, 17109), (295, 17112), (367, 17268), (376, 17283), (425, 17373), (449, 17415), (488, 17493), (536, 17589), (541, 17607), (551, 17631), (557, 17637), (571, 17676), (587, 17712), (607, 17757), (647, 17802), (683, 17898), (686, 17907), (718, 17964), (751, 18042), (762, 18069), (771, 18105), (805, 18159), (831, 18222), (840, 18252), (885, 18357), (893, 18381), (911, 18420), (942, 18471), (994, 18627), (996, 18630),

Gene: Avrafan_18 Start: 16649, Stop: 18403, Start Num: 194

Candidate Starts for Avrafan_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Awesomesauce_17 Start: 14672, Stop: 16381, Start Num: 142
Candidate Starts for Awesomesauce_17:
(Start: 142 @14672 has 207 MA's), (215, 14759), (Start: 249 @14804 has 2 MA's), (258, 14828), (299, 14933), (301, 14939), (309, 14957), (320, 14966), (332, 14987), (390, 15092), (422, 15152), (425, 15161), (434, 15173), (437, 15182), (450, 15206), (473, 15242), (475, 15248), (482, 15260), (535, 15281), (536, 15284), (539, 15293), (544, 15308), (546, 15314), (558, 15332), (564, 15347), (566, 15353), (572, 15371), (573, 15374), (580, 15389), (589, 15404), (591, 15410), (605, 15458), (611, 15470), (614, 15476), (648, 15536), (653, 15548), (658, 15557), (666, 15584), (670, 15596), (677, 15617), (700, 15671), (704, 15680), (715, 15704), (730, 15734), (806, 15839), (812, 15851), (825, 15887), (847, 15965), (878, 16064), (885, 16085), (896, 16118), (911, 16148), (919, 16178), (922, 16184), (924, 16187), (928, 16193), (944, 16208), (945, 16211), (953, 16232), (973, 16277), (992, 16349), (993, 16355),

Gene: Axym_18 Start: 15732, Stop: 17429, Start Num: 151
Candidate Starts for Axym_18:
(Start: 141 @15729 has 37 MA's), (Start: 151 @15732 has 50 MA's), (287, 15942), (367, 16065), (400, 16116), (445, 16203), (449, 16212), (462, 16233), (473, 16248), (477, 16260), (525, 16338), (530, 16350), (541, 16377), (553, 16410), (567, 16443), (571, 16455), (590, 16497), (666, 16620), (691, 16692), (731, 16770), (736, 16785), (744, 16803), (767, 16860), (821, 16953), (832, 16989), (835, 17001), (837, 17007), (841, 17019), (853, 17028), (878, 17100), (879, 17103), (881, 17109), (885, 17121), (909, 17181), (925, 17226), (931, 17235), (945, 17268), (973, 17334),

Gene: Ayotoya_22 Start: 18130, Stop: 19836, Start Num: 222
Candidate Starts for Ayotoya_22:
(Start: 164 @18055 has 1 MA's), (Start: 222 @18130 has 16 MA's), (272, 18223), (277, 18238), (280, 18244), (309, 18319), (343, 18391), (397, 18502), (421, 18547), (430, 18565), (436, 18577), (534, 18748), (537, 18757), (539, 18763), (576, 18859), (599, 18910), (674, 19033), (688, 19072), (747, 19204), (784, 19318), (831, 19405), (878, 19519), (881, 19528), (925, 19633), (969, 19720), (1004, 19828),

Gene: Azira_20 Start: 16710, Stop: 18404, Start Num: 151
Candidate Starts for Azira_20:
(43, 16299), (49, 16335), (57, 16386), (Start: 151 @16710 has 50 MA's), (Start: 167 @16722 has 22 MA's), (333, 16974), (341, 16995), (342, 16998), (367, 17043), (377, 17058), (421, 17136), (445, 17181), (495, 17283), (525, 17316), (530, 17328), (534, 17331), (553, 17388), (567, 17421), (572, 17436), (598, 17502), (637, 17544), (644, 17553), (666, 17598), (688, 17661), (730, 17742), (736, 17760), (740, 17769), (744, 17778), (767, 17835), (769, 17844), (835, 17976), (853, 18003), (862, 18024), (878, 18075), (879, 18078), (914, 18174), (925, 18201), (931, 18210), (933, 18213), (945, 18243), (951, 18261), (972, 18306), (998, 18396),

Gene: Aziz_32 Start: 22957, Stop: 24696, Start Num: 161
Candidate Starts for Aziz_32:
(Start: 119 @22915 has 3 MA's), (Start: 128 @22930 has 2 MA's), (Start: 161 @22957 has 14 MA's), (Start: 219 @23035 has 2 MA's), (223, 23041), (237, 23059), (323, 23221), (327, 23230), (338, 23245), (382, 23332), (389, 23344), (395, 23353), (445, 23449), (451, 23461), (471, 23491), (473, 23494),

(484, 23527), (552, 23656), (562, 23671), (567, 23689), (669, 23881), (670, 23890), (674, 23902), (676, 23908), (716, 24007), (724, 24016), (730, 24025), (758, 24094), (782, 24172), (808, 24187), (824, 24226), (826, 24232), (969, 24586), (977, 24613), (979, 24619),

Gene: Azrael100_39 Start: 25297, Stop: 27681, Start Num: 20
Candidate Starts for Azrael100_39:
(Start: 20 @25297 has 5 MA's), (31, 25414), (35, 25435), (36, 25438), (39, 25468), (41, 25474), (44, 25483), (59, 25573), (63, 25609), (65, 25627), (68, 25654), (69, 25666), (71, 25675), (79, 25738), (88, 25774), (102, 25810), (Start: 103 @25813 has 1 MA's), (105, 25819), (Start: 147 @25891 has 120 MA's), (173, 25921), (221, 25990), (223, 25993), (265, 26080), (273, 26098), (274, 26101), (295, 26161), (323, 26200), (343, 26242), (346, 26251), (348, 26257), (359, 26272), (366, 26287), (395, 26335), (445, 26431), (471, 26473), (473, 26476), (562, 26653), (567, 26671), (572, 26686), (575, 26701), (588, 26722), (600, 26755), (610, 26764), (635, 26794), (657, 26833), (670, 26875), (674, 26887), (675, 26890), (695, 26950), (730, 27010), (746, 27055), (764, 27091), (782, 27157), (824, 27211), (826, 27217), (858, 27283), (915, 27454), (929, 27478), (977, 27598), (984, 27619), (986, 27628), (998, 27664),

Gene: Azula_21 Start: 16962, Stop: 18611, Start Num: 227
Candidate Starts for Azula_21:
(203, 16926), (Start: 227 @16962 has 45 MA's), (236, 16971), (283, 17067), (318, 17145), (360, 17217), (374, 17244), (396, 17283), (435, 17364), (468, 17418), (591, 17604), (600, 17634), (645, 17733), (677, 17817), (686, 17841), (700, 17892), (739, 17985), (744, 17997), (765, 18042), (799, 18057), (843, 18189), (844, 18192), (875, 18291), (881, 18309), (899, 18360), (921, 18420), (925, 18426), (968, 18501),

Gene: AzulaCat_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for AzulaCat_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: B1_25 Start: 19592, Stop: 21391, Start Num: 156
Candidate Starts for B1_25:
(Start: 156 @19592 has 559 MA's), (Start: 204 @19652 has 1 MA's), (254, 19721), (Start: 303 @19823 has 11 MA's), (323, 19835), (325, 19838), (367, 19913), (376, 19928), (379, 19931), (402, 19967), (475, 20102), (508, 20171), (567, 20285), (615, 20411), (674, 20525), (675, 20528), (683, 20549), (689, 20567), (731, 20648), (762, 20723), (767, 20741), (769, 20750), (775, 20774), (777, 20780), (782, 20795), (790, 20819), (800, 20828), (820, 20873), (821, 20876), (828, 20897), (831, 20909), (899, 21122), (911, 21146), (943, 21227), (945, 21233), (992, 21368),

Gene: BABullseye_31 Start: 20049, Stop: 21821, Start Num: 156
Candidate Starts for BABullseye_31:
(Start: 156 @20049 has 559 MA's), (286, 20247), (325, 20286), (366, 20358), (367, 20361), (379, 20379), (402, 20415), (406, 20421), (465, 20532), (469, 20538), (484, 20577), (508, 20619), (536, 20658), (550, 20700), (556, 20703), (575, 20763), (684, 21000), (689, 21015), (731, 21096), (777, 21228), (835, 21354), (852, 21405), (855, 21414), (866, 21453), (867, 21456), (869, 21468), (899, 21552), (943, 21657), (945, 21663), (992, 21798),

Gene: BAKA_34 Start: 27001, Stop: 28999, Start Num: 141
Candidate Starts for BAKA_34:

(Start: 141 @27001 has 37 MA's), (Start: 212 @27091 has 47 MA's), (245, 27139), (258, 27169), (317, 27298), (334, 27328), (385, 27427), (407, 27463), (420, 27490), (457, 27562), (464, 27571), (475, 27592), (546, 27661), (566, 27700), (567, 27703), (572, 27718), (591, 27757), (605, 27805), (611, 27817), (614, 27823), (630, 27871), (635, 27880), (650, 27901), (658, 27919), (673, 27967), (713, 28069), (746, 28141), (766, 28186), (768, 28198), (795, 28333), (796, 28339), (797, 28363), (798, 28435), (804, 28462), (886, 28711),

Gene: BBQValindra_19 Start: 16628, Stop: 18358, Start Num: 151
Candidate Starts for BBQValindra_19:
(16, 16001), (19, 16034), (34, 16169), (51, 16271), (55, 16292), (59, 16313), (85, 16508), (122, 16592), (Start: 151 @16628 has 50 MA's), (333, 16898), (484, 17183), (506, 17225), (535, 17261), (543, 17291), (553, 17315), (570, 17357), (579, 17384), (619, 17441), (622, 17447), (670, 17534), (791, 17828), (825, 17894), (832, 17918), (837, 17936), (879, 18032), (885, 18050), (949, 18209), (981, 18296), (989, 18323),

Gene: BEEST_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for BEEST_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: BENtherdunthat_20 Start: 16428, Stop: 18125, Start Num: 156
Candidate Starts for BENtherdunthat_20:
(122, 16389), (Start: 156 @16428 has 559 MA's), (Start: 169 @16440 has 3 MA's), (223, 16518), (238, 16539), (266, 16587), (271, 16596), (286, 16638), (323, 16674), (346, 16731), (362, 16752), (377, 16779), (393, 16806), (473, 16947), (495, 17004), (522, 17031), (525, 17037), (543, 17085), (557, 17115), (570, 17151), (579, 17178), (581, 17181), (602, 17232), (636, 17259), (637, 17262), (654, 17289), (666, 17316), (691, 17388), (710, 17427), (743, 17481), (761, 17523), (783, 17598), (824, 17661), (832, 17688), (837, 17706), (875, 17790), (878, 17799), (879, 17802), (881, 17808), (887, 17823), (897, 17853), (900, 17859), (909, 17880), (911, 17883), (933, 17937), (945, 17967), (948, 17976), (970, 18027), (980, 18060), (984, 18072), (989, 18090),

Gene: BGlluviae_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for BGlluviae_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: BK1_25 Start: 20661, Stop: 22463, Start Num: 159
Candidate Starts for BK1_25:
(Start: 159 @20661 has 217 MA's), (Start: 176 @20682 has 45 MA's), (Start: 204 @20724 has 1 MA's), (237, 20769), (367, 20985), (395, 21030), (402, 21039), (421, 21078), (448, 21129), (449, 21132), (556, 21327), (581, 21396), (670, 21585), (674, 21597), (675, 21600), (683, 21621), (730, 21717), (731, 21720), (733, 21726), (762, 21795), (767, 21813), (769, 21822), (777, 21852), (821, 21948), (831, 21981), (835, 21996), (879, 22137), (899, 22194), (945, 22305),

Gene: BPBiebs31_28 Start: 21364, Stop: 23166, Start Num: 159

Candidate Starts for BPBiebs31_28:
(Start: 159 @21364 has 217 MA's), (Start: 176 @21385 has 45 MA's), (Start: 204 @21427 has 1 MA's), (237, 21472), (367, 21688), (395, 21733), (402, 21742), (421, 21781), (448, 21832), (449, 21835), (495, 21928), (556, 22030), (581, 22099), (674, 22300), (675, 22303), (683, 22324), (730, 22420), (731, 22423), (733, 22429), (762, 22498), (767, 22516), (769, 22525), (777, 22555), (821, 22651), (831, 22684), (835, 22699), (879, 22840), (899, 22897), (945, 23008),

Gene: BPs_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for BPs_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: BQuat_18 Start: 16631, Stop: 18394, Start Num: 171
Candidate Starts for BQuat_18:
(Start: 171 @16631 has 28 MA's), (Start: 194 @16640 has 44 MA's), (Start: 196 @16646 has 2 MA's), (201, 16652), (277, 16784), (295, 16835), (311, 16865), (325, 16889), (367, 16991), (391, 17030), (395, 17036), (406, 17051), (425, 17096), (488, 17216), (513, 17273), (536, 17312), (557, 17360), (567, 17387), (571, 17399), (607, 17480), (647, 17525), (731, 17723), (743, 17753), (751, 17771), (762, 17798), (785, 17882), (805, 17900), (818, 17915), (831, 17963), (835, 17978), (867, 18041), (885, 18098), (899, 18137), (915, 18179), (948, 18230), (983, 18326), (1004, 18386),

Gene: BabeRuth_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for BabeRuth_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: BaboJay_23 Start: 19296, Stop: 20975, Start Num: 147
Candidate Starts for BaboJay_23:
(Start: 147 @19296 has 120 MA's), (Start: 212 @19380 has 47 MA's), (Start: 260 @19458 has 1 MA's), (296, 19545), (301, 19560), (332, 19608), (349, 19647), (405, 19734), (420, 19767), (437, 19803), (454, 19833), (457, 19839), (538, 19908), (561, 19938), (565, 19950), (566, 19953), (591, 20010), (650, 20142), (651, 20148), (675, 20214), (677, 20220), (686, 20244), (704, 20292), (715, 20316), (721, 20325), (754, 20400), (810, 20451), (819, 20466), (867, 20628), (875, 20655), (885, 20685), (926, 20790), (971, 20868), (980, 20904), (983, 20913), (992, 20946), (998, 20961),

Gene: Babsiella_19 Start: 16430, Stop: 18163, Start Num: 152
Candidate Starts for Babsiella_19:
(Start: 152 @16430 has 6 MA's), (229, 16529), (236, 16538), (269, 16604), (278, 16628), (300, 16688), (301, 16691), (320, 16718), (419, 16898), (432, 16922), (437, 16934), (450, 16958), (558, 17084), (564, 17099), (567, 17108), (582, 17144), (591, 17162), (611, 17222), (693, 17414), (700, 17423), (704, 17432), (715, 17456), (810, 17600), (827, 17645), (858, 17747), (860, 17756), (865, 17774), (866, 17777), (919, 17936), (930, 17954), (944, 17990), (948, 18005), (971, 18053), (990, 18122),

Gene: Baby16_27 Start: 19836, Stop: 21614, Start Num: 156
Candidate Starts for Baby16_27:
(Start: 136 @19812 has 48 MA's), (Start: 156 @19836 has 559 MA's), (Start: 204 @19893 has 1 MA's), (241, 19947), (254, 19962), (Start: 260 @19980 has 1 MA's), (Start: 303 @20064 has 11 MA's), (323, 20076), (325, 20079), (367, 20154), (376, 20169), (402, 20208), (465, 20325), (508, 20412), (550, 20493), (572, 20541), (581, 20565), (615, 20652), (644, 20697), (675, 20769), (683, 20790), (689, 20808), (731, 20889), (767, 20982), (769, 20991), (775, 21015), (777, 21021), (784, 21045), (821, 21099), (828, 21120), (842, 21171), (850, 21195), (867, 21249), (899, 21345), (943, 21450), (948, 21465), (987, 21573), (992, 21591),

Gene: BabyBack_30 Start: 21767, Stop: 23563, Start Num: 136
Candidate Starts for BabyBack_30:
(Start: 136 @21767 has 48 MA's), (Start: 156 @21791 has 559 MA's), (323, 22025), (325, 22028), (367, 22103), (379, 22121), (406, 22163), (465, 22274), (484, 22319), (508, 22361), (550, 22442), (556, 22445), (615, 22601), (635, 22631), (674, 22715), (675, 22718), (731, 22838), (775, 22964), (777, 22970), (808, 23018), (825, 23060), (828, 23069), (835, 23096), (842, 23120), (845, 23132), (866, 23195), (867, 23198), (869, 23210), (899, 23294), (943, 23399), (945, 23405), (951, 23423), (968, 23459), (992, 23540),

Gene: BabyJohn_26 Start: 20176, Stop: 21975, Start Num: 156
Candidate Starts for BabyJohn_26:
(Start: 156 @20176 has 559 MA's), (Start: 204 @20236 has 1 MA's), (254, 20305), (Start: 303 @20407 has 11 MA's), (323, 20419), (325, 20422), (367, 20497), (376, 20512), (379, 20515), (402, 20551), (475, 20686), (508, 20755), (567, 20869), (615, 20995), (674, 21109), (675, 21112), (683, 21133), (689, 21151), (731, 21232), (762, 21307), (767, 21325), (769, 21334), (775, 21358), (777, 21364), (782, 21379), (800, 21412), (820, 21457), (821, 21460), (828, 21481), (831, 21493), (899, 21706), (911, 21730), (943, 21811), (945, 21817), (985, 21928), (992, 21952),

Gene: BabyMoney_21 Start: 17999, Stop: 19657, Start Num: 219
Candidate Starts for BabyMoney_21:
(97, 17810), (124, 17870), (Start: 194 @17963 has 44 MA's), (Start: 219 @17999 has 2 MA's), (Start: 225 @18011 has 3 MA's), (277, 18125), (280, 18131), (297, 18179), (309, 18209), (345, 18275), (347, 18281), (411, 18392), (415, 18401), (428, 18428), (434, 18437), (444, 18458), (565, 18629), (566, 18632), (592, 18698), (597, 18713), (626, 18797), (636, 18806), (661, 18848), (666, 18869), (683, 18917), (687, 18929), (695, 18956), (726, 19025), (759, 19094), (806, 19127), (828, 19184), (843, 19235), (864, 19304), (893, 19391), (899, 19406), (920, 19463), (926, 19472), (969, 19550), (972, 19556),

Gene: BabyRay_27 Start: 20152, Stop: 21951, Start Num: 156
Candidate Starts for BabyRay_27:
(Start: 156 @20152 has 559 MA's), (Start: 204 @20212 has 1 MA's), (254, 20281), (Start: 303 @20383 has 11 MA's), (323, 20395), (325, 20398), (367, 20473), (376, 20488), (379, 20491), (402, 20527), (475, 20662), (508, 20731), (567, 20845), (615, 20971), (674, 21085), (675, 21088), (683, 21109), (689, 21127), (731, 21208), (762, 21283), (767, 21301), (769, 21310), (775, 21334), (777, 21340), (782, 21355), (800, 21388), (820, 21433), (821, 21436), (828, 21457), (831, 21469), (899, 21682), (911, 21706), (943, 21787), (945, 21793), (971, 21853), (992, 21928),

Gene: Bachita_50 Start: 30042, Stop: 31733, Start Num: 165
Candidate Starts for Bachita_50:
(Start: 165 @30042 has 14 MA's), (207, 30102), (229, 30135), (250, 30168), (299, 30294), (317, 30327), (322, 30336), (392, 30465), (418, 30513), (591, 30726), (592, 30732), (600, 30756), (661, 30885), (666, 30906), (677, 30939), (754, 31137), (844, 31290), (875, 31389), (879, 31401), (882, 31410), (913, 31494), (981, 31641), (991, 31677), (994, 31689),

Gene: Bachome_28 Start: 20746, Stop: 22545, Start Num: 156
Candidate Starts for Bachome_28:
(110, 20680), (Start: 136 @20722 has 48 MA's), (Start: 156 @20746 has 559 MA's), (Start: 196 @20788 has 2 MA's), (Start: 260 @20884 has 1 MA's), (269, 20899), (323, 20980), (325, 20983), (367, 21058), (376, 21073), (402, 21112), (406, 21118), (465, 21229), (469, 21235), (508, 21316), (556, 21400), (603, 21526), (617, 21562), (689, 21712), (723, 21778), (730, 21790), (731, 21793), (800, 21982), (813, 22009), (824, 22039), (825, 22042), (831, 22063), (835, 22078), (842, 22102), (866, 22177), (869, 22192), (899, 22276), (943, 22381), (945, 22387), (968, 22441), (1000, 22540),

Gene: BackstagePass_19 Start: 16768, Stop: 18498, Start Num: 151
Candidate Starts for BackstagePass_19:
(85, 16648), (122, 16732), (Start: 151 @16768 has 50 MA's), (241, 16888), (Start: 303 @17005 has 11 MA's), (333, 17038), (377, 17122), (484, 17323), (506, 17365), (535, 17401), (543, 17431), (553, 17455), (570, 17497), (579, 17524), (619, 17581), (622, 17587), (670, 17674), (791, 17968), (825, 18034), (832, 18058), (837, 18076), (879, 18172), (885, 18190), (949, 18349), (981, 18436), (989, 18463),

Gene: Backyardigan_27 Start: 19835, Stop: 21634, Start Num: 156
Candidate Starts for Backyardigan_27:
(Start: 136 @19811 has 48 MA's), (Start: 156 @19835 has 559 MA's), (Start: 162 @19841 has 5 MA's), (Start: 204 @19895 has 1 MA's), (254, 19964), (286, 20042), (Start: 303 @20066 has 11 MA's), (325, 20081), (344, 20117), (367, 20156), (376, 20171), (402, 20210), (449, 20303), (465, 20327), (508, 20414), (567, 20528), (581, 20567), (615, 20654), (644, 20699), (674, 20768), (683, 20792), (687, 20804), (731, 20891), (762, 20966), (767, 20984), (769, 20993), (775, 21017), (777, 21023), (782, 21038), (800, 21071), (820, 21116), (821, 21119), (828, 21140), (899, 21365), (933, 21443), (943, 21470), (945, 21476), (992, 21611),

Gene: BaconJack_29 Start: 21344, Stop: 23146, Start Num: 159
Candidate Starts for BaconJack_29:
(Start: 159 @21344 has 217 MA's), (Start: 176 @21365 has 45 MA's), (Start: 204 @21407 has 1 MA's), (237, 21452), (367, 21668), (395, 21713), (402, 21722), (421, 21761), (448, 21812), (449, 21815), (556, 22010), (581, 22079), (674, 22280), (675, 22283), (683, 22304), (730, 22400), (731, 22403), (733, 22409), (762, 22478), (767, 22496), (769, 22505), (777, 22535), (821, 22631), (831, 22664), (835, 22679), (879, 22820), (899, 22877), (945, 22988),

Gene: Bactobuster_29 Start: 21784, Stop: 23556, Start Num: 156
Candidate Starts for Bactobuster_29:
(Start: 136 @21760 has 48 MA's), (Start: 156 @21784 has 559 MA's), (259, 21919), (269, 21937), (323, 22018), (325, 22021), (366, 22093), (367, 22096), (430, 22207), (445, 22234), (465, 22267), (484, 22312), (508, 22354), (556, 22438), (615, 22594), (636, 22627), (723, 22816), (731, 22831), (775, 22957), (777, 22963), (831, 23074), (835, 23089), (837, 23095), (842, 23113), (855, 23149), (866, 23188), (869, 23203), (943, 23392), (945, 23398), (951, 23416), (964, 23443),

Gene: BadStone_23 Start: 19745, Stop: 21424, Start Num: 147
Candidate Starts for BadStone_23:
(Start: 147 @19745 has 120 MA's), (Start: 212 @19829 has 47 MA's), (Start: 260 @19907 has 1 MA's), (296, 19994), (301, 20009), (332, 20057), (349, 20096), (405, 20183), (420, 20216), (437, 20252), (454, 20282), (457, 20288), (538, 20357), (561, 20387), (565, 20399), (566, 20402), (591, 20459), (650, 20591), (651, 20597), (675, 20663), (677, 20669), (686, 20693), (704, 20741), (715, 20765), (721, 20774), (754, 20849), (810, 20900), (819, 20915), (867, 21077), (875, 21104), (885, 21134), (926, 21239), (971, 21317), (980, 21353), (983, 21362), (992, 21395), (998, 21410),

Gene: Baddon_34 Start: 30732, Stop: 32495, Start Num: 111
Candidate Starts for Baddon_34:
(Start: 111 @30732 has 74 MA's), (Start: 131 @30768 has 1 MA's), (232, 30897), (238, 30906), (285, 31002), (289, 31011), (340, 31080), (367, 31131), (372, 31140), (395, 31176), (406, 31191), (414, 31209), (448, 31272), (475, 31317), (478, 31326), (543, 31446), (550, 31461), (562, 31485), (571, 31515), (689, 31737), (695, 31755), (699, 31770), (730, 31812), (731, 31815), (740, 31842), (785, 31962), (824, 32025), (879, 32166), (880, 32169), (896, 32217), (909, 32244), (917, 32271), (943, 32325), (952, 32352),

Gene: Badger_27 Start: 19824, Stop: 21623, Start Num: 156
Candidate Starts for Badger_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 162 @19830 has 5 MA's), (Start: 204 @19884 has 1 MA's), (254, 19953), (286, 20031), (Start: 303 @20055 has 11 MA's), (325, 20070), (344, 20106), (367, 20145), (376, 20160), (402, 20199), (449, 20292), (465, 20316), (508, 20403), (567, 20517), (581, 20556), (615, 20643), (644, 20688), (674, 20757), (683, 20781), (687, 20793), (731, 20880), (762, 20955), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (782, 21027), (800, 21060), (820, 21105), (821, 21108), (828, 21129), (899, 21354), (933, 21432), (943, 21459), (945, 21465), (992, 21600),

Gene: Baehexic_29 Start: 20675, Stop: 22447, Start Num: 156
Candidate Starts for Baehexic_29:
(Start: 136 @20651 has 48 MA's), (Start: 156 @20675 has 559 MA's), (259, 20810), (323, 20909), (325, 20912), (366, 20984), (367, 20987), (402, 21041), (406, 21047), (436, 21110), (465, 21158), (508, 21245), (550, 21326), (556, 21329), (567, 21359), (615, 21485), (635, 21515), (675, 21602), (731, 21722), (774, 21845), (775, 21848), (777, 21854), (808, 21902), (831, 21965), (835, 21980), (837, 21986), (855, 22040), (866, 22079), (869, 22094), (881, 22127), (896, 22172), (943, 22283), (945, 22289), (968, 22343),

Gene: BaghaKamala_23 Start: 17117, Stop: 18883, Start Num: 178
Candidate Starts for BaghaKamala_23:
(Start: 178 @17117 has 139 MA's), (198, 17147), (284, 17306), (295, 17339), (311, 17369), (329, 17402), (335, 17414), (371, 17504), (400, 17546), (436, 17618), (441, 17627), (465, 17666), (484, 17711), (491, 17732), (492, 17735), (527, 17789), (536, 17807), (551, 17849), (557, 17855), (567, 17882), (647, 18020), (656, 18038), (670, 18080), (676, 18098), (688, 18128), (702, 18155), (751, 18260), (821, 18419), (832, 18455), (841, 18485), (853, 18494), (879, 18569), (896, 18620), (983, 18815), (993, 18854), (994, 18857), (1004, 18875),

Gene: Bakery_32 Start: 25768, Stop: 27534, Start Num: 111
Candidate Starts for Bakery_32:
(93, 25726), (104, 25756), (Start: 111 @25768 has 74 MA's), (Start: 131 @25804 has 1 MA's), (Start: 151 @25828 has 50 MA's), (Start: 159 @25837 has 217 MA's), (266, 25993), (268, 25996), (287, 26047), (289, 26050), (323, 26080), (340, 26119), (367, 26170), (372, 26179), (393, 26212), (478, 26365), (495, 26404), (535, 26455), (539, 26467), (543, 26485), (548, 26497), (553, 26509), (562, 26524), (571, 26554), (572, 26557), (579, 26578), (663, 26698), (699, 26809), (724, 26842), (743, 26884), (769, 26956), (803, 27022), (879, 27205), (880, 27208), (896, 27256), (909, 27283), (917, 27310), (943, 27364), (984, 27481), (990, 27502), (1000, 27529),

Gene: Balomoji_23 Start: 19479, Stop: 21158, Start Num: 147
Candidate Starts for Balomoji_23:
(Start: 147 @19479 has 120 MA's), (Start: 212 @19563 has 47 MA's), (Start: 260 @19641 has 1 MA's), (296, 19728), (301, 19743), (332, 19791), (349, 19830), (405, 19917), (420, 19950), (437, 19986), (454, 20016), (457, 20022), (538, 20091), (561, 20121), (565, 20133), (566, 20136), (591, 20193), (650, 20325), (651, 20331), (675, 20397), (677, 20403), (686, 20427), (704, 20475), (715,

20499), (721, 20508), (754, 20583), (810, 20634), (819, 20649), (867, 20811), (875, 20838), (885, 20868), (926, 20973), (971, 21051), (980, 21087), (983, 21096), (992, 21129), (998, 21144),

Gene: BangNhom_27 Start: 20138, Stop: 21919, Start Num: 156
Candidate Starts for BangNhom_27:
(Start: 136 @20114 has 48 MA's), (Start: 156 @20138 has 559 MA's), (Start: 162 @20144 has 5 MA's), (Start: 204 @20198 has 1 MA's), (215, 20213), (254, 20267), (Start: 260 @20285 has 1 MA's), (Start: 303 @20369 has 11 MA's), (323, 20381), (325, 20384), (367, 20459), (376, 20474), (402, 20513), (465, 20630), (508, 20717), (550, 20798), (572, 20846), (581, 20870), (615, 20957), (644, 21002), (675, 21074), (683, 21095), (689, 21113), (731, 21194), (762, 21269), (767, 21287), (769, 21296), (775, 21320), (777, 21326), (784, 21350), (819, 21392), (821, 21404), (828, 21425), (842, 21476), (850, 21500), (867, 21554), (899, 21650), (943, 21755), (948, 21770), (987, 21878), (992, 21896),

Gene: Banquo_26 Start: 17827, Stop: 19155, Start Num: 303
Candidate Starts for Banquo_26:
(Start: 303 @17827 has 11 MA's), (316, 17845), (375, 17953), (425, 18043), (445, 18076), (477, 18133), (483, 18151), (486, 18160), (493, 18181), (496, 18190), (514, 18223), (533, 18256), (609, 18319), (639, 18349), (646, 18358), (660, 18367), (663, 18376), (719, 18496), (730, 18523), (747, 18568), (761, 18598), (769, 18628), (821, 18700), (831, 18733), (833, 18739), (906, 18910), (933, 18961), (968, 19045), (972, 19054), (975, 19072), (999, 19144),

Gene: Bantam_30 Start: 27105, Stop: 28868, Start Num: 167
Candidate Starts for Bantam_30:
(91, 26973), (Start: 167 @27105 has 22 MA's), (207, 27162), (287, 27315), (320, 27390), (392, 27522), (418, 27570), (463, 27654), (566, 27816), (567, 27819), (586, 27861), (591, 27873), (592, 27879), (614, 27939), (616, 27945), (670, 28065), (682, 28098), (697, 28146), (754, 28272), (819, 28338), (875, 28524), (879, 28536), (909, 28614), (932, 28668), (1005, 28860),

Gene: Baoshan_17 Start: 16814, Stop: 18547, Start Num: 175
Candidate Starts for Baoshan_17:
(Start: 175 @16814 has 56 MA's), (223, 16883), (295, 17024), (296, 17027), (318, 17057), (327, 17072), (343, 17105), (366, 17150), (400, 17204), (414, 17231), (419, 17243), (445, 17294), (448, 17300), (469, 17333), (546, 17486), (562, 17510), (564, 17519), (579, 17564), (601, 17615), (668, 17720), (686, 17777), (712, 17840), (746, 17912), (764, 17948), (819, 18047), (824, 18068), (826, 18074), (830, 18086), (860, 18149), (888, 18236), (896, 18263), (912, 18296), (935, 18347), (943, 18359), (951, 18383), (977, 18461), (983, 18479),

Gene: Barb_33 Start: 26575, Stop: 28341, Start Num: 111
Candidate Starts for Barb_33:
(93, 26533), (Start: 111 @26575 has 74 MA's), (Start: 131 @26611 has 1 MA's), (Start: 159 @26644 has 217 MA's), (287, 26854), (289, 26857), (323, 26887), (351, 26953), (367, 26977), (372, 26986), (393, 27019), (478, 27172), (495, 27211), (535, 27262), (539, 27274), (543, 27292), (548, 27304), (553, 27316), (562, 27331), (571, 27361), (572, 27364), (579, 27385), (636, 27457), (663, 27505), (699, 27616), (724, 27649), (743, 27691), (769, 27763), (803, 27829), (809, 27841), (879, 28012), (880, 28015), (896, 28063), (909, 28090), (917, 28117), (943, 28171), (984, 28288), (990, 28309), (1000, 28336),

Gene: Barbarian_23 Start: 18698, Stop: 20293, Start Num: 212
Candidate Starts for Barbarian_23:
(Start: 147 @18614 has 120 MA's), (Start: 212 @18698 has 47 MA's), (Start: 260 @18776 has 1 MA's), (296, 18863), (301, 18878), (332, 18926), (349, 18965), (405, 19052), (409, 19064), (420, 19085), (437, 19121), (454, 19151), (457, 19157), (538, 19226), (561, 19256), (565, 19268), (566,

19271), (591, 19328), (650, 19460), (651, 19466), (675, 19532), (677, 19538), (686, 19562), (704, 19610), (715, 19634), (721, 19643), (754, 19718), (810, 19769), (819, 19784), (867, 19946), (875, 19973), (885, 20003), (926, 20108), (971, 20186), (980, 20222), (983, 20231), (992, 20264), (998, 20279),

Gene: Barco_19 Start: 16650, Stop: 18296, Start Num: 227
Candidate Starts for Barco_19:
(203, 16614), (Start: 227 @16650 has 45 MA's), (283, 16752), (318, 16830), (321, 16833), (374, 16929), (396, 16968), (435, 17049), (468, 17103), (475, 17118), (591, 17289), (600, 17319), (677, 17502), (686, 17526), (687, 17529), (700, 17577), (739, 17670), (744, 17682), (765, 17727), (799, 17742), (843, 17874), (844, 17877), (875, 17976), (881, 17994), (899, 18045), (925, 18111), (963, 18174), (968, 18186),

Gene: Barkley26_18 Start: 16652, Stop: 18406, Start Num: 194
Candidate Starts for Barkley26_18:
(78, 16439), (Start: 171 @16643 has 28 MA's), (Start: 194 @16652 has 44 MA's), (Start: 196 @16658 has 2 MA's), (201, 16664), (256, 16742), (277, 16796), (295, 16847), (311, 16877), (325, 16901), (335, 16922), (367, 17003), (391, 17042), (395, 17048), (406, 17063), (425, 17108), (488, 17228), (513, 17285), (536, 17324), (551, 17366), (557, 17372), (567, 17399), (571, 17411), (607, 17492), (647, 17537), (666, 17585), (731, 17735), (743, 17765), (751, 17783), (762, 17810), (805, 17912), (818, 17927), (831, 17975), (835, 17990), (867, 18053), (885, 18110), (899, 18149), (915, 18191), (948, 18242), (983, 18338), (1004, 18398),

Gene: BarrelRoll_23 Start: 17140, Stop: 18906, Start Num: 178
Candidate Starts for BarrelRoll_23:
(Start: 178 @17140 has 139 MA's), (198, 17170), (284, 17329), (295, 17362), (311, 17392), (329, 17425), (335, 17437), (371, 17527), (400, 17569), (436, 17641), (441, 17650), (465, 17689), (484, 17734), (491, 17755), (492, 17758), (527, 17812), (536, 17830), (551, 17872), (557, 17878), (567, 17905), (647, 18043), (656, 18061), (670, 18103), (676, 18121), (688, 18151), (702, 18178), (751, 18283), (821, 18442), (832, 18478), (841, 18508), (853, 18517), (879, 18592), (896, 18643), (983, 18838), (993, 18877), (994, 18880), (1004, 18898),

Gene: Barriga_27 Start: 20952, Stop: 22754, Start Num: 159
Candidate Starts for Barriga_27:
(Start: 159 @20952 has 217 MA's), (Start: 176 @20973 has 45 MA's), (Start: 204 @21015 has 1 MA's), (237, 21060), (367, 21276), (395, 21321), (402, 21330), (421, 21369), (448, 21420), (449, 21423), (556, 21618), (581, 21687), (604, 21747), (674, 21888), (675, 21891), (683, 21912), (730, 22008), (731, 22011), (733, 22017), (762, 22086), (767, 22104), (769, 22113), (777, 22143), (821, 22239), (831, 22272), (835, 22287), (879, 22428), (899, 22485), (945, 22596),

Gene: BarrowTuph_26 Start: 20994, Stop: 22775, Start Num: 176
Candidate Starts for BarrowTuph_26:
(Start: 159 @20973 has 217 MA's), (Start: 176 @20994 has 45 MA's), (Start: 204 @21036 has 1 MA's), (237, 21081), (367, 21297), (395, 21342), (402, 21351), (421, 21390), (448, 21441), (449, 21444), (556, 21639), (581, 21708), (674, 21909), (675, 21912), (683, 21933), (730, 22029), (731, 22032), (733, 22038), (762, 22107), (767, 22125), (769, 22134), (777, 22164), (821, 22260), (831, 22293), (835, 22308), (879, 22449), (899, 22506), (945, 22617),

Gene: Barsten_35 Start: 30283, Stop: 32046, Start Num: 111
Candidate Starts for Barsten_35:
(104, 30265), (Start: 111 @30283 has 74 MA's), (Start: 131 @30319 has 1 MA's), (238, 30457), (285, 30553), (289, 30562), (340, 30631), (367, 30682), (395, 30727), (406, 30742), (448, 30823), (475, 30868), (478, 30877), (535, 30967), (543, 30997), (550, 31012), (562, 31036), (571, 31066), (641,

31171), (689, 31288), (695, 31306), (699, 31321), (723, 31351), (730, 31363), (731, 31366), (740, 31393), (879, 31717), (880, 31720), (896, 31768), (909, 31795), (917, 31822), (943, 31876), (952, 31903), (994, 32032),

Gene: Bartholomew_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Bartholomew_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Bartimeaus_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Bartimeaus_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Bask21_24 Start: 19009, Stop: 20604, Start Num: 212
Candidate Starts for Bask21_24:
(Start: 147 @18925 has 120 MA's), (Start: 212 @19009 has 47 MA's), (Start: 260 @19087 has 1 MA's), (296, 19174), (301, 19189), (332, 19237), (349, 19276), (405, 19363), (420, 19396), (437, 19432), (454, 19462), (457, 19468), (538, 19537), (561, 19567), (565, 19579), (566, 19582), (591, 19639), (650, 19771), (651, 19777), (675, 19843), (677, 19849), (686, 19873), (704, 19921), (715, 19945), (721, 19954), (754, 20029), (810, 20080), (819, 20095), (867, 20257), (875, 20284), (885, 20314), (926, 20419), (971, 20497), (980, 20533), (983, 20542), (992, 20575), (998, 20590),

Gene: BatStarr_19 Start: 17764, Stop: 19362, Start Num: 213
Candidate Starts for BatStarr_19:
(Start: 213 @17764 has 53 MA's), (358, 18022), (367, 18040), (369, 18043), (406, 18097), (443, 18172), (479, 18241), (483, 18250), (488, 18262), (509, 18313), (521, 18340), (526, 18349), (528, 18352), (585, 18385), (613, 18442), (663, 18508), (700, 18619), (714, 18643), (730, 18679), (768, 18781), (784, 18838), (836, 18928), (933, 19168), (965, 19246),

Gene: Batiatus_16 Start: 14857, Stop: 16566, Start Num: 142
Candidate Starts for Batiatus_16:
(Start: 142 @14857 has 207 MA's), (215, 14944), (Start: 249 @14989 has 2 MA's), (258, 15013), (299, 15118), (301, 15124), (309, 15142), (332, 15172), (390, 15277), (422, 15337), (434, 15358), (437, 15367), (450, 15391), (475, 15433), (558, 15517), (564, 15532), (566, 15538), (580, 15574), (582, 15577), (589, 15589), (591, 15595), (605, 15643), (611, 15655), (614, 15661), (648, 15721), (653, 15733), (666, 15769), (670, 15781), (700, 15856), (704, 15865), (713, 15883), (715, 15889), (730, 15919), (806, 16024), (810, 16033), (812, 16036), (825, 16072), (847, 16150), (878, 16249), (885, 16270), (896, 16303), (911, 16333), (919, 16363), (924, 16372), (928, 16378), (944, 16393), (945, 16396), (955, 16420), (968, 16450), (973, 16462), (980, 16492), (992, 16534),

Gene: Battleship_31 Start: 19208, Stop: 20995, Start Num: 156
Candidate Starts for Battleship_31:

(110, 19142), (Start: 136 @19184 has 48 MA's), (Start: 156 @19208 has 559 MA's), (Start: 260 @19346 has 1 MA's), (285, 19403), (325, 19445), (344, 19481), (367, 19520), (409, 19589), (421, 19613), (449, 19667), (536, 19817), (556, 19862), (567, 19892), (579, 19928), (600, 19979), (613, 20015), (644, 20063), (671, 20123), (730, 20252), (762, 20330), (835, 20531), (837, 20537), (867, 20633), (929, 20798), (971, 20897),

Gene: Baudelaire_18 Start: 16306, Stop: 18069, Start Num: 134
Candidate Starts for Baudelaire_18:
(Start: 111 @16267 has 74 MA's), (Start: 119 @16282 has 3 MA's), (Start: 134 @16306 has 2 MA's), (Start: 161 @16327 has 14 MA's), (237, 16429), (246, 16444), (269, 16480), (296, 16555), (298, 16561), (Start: 303 @16579 has 11 MA's), (318, 16585), (323, 16591), (395, 16723), (414, 16756), (419, 16768), (430, 16789), (501, 16927), (542, 16996), (546, 17011), (556, 17023), (562, 17035), (564, 17044), (575, 17083), (579, 17089), (590, 17107), (600, 17137), (636, 17179), (674, 17266), (687, 17302), (695, 17329), (716, 17371), (730, 17389), (731, 17392), (732, 17395), (762, 17467), (764, 17470), (782, 17536), (785, 17548), (826, 17596), (858, 17662), (863, 17680), (875, 17722), (881, 17740), (896, 17785), (899, 17791), (945, 17887), (948, 17896), (951, 17905), (969, 17953), (971, 17956), (977, 17983), (983, 18001), (985, 18010), (989, 18022), (992, 18034), (994, 18043), (1002, 18055),

Gene: Baumdotcom_34 Start: 29556, Stop: 31319, Start Num: 111
Candidate Starts for Baumdotcom_34:
(Start: 111 @29556 has 74 MA's), (Start: 131 @29592 has 1 MA's), (232, 29721), (238, 29730), (285, 29826), (289, 29835), (340, 29904), (367, 29955), (372, 29964), (395, 30000), (406, 30015), (414, 30033), (448, 30096), (475, 30141), (478, 30150), (541, 30261), (543, 30270), (550, 30285), (562, 30309), (571, 30339), (689, 30561), (695, 30579), (699, 30594), (730, 30636), (731, 30639), (740, 30666), (785, 30786), (824, 30849), (879, 30990), (880, 30993), (896, 31041), (909, 31068), (917, 31095), (943, 31149), (952, 31176), (984, 31266), (1000, 31314),

Gene: Bavilard_18 Start: 16207, Stop: 17901, Start Num: 151
Candidate Starts for Bavilard_18:
(Start: 141 @16204 has 37 MA's), (Start: 151 @16207 has 50 MA's), (235, 16306), (259, 16348), (400, 16588), (445, 16675), (456, 16696), (462, 16705), (477, 16732), (495, 16777), (525, 16810), (534, 16825), (541, 16849), (553, 16882), (567, 16915), (571, 16927), (594, 16984), (620, 17014), (635, 17032), (652, 17062), (666, 17092), (688, 17155), (707, 17206), (731, 17242), (736, 17257), (744, 17275), (767, 17332), (769, 17341), (832, 17461), (835, 17473), (862, 17521), (878, 17572), (879, 17575), (885, 17593), (914, 17671), (925, 17698), (945, 17740), (994, 17887), (998, 17893),

Gene: BaxterFox_18 Start: 17103, Stop: 18701, Start Num: 213
Candidate Starts for BaxterFox_18:
(Start: 213 @17103 has 53 MA's), (358, 17361), (367, 17379), (369, 17382), (406, 17436), (443, 17511), (479, 17580), (483, 17589), (488, 17601), (491, 17613), (509, 17652), (521, 17679), (526, 17688), (528, 17691), (585, 17724), (613, 17781), (663, 17847), (700, 17958), (730, 18018), (768, 18120), (784, 18177), (836, 18267), (933, 18507), (965, 18585),

Gene: Bazzle_18 Start: 16954, Stop: 18687, Start Num: 175
Candidate Starts for Bazzle_18:
(Start: 175 @16954 has 56 MA's), (223, 17023), (295, 17164), (296, 17167), (327, 17212), (343, 17245), (366, 17290), (400, 17344), (414, 17371), (419, 17383), (445, 17434), (448, 17440), (469, 17473), (546, 17626), (562, 17650), (564, 17659), (572, 17683), (575, 17698), (579, 17704), (601, 17755), (636, 17797), (686, 17917), (712, 17980), (746, 18052), (764, 18088), (785, 18166), (819, 18187), (824, 18208), (826, 18214), (830, 18226), (860, 18289), (888, 18376), (896, 18403), (912, 18436), (925, 18472), (935, 18487), (951, 18523), (977, 18601), (983, 18619),

Gene: Beakin_17 Start: 14663, Stop: 16372, Start Num: 142
Candidate Starts for Beakin_17:
(Start: 142 @14663 has 207 MA's), (215, 14750), (Start: 249 @14795 has 2 MA's), (258, 14819), (299, 14924), (301, 14930), (309, 14948), (332, 14978), (390, 15083), (422, 15143), (434, 15164), (437, 15173), (447, 15191), (450, 15197), (535, 15272), (558, 15323), (564, 15338), (566, 15344), (580, 15380), (582, 15383), (589, 15395), (591, 15401), (605, 15449), (611, 15461), (614, 15467), (648, 15527), (653, 15539), (666, 15575), (670, 15587), (700, 15662), (704, 15671), (713, 15689), (715, 15695), (730, 15725), (806, 15830), (810, 15839), (812, 15842), (825, 15878), (847, 15956), (878, 16055), (885, 16076), (896, 16109), (911, 16139), (919, 16169), (924, 16178), (928, 16184), (944, 16199), (945, 16202), (955, 16226), (968, 16256), (973, 16268), (980, 16298), (992, 16340),

Gene: BearBQ_19 Start: 17400, Stop: 19109, Start Num: 157
Candidate Starts for BearBQ_19:
(Start: 157 @17400 has 24 MA's), (170, 17412), (172, 17415), (241, 17517), (261, 17553), (289, 17619), (346, 17712), (379, 17763), (383, 17772), (395, 17790), (417, 17832), (421, 17838), (433, 17862), (435, 17868), (445, 17886), (475, 17937), (477, 17943), (488, 17973), (523, 18015), (537, 18042), (543, 18066), (567, 18117), (568, 18120), (577, 18150), (670, 18300), (740, 18462), (767, 18528), (769, 18537), (772, 18549), (774, 18558), (826, 18651), (832, 18672), (835, 18684), (837, 18690), (840, 18699), (841, 18702), (868, 18756), (879, 18786), (904, 18855), (943, 18942), (945, 18948), (967, 18999), (992, 19086), (1000, 19104),

Gene: Beatrix_27 Start: 22534, Stop: 24336, Start Num: 159
Candidate Starts for Beatrix_27:
(Start: 159 @22534 has 217 MA's), (Start: 176 @22555 has 45 MA's), (Start: 204 @22597 has 1 MA's), (237, 22642), (367, 22858), (395, 22903), (402, 22912), (421, 22951), (448, 23002), (449, 23005), (556, 23200), (581, 23269), (674, 23470), (675, 23473), (683, 23494), (730, 23590), (731, 23593), (733, 23599), (762, 23668), (767, 23686), (769, 23695), (777, 23725), (821, 23821), (831, 23854), (835, 23869), (879, 24010), (899, 24067), (945, 24178),

Gene: Beauxregard13_29 Start: 20379, Stop: 22175, Start Num: 156
Candidate Starts for Beauxregard13_29:
(Start: 156 @20379 has 559 MA's), (Start: 204 @20436 has 1 MA's), (215, 20451), (238, 20484), (254, 20505), (259, 20520), (Start: 303 @20607 has 11 MA's), (323, 20619), (325, 20622), (367, 20697), (376, 20712), (400, 20748), (508, 20955), (567, 21069), (581, 21108), (615, 21195), (674, 21309), (683, 21333), (689, 21351), (731, 21432), (762, 21507), (767, 21525), (775, 21558), (777, 21564), (790, 21603), (820, 21657), (821, 21660), (828, 21681), (844, 21738), (899, 21906), (943, 22011), (945, 22017), (992, 22152),

Gene: Becksu_24 Start: 20013, Stop: 21608, Start Num: 212
Candidate Starts for Becksu_24:
(Start: 147 @19929 has 120 MA's), (Start: 212 @20013 has 47 MA's), (Start: 260 @20091 has 1 MA's), (296, 20178), (301, 20193), (332, 20241), (349, 20280), (405, 20367), (420, 20400), (437, 20436), (454, 20466), (457, 20472), (538, 20541), (561, 20571), (565, 20583), (566, 20586), (591, 20643), (650, 20775), (651, 20781), (675, 20847), (677, 20853), (686, 20877), (704, 20925), (715, 20949), (721, 20958), (754, 21033), (810, 21084), (819, 21099), (867, 21261), (875, 21288), (885, 21318), (926, 21423), (971, 21501), (980, 21537), (983, 21546), (992, 21579), (998, 21594),

Gene: BeeGee_20 Start: 17530, Stop: 19236, Start Num: 157
Candidate Starts for BeeGee_20:
(Start: 137 @17506 has 45 MA's), (Start: 157 @17530 has 24 MA's), (238, 17635), (262, 17677), (302, 17752), (367, 17866), (445, 18013), (448, 18019), (475, 18064), (546, 18202), (577, 18277), (730, 18559), (737, 18580), (767, 18655), (809, 18742), (826, 18778), (835, 18811), (837, 18817), (868, 18883), (879, 18913), (943, 19069), (945, 19075), (951, 19093), (990, 19204),

Gene: Beelzebub_54 Start: 27672, Stop: 29384, Start Num: 175
Candidate Starts for Beelzebub_54:
(122, 27609), (Start: 175 @27672 has 56 MA's), (Start: 233 @27753 has 1 MA's), (266, 27810), (296, 27891), (298, 27897), (339, 27954), (342, 27966), (346, 27978), (367, 28017), (376, 28032), (417, 28101), (445, 28155), (449, 28164), (539, 28320), (562, 28368), (564, 28377), (567, 28386), (581, 28425), (590, 28440), (636, 28503), (644, 28515), (689, 28632), (690, 28635), (712, 28686), (729, 28713), (731, 28716), (738, 28737), (758, 28779), (820, 28899), (826, 28917), (881, 29061), (896, 29106), (905, 29124), (942, 29208), (945, 29217), (951, 29235), (961, 29256), (977, 29301), (979, 29307), (983, 29319), (986, 29331), (990, 29343), (998, 29367), (1002, 29373),

Gene: Beemo_30 Start: 21783, Stop: 23573, Start Num: 156
Candidate Starts for Beemo_30:
(Start: 153 @21780 has 9 MA's), (Start: 156 @21783 has 559 MA's), (323, 22017), (325, 22020), (366, 22092), (367, 22095), (376, 22110), (402, 22149), (406, 22155), (465, 22266), (508, 22353), (550, 22434), (556, 22437), (635, 22623), (669, 22686), (675, 22710), (677, 22716), (689, 22749), (731, 22830), (775, 22956), (788, 22998), (821, 23058), (831, 23091), (835, 23106), (866, 23205), (867, 23208), (869, 23220), (899, 23304), (925, 23370), (943, 23409), (945, 23415), (964, 23460), (983, 23517), (984, 23520),

Gene: Beenie_20 Start: 17703, Stop: 19283, Start Num: 213
Candidate Starts for Beenie_20:
(123, 17586), (Start: 213 @17703 has 53 MA's), (358, 17961), (369, 17982), (406, 18036), (423, 18075), (455, 18132), (469, 18153), (585, 18324), (592, 18342), (606, 18366), (631, 18387), (663, 18429), (691, 18510), (730, 18600), (747, 18645), (768, 18702), (769, 18705), (784, 18759), (836, 18849), (948, 19128), (951, 19137), (965, 19167),

Gene: BeesKnees_28 Start: 21151, Stop: 22953, Start Num: 159
Candidate Starts for BeesKnees_28:
(Start: 159 @21151 has 217 MA's), (Start: 176 @21172 has 45 MA's), (Start: 204 @21214 has 1 MA's), (237, 21259), (367, 21475), (395, 21520), (402, 21529), (421, 21568), (448, 21619), (449, 21622), (556, 21817), (581, 21886), (674, 22087), (675, 22090), (683, 22111), (730, 22207), (731, 22210), (733, 22216), (762, 22285), (767, 22303), (769, 22312), (777, 22342), (821, 22438), (831, 22471), (835, 22486), (879, 22627), (899, 22684), (945, 22795),

Gene: Beezoo_23 Start: 17164, Stop: 18930, Start Num: 178
Candidate Starts for Beezoo_23:
(Start: 178 @17164 has 139 MA's), (198, 17194), (284, 17353), (295, 17386), (311, 17416), (329, 17449), (335, 17461), (371, 17551), (400, 17593), (436, 17665), (441, 17674), (465, 17713), (484, 17758), (491, 17779), (492, 17782), (527, 17836), (536, 17854), (551, 17896), (557, 17902), (567, 17929), (647, 18067), (656, 18085), (670, 18127), (676, 18145), (688, 18175), (702, 18202), (751, 18307), (821, 18466), (832, 18502), (853, 18541), (879, 18616), (896, 18667), (983, 18862), (993, 18901), (994, 18904), (1004, 18922),

Gene: Begonia_20 Start: 17128, Stop: 18774, Start Num: 227
Candidate Starts for Begonia_20:
(203, 17092), (Start: 227 @17128 has 45 MA's), (283, 17230), (318, 17308), (374, 17407), (396, 17446), (435, 17527), (468, 17581), (475, 17596), (591, 17767), (600, 17797), (677, 17980), (686, 18004), (700, 18055), (739, 18148), (744, 18160), (765, 18205), (799, 18220), (843, 18352), (844, 18355), (875, 18454), (881, 18472), (899, 18523), (925, 18589), (963, 18652), (968, 18664),

Gene: Belenaria_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Belenaria_23:

(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Bella96_23 Start: 17084, Stop: 18850, Start Num: 178
Candidate Starts for Bella96_23:
(Start: 178 @17084 has 139 MA's), (198, 17114), (284, 17273), (295, 17306), (311, 17336), (329, 17369), (335, 17381), (371, 17471), (400, 17513), (436, 17585), (441, 17594), (465, 17633), (484, 17678), (492, 17702), (536, 17774), (551, 17816), (557, 17822), (567, 17849), (647, 17987), (656, 18005), (670, 18047), (676, 18065), (688, 18095), (702, 18122), (751, 18227), (779, 18317), (832, 18422), (841, 18452), (853, 18461), (879, 18536), (896, 18587), (983, 18782), (993, 18821), (994, 18824), (1004, 18842),

Gene: Belladonna_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Belladonna_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Bellis_19 Start: 17375, Stop: 19138, Start Num: 136
Candidate Starts for Bellis_19:
(Start: 136 @17375 has 48 MA's), (Start: 161 @17402 has 14 MA's), (207, 17465), (241, 17513), (246, 17519), (269, 17555), (296, 17630), (Start: 303 @17654 has 11 MA's), (318, 17660), (346, 17717), (414, 17831), (419, 17843), (478, 17954), (556, 18098), (562, 18110), (572, 18143), (575, 18158), (674, 18332), (676, 18338), (695, 18395), (716, 18437), (724, 18446), (731, 18458), (762, 18533), (782, 18602), (785, 18614), (826, 18662), (858, 18728), (881, 18806), (896, 18851), (919, 18908), (951, 18971), (963, 19007), (969, 19022), (977, 19052), (979, 19058), (983, 19070), (985, 19079), (989, 19091),

Gene: BellusTerra_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for BellusTerra_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Belphegor_33 Start: 30018, Stop: 31643, Start Num: 183
Candidate Starts for Belphegor_33:
(Start: 138 @29961 has 1 MA's), (Start: 183 @30018 has 17 MA's), (193, 30030), (215, 30063), (Start: 249 @30114 has 2 MA's), (296, 30231), (300, 30243), (317, 30273), (341, 30318), (368, 30369), (390, 30408), (567, 30615), (578, 30645), (584, 30654), (597, 30690), (621, 30750), (648, 30798), (651, 30807), (674, 30870), (688, 30906), (691, 30915), (706, 30945), (724, 30984), (761, 31071), (762, 31074), (826, 31152), (843, 31212), (858, 31257), (881, 31338), (901, 31392), (948, 31488), (983, 31584), (992, 31617),

Gene: Bench_26 Start: 19690, Stop: 21285, Start Num: 212
Candidate Starts for Bench_26:
(Start: 147 @19606 has 120 MA's), (Start: 212 @19690 has 47 MA's), (Start: 260 @19768 has 1 MA's), (296, 19855), (301, 19870), (332, 19918), (349, 19957), (405, 20044), (420, 20077), (437, 20113), (454, 20143), (457, 20149), (538, 20218), (561, 20248), (565, 20260), (566, 20263), (591, 20320), (650, 20452), (651, 20458), (675, 20524), (677, 20530), (686, 20554), (704, 20602), (715, 20626), (721, 20635), (754, 20710), (810, 20761), (819, 20776), (867, 20938), (875, 20965), (885, 20995), (926, 21100), (971, 21178), (980, 21214), (983, 21223), (992, 21256), (998, 21271),

Gene: Benedict_24 Start: 18978, Stop: 20777, Start Num: 156
Candidate Starts for Benedict_24:
(Start: 156 @18978 has 559 MA's), (325, 19215), (367, 19290), (376, 19305), (400, 19341), (436, 19413), (445, 19428), (465, 19461), (469, 19467), (567, 19662), (575, 19692), (579, 19698), (615, 19788), (644, 19833), (674, 19902), (689, 19944), (694, 19962), (730, 20022), (731, 20025), (767, 20118), (820, 20259), (831, 20295), (942, 20610), (945, 20619), (992, 20754),

Gene: BengiVuitton_29 Start: 20620, Stop: 22392, Start Num: 156
Candidate Starts for BengiVuitton_29:
(Start: 136 @20596 has 48 MA's), (Start: 156 @20620 has 559 MA's), (238, 20719), (323, 20854), (325, 20857), (366, 20929), (367, 20932), (402, 20986), (406, 20992), (421, 21025), (445, 21070), (465, 21103), (508, 21190), (550, 21271), (556, 21274), (571, 21316), (635, 21460), (675, 21547), (723, 21652), (731, 21667), (775, 21793), (777, 21799), (808, 21847), (835, 21925), (837, 21931), (855, 21985), (866, 22024), (869, 22039), (899, 22123), (945, 22234),

Gene: Benvolio_28 Start: 20292, Stop: 22064, Start Num: 156
Candidate Starts for Benvolio_28:
(Start: 136 @20268 has 48 MA's), (Start: 156 @20292 has 559 MA's), (238, 20391), (281, 20475), (323, 20526), (325, 20529), (366, 20601), (367, 20604), (402, 20658), (421, 20697), (465, 20775), (508, 20862), (550, 20943), (556, 20946), (675, 21219), (731, 21339), (775, 21465), (777, 21471), (808, 21519), (831, 21582), (835, 21597), (837, 21603), (855, 21657), (866, 21696), (869, 21711), (899, 21795), (945, 21906),

Gene: Bern_25 Start: 17112, Stop: 18878, Start Num: 178
Candidate Starts for Bern_25:
(Start: 178 @17112 has 139 MA's), (198, 17142), (284, 17301), (295, 17334), (311, 17364), (329, 17397), (335, 17409), (371, 17499), (400, 17541), (436, 17613), (441, 17622), (465, 17661), (484, 17706), (488, 17715), (492, 17730), (536, 17802), (551, 17844), (557, 17850), (567, 17877), (647, 18015), (656, 18033), (670, 18075), (676, 18093), (688, 18123), (702, 18150), (751, 18255), (832, 18450), (841, 18480), (853, 18489), (879, 18564), (896, 18615), (948, 18714), (971, 18765), (983, 18810), (993, 18849), (994, 18852), (1004, 18870),

Gene: Bernal13_19 Start: 16980, Stop: 18686, Start Num: 175
Candidate Starts for Bernal13_19:
(101, 16872), (106, 16884), (Start: 175 @16980 has 56 MA's), (223, 17046), (273, 17121), (275, 17127), (Start: 303 @17211 has 11 MA's), (343, 17265), (366, 17310), (367, 17313), (409, 17379), (562, 17664), (674, 17886), (758, 18075), (826, 18213), (830, 18225), (896, 18402), (912, 18438), (977, 18603), (985, 18630), (998, 18669), (1002, 18675),

Gene: Bethlehem_27 Start: 22379, Stop: 24181, Start Num: 159
Candidate Starts for Bethlehem_27:
(Start: 159 @22379 has 217 MA's), (Start: 176 @22400 has 45 MA's), (Start: 204 @22442 has 1 MA's), (237, 22487), (367, 22703), (395, 22748), (402, 22757), (448, 22847), (449, 22850), (495, 22943), (556, 23045), (581, 23114), (670, 23303), (674, 23315), (675, 23318), (683, 23339), (730,

23435), (731, 23438), (733, 23444), (762, 23513), (767, 23531), (769, 23540), (777, 23570), (821, 23666), (831, 23699), (835, 23714), (879, 23855), (899, 23912), (945, 24023),

Gene: BetterKatz_22 Start: 17603, Stop: 19309, Start Num: 222
Candidate Starts for BetterKatz_22:
(Start: 164 @17528 has 1 MA's), (Start: 222 @17603 has 16 MA's), (272, 17696), (277, 17711), (280, 17717), (309, 17792), (343, 17864), (397, 17975), (421, 18020), (430, 18038), (436, 18050), (534, 18221), (537, 18230), (539, 18236), (551, 18269), (576, 18332), (599, 18383), (630, 18407), (644, 18431), (674, 18506), (688, 18545), (747, 18677), (784, 18791), (831, 18878), (878, 18992), (881, 19001), (925, 19106), (969, 19193), (1004, 19301),

Gene: Bexan_26 Start: 22101, Stop: 23903, Start Num: 159
Candidate Starts for Bexan_26:
(Start: 159 @22101 has 217 MA's), (Start: 176 @22122 has 45 MA's), (Start: 204 @22164 has 1 MA's), (237, 22209), (367, 22425), (395, 22470), (402, 22479), (421, 22518), (448, 22569), (449, 22572), (556, 22767), (581, 22836), (674, 23037), (675, 23040), (683, 23061), (730, 23157), (731, 23160), (733, 23166), (762, 23235), (767, 23253), (769, 23262), (777, 23292), (821, 23388), (831, 23421), (835, 23436), (844, 23466), (879, 23577), (899, 23634), (945, 23745),

Gene: Bhagsy_19 Start: 16392, Stop: 18128, Start Num: 137
Candidate Starts for Bhagsy_19:
(Start: 121 @16368 has 6 MA's), (Start: 137 @16392 has 45 MA's), (Start: 186 @16452 has 1 MA's), (198, 16473), (201, 16476), (274, 16596), (290, 16635), (300, 16668), (317, 16692), (382, 16812), (405, 16851), (407, 16857), (447, 16941), (450, 16947), (457, 16959), (473, 16983), (485, 17010), (538, 17028), (555, 17067), (558, 17073), (567, 17097), (591, 17151), (594, 17163), (597, 17172), (621, 17232), (658, 17310), (670, 17349), (682, 17382), (704, 17448), (711, 17463), (715, 17472), (726, 17496), (740, 17526), (746, 17538), (822, 17640), (827, 17652), (828, 17655), (830, 17661), (832, 17670), (865, 17778), (892, 17862), (937, 17961), (983, 18069), (998, 18117),

Gene: BiPauneto_44 Start: 29578, Stop: 31182, Start Num: 211
Candidate Starts for BiPauneto_44:
(Start: 202 @29566 has 36 MA's), (209, 29575), (Start: 211 @29578 has 16 MA's), (Start: 231 @29602 has 1 MA's), (277, 29680), (367, 29863), (406, 29920), (410, 29932), (417, 29947), (458, 30013), (469, 30028), (481, 30052), (519, 30139), (522, 30145), (535, 30169), (562, 30229), (571, 30259), (577, 30280), (654, 30385), (663, 30406), (704, 30493), (728, 30541), (773, 30667), (785, 30703), (878, 30868), (884, 30886), (896, 30922), (976, 31096), (980, 31108), (998, 31165),

Gene: Bialota_19 Start: 17776, Stop: 19374, Start Num: 213
Candidate Starts for Bialota_19:
(Start: 213 @17776 has 53 MA's), (356, 18025), (358, 18034), (367, 18052), (369, 18055), (406, 18109), (443, 18184), (479, 18253), (483, 18262), (488, 18274), (491, 18286), (509, 18325), (521, 18352), (526, 18361), (528, 18364), (585, 18397), (613, 18454), (663, 18520), (700, 18631), (730, 18691), (768, 18793), (784, 18850), (836, 18940), (933, 19180), (965, 19258),

Gene: BiancaTri92_30 Start: 21973, Stop: 23745, Start Num: 156
Candidate Starts for BiancaTri92_30:
(Start: 136 @21949 has 48 MA's), (Start: 156 @21973 has 559 MA's), (259, 22108), (269, 22126), (323, 22207), (325, 22210), (366, 22282), (367, 22285), (402, 22339), (445, 22423), (465, 22456), (479, 22489), (508, 22543), (542, 22603), (550, 22624), (556, 22627), (635, 22813), (675, 22900), (689, 22939), (731, 23020), (775, 23146), (777, 23152), (784, 23176), (808, 23200), (831, 23263), (835, 23278), (837, 23284), (855, 23338), (866, 23377), (869, 23392), (945, 23587),

Gene: Bibwit_34 Start: 30470, Stop: 32233, Start Num: 111

Candidate Starts for Bibwit_34:
(104, 30452), (Start: 111 @30470 has 74 MA's), (Start: 131 @30506 has 1 MA's), (238, 30644), (285, 30740), (289, 30749), (340, 30818), (367, 30869), (395, 30914), (406, 30929), (448, 31010), (475, 31055), (478, 31064), (535, 31154), (543, 31184), (550, 31199), (553, 31208), (562, 31223), (571, 31253), (689, 31475), (695, 31493), (699, 31508), (723, 31538), (730, 31550), (731, 31553), (740, 31580), (879, 31904), (880, 31907), (896, 31955), (909, 31982), (917, 32009), (943, 32063), (951, 32087), (952, 32090), (984, 32180), (1000, 32228),

Gene: Big3_27 Start: 21732, Stop: 23534, Start Num: 159
Candidate Starts for Big3_27:
(Start: 159 @21732 has 217 MA's), (Start: 176 @21753 has 45 MA's), (Start: 204 @21795 has 1 MA's), (237, 21840), (367, 22056), (395, 22101), (402, 22110), (421, 22149), (448, 22200), (449, 22203), (556, 22398), (581, 22467), (674, 22668), (675, 22671), (683, 22692), (730, 22788), (731, 22791), (733, 22797), (762, 22866), (767, 22884), (769, 22893), (777, 22923), (821, 23019), (831, 23052), (835, 23067), (879, 23208), (899, 23265), (945, 23376),

Gene: BigBubba_25 Start: 19509, Stop: 21188, Start Num: 147
Candidate Starts for BigBubba_25:
(Start: 147 @19509 has 120 MA's), (Start: 212 @19593 has 47 MA's), (Start: 260 @19671 has 1 MA's), (296, 19758), (301, 19773), (332, 19821), (349, 19860), (405, 19947), (420, 19980), (437, 20016), (454, 20046), (457, 20052), (538, 20121), (561, 20151), (565, 20163), (566, 20166), (591, 20223), (650, 20355), (651, 20361), (675, 20427), (677, 20433), (686, 20457), (704, 20505), (715, 20529), (721, 20538), (754, 20613), (810, 20664), (819, 20679), (867, 20841), (875, 20868), (885, 20898), (926, 21003), (971, 21081), (980, 21117), (983, 21126), (992, 21159), (998, 21174),

Gene: BigCheese_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for BigCheese_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: BigChungus_17 Start: 15461, Stop: 17155, Start Num: 151
Candidate Starts for BigChungus_17:
(Start: 141 @15458 has 37 MA's), (Start: 151 @15461 has 50 MA's), (235, 15560), (259, 15602), (289, 15671), (400, 15842), (445, 15929), (456, 15950), (462, 15959), (477, 15986), (495, 16031), (525, 16064), (534, 16079), (541, 16103), (553, 16136), (567, 16169), (571, 16181), (594, 16238), (635, 16286), (652, 16316), (666, 16346), (688, 16409), (707, 16460), (731, 16496), (736, 16511), (744, 16529), (767, 16586), (769, 16595), (832, 16715), (835, 16727), (862, 16775), (878, 16826), (879, 16829), (885, 16847), (914, 16925), (919, 16940), (925, 16952), (945, 16994), (994, 17141), (998, 17147),

Gene: BigMau_29 Start: 21333, Stop: 23135, Start Num: 159
Candidate Starts for BigMau_29:
(Start: 159 @21333 has 217 MA's), (Start: 176 @21354 has 45 MA's), (Start: 204 @21396 has 1 MA's), (237, 21441), (367, 21657), (395, 21702), (402, 21711), (421, 21750), (448, 21801), (449, 21804), (556, 21999), (581, 22068), (674, 22269), (675, 22272), (683, 22293), (730, 22389), (731, 22392), (733, 22398), (762, 22467), (767, 22485), (769, 22494), (777, 22524), (821, 22620), (831, 22653), (835, 22668), (879, 22809), (899, 22866), (945, 22977),

Gene: BigNuz_18 Start: 16129, Stop: 17865, Start Num: 137

Candidate Starts for BigNuz_18:
(Start: 137 @16129 has 45 MA's), (201, 16213), (272, 16327), (274, 16333), (282, 16354), (290, 16372), (300, 16405), (317, 16429), (405, 16588), (407, 16594), (466, 16708), (538, 16765), (555, 16804), (558, 16810), (567, 16834), (591, 16888), (594, 16900), (597, 16909), (621, 16969), (638, 17014), (648, 17026), (658, 17047), (670, 17086), (682, 17119), (686, 17131), (704, 17185), (715, 17209), (726, 17233), (740, 17263), (746, 17275), (822, 17377), (827, 17389), (830, 17398), (832, 17407), (865, 17515), (892, 17599), (937, 17698), (968, 17755), (998, 17854),

Gene: BigPaolini_28 Start: 21730, Stop: 23532, Start Num: 159
Candidate Starts for BigPaolini_28:
(Start: 159 @21730 has 217 MA's), (Start: 176 @21751 has 45 MA's), (Start: 204 @21793 has 1 MA's), (237, 21838), (367, 22054), (395, 22099), (402, 22108), (421, 22147), (448, 22198), (449, 22201), (556, 22396), (581, 22465), (674, 22666), (675, 22669), (683, 22690), (730, 22786), (731, 22789), (733, 22795), (762, 22864), (767, 22882), (769, 22891), (777, 22921), (821, 23017), (831, 23050), (835, 23065), (879, 23206), (899, 23263), (945, 23374), (1000, 23527),

Gene: BigPhil_17 Start: 14635, Stop: 16344, Start Num: 142
Candidate Starts for BigPhil_17:
(Start: 142 @14635 has 207 MA's), (215, 14722), (Start: 249 @14767 has 2 MA's), (258, 14791), (299, 14896), (301, 14902), (309, 14920), (332, 14950), (390, 15055), (422, 15115), (434, 15136), (437, 15145), (450, 15169), (535, 15244), (536, 15247), (558, 15295), (564, 15310), (566, 15316), (580, 15352), (582, 15355), (589, 15367), (591, 15373), (605, 15421), (611, 15433), (614, 15439), (648, 15499), (653, 15511), (666, 15547), (670, 15559), (700, 15634), (704, 15643), (713, 15661), (715, 15667), (730, 15697), (806, 15802), (810, 15811), (812, 15814), (825, 15850), (847, 15928), (878, 16027), (885, 16048), (896, 16081), (911, 16111), (919, 16141), (924, 16150), (928, 16156), (944, 16171), (945, 16174), (955, 16198), (968, 16228), (973, 16240), (980, 16270), (992, 16312),

Gene: Bigchungi_27 Start: 21103, Stop: 22905, Start Num: 159
Candidate Starts for Bigchungi_27:
(Start: 159 @21103 has 217 MA's), (Start: 176 @21124 has 45 MA's), (Start: 204 @21166 has 1 MA's), (367, 21427), (395, 21472), (402, 21481), (421, 21520), (448, 21571), (449, 21574), (556, 21769), (581, 21838), (674, 22039), (675, 22042), (683, 22063), (730, 22159), (731, 22162), (733, 22168), (762, 22237), (767, 22255), (769, 22264), (777, 22294), (821, 22390), (831, 22423), (835, 22438), (879, 22579), (899, 22636), (945, 22747),

Gene: Bigflo_29 Start: 20378, Stop: 22174, Start Num: 156
Candidate Starts for Bigflo_29:
(Start: 156 @20378 has 559 MA's), (Start: 204 @20435 has 1 MA's), (215, 20450), (238, 20483), (254, 20504), (259, 20519), (Start: 303 @20606 has 11 MA's), (323, 20618), (325, 20621), (367, 20696), (376, 20711), (400, 20747), (508, 20954), (567, 21068), (581, 21107), (615, 21194), (674, 21308), (683, 21332), (689, 21350), (731, 21431), (762, 21506), (767, 21524), (775, 21557), (777, 21563), (790, 21602), (820, 21656), (821, 21659), (828, 21680), (844, 21737), (899, 21905), (943, 22010), (945, 22016), (992, 22151),

Gene: Bigfoot_26 Start: 20939, Stop: 22741, Start Num: 159
Candidate Starts for Bigfoot_26:
(Start: 159 @20939 has 217 MA's), (Start: 176 @20960 has 45 MA's), (Start: 204 @21002 has 1 MA's), (237, 21047), (367, 21263), (395, 21308), (402, 21317), (448, 21407), (449, 21410), (495, 21503), (556, 21605), (581, 21674), (670, 21863), (674, 21875), (675, 21878), (683, 21899), (730, 21995), (731, 21998), (733, 22004), (762, 22073), (767, 22091), (769, 22100), (777, 22130), (821, 22226), (831, 22259), (835, 22274), (844, 22304), (879, 22415), (899, 22472), (945, 22583),

Gene: Biglebops_19 Start: 16697, Stop: 18463, Start Num: 178

Candidate Starts for Biglebops_19:
(Start: 178 @16697 has 139 MA's), (Start: 181 @16703 has 15 MA's), (198, 16727), (272, 16853), (277, 16868), (284, 16886), (311, 16949), (371, 17084), (376, 17090), (436, 17198), (441, 17207), (491, 17312), (534, 17381), (536, 17387), (547, 17423), (557, 17435), (579, 17498), (647, 17600), (656, 17618), (670, 17660), (671, 17663), (721, 17768), (751, 17840), (784, 17948), (786, 17954), (821, 17999), (837, 18053), (853, 18074), (879, 18149), (896, 18200), (948, 18299), (954, 18314), (971, 18350), (983, 18395), (993, 18434), (994, 18437), (1004, 18455),

Gene: BilboSwaggins_24 Start: 19830, Stop: 21425, Start Num: 212
Candidate Starts for BilboSwaggins_24:
(Start: 147 @19746 has 120 MA's), (Start: 212 @19830 has 47 MA's), (Start: 260 @19908 has 1 MA's), (296, 19995), (301, 20010), (332, 20058), (349, 20097), (405, 20184), (420, 20217), (437, 20253), (454, 20283), (457, 20289), (538, 20358), (561, 20388), (565, 20400), (566, 20403), (591, 20460), (650, 20592), (651, 20598), (675, 20664), (677, 20670), (686, 20694), (704, 20742), (715, 20766), (721, 20775), (754, 20850), (810, 20901), (819, 20916), (867, 21078), (875, 21105), (885, 21135), (926, 21240), (971, 21318), (980, 21354), (983, 21363), (992, 21396), (998, 21411),

Gene: BillDoor_20 Start: 15365, Stop: 17062, Start Num: 151
Candidate Starts for BillDoor_20:
(Start: 141 @15362 has 37 MA's), (Start: 151 @15365 has 50 MA's), (235, 15467), (241, 15479), (287, 15575), (344, 15659), (400, 15749), (430, 15809), (445, 15836), (462, 15866), (465, 15869), (495, 15938), (525, 15971), (530, 15983), (534, 15986), (540, 16007), (541, 16010), (567, 16076), (571, 16088), (666, 16253), (731, 16403), (736, 16418), (744, 16436), (767, 16493), (835, 16634), (837, 16640), (841, 16652), (853, 16661), (878, 16733), (879, 16736), (881, 16742), (885, 16754), (919, 16847), (925, 16859), (931, 16868), (945, 16901),

Gene: BillKnuckles_28 Start: 21817, Stop: 23619, Start Num: 159
Candidate Starts for BillKnuckles_28:
(Start: 159 @21817 has 217 MA's), (Start: 176 @21838 has 45 MA's), (Start: 204 @21880 has 1 MA's), (237, 21925), (367, 22141), (395, 22186), (402, 22195), (421, 22234), (448, 22285), (469, 22318), (556, 22483), (581, 22552), (674, 22753), (675, 22756), (683, 22777), (730, 22873), (731, 22876), (733, 22882), (762, 22951), (767, 22969), (769, 22978), (777, 23008), (821, 23104), (831, 23137), (835, 23152), (879, 23293), (899, 23350), (945, 23461),

Gene: Bipolar_16 Start: 14807, Stop: 16516, Start Num: 142
Candidate Starts for Bipolar_16:
(Start: 142 @14807 has 207 MA's), (215, 14894), (Start: 249 @14939 has 2 MA's), (258, 14963), (299, 15068), (301, 15074), (309, 15092), (332, 15122), (390, 15227), (422, 15287), (434, 15308), (437, 15317), (450, 15341), (535, 15416), (536, 15419), (558, 15467), (564, 15482), (566, 15488), (580, 15524), (582, 15527), (589, 15539), (591, 15545), (605, 15593), (611, 15605), (614, 15611), (648, 15671), (653, 15683), (666, 15719), (670, 15731), (671, 15734), (700, 15806), (704, 15815), (713, 15833), (715, 15839), (730, 15869), (806, 15974), (810, 15983), (812, 15986), (825, 16022), (847, 16100), (878, 16199), (885, 16220), (896, 16253), (919, 16313), (924, 16322), (928, 16328), (944, 16343), (945, 16346), (955, 16370), (968, 16400), (973, 16412), (980, 16442), (992, 16484),

Gene: Bipper_24 Start: 19740, Stop: 21590, Start Num: 121
Candidate Starts for Bipper_24:
(Start: 121 @19740 has 6 MA's), (154, 19785), (237, 19884), (256, 19920), (268, 19950), (277, 19974), (295, 20025), (296, 20028), (345, 20127), (346, 20130), (417, 20268), (427, 20289), (445, 20319), (448, 20325), (473, 20364), (495, 20430), (529, 20472), (536, 20487), (551, 20529), (568, 20565), (571, 20574), (576, 20592), (606, 20652), (609, 20658), (611, 20661), (629, 20691), (644, 20724), (647, 20727), (661, 20754), (682, 20820), (782, 21069), (860, 21216), (883, 21288), (899, 21333), (911, 21357), (912, 21363), (968, 21471), (993, 21561), (994, 21564),

Gene: Bircsak_27 Start: 21589, Stop: 23391, Start Num: 159
Candidate Starts for Bircsak_27:
(Start: 159 @21589 has 217 MA's), (Start: 176 @21610 has 45 MA's), (Start: 204 @21652 has 1 MA's), (237, 21697), (367, 21913), (395, 21958), (402, 21967), (448, 22057), (449, 22060), (465, 22084), (556, 22255), (581, 22324), (674, 22525), (675, 22528), (683, 22549), (730, 22645), (731, 22648), (733, 22654), (762, 22723), (767, 22741), (769, 22750), (777, 22780), (821, 22876), (831, 22909), (835, 22924), (879, 23065), (899, 23122), (945, 23233),

Gene: Birdsong_19 Start: 16293, Stop: 18002, Start Num: 157
Candidate Starts for Birdsong_19:
(Start: 157 @16293 has 24 MA's), (170, 16305), (172, 16308), (241, 16410), (261, 16446), (289, 16512), (379, 16656), (383, 16665), (395, 16683), (417, 16725), (421, 16731), (433, 16755), (445, 16779), (475, 16830), (477, 16836), (488, 16866), (523, 16908), (535, 16929), (537, 16935), (543, 16959), (567, 17010), (568, 17013), (577, 17043), (670, 17193), (683, 17229), (740, 17355), (767, 17421), (769, 17430), (772, 17442), (774, 17451), (826, 17544), (832, 17565), (835, 17577), (837, 17583), (839, 17589), (841, 17595), (868, 17649), (879, 17679), (904, 17748), (943, 17835), (945, 17841), (967, 17892), (992, 17979), (1000, 17997),

Gene: Biskit_19 Start: 15377, Stop: 17077, Start Num: 141
Candidate Starts for Biskit_19:
(122, 15350), (Start: 141 @15377 has 37 MA's), (Start: 151 @15380 has 50 MA's), (287, 15590), (395, 15758), (400, 15764), (456, 15872), (462, 15881), (477, 15908), (488, 15938), (495, 15953), (525, 15986), (530, 15998), (543, 16034), (567, 16091), (571, 16103), (666, 16268), (731, 16418), (736, 16433), (744, 16451), (767, 16508), (832, 16637), (835, 16649), (841, 16667), (853, 16676), (878, 16748), (879, 16751), (881, 16757), (885, 16769), (925, 16874), (931, 16883), (945, 16916),

Gene: Bizzy_35 Start: 29879, Stop: 31642, Start Num: 111
Candidate Starts for Bizzy_35:
(Start: 111 @29879 has 74 MA's), (Start: 131 @29915 has 1 MA's), (232, 30044), (238, 30053), (285, 30149), (289, 30158), (340, 30227), (367, 30278), (395, 30323), (406, 30338), (414, 30356), (448, 30419), (475, 30464), (478, 30473), (541, 30584), (543, 30593), (550, 30608), (553, 30617), (562, 30632), (571, 30662), (689, 30884), (695, 30902), (699, 30917), (730, 30959), (731, 30962), (740, 30989), (785, 31109), (879, 31313), (880, 31316), (896, 31364), (909, 31391), (917, 31418), (943, 31472), (952, 31499),

Gene: Bjanes7_17 Start: 14751, Stop: 16460, Start Num: 216
Candidate Starts for Bjanes7_17:
(115, 14616), (Start: 216 @14751 has 31 MA's), (304, 14940), (305, 14943), (347, 15018), (376, 15072), (417, 15141), (423, 15153), (469, 15231), (471, 15234), (526, 15366), (547, 15420), (571, 15471), (583, 15501), (613, 15561), (634, 15573), (663, 15609), (704, 15726), (714, 15744), (731, 15783), (768, 15879), (825, 15987), (931, 16263), (933, 16266), (951, 16314), (965, 16344),

Gene: Blackbeetle_50 Start: 26718, Stop: 28430, Start Num: 175
Candidate Starts for Blackbeetle_50:
(122, 26655), (Start: 175 @26718 has 56 MA's), (Start: 233 @26799 has 1 MA's), (266, 26856), (296, 26937), (298, 26943), (339, 27000), (342, 27012), (346, 27024), (367, 27063), (376, 27078), (417, 27147), (445, 27201), (449, 27210), (539, 27366), (562, 27414), (564, 27423), (567, 27432), (581, 27471), (590, 27486), (636, 27549), (644, 27561), (689, 27678), (690, 27681), (712, 27732), (729, 27759), (731, 27762), (738, 27783), (758, 27825), (820, 27945), (826, 27963), (881, 28107), (896, 28152), (905, 28170), (942, 28254), (945, 28263), (951, 28281), (961, 28302), (977, 28347), (979, 28353), (983, 28365), (986, 28377), (990, 28389), (998, 28413), (1002, 28419),

Gene: Blackmoor_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Blackmoor_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Blarby_20 Start: 14264, Stop: 15928, Start Num: 159
Candidate Starts for Blarby_20:
(Start: 159 @14264 has 217 MA's), (221, 14345), (241, 14375), (Start: 260 @14408 has 1 MA's), (289, 14474), (327, 14513), (333, 14525), (342, 14549), (374, 14606), (377, 14609), (395, 14639), (397, 14642), (421, 14687), (430, 14705), (449, 14741), (475, 14783), (543, 14915), (548, 14927), (550, 14930), (553, 14939), (567, 14972), (571, 14984), (579, 15008), (731, 15281), (735, 15293), (761, 15338), (767, 15359), (878, 15599), (879, 15602), (880, 15605), (945, 15767), (954, 15791), (976, 15851), (994, 15914),

Gene: BlessJoy_31 Start: 19971, Stop: 21743, Start Num: 156
Candidate Starts for BlessJoy_31:
(110, 19905), (Start: 136 @19947 has 48 MA's), (Start: 156 @19971 has 559 MA's), (325, 20208), (366, 20280), (367, 20283), (376, 20298), (402, 20337), (406, 20343), (465, 20454), (469, 20460), (484, 20499), (508, 20541), (536, 20580), (550, 20622), (556, 20625), (615, 20781), (684, 20922), (689, 20937), (777, 21150), (828, 21249), (835, 21276), (852, 21327), (855, 21336), (866, 21375), (869, 21390), (899, 21474), (943, 21579), (945, 21585), (992, 21720),

Gene: Blessica_57 Start: 33788, Stop: 35524, Start Num: 126
Candidate Starts for Blessica_57:
(Start: 120 @33779 has 2 MA's), (Start: 126 @33788 has 26 MA's), (Start: 195 @33878 has 1 MA's), (266, 33995), (282, 34031), (291, 34052), (299, 34079), (301, 34085), (322, 34115), (336, 34139), (363, 34190), (437, 34328), (440, 34334), (472, 34385), (473, 34388), (482, 34406), (558, 34457), (566, 34478), (567, 34481), (589, 34529), (591, 34535), (605, 34583), (607, 34589), (611, 34595), (632, 34655), (648, 34679), (650, 34682), (666, 34727), (671, 34742), (674, 34751), (677, 34760), (693, 34805), (704, 34823), (721, 34856), (812, 34994), (820, 35015), (840, 35081), (848, 35111), (865, 35165), (878, 35207), (885, 35228), (892, 35249), (896, 35261), (907, 35282), (928, 35336), (971, 35414), (980, 35450), (986, 35471), (993, 35498),

Gene: Blexus_16 Start: 14994, Stop: 16703, Start Num: 142
Candidate Starts for Blexus_16:
(Start: 142 @14994 has 207 MA's), (215, 15081), (Start: 249 @15126 has 2 MA's), (258, 15150), (282, 15207), (299, 15255), (301, 15261), (309, 15279), (332, 15309), (390, 15414), (422, 15474), (434, 15495), (437, 15504), (450, 15528), (558, 15654), (564, 15669), (566, 15675), (580, 15711), (582, 15714), (589, 15726), (591, 15732), (605, 15780), (611, 15792), (614, 15798), (648, 15858), (653, 15870), (666, 15906), (670, 15918), (700, 15993), (704, 16002), (713, 16020), (715, 16026), (730, 16056), (806, 16161), (812, 16173), (825, 16209), (847, 16287), (878, 16386), (885, 16407), (896, 16440), (911, 16470), (919, 16500), (924, 16509), (928, 16515), (944, 16530), (945, 16533), (953, 16554), (955, 16557), (973, 16599), (980, 16629), (992, 16671),

Gene: BlingBling_19 Start: 16650, Stop: 18296, Start Num: 227
Candidate Starts for BlingBling_19:
(203, 16614), (Start: 227 @16650 has 45 MA's), (283, 16752), (318, 16830), (321, 16833), (374, 16929), (396, 16968), (435, 17049), (468, 17103), (475, 17118), (591, 17289), (600, 17319), (677,

17502), (686, 17526), (687, 17529), (700, 17577), (739, 17670), (744, 17682), (765, 17727), (799, 17742), (843, 17874), (844, 17877), (875, 17976), (881, 17994), (899, 18045), (925, 18111), (963, 18174), (968, 18186),

Gene: Blinn1_31 Start: 20042, Stop: 21814, Start Num: 156
Candidate Starts for Blinn1_31:
(110, 19976), (Start: 136 @20018 has 48 MA's), (Start: 156 @20042 has 559 MA's), (Start: 260 @20180 has 1 MA's), (286, 20240), (323, 20276), (325, 20279), (366, 20351), (367, 20354), (402, 20408), (406, 20414), (430, 20465), (465, 20525), (469, 20531), (484, 20570), (508, 20612), (536, 20651), (550, 20693), (556, 20696), (575, 20756), (684, 20993), (689, 21008), (731, 21089), (766, 21176), (777, 21221), (835, 21347), (855, 21407), (866, 21446), (867, 21449), (869, 21461), (899, 21545), (943, 21650), (945, 21656), (992, 21791),

Gene: Blino_19 Start: 16618, Stop: 18264, Start Num: 227
Candidate Starts for Blino_19:
(203, 16582), (Start: 227 @16618 has 45 MA's), (283, 16720), (318, 16798), (321, 16801), (374, 16897), (396, 16936), (435, 17017), (468, 17071), (475, 17086), (591, 17257), (600, 17287), (677, 17470), (686, 17494), (700, 17545), (739, 17638), (744, 17650), (765, 17695), (799, 17710), (843, 17842), (844, 17845), (875, 17944), (881, 17962), (899, 18013), (921, 18073), (925, 18079), (963, 18142), (968, 18154),

Gene: Blizzard_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Blizzard_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Blondies_18 Start: 15363, Stop: 17060, Start Num: 151
Candidate Starts for Blondies_18:
(122, 15333), (Start: 141 @15360 has 37 MA's), (Start: 151 @15363 has 50 MA's), (287, 15573), (395, 15741), (400, 15747), (430, 15807), (456, 15855), (462, 15864), (477, 15891), (488, 15921), (495, 15936), (525, 15969), (530, 15981), (543, 16017), (567, 16074), (571, 16086), (666, 16251), (731, 16401), (736, 16416), (744, 16434), (767, 16491), (832, 16620), (835, 16632), (841, 16650), (853, 16659), (878, 16731), (879, 16734), (881, 16740), (885, 16752), (925, 16857), (931, 16866), (945, 16899),

Gene: BluSpix_27 Start: 21113, Stop: 22915, Start Num: 159
Candidate Starts for BluSpix_27:
(Start: 159 @21113 has 217 MA's), (Start: 176 @21134 has 45 MA's), (Start: 204 @21176 has 1 MA's), (237, 21221), (367, 21437), (395, 21482), (402, 21491), (448, 21581), (449, 21584), (495, 21677), (556, 21779), (581, 21848), (674, 22049), (675, 22052), (683, 22073), (730, 22169), (731, 22172), (733, 22178), (762, 22247), (767, 22265), (769, 22274), (777, 22304), (821, 22400), (831, 22433), (835, 22448), (879, 22589), (899, 22646), (945, 22757),

Gene: Blue_27 Start: 21585, Stop: 23387, Start Num: 159
Candidate Starts for Blue_27:
(Start: 159 @21585 has 217 MA's), (Start: 176 @21606 has 45 MA's), (Start: 204 @21648 has 1 MA's), (237, 21693), (367, 21909), (395, 21954), (402, 21963), (448, 22053), (449, 22056), (495, 22149), (556, 22251), (581, 22320), (674, 22521), (675, 22524), (683, 22545), (730, 22641), (731, 22644), (733, 22650), (762, 22719), (767, 22737), (769, 22746), (777, 22776), (821, 22872), (831,

22905), (835, 22920), (879, 23061), (899, 23118), (945, 23229),

Gene: Blue7_31 Start: 19963, Stop: 21735, Start Num: 156
Candidate Starts for Blue7_31:
(110, 19897), (Start: 136 @19939 has 48 MA's), (Start: 156 @19963 has 559 MA's), (325, 20200), (366, 20272), (367, 20275), (376, 20290), (402, 20329), (406, 20335), (465, 20446), (469, 20452), (484, 20491), (508, 20533), (536, 20572), (550, 20614), (556, 20617), (615, 20773), (684, 20914), (689, 20929), (777, 21142), (828, 21241), (835, 21268), (852, 21319), (855, 21328), (866, 21367), (869, 21382), (899, 21466), (943, 21571), (945, 21577), (992, 21712),

Gene: BlueBird_28 Start: 19904, Stop: 21700, Start Num: 156
Candidate Starts for BlueBird_28:
(Start: 156 @19904 has 559 MA's), (Start: 204 @19961 has 1 MA's), (254, 20030), (Start: 303 @20132 has 11 MA's), (323, 20144), (325, 20147), (367, 20222), (376, 20237), (402, 20276), (475, 20411), (508, 20480), (567, 20594), (615, 20720), (674, 20834), (683, 20858), (689, 20876), (731, 20957), (762, 21032), (767, 21050), (769, 21059), (775, 21083), (777, 21089), (782, 21104), (800, 21137), (820, 21182), (821, 21185), (828, 21206), (831, 21218), (833, 21224), (850, 21281), (899, 21431), (911, 21455), (943, 21536), (945, 21542), (992, 21677),

Gene: BlueCrab_16 Start: 14976, Stop: 16685, Start Num: 142
Candidate Starts for BlueCrab_16:
(Start: 142 @14976 has 207 MA's), (215, 15063), (Start: 249 @15108 has 2 MA's), (258, 15132), (299, 15237), (301, 15243), (309, 15261), (332, 15291), (390, 15396), (422, 15456), (434, 15477), (437, 15486), (450, 15510), (558, 15636), (564, 15651), (566, 15657), (580, 15693), (582, 15696), (589, 15708), (591, 15714), (605, 15762), (611, 15774), (614, 15780), (648, 15840), (653, 15852), (666, 15888), (670, 15900), (700, 15975), (704, 15984), (713, 16002), (715, 16008), (730, 16038), (806, 16143), (810, 16152), (812, 16155), (825, 16191), (847, 16269), (878, 16368), (885, 16389), (896, 16422), (911, 16452), (919, 16482), (924, 16491), (928, 16497), (944, 16512), (945, 16515), (953, 16536), (955, 16539), (973, 16581), (980, 16611), (992, 16653),

Gene: BlueNGold_100 Start: 60020, Stop: 61648, Start Num: 175
Candidate Starts for BlueNGold_100:
(Start: 175 @60020 has 56 MA's), (187, 60035), (Start: 190 @60038 has 1 MA's), (210, 60065), (Start: 249 @60122 has 2 MA's), (263, 60158), (278, 60191), (291, 60221), (292, 60224), (324, 60293), (328, 60299), (416, 60464), (437, 60506), (442, 60515), (447, 60524), (452, 60536), (578, 60656), (648, 60809), (670, 60869), (733, 61016), (740, 61037), (746, 61052), (815, 61130), (819, 61136), (854, 61253), (858, 61268), (875, 61325), (885, 61355), (896, 61388), (956, 61508), (998, 61637),

Gene: Blueberry_21 Start: 16962, Stop: 18611, Start Num: 227
Candidate Starts for Blueberry_21:
(203, 16926), (Start: 227 @16962 has 45 MA's), (236, 16971), (283, 17067), (318, 17145), (360, 17217), (374, 17244), (396, 17283), (435, 17364), (468, 17418), (591, 17604), (600, 17634), (645, 17733), (677, 17817), (686, 17841), (700, 17892), (739, 17985), (744, 17997), (765, 18042), (799, 18057), (843, 18189), (844, 18192), (875, 18291), (881, 18309), (899, 18360), (921, 18420), (925, 18426), (968, 18501),

Gene: Bluefalcon_23 Start: 19814, Stop: 21613, Start Num: 156
Candidate Starts for Bluefalcon_23:
(Start: 156 @19814 has 559 MA's), (Start: 260 @19952 has 1 MA's), (325, 20051), (367, 20126), (400, 20177), (436, 20249), (445, 20264), (465, 20297), (469, 20303), (522, 20396), (567, 20498), (575, 20528), (579, 20534), (615, 20624), (635, 20654), (670, 20726), (674, 20738), (675, 20741), (689, 20780), (694, 20798), (730, 20858), (731, 20861), (752, 20912), (767, 20954), (820, 21095), (833, 21137), (945, 21455), (992, 21590),

Gene: Bob3_26 Start: 20673, Stop: 22475, Start Num: 159
Candidate Starts for Bob3_26:
(Start: 159 @20673 has 217 MA's), (Start: 176 @20694 has 45 MA's), (Start: 204 @20736 has 1 MA's), (237, 20781), (367, 20997), (395, 21042), (402, 21051), (421, 21090), (448, 21141), (449, 21144), (556, 21339), (581, 21408), (674, 21609), (675, 21612), (683, 21633), (730, 21729), (731, 21732), (733, 21738), (762, 21807), (767, 21825), (769, 21834), (777, 21864), (821, 21960), (831, 21993), (835, 22008), (879, 22149), (899, 22206), (945, 22317),

Gene: BobBob_32 Start: 29751, Stop: 31514, Start Num: 111
Candidate Starts for BobBob_32:
(104, 29733), (Start: 111 @29751 has 74 MA's), (Start: 131 @29787 has 1 MA's), (238, 29925), (285, 30021), (289, 30030), (340, 30099), (367, 30150), (395, 30195), (406, 30210), (448, 30291), (475, 30336), (478, 30345), (535, 30435), (543, 30465), (550, 30480), (562, 30504), (571, 30534), (641, 30639), (689, 30756), (695, 30774), (699, 30789), (723, 30819), (730, 30831), (731, 30834), (740, 30861), (879, 31185), (880, 31188), (896, 31236), (909, 31263), (917, 31290), (943, 31344), (952, 31371), (1000, 31509),

Gene: BobSwaget_31 Start: 21794, Stop: 23590, Start Num: 136
Candidate Starts for BobSwaget_31:
(Start: 136 @21794 has 48 MA's), (Start: 156 @21818 has 559 MA's), (281, 22001), (323, 22052), (325, 22055), (366, 22127), (367, 22130), (402, 22184), (421, 22223), (465, 22301), (508, 22388), (550, 22469), (556, 22472), (571, 22514), (635, 22658), (669, 22721), (675, 22745), (689, 22784), (731, 22865), (777, 22997), (831, 23108), (835, 23123), (837, 23129), (855, 23183), (866, 23222), (869, 23237), (881, 23270), (899, 23321), (933, 23399), (943, 23426), (945, 23432), (968, 23486),

Gene: BobaPhett_16 Start: 14804, Stop: 16513, Start Num: 142
Candidate Starts for BobaPhett_16:
(Start: 142 @14804 has 207 MA's), (215, 14891), (Start: 249 @14936 has 2 MA's), (258, 14960), (282, 15017), (299, 15065), (301, 15071), (309, 15089), (332, 15119), (390, 15224), (419, 15278), (422, 15284), (425, 15293), (437, 15314), (450, 15338), (473, 15374), (475, 15380), (535, 15413), (536, 15416), (539, 15425), (544, 15440), (546, 15446), (558, 15464), (564, 15479), (566, 15485), (572, 15503), (573, 15506), (580, 15521), (589, 15536), (591, 15542), (605, 15590), (611, 15602), (614, 15608), (648, 15668), (653, 15680), (666, 15716), (670, 15728), (700, 15803), (704, 15812), (713, 15830), (715, 15836), (730, 15866), (806, 15971), (812, 15983), (825, 16019), (847, 16097), (885, 16217), (896, 16250), (911, 16280), (913, 16292), (919, 16310), (922, 16316), (924, 16319), (928, 16325), (944, 16340), (945, 16343), (953, 16364), (955, 16367), (973, 16409), (980, 16439), (992, 16481), (993, 16487),

Gene: Bobby_38 Start: 28176, Stop: 30174, Start Num: 141
Candidate Starts for Bobby_38:
(Start: 141 @28176 has 37 MA's), (Start: 212 @28266 has 47 MA's), (245, 28314), (258, 28344), (272, 28371), (317, 28473), (334, 28503), (354, 28554), (385, 28602), (407, 28638), (409, 28644), (420, 28665), (457, 28737), (464, 28746), (475, 28767), (566, 28875), (567, 28878), (572, 28893), (591, 28932), (605, 28980), (611, 28992), (614, 28998), (630, 29046), (635, 29055), (650, 29076), (658, 29094), (673, 29142), (713, 29244), (746, 29316), (766, 29361), (768, 29373), (795, 29508), (796, 29514), (797, 29538), (798, 29610), (804, 29637), (886, 29886),

Gene: Bobi_18 Start: 15396, Stop: 17105, Start Num: 142
Candidate Starts for Bobi_18:
(Start: 142 @15396 has 207 MA's), (215, 15483), (Start: 249 @15528 has 2 MA's), (258, 15552), (299, 15657), (301, 15663), (309, 15681), (332, 15711), (390, 15816), (422, 15876), (434, 15897), (437, 15906), (450, 15930), (558, 16056), (564, 16071), (566, 16077), (580, 16113), (582, 16116), (589,

16128), (591, 16134), (605, 16182), (611, 16194), (614, 16200), (648, 16260), (653, 16272), (666, 16308), (670, 16320), (700, 16395), (704, 16404), (713, 16422), (715, 16428), (730, 16458), (806, 16563), (810, 16572), (812, 16575), (825, 16611), (847, 16689), (878, 16788), (885, 16809), (896, 16842), (911, 16872), (919, 16902), (924, 16911), (928, 16917), (944, 16932), (945, 16935), (955, 16959), (968, 16989), (973, 17001), (980, 17031), (992, 17073),

Gene: Bobquesha_25 Start: 18364, Stop: 20154, Start Num: 176
Candidate Starts for Bobquesha_25:
(Start: 146 @18328 has 1 MA's), (Start: 171 @18358 has 28 MA's), (Start: 176 @18364 has 45 MA's), (Start: 178 @18367 has 139 MA's), (228, 18424), (256, 18472), (272, 18511), (277, 18526), (284, 18544), (295, 18577), (311, 18607), (335, 18652), (342, 18670), (371, 18742), (376, 18748), (395, 18778), (397, 18781), (430, 18844), (436, 18856), (498, 18991), (534, 19039), (536, 19045), (541, 19063), (557, 19093), (571, 19132), (647, 19258), (670, 19318), (671, 19321), (683, 19354), (751, 19522), (769, 19576), (782, 19621), (808, 19666), (821, 19690), (831, 19723), (841, 19756), (853, 19765), (875, 19828), (879, 19840), (896, 19891), (899, 19897), (951, 19999), (993, 20125), (1004, 20146),

Gene: BobsGarage_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for BobsGarage_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Bock_22 Start: 17353, Stop: 19059, Start Num: 222
Candidate Starts for Bock_22:
(Start: 164 @17278 has 1 MA's), (Start: 222 @17353 has 16 MA's), (272, 17446), (277, 17461), (280, 17467), (309, 17542), (343, 17614), (397, 17725), (421, 17770), (430, 17788), (436, 17800), (494, 17920), (534, 17971), (537, 17980), (539, 17986), (551, 18019), (576, 18082), (599, 18133), (630, 18157), (644, 18181), (674, 18256), (688, 18295), (747, 18427), (784, 18541), (831, 18628), (878, 18742), (881, 18751), (925, 18856), (969, 18943), (1004, 19051),

Gene: BodEinwohner17_16 Start: 14976, Stop: 16685, Start Num: 142
Candidate Starts for BodEinwohner17_16:
(Start: 142 @14976 has 207 MA's), (215, 15063), (Start: 249 @15108 has 2 MA's), (258, 15132), (299, 15237), (301, 15243), (309, 15261), (332, 15291), (390, 15396), (422, 15456), (434, 15477), (437, 15486), (450, 15510), (558, 15636), (564, 15651), (566, 15657), (580, 15693), (582, 15696), (589, 15708), (591, 15714), (605, 15762), (611, 15774), (614, 15780), (648, 15840), (653, 15852), (666, 15888), (670, 15900), (700, 15975), (704, 15984), (713, 16002), (715, 16008), (730, 16038), (806, 16143), (812, 16155), (825, 16191), (847, 16269), (878, 16368), (885, 16389), (896, 16422), (911, 16452), (919, 16482), (924, 16491), (928, 16497), (944, 16512), (945, 16515), (953, 16536), (955, 16539), (973, 16581), (980, 16611), (992, 16653),

Gene: Bogie_18 Start: 16084, Stop: 17844, Start Num: 121
Candidate Starts for Bogie_18:
(Start: 121 @16084 has 6 MA's), (Start: 137 @16108 has 45 MA's), (Start: 186 @16168 has 1 MA's), (198, 16189), (201, 16192), (274, 16312), (290, 16351), (300, 16384), (317, 16408), (382, 16528), (405, 16567), (407, 16573), (447, 16657), (450, 16663), (457, 16675), (473, 16699), (485, 16726), (538, 16744), (555, 16783), (558, 16789), (567, 16813), (591, 16867), (594, 16879), (597, 16888), (621, 16948), (658, 17026), (670, 17065), (682, 17098), (704, 17164), (711, 17179), (715, 17188), (726, 17212), (740, 17242), (746, 17254), (822, 17356), (827, 17368), (828, 17371), (830, 17377),

(832, 17386), (865, 17494), (892, 17578), (937, 17677), (983, 17785), (998, 17833),

Gene: BogosyJay_29 Start: 21309, Stop: 23099, Start Num: 156
Candidate Starts for BogosyJay_29:
(Start: 136 @21285 has 48 MA's), (Start: 156 @21309 has 559 MA's), (323, 21543), (325, 21546), (366, 21618), (367, 21621), (376, 21636), (402, 21675), (406, 21681), (445, 21759), (465, 21792), (508, 21879), (550, 21960), (556, 21963), (603, 22089), (669, 22212), (671, 22224), (675, 22236), (677, 22242), (689, 22275), (731, 22356), (775, 22482), (800, 22536), (802, 22542), (821, 22584), (824, 22593), (831, 22617), (835, 22632), (842, 22656), (855, 22692), (866, 22731), (869, 22746), (899, 22830), (943, 22935), (945, 22941), (964, 22986), (983, 23043),

Gene: Boiiii_23 Start: 17190, Stop: 18956, Start Num: 178
Candidate Starts for Boiiii_23:
(Start: 178 @17190 has 139 MA's), (198, 17220), (284, 17379), (295, 17412), (311, 17442), (329, 17475), (335, 17487), (371, 17577), (400, 17619), (436, 17691), (441, 17700), (465, 17739), (484, 17784), (491, 17805), (492, 17808), (527, 17862), (536, 17880), (551, 17922), (557, 17928), (567, 17955), (647, 18093), (656, 18111), (670, 18153), (676, 18171), (688, 18201), (702, 18228), (751, 18333), (821, 18492), (832, 18528), (841, 18558), (853, 18567), (879, 18642), (896, 18693), (983, 18888), (993, 18927), (994, 18930), (1004, 18948),

Gene: Boilgate_20 Start: 17568, Stop: 19349, Start Num: 178
Candidate Starts for Boilgate_20:
(Start: 171 @17559 has 28 MA's), (Start: 176 @17565 has 45 MA's), (Start: 178 @17568 has 139 MA's), (237, 17631), (256, 17667), (277, 17721), (295, 17772), (311, 17802), (369, 17931), (371, 17937), (376, 17943), (395, 17973), (430, 18039), (436, 18051), (527, 18222), (536, 18240), (557, 18288), (567, 18315), (571, 18327), (579, 18351), (647, 18453), (649, 18456), (670, 18513), (677, 18534), (683, 18549), (696, 18588), (724, 18657), (751, 18717), (784, 18825), (808, 18861), (821, 18885), (841, 18951), (853, 18960), (875, 19023), (879, 19035), (899, 19092), (915, 19134), (943, 19170), (980, 19272), (993, 19320), (1004, 19341),

Gene: Bombitas_33 Start: 26624, Stop: 28357, Start Num: 141
Candidate Starts for Bombitas_33:
(Start: 141 @26624 has 37 MA's), (Start: 212 @26714 has 47 MA's), (245, 26762), (258, 26792), (272, 26819), (317, 26921), (334, 26951), (385, 27050), (407, 27086), (409, 27092), (420, 27113), (457, 27185), (464, 27194), (475, 27215), (546, 27284), (566, 27323), (567, 27326), (572, 27341), (591, 27380), (605, 27428), (611, 27440), (614, 27446), (630, 27494), (635, 27503), (650, 27524), (658, 27542), (673, 27590), (713, 27692), (740, 27752), (746, 27764), (819, 27848), (821, 27860), (822, 27866), (827, 27878), (828, 27881), (839, 27920), (844, 27938), (857, 27974), (858, 27980), (885, 28067), (918, 28157), (948, 28199), (958, 28217), (969, 28247), (981, 28289), (998, 28343),

Gene: Bombshell_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Bombshell_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Bonamassa_24 Start: 19658, Stop: 21454, Start Num: 156
Candidate Starts for Bonamassa_24:

(Start: 156 @19658 has 559 MA's), (241, 19763), (Start: 260 @19796 has 1 MA's), (325, 19895), (367, 19970), (376, 19985), (400, 20021), (436, 20093), (445, 20108), (469, 20147), (479, 20174), (488, 20195), (519, 20234), (575, 20372), (579, 20378), (644, 20513), (670, 20570), (671, 20573), (674, 20582), (689, 20624), (694, 20642), (730, 20702), (731, 20705), (767, 20798), (769, 20807), (775, 20831), (820, 20939), (831, 20975), (899, 21185), (942, 21287), (945, 21296), (986, 21410), (992, 21431), (994, 21440),

Gene: Bonanza_23 Start: 16308, Stop: 17948, Start Num: 171
Candidate Starts for Bonanza_23:
(Start: 171 @16308 has 28 MA's), (Start: 182 @16323 has 32 MA's), (232, 16392), (256, 16428), (367, 16614), (439, 16743), (465, 16785), (478, 16812), (486, 16836), (495, 16854), (525, 16884), (534, 16899), (556, 16950), (590, 17034), (669, 17151), (675, 17175), (730, 17289), (748, 17337), (762, 17367), (772, 17406), (775, 17418), (808, 17448), (835, 17526), (894, 17673), (904, 17697), (917, 17733), (938, 17772), (998, 17940),

Gene: Bones_27 Start: 21039, Stop: 22841, Start Num: 159
Candidate Starts for Bones_27:
(Start: 159 @21039 has 217 MA's), (Start: 176 @21060 has 45 MA's), (Start: 204 @21102 has 1 MA's), (237, 21147), (367, 21363), (395, 21408), (402, 21417), (448, 21507), (449, 21510), (556, 21705), (581, 21774), (670, 21963), (674, 21975), (675, 21978), (683, 21999), (730, 22095), (731, 22098), (733, 22104), (762, 22173), (767, 22191), (769, 22200), (777, 22230), (821, 22326), (831, 22359), (835, 22374), (879, 22515), (899, 22572), (945, 22683), (1000, 22836),

Gene: Bongo_28 Start: 22368, Stop: 24104, Start Num: 161
Candidate Starts for Bongo_28:
(69, 22146), (Start: 119 @22326 has 3 MA's), (Start: 128 @22341 has 2 MA's), (Start: 161 @22368 has 14 MA's), (Start: 176 @22383 has 45 MA's), (201, 22422), (223, 22452), (Start: 227 @22458 has 45 MA's), (237, 22470), (291, 22575), (295, 22590), (323, 22629), (389, 22752), (395, 22761), (445, 22857), (471, 22899), (473, 22902), (562, 23079), (610, 23190), (636, 23217), (669, 23289), (670, 23298), (671, 23301), (675, 23313), (730, 23433), (731, 23436), (746, 23478), (761, 23508), (764, 23514), (824, 23634), (826, 23640), (969, 23994), (977, 24021), (983, 24039), (985, 24048),

Gene: Bonum_44 Start: 30146, Stop: 31762, Start Num: 202
Candidate Starts for Bonum_44:
(Start: 202 @30146 has 36 MA's), (277, 30260), (313, 30344), (417, 30527), (458, 30593), (469, 30608), (481, 30632), (519, 30719), (535, 30749), (536, 30752), (562, 30809), (590, 30881), (663, 30986), (704, 31073), (728, 31121), (773, 31247), (785, 31283), (861, 31394), (885, 31469), (968, 31646), (980, 31688), (998, 31745),

Gene: Boohoo_30 Start: 19096, Stop: 20883, Start Num: 156
Candidate Starts for Boohoo_30:
(110, 19030), (Start: 136 @19072 has 48 MA's), (Start: 156 @19096 has 559 MA's), (Start: 260 @19234 has 1 MA's), (285, 19291), (325, 19333), (344, 19369), (367, 19408), (409, 19477), (421, 19501), (449, 19555), (536, 19705), (556, 19750), (567, 19780), (579, 19816), (600, 19867), (613, 19903), (644, 19951), (671, 20011), (730, 20140), (762, 20218), (835, 20419), (837, 20425), (867, 20521), (929, 20686), (971, 20785),

Gene: Boomer_17 Start: 14621, Stop: 16330, Start Num: 142
Candidate Starts for Boomer_17:
(Start: 142 @14621 has 207 MA's), (215, 14708), (Start: 249 @14753 has 2 MA's), (258, 14777), (282, 14834), (299, 14882), (301, 14888), (309, 14906), (332, 14936), (390, 15041), (419, 15095), (422, 15101), (425, 15110), (434, 15122), (437, 15131), (450, 15155), (473, 15191), (475, 15197), (482, 15209), (535, 15230), (536, 15233), (539, 15242), (544, 15257), (546, 15263), (558, 15281), (564,

15296), (566, 15302), (572, 15320), (573, 15323), (580, 15338), (589, 15353), (591, 15359), (600, 15389), (605, 15407), (611, 15419), (614, 15425), (648, 15485), (653, 15497), (666, 15533), (670, 15545), (677, 15566), (700, 15620), (704, 15629), (715, 15653), (730, 15683), (806, 15788), (812, 15800), (825, 15836), (836, 15875), (847, 15914), (878, 16013), (885, 16034), (896, 16067), (911, 16097), (919, 16127), (924, 16136), (928, 16142), (944, 16157), (945, 16160), (953, 16181), (955, 16184), (973, 16226), (980, 16256), (992, 16298),

Gene: Boopy_101 Start: 60032, Stop: 61660, Start Num: 175
Candidate Starts for Boopy_101:
(Start: 175 @60032 has 56 MA's), (187, 60047), (Start: 190 @60050 has 1 MA's), (210, 60077), (Start: 249 @60134 has 2 MA's), (263, 60170), (278, 60203), (291, 60233), (292, 60236), (324, 60305), (328, 60311), (416, 60476), (437, 60518), (442, 60527), (447, 60536), (452, 60548), (578, 60668), (648, 60821), (670, 60881), (733, 61028), (740, 61049), (746, 61064), (815, 61142), (819, 61148), (854, 61265), (858, 61280), (875, 61337), (885, 61367), (896, 61400), (956, 61520), (998, 61649),

Gene: BoostSeason_19 Start: 15039, Stop: 16808, Start Num: 176
Candidate Starts for BoostSeason_19:
(Start: 146 @15003 has 1 MA's), (Start: 171 @15033 has 28 MA's), (Start: 176 @15039 has 45 MA's), (Start: 195 @15054 has 1 MA's), (228, 15096), (256, 15144), (272, 15183), (277, 15198), (295, 15249), (311, 15279), (329, 15312), (335, 15324), (342, 15342), (371, 15414), (376, 15420), (430, 15516), (436, 15528), (485, 15624), (536, 15717), (551, 15759), (557, 15765), (571, 15804), (579, 15828), (587, 15840), (647, 15930), (651, 15939), (671, 15993), (682, 16023), (730, 16134), (751, 16185), (784, 16293), (841, 16407), (853, 16416), (879, 16491), (896, 16542), (899, 16548), (948, 16644), (972, 16698), (993, 16779), (1004, 16800),

Gene: Bora_54 Start: 33145, Stop: 34881, Start Num: 126
Candidate Starts for Bora_54:
(Start: 120 @33136 has 2 MA's), (Start: 126 @33145 has 26 MA's), (Start: 195 @33235 has 1 MA's), (266, 33352), (282, 33388), (291, 33409), (299, 33436), (301, 33442), (322, 33472), (336, 33496), (363, 33547), (437, 33685), (440, 33691), (472, 33742), (473, 33745), (482, 33763), (558, 33814), (566, 33835), (567, 33838), (589, 33886), (591, 33892), (605, 33940), (607, 33946), (611, 33952), (632, 34012), (648, 34036), (650, 34039), (666, 34084), (671, 34099), (674, 34108), (677, 34117), (693, 34162), (704, 34180), (721, 34213), (812, 34351), (820, 34372), (840, 34438), (848, 34468), (865, 34522), (878, 34564), (885, 34585), (892, 34606), (896, 34618), (907, 34639), (928, 34693), (971, 34771), (980, 34807), (986, 34828), (993, 34855),

Gene: Bosection6_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Bosection6_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Bosnia_19 Start: 17764, Stop: 19362, Start Num: 213
Candidate Starts for Bosnia_19:
(Start: 213 @17764 has 53 MA's), (358, 18022), (367, 18040), (369, 18043), (406, 18097), (443, 18172), (479, 18241), (483, 18250), (488, 18262), (509, 18313), (521, 18340), (526, 18349), (528, 18352), (585, 18385), (613, 18442), (663, 18508), (700, 18619), (714, 18643), (730, 18679), (768, 18781), (784, 18838), (836, 18928), (933, 19168), (965, 19246),

Gene: BotCity_21 Start: 16426, Stop: 18123, Start Num: 156
Candidate Starts for BotCity_21:
(122, 16387), (Start: 156 @16426 has 559 MA's), (Start: 169 @16438 has 3 MA's), (223, 16516), (238, 16537), (266, 16585), (271, 16594), (286, 16636), (323, 16672), (346, 16729), (362, 16750), (377, 16777), (393, 16804), (473, 16945), (495, 17002), (522, 17029), (525, 17035), (543, 17083), (557, 17113), (570, 17149), (579, 17176), (581, 17179), (602, 17230), (636, 17257), (637, 17260), (654, 17287), (666, 17314), (691, 17386), (710, 17425), (743, 17479), (761, 17521), (783, 17596), (824, 17659), (832, 17686), (837, 17704), (875, 17788), (878, 17797), (879, 17800), (881, 17806), (887, 17821), (897, 17851), (900, 17857), (909, 17878), (911, 17881), (933, 17935), (945, 17965), (948, 17974), (970, 18025), (980, 18058), (984, 18070), (989, 18088),

Gene: BourbonZero_18 Start: 17371, Stop: 19134, Start Num: 136
Candidate Starts for BourbonZero_18:
(Start: 136 @17371 has 48 MA's), (Start: 161 @17398 has 14 MA's), (207, 17461), (241, 17509), (246, 17515), (269, 17551), (296, 17626), (346, 17713), (414, 17827), (419, 17839), (478, 17950), (556, 18094), (562, 18106), (567, 18124), (572, 18139), (674, 18328), (676, 18334), (695, 18391), (716, 18433), (724, 18442), (731, 18454), (762, 18529), (782, 18598), (785, 18610), (826, 18658), (858, 18724), (881, 18802), (896, 18847), (915, 18892), (919, 18904), (951, 18967), (963, 19003), (969, 19018), (977, 19048), (979, 19054), (983, 19066), (985, 19075), (989, 19087),

Gene: Bowser_19 Start: 16618, Stop: 18348, Start Num: 148
Candidate Starts for Bowser_19:
(85, 16501), (122, 16585), (Start: 131 @16597 has 1 MA's), (Start: 148 @16618 has 5 MA's), (Start: 303 @16855 has 11 MA's), (333, 16888), (448, 17101), (484, 17173), (506, 17215), (535, 17251), (543, 17281), (553, 17305), (570, 17347), (579, 17374), (581, 17377), (619, 17431), (622, 17437), (670, 17524), (786, 17815), (791, 17818), (837, 17926), (879, 18022), (885, 18040), (909, 18100), (933, 18157), (948, 18196), (949, 18199), (954, 18211), (981, 18286), (989, 18313),

Gene: Bowtie_28 Start: 20755, Stop: 22554, Start Num: 156
Candidate Starts for Bowtie_28:
(110, 20689), (Start: 136 @20731 has 48 MA's), (Start: 156 @20755 has 559 MA's), (Start: 196 @20797 has 2 MA's), (Start: 260 @20893 has 1 MA's), (269, 20908), (323, 20989), (325, 20992), (367, 21067), (376, 21082), (402, 21121), (406, 21127), (465, 21238), (469, 21244), (508, 21325), (556, 21409), (603, 21535), (609, 21553), (622, 21580), (689, 21721), (723, 21787), (730, 21799), (731, 21802), (774, 21925), (800, 21991), (813, 22018), (824, 22048), (825, 22051), (831, 22072), (835, 22087), (842, 22111), (866, 22186), (869, 22201), (899, 22285), (943, 22390), (945, 22396), (968, 22450), (1000, 22549),

Gene: BoyNamedSue_19 Start: 17776, Stop: 19374, Start Num: 213
Candidate Starts for BoyNamedSue_19:
(Start: 213 @17776 has 53 MA's), (358, 18034), (367, 18052), (369, 18055), (406, 18109), (443, 18184), (479, 18253), (483, 18262), (488, 18274), (491, 18286), (509, 18325), (521, 18352), (526, 18361), (528, 18364), (585, 18397), (613, 18454), (663, 18520), (700, 18631), (730, 18691), (768, 18793), (784, 18850), (836, 18940), (933, 19180), (965, 19258),

Gene: Bradissa_20 Start: 17713, Stop: 19419, Start Num: 157
Candidate Starts for Bradissa_20:
(Start: 137 @17689 has 45 MA's), (Start: 157 @17713 has 24 MA's), (197, 17761), (238, 17818), (262, 17860), (367, 18049), (445, 18196), (448, 18202), (475, 18247), (546, 18385), (577, 18460), (730, 18742), (737, 18763), (767, 18838), (809, 18925), (826, 18961), (835, 18994), (837, 19000), (868, 19066), (879, 19096), (943, 19252), (945, 19258), (951, 19276), (990, 19387),

Gene: Bradman_27 Start: 19074, Stop: 20864, Start Num: 156
Candidate Starts for Bradman_27:
(110, 19008), (Start: 136 @19050 has 48 MA's), (Start: 156 @19074 has 559 MA's), (Start: 260 @19212 has 1 MA's), (269, 19227), (323, 19308), (325, 19311), (366, 19383), (367, 19386), (402, 19440), (406, 19446), (414, 19464), (445, 19524), (465, 19557), (469, 19563), (484, 19602), (508, 19644), (550, 19725), (556, 19728), (575, 19788), (635, 19914), (674, 19998), (689, 20040), (712, 20091), (731, 20121), (775, 20247), (803, 20310), (831, 20382), (835, 20397), (842, 20421), (866, 20496), (869, 20511), (899, 20595), (943, 20700), (945, 20706), (951, 20724), (964, 20751), (968, 20760),

Gene: Bradshaw_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Bradshaw_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: BrainDrainer_19 Start: 16711, Stop: 18474, Start Num: 136
Candidate Starts for BrainDrainer_19:
(Start: 136 @16711 has 48 MA's), (246, 16852), (295, 16960), (296, 16963), (412, 17161), (414, 17164), (419, 17176), (430, 17197), (484, 17305), (501, 17335), (562, 17443), (572, 17476), (575, 17491), (588, 17512), (674, 17668), (695, 17731), (716, 17773), (724, 17782), (731, 17794), (746, 17836), (764, 17872), (826, 17998), (835, 18031), (878, 18133), (881, 18142), (888, 18160), (896, 18187), (919, 18244), (943, 18283), (951, 18307), (963, 18343), (969, 18358), (977, 18388), (985, 18415), (989, 18427), (994, 18448),

Gene: Bran_17 Start: 16323, Stop: 18020, Start Num: 132
Candidate Starts for Bran_17:
(Start: 132 @16323 has 8 MA's), (Start: 148 @16344 has 5 MA's), (Start: 212 @16428 has 47 MA's), (232, 16455), (237, 16461), (318, 16593), (346, 16644), (367, 16677), (382, 16701), (448, 16821), (469, 16854), (477, 16872), (503, 16926), (536, 16971), (562, 17028), (565, 17040), (577, 17079), (622, 17139), (637, 17160), (644, 17169), (670, 17226), (703, 17316), (758, 17424), (773, 17478), (775, 17484), (781, 17502), (837, 17598), (853, 17619), (869, 17664), (929, 17823), (939, 17838), (944, 17853), (948, 17865), (998, 18009),

Gene: Brandonk123_36 Start: 30817, Stop: 32580, Start Num: 111
Candidate Starts for Brandonk123_36:
(104, 30799), (Start: 111 @30817 has 74 MA's), (Start: 131 @30853 has 1 MA's), (238, 30991), (285, 31087), (289, 31096), (340, 31165), (367, 31216), (395, 31261), (406, 31276), (448, 31357), (475, 31402), (478, 31411), (535, 31501), (543, 31531), (550, 31546), (562, 31570), (571, 31600), (689, 31822), (695, 31840), (699, 31855), (723, 31885), (730, 31897), (731, 31900), (740, 31927), (879, 32251), (880, 32254), (896, 32302), (909, 32329), (917, 32356), (943, 32410), (952, 32437), (1000, 32575),

Gene: Braxoaddie_45 Start: 31342, Stop: 32916, Start Num: 211
Candidate Starts for Braxoaddie_45:
(Start: 211 @31342 has 16 MA's), (218, 31351), (256, 31405), (268, 31429), (277, 31432), (419, 31702), (458, 31765), (469, 31780), (529, 31897), (536, 31912), (562, 31969), (564, 31978), (577, 32020), (590, 32041), (600, 32071), (655, 32128), (690, 32203), (734, 32299), (773, 32404), (774, 32407), (783, 32434), (837, 32512), (861, 32551), (915, 32707), (954, 32773),

Gene: BreSam8_29 Start: 20372, Stop: 22168, Start Num: 156

Candidate Starts for BreSam8_29:
(Start: 156 @20372 has 559 MA's), (Start: 204 @20429 has 1 MA's), (215, 20444), (254, 20498), (259, 20513), (Start: 303 @20600 has 11 MA's), (323, 20612), (325, 20615), (367, 20690), (376, 20705), (400, 20741), (508, 20948), (581, 21101), (615, 21188), (674, 21302), (683, 21326), (689, 21344), (731, 21425), (762, 21500), (767, 21518), (775, 21551), (777, 21557), (790, 21596), (820, 21650), (821, 21653), (828, 21674), (844, 21731), (899, 21899), (943, 22004), (945, 22010), (992, 22145),

Gene: Breezona_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for Breezona_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Bricole_28 Start: 22354, Stop: 24090, Start Num: 161
Candidate Starts for Bricole_28:
(69, 22132), (Start: 119 @22312 has 3 MA's), (Start: 128 @22327 has 2 MA's), (Start: 161 @22354 has 14 MA's), (Start: 176 @22369 has 45 MA's), (201, 22408), (223, 22438), (Start: 227 @22444 has 45 MA's), (237, 22456), (291, 22561), (295, 22576), (323, 22615), (389, 22738), (395, 22747), (445, 22843), (471, 22885), (473, 22888), (477, 22900), (562, 23065), (610, 23176), (636, 23203), (669, 23275), (670, 23284), (671, 23287), (675, 23299), (730, 23419), (731, 23422), (746, 23464), (761, 23494), (764, 23500), (824, 23620), (826, 23626), (969, 23980), (977, 24007), (983, 24025), (985, 24034),

Gene: BritBrat_20 Start: 17542, Stop: 19272, Start Num: 137
Candidate Starts for BritBrat_20:
(Start: 137 @17542 has 45 MA's), (Start: 157 @17566 has 24 MA's), (238, 17671), (262, 17713), (302, 17788), (367, 17902), (445, 18049), (448, 18055), (475, 18100), (546, 18238), (577, 18313), (730, 18595), (737, 18616), (767, 18691), (809, 18778), (826, 18814), (835, 18847), (837, 18853), (868, 18919), (879, 18949), (943, 19105), (945, 19111), (951, 19129), (990, 19240),

Gene: Briton15_29 Start: 21386, Stop: 23188, Start Num: 159
Candidate Starts for Briton15_29:
(Start: 159 @21386 has 217 MA's), (Start: 176 @21407 has 45 MA's), (Start: 204 @21449 has 1 MA's), (237, 21494), (367, 21710), (395, 21755), (402, 21764), (421, 21803), (448, 21854), (449, 21857), (495, 21950), (556, 22052), (581, 22121), (670, 22310), (674, 22322), (675, 22325), (683, 22346), (730, 22442), (731, 22445), (733, 22451), (762, 22520), (767, 22538), (769, 22547), (777, 22577), (821, 22673), (831, 22706), (835, 22721), (879, 22862), (899, 22919), (945, 23030),

Gene: Brocalys_16 Start: 14792, Stop: 16501, Start Num: 142
Candidate Starts for Brocalys_16:
(Start: 142 @14792 has 207 MA's), (215, 14879), (Start: 249 @14924 has 2 MA's), (258, 14948), (299, 15053), (301, 15059), (309, 15077), (332, 15107), (390, 15212), (422, 15272), (434, 15293), (437, 15302), (450, 15326), (558, 15452), (564, 15467), (566, 15473), (580, 15509), (582, 15512), (589, 15524), (591, 15530), (605, 15578), (611, 15590), (614, 15596), (648, 15656), (653, 15668), (666, 15704), (670, 15716), (700, 15791), (704, 15800), (713, 15818), (715, 15824), (730, 15854), (806, 15959), (810, 15968), (812, 15971), (825, 16007), (847, 16085), (878, 16184), (885, 16205), (896, 16238), (911, 16268), (919, 16298), (924, 16307), (928, 16313), (944, 16328), (945, 16331), (955, 16355), (968, 16385), (973, 16397), (980, 16427), (992, 16469),

Gene: Bromden_19 Start: 17040, Stop: 18803, Start Num: 136

Candidate Starts for Bromden_19:
(Start: 136 @17040 has 48 MA's), (246, 17181), (266, 17211), (295, 17289), (296, 17292), (412, 17490), (414, 17493), (419, 17505), (484, 17634), (501, 17664), (519, 17685), (562, 17772), (564, 17781), (575, 17820), (588, 17841), (674, 17997), (695, 18060), (716, 18102), (724, 18111), (731, 18123), (764, 18201), (826, 18327), (835, 18360), (878, 18462), (881, 18471), (888, 18489), (896, 18516), (919, 18573), (951, 18636), (963, 18672), (969, 18687), (977, 18717), (985, 18744), (989, 18756), (994, 18777),

Gene: Brookers_17 Start: 14663, Stop: 16372, Start Num: 142
Candidate Starts for Brookers_17:
(Start: 142 @14663 has 207 MA's), (215, 14750), (Start: 249 @14795 has 2 MA's), (258, 14819), (299, 14924), (301, 14930), (309, 14948), (332, 14978), (390, 15083), (422, 15143), (434, 15164), (437, 15173), (450, 15197), (535, 15272), (536, 15275), (558, 15323), (564, 15338), (566, 15344), (580, 15380), (582, 15383), (589, 15395), (591, 15401), (605, 15449), (611, 15461), (614, 15467), (648, 15527), (653, 15539), (666, 15575), (670, 15587), (700, 15662), (704, 15671), (713, 15689), (715, 15695), (730, 15725), (806, 15830), (810, 15839), (812, 15842), (825, 15878), (847, 15956), (878, 16055), (885, 16076), (896, 16109), (911, 16139), (919, 16169), (924, 16178), (928, 16184), (944, 16199), (945, 16202), (955, 16226), (968, 16256), (973, 16268), (980, 16298), (992, 16340),

Gene: Broseidon_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Broseidon_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: BruceB_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for BruceB_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Bruin_24 Start: 19853, Stop: 21448, Start Num: 212
Candidate Starts for Bruin_24:
(Start: 147 @19769 has 120 MA's), (Start: 212 @19853 has 47 MA's), (Start: 260 @19931 has 1 MA's), (296, 20018), (301, 20033), (332, 20081), (349, 20120), (405, 20207), (420, 20240), (437, 20276), (454, 20306), (457, 20312), (538, 20381), (561, 20411), (565, 20423), (566, 20426), (591, 20483), (650, 20615), (651, 20621), (675, 20687), (677, 20693), (686, 20717), (704, 20765), (715, 20789), (721, 20798), (754, 20873), (810, 20924), (819, 20939), (867, 21101), (875, 21128), (885, 21158), (926, 21263), (971, 21341), (980, 21377), (983, 21386), (992, 21419), (998, 21434),

Gene: Bruiser_26 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Bruiser_26:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781),

(689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Brujita_19 Start: 16495, Stop: 18228, Start Num: 152
Candidate Starts for Brujita_19:
(Start: 152 @16495 has 6 MA's), (229, 16594), (236, 16603), (269, 16669), (278, 16693), (300, 16753), (301, 16756), (320, 16783), (419, 16963), (432, 16987), (437, 16999), (450, 17023), (558, 17149), (564, 17164), (567, 17173), (582, 17209), (591, 17227), (611, 17287), (670, 17413), (693, 17479), (700, 17488), (704, 17497), (715, 17521), (810, 17665), (827, 17710), (858, 17812), (860, 17821), (865, 17839), (866, 17842), (919, 18001), (930, 18019), (944, 18055), (948, 18070), (971, 18118), (990, 18187),

Gene: Bruns_26 Start: 21014, Stop: 22816, Start Num: 159
Candidate Starts for Bruns_26:
(Start: 159 @21014 has 217 MA's), (Start: 176 @21035 has 45 MA's), (Start: 204 @21077 has 1 MA's), (237, 21122), (367, 21338), (395, 21383), (402, 21392), (448, 21482), (449, 21485), (465, 21509), (495, 21578), (556, 21680), (581, 21749), (670, 21938), (674, 21950), (675, 21953), (683, 21974), (730, 22070), (731, 22073), (733, 22079), (762, 22148), (767, 22166), (769, 22175), (777, 22205), (821, 22301), (831, 22334), (835, 22349), (879, 22490), (899, 22547), (945, 22658),

Gene: Brusacoram_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Brusacoram_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Brushbloom_18 Start: 14687, Stop: 16396, Start Num: 142
Candidate Starts for Brushbloom_18:
(Start: 142 @14687 has 207 MA's), (215, 14774), (Start: 249 @14819 has 2 MA's), (258, 14843), (299, 14948), (301, 14954), (309, 14972), (332, 15002), (390, 15107), (422, 15167), (434, 15188), (437, 15197), (450, 15221), (558, 15347), (564, 15362), (566, 15368), (580, 15404), (582, 15407), (589, 15419), (591, 15425), (605, 15473), (611, 15485), (614, 15491), (648, 15551), (653, 15563), (666, 15599), (670, 15611), (700, 15686), (704, 15695), (713, 15713), (715, 15719), (730, 15749), (806, 15854), (810, 15863), (812, 15866), (825, 15902), (847, 15980), (878, 16079), (885, 16100), (896, 16133), (911, 16163), (919, 16193), (924, 16202), (928, 16208), (944, 16223), (945, 16226), (955, 16250), (968, 16280), (973, 16292), (980, 16322), (992, 16364),

Gene: BrutonGaster_36 Start: 25954, Stop: 27642, Start Num: 165
Candidate Starts for BrutonGaster_36:
(Start: 165 @25954 has 14 MA's), (207, 26014), (215, 26023), (229, 26047), (285, 26164), (287, 26170), (310, 26236), (340, 26284), (387, 26371), (392, 26377), (418, 26425), (420, 26428), (440, 26470), (564, 26575), (591, 26638), (592, 26644), (600, 26668), (670, 26830), (701, 26920), (746, 27028), (754, 27046), (806, 27088), (824, 27133), (826, 27139), (844, 27199), (875, 27298), (879, 27310), (882, 27319), (971, 27511), (981, 27550), (991, 27586), (1005, 27634),

Gene: Bryce_23 Start: 16323, Stop: 17948, Start Num: 182
Candidate Starts for Bryce_23:

(Start: 171 @16308 has 28 MA's), (Start: 182 @16323 has 32 MA's), (Start: 212 @16365 has 47 MA's), (232, 16392), (256, 16428), (367, 16614), (439, 16743), (465, 16785), (478, 16812), (486, 16836), (495, 16854), (525, 16884), (534, 16899), (556, 16950), (590, 17034), (669, 17151), (675, 17175), (730, 17289), (748, 17337), (762, 17367), (772, 17406), (775, 17418), (808, 17448), (835, 17526), (894, 17673), (904, 17697), (917, 17733), (938, 17772), (998, 17940),

Gene: Bryler_22 Start: 16350, Stop: 18116, Start Num: 178
Candidate Starts for Bryler_22:
(Start: 171 @16341 has 28 MA's), (Start: 178 @16350 has 139 MA's), (198, 16380), (272, 16506), (277, 16521), (284, 16539), (295, 16572), (311, 16602), (335, 16647), (371, 16737), (395, 16773), (436, 16851), (441, 16860), (484, 16944), (488, 16953), (491, 16965), (492, 16968), (498, 16986), (512, 17007), (527, 17022), (534, 17034), (536, 17040), (551, 17082), (557, 17088), (656, 17271), (676, 17331), (718, 17415), (724, 17433), (751, 17493), (774, 17568), (782, 17592), (821, 17652), (831, 17685), (832, 17688), (837, 17706), (853, 17727), (879, 17802), (896, 17853), (899, 17859), (908, 17880), (948, 17952), (971, 18003), (993, 18087), (994, 18090), (1004, 18108),

Gene: Brylie_22 Start: 17344, Stop: 19050, Start Num: 222
Candidate Starts for Brylie_22:
(Start: 164 @17269 has 1 MA's), (Start: 222 @17344 has 16 MA's), (272, 17437), (277, 17452), (280, 17458), (309, 17533), (343, 17605), (397, 17716), (421, 17761), (430, 17779), (436, 17791), (534, 17962), (537, 17971), (539, 17977), (551, 18010), (576, 18073), (599, 18124), (630, 18148), (644, 18172), (674, 18247), (688, 18286), (747, 18418), (784, 18532), (831, 18619), (878, 18733), (881, 18742), (925, 18847), (969, 18934), (1004, 19042),

Gene: BubbleTrouble_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for BubbleTrouble_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Bubbles123_17 Start: 15521, Stop: 17230, Start Num: 142
Candidate Starts for Bubbles123_17:
(Start: 142 @15521 has 207 MA's), (215, 15608), (Start: 249 @15653 has 2 MA's), (258, 15677), (299, 15782), (301, 15788), (309, 15806), (332, 15836), (390, 15941), (422, 16001), (434, 16022), (437, 16031), (450, 16055), (558, 16181), (564, 16196), (566, 16202), (580, 16238), (582, 16241), (589, 16253), (591, 16259), (605, 16307), (611, 16319), (614, 16325), (648, 16385), (653, 16397), (666, 16433), (670, 16445), (700, 16520), (704, 16529), (713, 16547), (715, 16553), (730, 16583), (806, 16688), (810, 16697), (812, 16700), (825, 16736), (847, 16814), (878, 16913), (885, 16934), (896, 16967), (911, 16997), (919, 17027), (924, 17036), (928, 17042), (944, 17057), (945, 17060), (955, 17084), (968, 17114), (973, 17126), (980, 17156), (992, 17198),

Gene: Buck_23 Start: 19702, Stop: 21381, Start Num: 147
Candidate Starts for Buck_23:
(Start: 147 @19702 has 120 MA's), (Start: 212 @19786 has 47 MA's), (Start: 260 @19864 has 1 MA's), (296, 19951), (301, 19966), (332, 20014), (349, 20053), (405, 20140), (420, 20173), (437, 20209), (454, 20239), (457, 20245), (538, 20314), (561, 20344), (565, 20356), (566, 20359), (591, 20416), (650, 20548), (651, 20554), (675, 20620), (677, 20626), (686, 20650), (704, 20698), (715, 20722), (721, 20731), (754, 20806), (810, 20857), (819, 20872), (867, 21034), (875, 21061), (885, 21091), (926, 21196), (971, 21274), (980, 21310), (983, 21319), (992, 21352), (998, 21367),

Gene: Bud_28 Start: 20761, Stop: 22560, Start Num: 156
Candidate Starts for Bud_28:
(110, 20695), (Start: 136 @20737 has 48 MA's), (Start: 156 @20761 has 559 MA's), (Start: 196 @20803 has 2 MA's), (Start: 260 @20899 has 1 MA's), (269, 20914), (323, 20995), (325, 20998), (367, 21073), (376, 21088), (402, 21127), (406, 21133), (430, 21184), (465, 21244), (469, 21250), (508, 21331), (556, 21415), (603, 21541), (609, 21559), (622, 21586), (689, 21727), (723, 21793), (730, 21805), (731, 21808), (800, 21997), (813, 22024), (819, 22033), (824, 22054), (825, 22057), (831, 22078), (835, 22093), (842, 22117), (866, 22192), (869, 22207), (899, 22291), (943, 22396), (945, 22402), (968, 22456), (1000, 22555),

Gene: Budski_20 Start: 16421, Stop: 18118, Start Num: 156
Candidate Starts for Budski_20:
(122, 16382), (Start: 156 @16421 has 559 MA's), (Start: 169 @16433 has 3 MA's), (Start: 195 @16472 has 1 MA's), (223, 16511), (238, 16532), (266, 16580), (271, 16589), (286, 16631), (323, 16667), (346, 16724), (377, 16772), (393, 16799), (473, 16940), (495, 16997), (506, 17015), (522, 17024), (525, 17030), (543, 17078), (557, 17108), (570, 17144), (572, 17150), (579, 17171), (581, 17174), (602, 17225), (636, 17252), (637, 17255), (654, 17282), (666, 17309), (691, 17381), (710, 17420), (743, 17474), (761, 17516), (783, 17591), (824, 17654), (832, 17681), (833, 17684), (837, 17699), (875, 17783), (878, 17792), (879, 17795), (881, 17801), (885, 17813), (887, 17816), (897, 17846), (900, 17852), (909, 17873), (911, 17876), (933, 17930), (945, 17960), (948, 17969), (970, 18020), (980, 18053), (984, 18065), (989, 18083),

Gene: Bugatti_27 Start: 19904, Stop: 21700, Start Num: 156
Candidate Starts for Bugatti_27:
(Start: 156 @19904 has 559 MA's), (Start: 204 @19961 has 1 MA's), (254, 20030), (Start: 303 @20132 has 11 MA's), (323, 20144), (325, 20147), (367, 20222), (376, 20237), (402, 20276), (475, 20411), (508, 20480), (567, 20594), (615, 20720), (674, 20834), (683, 20858), (689, 20876), (731, 20957), (762, 21032), (767, 21050), (769, 21059), (775, 21083), (777, 21089), (782, 21104), (800, 21137), (820, 21182), (821, 21185), (828, 21206), (831, 21218), (833, 21224), (850, 21281), (899, 21431), (911, 21455), (943, 21536), (945, 21542), (992, 21677),

Gene: Buggaboo_42 Start: 30625, Stop: 32241, Start Num: 202
Candidate Starts for Buggaboo_42:
(Start: 202 @30625 has 36 MA's), (Start: 211 @30637 has 16 MA's), (277, 30739), (313, 30823), (417, 31006), (458, 31072), (469, 31087), (481, 31111), (519, 31198), (535, 31228), (536, 31231), (562, 31288), (590, 31360), (663, 31465), (704, 31552), (728, 31600), (773, 31726), (785, 31762), (861, 31873), (885, 31948), (968, 32125), (980, 32167), (998, 32224),

Gene: BugsBunny_22 Start: 19419, Stop: 21014, Start Num: 212
Candidate Starts for BugsBunny_22:
(Start: 147 @19335 has 120 MA's), (Start: 212 @19419 has 47 MA's), (Start: 260 @19497 has 1 MA's), (296, 19584), (301, 19599), (332, 19647), (349, 19686), (405, 19773), (420, 19806), (437, 19842), (454, 19872), (457, 19878), (538, 19947), (561, 19977), (565, 19989), (566, 19992), (591, 20049), (650, 20181), (651, 20187), (675, 20253), (677, 20259), (686, 20283), (704, 20331), (715, 20355), (721, 20364), (754, 20439), (810, 20490), (819, 20505), (867, 20667), (875, 20694), (885, 20724), (926, 20829), (971, 20907), (980, 20943), (983, 20952), (992, 20985), (998, 21000),

Gene: Bugsy_30 Start: 20696, Stop: 22468, Start Num: 156
Candidate Starts for Bugsy_30:
(Start: 136 @20672 has 48 MA's), (Start: 156 @20696 has 559 MA's), (238, 20795), (281, 20879), (323, 20930), (325, 20933), (366, 21005), (367, 21008), (402, 21062), (421, 21101), (465, 21179), (508, 21266), (550, 21347), (556, 21350), (635, 21536), (675, 21623), (723, 21728), (731, 21743),

(775, 21869), (777, 21875), (808, 21923), (835, 22001), (837, 22007), (855, 22061), (866, 22100), (869, 22115), (899, 22199), (945, 22310),

Gene: Bumblebee11_27 Start: 19826, Stop: 21625, Start Num: 156
Candidate Starts for Bumblebee11_27:
(Start: 136 @19802 has 48 MA's), (Start: 156 @19826 has 559 MA's), (Start: 204 @19886 has 1 MA's), (254, 19955), (286, 20033), (Start: 303 @20057 has 11 MA's), (325, 20072), (344, 20108), (367, 20147), (376, 20162), (402, 20201), (449, 20294), (465, 20318), (508, 20405), (567, 20519), (581, 20558), (615, 20645), (644, 20690), (674, 20759), (683, 20783), (687, 20795), (731, 20882), (762, 20957), (767, 20975), (769, 20984), (775, 21008), (777, 21014), (782, 21029), (800, 21062), (820, 21107), (821, 21110), (828, 21131), (899, 21356), (933, 21434), (943, 21461), (945, 21467), (992, 21602),

Gene: Bunker_19 Start: 16748, Stop: 18478, Start Num: 151
Candidate Starts for Bunker_19:
(85, 16628), (122, 16712), (Start: 151 @16748 has 50 MA's), (333, 17018), (377, 17102), (484, 17303), (506, 17345), (535, 17381), (543, 17411), (553, 17435), (570, 17477), (579, 17504), (581, 17507), (619, 17561), (622, 17567), (670, 17654), (791, 17948), (825, 18014), (832, 18038), (837, 18056), (879, 18152), (885, 18170), (949, 18329), (981, 18416), (983, 18422), (989, 18443),

Gene: Bunnies_19 Start: 16407, Stop: 18143, Start Num: 137
Candidate Starts for Bunnies_19:
(Start: 121 @16383 has 6 MA's), (Start: 137 @16407 has 45 MA's), (Start: 186 @16467 has 1 MA's), (198, 16488), (201, 16491), (274, 16611), (290, 16650), (300, 16683), (317, 16707), (382, 16827), (405, 16866), (407, 16872), (447, 16956), (450, 16962), (457, 16974), (473, 16998), (485, 17025), (538, 17043), (555, 17082), (558, 17088), (567, 17112), (591, 17166), (594, 17178), (597, 17187), (621, 17247), (658, 17325), (670, 17364), (682, 17397), (704, 17463), (711, 17478), (715, 17487), (726, 17511), (740, 17541), (746, 17553), (822, 17655), (827, 17667), (828, 17670), (830, 17676), (832, 17685), (865, 17793), (892, 17877), (937, 17976), (983, 18084), (998, 18132),

Gene: Bunnybear_18 Start: 17781, Stop: 19379, Start Num: 213
Candidate Starts for Bunnybear_18:
(83, 17559), (89, 17580), (98, 17610), (123, 17664), (Start: 213 @17781 has 53 MA's), (358, 18039), (367, 18057), (369, 18060), (406, 18114), (423, 18153), (443, 18189), (479, 18258), (483, 18267), (509, 18330), (521, 18357), (526, 18366), (528, 18369), (585, 18402), (613, 18459), (631, 18465), (663, 18525), (690, 18603), (697, 18627), (700, 18636), (714, 18660), (730, 18696), (768, 18798), (784, 18855), (821, 18894), (822, 18900), (825, 18906), (836, 18945), (885, 19062), (933, 19185), (965, 19263),

Gene: Burger_26 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Burger_26:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Burnsey_18 Start: 15730, Stop: 17430, Start Num: 141
Candidate Starts for Burnsey_18:
(122, 15703), (Start: 141 @15730 has 37 MA's), (Start: 151 @15733 has 50 MA's), (287, 15943), (367, 16066), (400, 16117), (445, 16204), (449, 16213), (462, 16234), (473, 16249), (477, 16261), (525,

16339), (530, 16351), (541, 16378), (553, 16411), (567, 16444), (571, 16456), (590, 16498), (666, 16621), (691, 16693), (731, 16771), (736, 16786), (744, 16804), (767, 16861), (821, 16954), (832, 16990), (835, 17002), (837, 17008), (841, 17020), (853, 17029), (878, 17101), (879, 17104), (881, 17110), (885, 17122), (909, 17182), (925, 17227), (931, 17236), (945, 17269), (973, 17335),

Gene: Burton_28 Start: 21234, Stop: 23036, Start Num: 159
Candidate Starts for Burton_28:
(Start: 159 @21234 has 217 MA's), (Start: 176 @21255 has 45 MA's), (Start: 204 @21297 has 1 MA's), (237, 21342), (367, 21558), (395, 21603), (402, 21612), (421, 21651), (448, 21702), (449, 21705), (495, 21798), (556, 21900), (581, 21969), (674, 22170), (675, 22173), (683, 22194), (730, 22290), (731, 22293), (733, 22299), (762, 22368), (767, 22386), (769, 22395), (777, 22425), (821, 22521), (831, 22554), (835, 22569), (879, 22710), (899, 22767), (945, 22878),

Gene: Burwell21_16 Start: 14811, Stop: 16520, Start Num: 142
Candidate Starts for Burwell21_16:
(Start: 142 @14811 has 207 MA's), (215, 14898), (Start: 249 @14943 has 2 MA's), (258, 14967), (299, 15072), (301, 15078), (309, 15096), (332, 15126), (390, 15231), (419, 15285), (422, 15291), (425, 15300), (437, 15321), (450, 15345), (473, 15381), (475, 15387), (535, 15420), (536, 15423), (539, 15432), (544, 15447), (546, 15453), (558, 15471), (564, 15486), (566, 15492), (572, 15510), (573, 15513), (580, 15528), (589, 15543), (591, 15549), (605, 15597), (611, 15609), (614, 15615), (648, 15675), (653, 15687), (666, 15723), (670, 15735), (700, 15810), (704, 15819), (713, 15837), (715, 15843), (730, 15873), (806, 15978), (812, 15990), (825, 16026), (847, 16104), (885, 16224), (896, 16257), (911, 16287), (913, 16299), (919, 16317), (922, 16323), (924, 16326), (928, 16332), (944, 16347), (945, 16350), (953, 16371), (955, 16374), (973, 16416), (980, 16446), (992, 16488), (993, 16494),

Gene: Butters_18 Start: 14956, Stop: 16665, Start Num: 147
Candidate Starts for Butters_18:
(Start: 147 @14956 has 120 MA's), (Start: 171 @14983 has 28 MA's), (Start: 249 @15088 has 2 MA's), (252, 15100), (269, 15136), (290, 15187), (296, 15208), (299, 15217), (301, 15223), (317, 15244), (324, 15256), (419, 15430), (422, 15436), (432, 15454), (437, 15466), (438, 15469), (450, 15490), (535, 15565), (544, 15592), (558, 15616), (559, 15619), (564, 15631), (580, 15673), (589, 15688), (591, 15694), (593, 15703), (605, 15742), (625, 15796), (648, 15820), (670, 15880), (693, 15946), (700, 15955), (704, 15964), (727, 16015), (730, 16018), (806, 16123), (825, 16171), (844, 16237), (866, 16309), (919, 16462), (924, 16471), (944, 16492), (948, 16507), (955, 16519), (971, 16555), (973, 16561),

Gene: Button_19 Start: 14787, Stop: 16475, Start Num: 151
Candidate Starts for Button_19:
(38, 14367), (122, 14757), (Start: 141 @14784 has 37 MA's), (Start: 151 @14787 has 50 MA's), (259, 14928), (323, 15027), (342, 15072), (445, 15255), (462, 15285), (482, 15327), (495, 15357), (525, 15387), (530, 15399), (534, 15402), (567, 15492), (593, 15558), (598, 15573), (635, 15609), (644, 15624), (654, 15642), (670, 15681), (672, 15687), (702, 15771), (727, 15807), (730, 15810), (731, 15813), (736, 15828), (744, 15846), (745, 15849), (767, 15903), (832, 16032), (835, 16044), (837, 16050), (840, 16059), (853, 16071), (878, 16143), (879, 16146), (880, 16149), (914, 16245), (945, 16314), (948, 16323), (992, 16452), (994, 16461), (998, 16467),

Gene: Buttons_29 Start: 22075, Stop: 23877, Start Num: 159
Candidate Starts for Buttons_29:
(Start: 159 @22075 has 217 MA's), (Start: 176 @22096 has 45 MA's), (Start: 204 @22138 has 1 MA's), (237, 22183), (367, 22399), (395, 22444), (402, 22453), (421, 22492), (448, 22543), (449, 22546), (495, 22639), (556, 22741), (581, 22810), (604, 22870), (674, 23011), (675, 23014), (683, 23035), (730, 23131), (731, 23134), (733, 23140), (762, 23209), (767, 23227), (769, 23236), (777,

23266), (821, 23362), (831, 23395), (835, 23410), (879, 23551), (899, 23608), (945, 23719),

Gene: Buttrmlkdreams_18 Start: 15362, Stop: 17059, Start Num: 151
Candidate Starts for Buttrmlkdreams_18:
(122, 15332), (Start: 141 @15359 has 37 MA's), (Start: 151 @15362 has 50 MA's), (287, 15572), (395, 15740), (400, 15746), (430, 15806), (456, 15854), (462, 15863), (477, 15890), (488, 15920), (495, 15935), (525, 15968), (530, 15980), (543, 16016), (567, 16073), (571, 16085), (644, 16205), (655, 16226), (666, 16250), (731, 16400), (736, 16415), (744, 16433), (767, 16490), (832, 16619), (835, 16631), (841, 16649), (853, 16658), (878, 16730), (879, 16733), (881, 16739), (885, 16751), (925, 16856), (931, 16865), (945, 16898),

Gene: BuzzBuzz_28 Start: 20463, Stop: 22259, Start Num: 156
Candidate Starts for BuzzBuzz_28:
(Start: 156 @20463 has 559 MA's), (Start: 204 @20520 has 1 MA's), (215, 20535), (238, 20568), (254, 20589), (259, 20604), (Start: 303 @20691 has 11 MA's), (323, 20703), (325, 20706), (367, 20781), (376, 20796), (400, 20832), (508, 21039), (567, 21153), (581, 21192), (615, 21279), (674, 21393), (683, 21417), (689, 21435), (731, 21516), (762, 21591), (767, 21609), (775, 21642), (777, 21648), (790, 21687), (820, 21741), (821, 21744), (828, 21765), (844, 21822), (899, 21990), (943, 22095), (945, 22101), (992, 22236),

Gene: BuzzLyseyear_18 Start: 15198, Stop: 16907, Start Num: 142
Candidate Starts for BuzzLyseyear_18:
(Start: 142 @15198 has 207 MA's), (215, 15285), (Start: 249 @15330 has 2 MA's), (258, 15354), (299, 15459), (301, 15465), (309, 15483), (332, 15513), (390, 15618), (422, 15678), (434, 15699), (437, 15708), (450, 15732), (558, 15858), (564, 15873), (566, 15879), (572, 15897), (573, 15900), (580, 15915), (589, 15930), (591, 15936), (605, 15984), (611, 15996), (614, 16002), (648, 16062), (653, 16074), (666, 16110), (670, 16122), (700, 16197), (704, 16206), (713, 16224), (715, 16230), (730, 16260), (806, 16365), (812, 16377), (825, 16413), (847, 16491), (885, 16611), (896, 16644), (911, 16674), (913, 16686), (919, 16704), (922, 16710), (924, 16713), (928, 16719), (944, 16734), (945, 16737), (953, 16758), (955, 16761), (973, 16803), (980, 16833), (992, 16875), (993, 16881),

Gene: Bxb1_25 Start: 21185, Stop: 22987, Start Num: 159
Candidate Starts for Bxb1_25:
(Start: 159 @21185 has 217 MA's), (Start: 176 @21206 has 45 MA's), (Start: 204 @21248 has 1 MA's), (237, 21293), (367, 21509), (395, 21554), (402, 21563), (421, 21602), (448, 21653), (449, 21656), (556, 21851), (581, 21920), (674, 22121), (675, 22124), (683, 22145), (730, 22241), (731, 22244), (733, 22250), (762, 22319), (767, 22337), (769, 22346), (777, 22376), (821, 22472), (831, 22505), (835, 22520), (879, 22661), (899, 22718), (945, 22829),

Gene: Bxz2_28 Start: 20473, Stop: 22269, Start Num: 156
Candidate Starts for Bxz2_28:
(Start: 156 @20473 has 559 MA's), (Start: 204 @20530 has 1 MA's), (215, 20545), (238, 20578), (254, 20599), (259, 20614), (Start: 303 @20701 has 11 MA's), (323, 20713), (325, 20716), (367, 20791), (376, 20806), (400, 20842), (508, 21049), (567, 21163), (581, 21202), (615, 21289), (674, 21403), (683, 21427), (689, 21445), (731, 21526), (762, 21601), (767, 21619), (775, 21652), (777, 21658), (790, 21697), (820, 21751), (821, 21754), (828, 21775), (844, 21832), (899, 22000), (943, 22105), (945, 22111), (992, 22246),

Gene: ByChance_16 Start: 14817, Stop: 16526, Start Num: 142
Candidate Starts for ByChance_16:
(Start: 142 @14817 has 207 MA's), (215, 14904), (Start: 249 @14949 has 2 MA's), (258, 14973), (299, 15078), (301, 15084), (309, 15102), (332, 15132), (390, 15237), (422, 15297), (434, 15318), (437, 15327), (450, 15351), (535, 15426), (536, 15429), (558, 15477), (564, 15492), (566, 15498), (580,

15534), (589, 15549), (591, 15555), (605, 15603), (611, 15615), (614, 15621), (648, 15681), (653, 15693), (666, 15729), (670, 15741), (700, 15816), (704, 15825), (713, 15843), (715, 15849), (730, 15879), (806, 15984), (812, 15996), (825, 16032), (847, 16110), (885, 16230), (896, 16263), (911, 16293), (919, 16323), (924, 16332), (928, 16338), (944, 16353), (945, 16356), (955, 16380), (968, 16410), (973, 16422), (980, 16452), (992, 16494),

Gene: Byougenkin_16 Start: 14826, Stop: 16535, Start Num: 142
Candidate Starts for Byougenkin_16:
(Start: 142 @14826 has 207 MA's), (215, 14913), (Start: 249 @14958 has 2 MA's), (258, 14982), (299, 15087), (301, 15093), (309, 15111), (332, 15141), (390, 15246), (422, 15306), (434, 15327), (437, 15336), (447, 15354), (450, 15360), (558, 15486), (564, 15501), (566, 15507), (580, 15543), (582, 15546), (589, 15558), (591, 15564), (605, 15612), (611, 15624), (614, 15630), (648, 15690), (653, 15702), (666, 15738), (670, 15750), (700, 15825), (704, 15834), (713, 15852), (715, 15858), (730, 15888), (806, 15993), (810, 16002), (812, 16005), (825, 16041), (844, 16107), (847, 16119), (878, 16218), (885, 16239), (896, 16272), (911, 16302), (919, 16332), (924, 16341), (928, 16347), (944, 16362), (945, 16365), (955, 16389), (973, 16431), (980, 16461), (992, 16503), (993, 16509),

Gene: C3_26 Start: 20192, Stop: 21982, Start Num: 156
Candidate Starts for C3_26:
(110, 20126), (Start: 136 @20168 has 48 MA's), (Start: 156 @20192 has 559 MA's), (323, 20426), (325, 20429), (366, 20501), (367, 20504), (376, 20519), (402, 20558), (406, 20564), (465, 20675), (475, 20693), (479, 20708), (508, 20762), (550, 20843), (556, 20846), (615, 21002), (635, 21032), (677, 21125), (731, 21239), (775, 21365), (831, 21500), (835, 21515), (842, 21539), (866, 21614), (867, 21617), (869, 21629), (899, 21713), (933, 21791), (943, 21818), (945, 21824), (964, 21869), (968, 21878), (992, 21959),

Gene: C3PO_31 Start: 28482, Stop: 30080, Start Num: 211
Candidate Starts for C3PO_31:
(Start: 211 @28482 has 16 MA's), (280, 28581), (307, 28650), (331, 28689), (404, 28824), (433, 28884), (522, 29037), (529, 29049), (534, 29058), (535, 29061), (551, 29106), (562, 29121), (564, 29130), (567, 29139), (590, 29193), (596, 29211), (643, 29265), (747, 29481), (778, 29574), (849, 29682), (870, 29736), (895, 29811), (954, 29940), (997, 30066),

Gene: CLED96_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for CLED96_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: CRB1_28 Start: 20183, Stop: 21955, Start Num: 156
Candidate Starts for CRB1_28:
(Start: 136 @20159 has 48 MA's), (Start: 156 @20183 has 559 MA's), (238, 20282), (323, 20417), (325, 20420), (366, 20492), (367, 20495), (402, 20549), (406, 20555), (421, 20588), (465, 20666), (508, 20753), (550, 20834), (556, 20837), (635, 21023), (675, 21110), (723, 21215), (731, 21230), (775, 21356), (777, 21362), (808, 21410), (831, 21473), (835, 21488), (837, 21494), (845, 21524), (855, 21548), (866, 21587), (869, 21602), (899, 21686),

Gene: CREW_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for CREW_23:

(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Cabrinians_16 Start: 14807, Stop: 16516, Start Num: 142
Candidate Starts for Cabrinians_16:
(Start: 142 @14807 has 207 MA's), (215, 14894), (Start: 249 @14939 has 2 MA's), (258, 14963), (299, 15068), (301, 15074), (309, 15092), (332, 15122), (390, 15227), (422, 15287), (434, 15308), (437, 15317), (450, 15341), (535, 15416), (536, 15419), (558, 15467), (564, 15482), (566, 15488), (580, 15524), (582, 15527), (589, 15539), (591, 15545), (605, 15593), (611, 15605), (614, 15611), (648, 15671), (653, 15683), (666, 15719), (670, 15731), (700, 15806), (704, 15815), (713, 15833), (715, 15839), (730, 15869), (806, 15974), (812, 15986), (825, 16022), (847, 16100), (885, 16220), (896, 16253), (911, 16283), (919, 16313), (924, 16322), (928, 16328), (944, 16343), (945, 16346), (955, 16370), (968, 16400), (973, 16412), (980, 16442), (992, 16484),

Gene: Cactus_25 Start: 18958, Stop: 20637, Start Num: 147
Candidate Starts for Cactus_25:
(Start: 147 @18958 has 120 MA's), (Start: 212 @19042 has 47 MA's), (Start: 260 @19120 has 1 MA's), (296, 19207), (301, 19222), (332, 19270), (349, 19309), (405, 19396), (420, 19429), (437, 19465), (454, 19495), (457, 19501), (538, 19570), (561, 19600), (565, 19612), (566, 19615), (591, 19672), (650, 19804), (651, 19810), (675, 19876), (677, 19882), (686, 19906), (704, 19954), (715, 19978), (721, 19987), (754, 20062), (810, 20113), (819, 20128), (867, 20290), (875, 20317), (885, 20347), (926, 20452), (971, 20530), (980, 20566), (983, 20575), (992, 20608), (998, 20623),

Gene: CactusJack_19 Start: 16273, Stop: 18009, Start Num: 137
Candidate Starts for CactusJack_19:
(Start: 121 @16249 has 6 MA's), (Start: 137 @16273 has 45 MA's), (Start: 186 @16333 has 1 MA's), (198, 16354), (201, 16357), (274, 16477), (290, 16516), (300, 16549), (317, 16573), (382, 16693), (405, 16732), (407, 16738), (447, 16822), (450, 16828), (457, 16840), (473, 16864), (485, 16891), (538, 16909), (555, 16948), (558, 16954), (567, 16978), (591, 17032), (594, 17044), (597, 17053), (621, 17113), (658, 17191), (670, 17230), (682, 17263), (704, 17329), (715, 17353), (726, 17377), (740, 17407), (822, 17521), (827, 17533), (830, 17542), (832, 17551), (865, 17659), (892, 17743), (937, 17842), (983, 17950), (998, 17998),

Gene: CactusRose_26 Start: 21034, Stop: 22836, Start Num: 159
Candidate Starts for CactusRose_26:
(Start: 159 @21034 has 217 MA's), (Start: 176 @21055 has 45 MA's), (Start: 204 @21097 has 1 MA's), (237, 21142), (367, 21358), (395, 21403), (402, 21412), (448, 21502), (495, 21598), (556, 21700), (581, 21769), (674, 21970), (675, 21973), (683, 21994), (730, 22090), (731, 22093), (733, 22099), (762, 22168), (767, 22186), (769, 22195), (777, 22225), (821, 22321), (831, 22354), (835, 22369), (844, 22399), (879, 22510), (899, 22567), (945, 22678),

Gene: Caelakin_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Caelakin_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441),

(948, 21456), (987, 21564), (992, 21582),

Gene: Cafasso_19 Start: 16548, Stop: 18212, Start Num: 167
Candidate Starts for Cafasso_19:
(Start: 153 @16533 has 9 MA's), (Start: 167 @16548 has 22 MA's), (Start: 171 @16554 has 28 MA's), (193, 16584), (Start: 196 @16593 has 2 MA's), (346, 16827), (367, 16860), (397, 16908), (436, 16983), (462, 17028), (508, 17118), (525, 17133), (545, 17187), (550, 17196), (567, 17229), (577, 17262), (581, 17268), (703, 17502), (712, 17514), (730, 17541), (740, 17574), (758, 17613), (762, 17622), (782, 17694), (811, 17709), (821, 17733), (835, 17781), (874, 17868), (881, 17889), (905, 17955), (933, 18021), (951, 18069), (984, 18159), (1000, 18207),

Gene: Cain_22 Start: 16338, Stop: 18104, Start Num: 178
Candidate Starts for Cain_22:
(Start: 171 @16329 has 28 MA's), (Start: 178 @16338 has 139 MA's), (198, 16368), (272, 16494), (277, 16509), (284, 16527), (295, 16560), (311, 16590), (335, 16635), (371, 16725), (395, 16761), (436, 16839), (441, 16848), (484, 16932), (488, 16941), (491, 16953), (492, 16956), (498, 16974), (512, 16995), (527, 17010), (534, 17022), (536, 17028), (551, 17070), (557, 17076), (656, 17259), (676, 17319), (718, 17403), (724, 17421), (751, 17481), (774, 17556), (782, 17580), (821, 17640), (831, 17673), (832, 17676), (837, 17694), (853, 17715), (879, 17790), (896, 17841), (899, 17847), (908, 17868), (948, 17940), (971, 17991), (993, 18075), (994, 18078), (1004, 18096),

Gene: CallaLilly_24 Start: 17111, Stop: 18877, Start Num: 178
Candidate Starts for CallaLilly_24:
(Start: 178 @17111 has 139 MA's), (198, 17141), (284, 17300), (295, 17333), (311, 17363), (329, 17396), (335, 17408), (371, 17498), (400, 17540), (436, 17612), (441, 17621), (465, 17660), (484, 17705), (491, 17726), (492, 17729), (527, 17783), (536, 17801), (551, 17843), (557, 17849), (567, 17876), (647, 18014), (656, 18032), (670, 18074), (676, 18092), (688, 18122), (702, 18149), (751, 18254), (821, 18413), (832, 18449), (841, 18479), (853, 18488), (879, 18563), (896, 18614), (983, 18809), (993, 18848), (994, 18851), (1004, 18869),

Gene: Calm_18 Start: 16760, Stop: 18529, Start Num: 136
Candidate Starts for Calm_18:
(Start: 103 @16697 has 1 MA's), (Start: 111 @16718 has 74 MA's), (Start: 119 @16733 has 3 MA's), (Start: 136 @16760 has 48 MA's), (207, 16853), (241, 16901), (246, 16907), (265, 16934), (266, 16937), (269, 16943), (295, 17015), (298, 17024), (318, 17048), (327, 17063), (342, 17093), (414, 17219), (417, 17228), (427, 17249), (435, 17264), (475, 17333), (488, 17369), (501, 17390), (542, 17459), (562, 17498), (636, 17636), (644, 17648), (674, 17723), (676, 17729), (683, 17747), (695, 17786), (712, 17819), (716, 17828), (724, 17837), (730, 17846), (774, 17969), (785, 18005), (826, 18053), (830, 18065), (858, 18119), (888, 18215), (893, 18233), (895, 18239), (896, 18242), (912, 18275), (919, 18299), (951, 18362), (965, 18404), (977, 18443), (983, 18461), (989, 18482), (994, 18503),

Gene: Calvinny_30 Start: 20460, Stop: 22256, Start Num: 156
Candidate Starts for Calvinny_30:
(Start: 156 @20460 has 559 MA's), (Start: 204 @20517 has 1 MA's), (215, 20532), (254, 20586), (259, 20601), (Start: 303 @20688 has 11 MA's), (323, 20700), (325, 20703), (367, 20778), (376, 20793), (508, 21036), (581, 21189), (615, 21276), (669, 21369), (674, 21390), (683, 21414), (687, 21426), (689, 21432), (731, 21513), (762, 21588), (767, 21606), (769, 21615), (775, 21639), (777, 21645), (782, 21660), (790, 21684), (820, 21738), (821, 21741), (828, 21762), (943, 22092), (945, 22098), (992, 22233),

Gene: Cambiare_19 Start: 17379, Stop: 19118, Start Num: 194
Candidate Starts for Cambiare_19:

(Start: 171 @17370 has 28 MA's), (Start: 194 @17379 has 44 MA's), (217, 17409), (256, 17472), (257, 17475), (264, 17493), (277, 17526), (294, 17574), (295, 17577), (367, 17733), (376, 17748), (425, 17838), (449, 17880), (488, 17958), (536, 18054), (541, 18072), (551, 18096), (557, 18102), (571, 18141), (587, 18177), (607, 18222), (647, 18267), (683, 18363), (686, 18372), (718, 18429), (751, 18507), (762, 18534), (771, 18570), (805, 18624), (831, 18687), (840, 18717), (885, 18822), (893, 18846), (911, 18885), (942, 18936), (994, 19092), (996, 19095),

Gene: Camperdownii_26 Start: 19446, Stop: 21227, Start Num: 156
Candidate Starts for Camperdownii_26:
(Start: 136 @19422 has 48 MA's), (Start: 156 @19446 has 559 MA's), (Start: 162 @19452 has 5 MA's), (Start: 204 @19506 has 1 MA's), (215, 19521), (254, 19575), (Start: 260 @19593 has 1 MA's), (Start: 303 @19677 has 11 MA's), (323, 19689), (325, 19692), (367, 19767), (376, 19782), (402, 19821), (465, 19938), (508, 20025), (550, 20106), (572, 20154), (581, 20178), (615, 20265), (644, 20310), (675, 20382), (683, 20403), (689, 20421), (731, 20502), (767, 20595), (769, 20604), (775, 20628), (777, 20634), (784, 20658), (821, 20712), (828, 20733), (842, 20784), (850, 20808), (867, 20862), (899, 20958), (943, 21063), (948, 21078), (987, 21186), (992, 21204),

Gene: Camri_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Camri_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Camster_19 Start: 16386, Stop: 18122, Start Num: 137
Candidate Starts for Camster_19:
(Start: 121 @16362 has 6 MA's), (Start: 137 @16386 has 45 MA's), (Start: 186 @16446 has 1 MA's), (198, 16467), (201, 16470), (274, 16590), (290, 16629), (300, 16662), (317, 16686), (382, 16806), (405, 16845), (407, 16851), (447, 16935), (450, 16941), (457, 16953), (473, 16977), (485, 17004), (538, 17022), (555, 17061), (558, 17067), (567, 17091), (591, 17145), (594, 17157), (597, 17166), (621, 17226), (658, 17304), (670, 17343), (682, 17376), (704, 17442), (711, 17457), (715, 17466), (726, 17490), (740, 17520), (746, 17532), (822, 17634), (827, 17646), (828, 17649), (830, 17655), (832, 17664), (865, 17772), (892, 17856), (937, 17955), (983, 18063), (998, 18111),

Gene: Candra_31 Start: 20012, Stop: 21784, Start Num: 156
Candidate Starts for Candra_31:
(110, 19946), (Start: 136 @19988 has 48 MA's), (Start: 156 @20012 has 559 MA's), (325, 20249), (366, 20321), (367, 20324), (376, 20339), (402, 20378), (406, 20384), (465, 20495), (469, 20501), (484, 20540), (508, 20582), (536, 20621), (550, 20663), (556, 20666), (615, 20822), (684, 20963), (689, 20978), (731, 21059), (777, 21191), (835, 21317), (852, 21368), (855, 21377), (866, 21416), (867, 21419), (869, 21431), (899, 21515), (943, 21620), (945, 21626), (992, 21761),

Gene: CanesSauce_18 Start: 15395, Stop: 17095, Start Num: 141
Candidate Starts for CanesSauce_18:
(Start: 141 @15395 has 37 MA's), (Start: 151 @15398 has 50 MA's), (235, 15500), (241, 15512), (287, 15608), (344, 15692), (400, 15782), (430, 15842), (445, 15869), (462, 15899), (465, 15902), (495, 15971), (525, 16004), (530, 16016), (534, 16019), (540, 16040), (541, 16043), (567, 16109), (571, 16121), (666, 16286), (731, 16436), (736, 16451), (744, 16469), (767, 16526), (835, 16667), (837, 16673), (841, 16685), (853, 16694), (878, 16766), (879, 16769), (881, 16775), (885, 16787), (925, 16892), (931, 16901), (945, 16934),

Gene: Caprice_47 Start: 26788, Stop: 28500, Start Num: 175
Candidate Starts for Caprice_47:
(122, 26725), (Start: 175 @26788 has 56 MA's), (Start: 233 @26869 has 1 MA's), (266, 26926), (296, 27007), (298, 27013), (339, 27070), (342, 27082), (346, 27094), (367, 27133), (376, 27148), (417, 27217), (445, 27271), (449, 27280), (539, 27436), (562, 27484), (564, 27493), (567, 27502), (581, 27541), (590, 27556), (636, 27619), (644, 27631), (689, 27748), (690, 27751), (712, 27802), (729, 27829), (731, 27832), (738, 27853), (758, 27895), (820, 28015), (826, 28033), (881, 28177), (896, 28222), (905, 28240), (942, 28324), (945, 28333), (951, 28351), (961, 28372), (977, 28417), (979, 28423), (983, 28435), (986, 28447), (992, 28468),

Gene: Capricorn_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Capricorn_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: CaptainKirk2_19 Start: 16674, Stop: 18320, Start Num: 227
Candidate Starts for CaptainKirk2_19:
(203, 16638), (Start: 227 @16674 has 45 MA's), (283, 16776), (310, 16848), (318, 16854), (321, 16857), (374, 16953), (396, 16992), (435, 17073), (468, 17127), (475, 17142), (560, 17238), (591, 17313), (600, 17343), (677, 17526), (686, 17550), (739, 17694), (744, 17706), (799, 17766), (843, 17898), (844, 17901), (875, 18000), (881, 18018), (899, 18069), (925, 18135), (963, 18198), (968, 18210),

Gene: CaptainTrips_17 Start: 15501, Stop: 17210, Start Num: 142
Candidate Starts for CaptainTrips_17:
(Start: 142 @15501 has 207 MA's), (215, 15588), (Start: 249 @15633 has 2 MA's), (258, 15657), (266, 15678), (299, 15762), (301, 15768), (309, 15786), (332, 15816), (390, 15921), (422, 15981), (434, 16002), (437, 16011), (447, 16029), (450, 16035), (558, 16161), (564, 16176), (566, 16182), (580, 16218), (582, 16221), (589, 16233), (591, 16239), (605, 16287), (611, 16299), (614, 16305), (648, 16365), (653, 16377), (666, 16413), (670, 16425), (700, 16500), (704, 16509), (713, 16527), (715, 16533), (730, 16563), (806, 16668), (810, 16677), (812, 16680), (825, 16716), (847, 16794), (878, 16893), (885, 16914), (896, 16947), (911, 16977), (919, 17007), (924, 17016), (928, 17022), (944, 17037), (945, 17040), (955, 17064), (968, 17094), (973, 17106), (980, 17136), (992, 17178),

Gene: Caraxes_27 Start: 18835, Stop: 20625, Start Num: 156
Candidate Starts for Caraxes_27:
(110, 18769), (Start: 136 @18811 has 48 MA's), (Start: 156 @18835 has 559 MA's), (Start: 176 @18844 has 45 MA's), (269, 18988), (323, 19069), (325, 19072), (366, 19144), (367, 19147), (376, 19162), (402, 19201), (406, 19207), (465, 19318), (469, 19324), (479, 19351), (508, 19405), (550, 19486), (556, 19489), (615, 19645), (635, 19675), (674, 19759), (689, 19801), (712, 19852), (731, 19882), (775, 20008), (793, 20062), (813, 20089), (819, 20098), (821, 20110), (831, 20143), (835, 20158), (842, 20182), (866, 20257), (867, 20260), (869, 20272), (899, 20356), (943, 20461), (964, 20512), (968, 20521), (992, 20602),

Gene: Carcharodon_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Carcharodon_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450,

15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Cardigan_47 Start: 30787, Stop: 32481, Start Num: 160
Candidate Starts for Cardigan_47:
(Start: 160 @30787 has 2 MA's), (207, 30853), (Start: 212 @30859 has 47 MA's), (250, 30916), (317, 31075), (324, 31087), (392, 31213), (418, 31261), (564, 31411), (586, 31462), (591, 31474), (592, 31480), (653, 31621), (661, 31636), (764, 31903), (842, 32032), (844, 32038), (846, 32047), (867, 32110), (879, 32149), (882, 32158), (899, 32206), (932, 32281), (967, 32341), (981, 32389), (989, 32416), (991, 32425), (992, 32428),

Gene: Carlyle_29 Start: 21914, Stop: 23716, Start Num: 159
Candidate Starts for Carlyle_29:
(Start: 159 @21914 has 217 MA's), (Start: 176 @21935 has 45 MA's), (Start: 204 @21977 has 1 MA's), (237, 22022), (367, 22238), (395, 22283), (402, 22292), (421, 22331), (448, 22382), (449, 22385), (556, 22580), (581, 22649), (674, 22850), (675, 22853), (683, 22874), (730, 22970), (731, 22973), (733, 22979), (762, 23048), (767, 23066), (777, 23105), (821, 23201), (831, 23234), (835, 23249), (879, 23390), (899, 23447), (945, 23558), (1000, 23711),

Gene: CarolAnn_19 Start: 16617, Stop: 18263, Start Num: 227
Candidate Starts for CarolAnn_19:
(203, 16581), (Start: 227 @16617 has 45 MA's), (283, 16719), (318, 16797), (321, 16800), (374, 16896), (396, 16935), (435, 17016), (468, 17070), (475, 17085), (591, 17256), (600, 17286), (677, 17469), (686, 17493), (700, 17544), (739, 17637), (744, 17649), (765, 17694), (799, 17709), (843, 17841), (844, 17844), (875, 17943), (881, 17961), (899, 18012), (921, 18072), (925, 18078), (963, 18141), (968, 18153),

Gene: Carsonalex_19 Start: 15787, Stop: 17487, Start Num: 141
Candidate Starts for Carsonalex_19:
(Start: 141 @15787 has 37 MA's), (Start: 151 @15790 has 50 MA's), (287, 16000), (367, 16123), (400, 16174), (445, 16261), (473, 16306), (477, 16318), (525, 16396), (530, 16408), (541, 16435), (553, 16468), (567, 16501), (571, 16513), (590, 16555), (666, 16678), (691, 16750), (731, 16828), (736, 16843), (744, 16861), (767, 16918), (821, 17011), (832, 17047), (835, 17059), (837, 17065), (841, 17077), (853, 17086), (878, 17158), (879, 17161), (881, 17167), (885, 17179), (909, 17239), (925, 17284), (931, 17293), (945, 17326), (973, 17392),

Gene: CaseJules_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for CaseJules_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Cashline_20 Start: 17390, Stop: 19096, Start Num: 157
Candidate Starts for Cashline_20:
(Start: 137 @17366 has 45 MA's), (Start: 157 @17390 has 24 MA's), (262, 17537), (302, 17612), (367, 17726), (445, 17873), (448, 17879), (546, 18062), (577, 18137), (730, 18419), (737, 18440), (767, 18515), (809, 18602), (826, 18638), (835, 18671), (837, 18677), (868, 18743), (879, 18773), (943,

18929), (945, 18935), (951, 18953), (990, 19064),

Gene: CassieYates_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for CassieYates_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Catdawg_56 Start: 33524, Stop: 35260, Start Num: 126
Candidate Starts for Catdawg_56:
(Start: 120 @33515 has 2 MA's), (Start: 126 @33524 has 26 MA's), (Start: 195 @33614 has 1 MA's), (266, 33731), (282, 33767), (291, 33788), (299, 33815), (301, 33821), (336, 33875), (363, 33926), (437, 34064), (440, 34070), (472, 34121), (473, 34124), (482, 34142), (558, 34193), (566, 34214), (567, 34217), (589, 34265), (591, 34271), (605, 34319), (607, 34325), (611, 34331), (632, 34391), (648, 34415), (650, 34418), (666, 34463), (671, 34478), (674, 34487), (677, 34496), (693, 34541), (704, 34559), (721, 34592), (812, 34730), (820, 34751), (840, 34817), (848, 34847), (865, 34901), (878, 34943), (885, 34964), (892, 34985), (896, 34997), (907, 35018), (928, 35072), (971, 35150), (980, 35186), (986, 35207), (993, 35234),

Gene: Catfish_22 Start: 18471, Stop: 19802, Start Num: 303
Candidate Starts for Catfish_22:
(Start: 303 @18471 has 11 MA's), (378, 18603), (399, 18633), (425, 18690), (445, 18723), (481, 18792), (488, 18810), (526, 18891), (590, 18930), (639, 18996), (646, 19005), (660, 19014), (680, 19071), (704, 19116), (714, 19134), (730, 19170), (764, 19251), (772, 19287), (885, 19506), (910, 19566), (948, 19647), (954, 19662), (968, 19692), (972, 19701),

Gene: Caviar_28 Start: 20455, Stop: 22254, Start Num: 156
Candidate Starts for Caviar_28:
(Start: 156 @20455 has 559 MA's), (Start: 204 @20515 has 1 MA's), (254, 20584), (Start: 303 @20686 has 11 MA's), (323, 20698), (325, 20701), (367, 20776), (376, 20791), (402, 20830), (475, 20965), (508, 21034), (567, 21148), (615, 21274), (674, 21388), (683, 21412), (687, 21424), (689, 21430), (731, 21511), (762, 21586), (767, 21604), (769, 21613), (775, 21637), (777, 21643), (782, 21658), (800, 21691), (820, 21736), (821, 21739), (828, 21760), (867, 21889), (899, 21985), (943, 22090), (945, 22096), (992, 22231),

Gene: Cedasite_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Cedasite_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Centaur_30 Start: 20653, Stop: 22425, Start Num: 156
Candidate Starts for Centaur_30:
(Start: 136 @20629 has 48 MA's), (Start: 156 @20653 has 559 MA's), (259, 20788), (323, 20887), (325, 20890), (366, 20962), (367, 20965), (402, 21019), (406, 21025), (436, 21088), (465, 21136), (479, 21169), (508, 21223), (550, 21304), (556, 21307), (567, 21337), (635, 21493), (675, 21580), (731, 21700), (774, 21823), (775, 21826), (777, 21832), (808, 21880), (831, 21943), (835, 21958),

(837, 21964), (855, 22018), (866, 22057), (869, 22072), (881, 22105), (896, 22150), (943, 22261), (945, 22267), (968, 22321),

Gene: CentreCat_27 Start: 19828, Stop: 21606, Start Num: 156
Candidate Starts for CentreCat_27:
(Start: 136 @19804 has 48 MA's), (Start: 156 @19828 has 559 MA's), (Start: 204 @19885 has 1 MA's), (241, 19939), (254, 19954), (Start: 260 @19972 has 1 MA's), (Start: 303 @20056 has 11 MA's), (323, 20068), (325, 20071), (367, 20146), (376, 20161), (402, 20200), (465, 20317), (508, 20404), (550, 20485), (572, 20533), (581, 20557), (615, 20644), (644, 20689), (675, 20761), (683, 20782), (689, 20800), (731, 20881), (767, 20974), (769, 20983), (775, 21007), (777, 21013), (784, 21037), (821, 21091), (828, 21112), (842, 21163), (850, 21187), (867, 21241), (899, 21337), (943, 21442), (948, 21457), (987, 21565), (992, 21583),

Gene: Cerasum_17 Start: 14635, Stop: 16344, Start Num: 142
Candidate Starts for Cerasum_17:
(Start: 142 @14635 has 207 MA's), (215, 14722), (Start: 249 @14767 has 2 MA's), (258, 14791), (299, 14896), (301, 14902), (309, 14920), (332, 14950), (390, 15055), (422, 15115), (434, 15136), (437, 15145), (450, 15169), (535, 15244), (536, 15247), (558, 15295), (564, 15310), (566, 15316), (580, 15352), (582, 15355), (589, 15367), (591, 15373), (605, 15421), (611, 15433), (614, 15439), (648, 15499), (653, 15511), (666, 15547), (670, 15559), (700, 15634), (704, 15643), (713, 15661), (715, 15667), (730, 15697), (806, 15802), (810, 15811), (812, 15814), (825, 15850), (847, 15928), (878, 16027), (885, 16048), (896, 16081), (911, 16111), (919, 16141), (924, 16150), (928, 16156), (944, 16171), (945, 16174), (955, 16198), (968, 16228), (973, 16240), (980, 16270), (992, 16312),

Gene: Cerulean_28 Start: 20139, Stop: 21920, Start Num: 156
Candidate Starts for Cerulean_28:
(Start: 136 @20115 has 48 MA's), (Start: 156 @20139 has 559 MA's), (Start: 162 @20145 has 5 MA's), (Start: 204 @20199 has 1 MA's), (215, 20214), (254, 20268), (Start: 260 @20286 has 1 MA's), (Start: 303 @20370 has 11 MA's), (323, 20382), (325, 20385), (367, 20460), (376, 20475), (402, 20514), (465, 20631), (508, 20718), (550, 20799), (572, 20847), (581, 20871), (615, 20958), (644, 21003), (675, 21075), (683, 21096), (689, 21114), (731, 21195), (762, 21270), (767, 21288), (769, 21297), (775, 21321), (777, 21327), (784, 21351), (819, 21393), (821, 21405), (828, 21426), (842, 21477), (850, 21501), (867, 21555), (899, 21651), (943, 21756), (948, 21771), (987, 21879), (992, 21897),

Gene: ChadMasterC_35 Start: 31682, Stop: 33445, Start Num: 111
Candidate Starts for ChadMasterC_35:
(104, 31664), (Start: 111 @31682 has 74 MA's), (Start: 131 @31718 has 1 MA's), (238, 31856), (285, 31952), (289, 31961), (340, 32030), (367, 32081), (395, 32126), (448, 32222), (475, 32267), (478, 32276), (535, 32366), (543, 32396), (550, 32411), (562, 32435), (571, 32465), (641, 32570), (689, 32687), (695, 32705), (699, 32720), (723, 32750), (730, 32762), (731, 32765), (740, 32792), (879, 33116), (880, 33119), (896, 33167), (909, 33194), (917, 33221), (943, 33275), (952, 33302), (994, 33431),

Gene: Chadwick_25 Start: 18946, Stop: 20745, Start Num: 156
Candidate Starts for Chadwick_25:
(Start: 156 @18946 has 559 MA's), (325, 19183), (367, 19258), (376, 19273), (400, 19309), (436, 19381), (445, 19396), (465, 19429), (469, 19435), (567, 19630), (575, 19660), (579, 19666), (615, 19756), (644, 19801), (674, 19870), (689, 19912), (694, 19930), (730, 19990), (731, 19993), (767, 20086), (820, 20227), (831, 20263), (942, 20578), (945, 20587), (992, 20722),

Gene: ChampagnePapi_28 Start: 20138, Stop: 21919, Start Num: 156
Candidate Starts for ChampagnePapi_28:

(Start: 136 @20114 has 48 MA's), (Start: 156 @20138 has 559 MA's), (Start: 162 @20144 has 5 MA's), (Start: 204 @20198 has 1 MA's), (215, 20213), (254, 20267), (Start: 260 @20285 has 1 MA's), (Start: 303 @20369 has 11 MA's), (323, 20381), (325, 20384), (367, 20459), (376, 20474), (402, 20513), (465, 20630), (508, 20717), (550, 20798), (572, 20846), (581, 20870), (615, 20957), (644, 21002), (675, 21074), (683, 21095), (689, 21113), (731, 21194), (762, 21269), (767, 21287), (769, 21296), (775, 21320), (777, 21326), (784, 21350), (819, 21392), (821, 21404), (828, 21425), (842, 21476), (850, 21500), (867, 21554), (899, 21650), (943, 21755), (948, 21770), (987, 21878), (992, 21896),

Gene: Chanagan_26 Start: 20699, Stop: 22501, Start Num: 159
Candidate Starts for Chanagan_26:
(Start: 159 @20699 has 217 MA's), (Start: 176 @20720 has 45 MA's), (Start: 204 @20762 has 1 MA's), (237, 20807), (367, 21023), (395, 21068), (402, 21077), (421, 21116), (448, 21167), (449, 21170), (495, 21263), (556, 21365), (581, 21434), (674, 21635), (675, 21638), (683, 21659), (730, 21755), (731, 21758), (733, 21764), (762, 21833), (767, 21851), (769, 21860), (777, 21890), (821, 21986), (831, 22019), (835, 22034), (879, 22175), (899, 22232), (945, 22343),

Gene: Chance64_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Chance64_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Chancellor_24 Start: 18633, Stop: 20420, Start Num: 178
Candidate Starts for Chancellor_24:
(Start: 146 @18594 has 1 MA's), (Start: 171 @18624 has 28 MA's), (Start: 176 @18630 has 45 MA's), (Start: 178 @18633 has 139 MA's), (228, 18690), (256, 18738), (272, 18777), (277, 18792), (284, 18810), (295, 18843), (311, 18873), (335, 18918), (342, 18936), (371, 19008), (376, 19014), (395, 19044), (430, 19110), (436, 19122), (498, 19257), (534, 19305), (536, 19311), (541, 19329), (557, 19359), (571, 19398), (647, 19524), (670, 19584), (671, 19587), (677, 19605), (683, 19620), (751, 19788), (769, 19842), (782, 19887), (808, 19932), (821, 19956), (831, 19989), (841, 20022), (875, 20094), (879, 20106), (896, 20157), (899, 20163), (951, 20265), (993, 20391), (1004, 20412),

Gene: Changeling_30 Start: 22020, Stop: 23792, Start Num: 156
Candidate Starts for Changeling_30:
(Start: 136 @21996 has 48 MA's), (Start: 156 @22020 has 559 MA's), (323, 22254), (325, 22257), (366, 22329), (367, 22332), (402, 22386), (421, 22425), (465, 22503), (508, 22590), (550, 22671), (556, 22674), (635, 22860), (674, 22944), (675, 22947), (689, 22986), (712, 23037), (723, 23052), (731, 23067), (777, 23199), (808, 23247), (828, 23298), (831, 23310), (835, 23325), (837, 23331), (855, 23385), (869, 23439), (899, 23523), (925, 23589), (933, 23601), (943, 23628), (945, 23634),

Gene: Chaph_27 Start: 19836, Stop: 21614, Start Num: 156
Candidate Starts for Chaph_27:
(Start: 136 @19812 has 48 MA's), (Start: 156 @19836 has 559 MA's), (Start: 204 @19893 has 1 MA's), (241, 19947), (254, 19962), (Start: 260 @19980 has 1 MA's), (Start: 303 @20064 has 11 MA's), (323, 20076), (325, 20079), (367, 20154), (376, 20169), (402, 20208), (465, 20325), (508, 20412), (550, 20493), (572, 20541), (581, 20565), (615, 20652), (644, 20697), (675, 20769), (683, 20790), (689, 20808), (731, 20889), (767, 20982), (769, 20991), (775, 21015), (777, 21021), (784, 21045), (821, 21099), (828, 21120), (842, 21171), (850, 21195), (867, 21249), (899, 21345), (943, 21450), (948, 21465), (987, 21573), (992, 21591),

Gene: Chargerpower_29 Start: 19510, Stop: 21282, Start Num: 156
Candidate Starts for Chargerpower_29:
(Start: 153 @19507 has 9 MA's), (Start: 156 @19510 has 559 MA's), (237, 19606), (271, 19666), (283, 19699), (325, 19747), (346, 19789), (366, 19819), (367, 19822), (402, 19876), (406, 19882), (465, 19993), (484, 20038), (488, 20047), (508, 20080), (556, 20164), (575, 20224), (669, 20413), (689, 20476), (775, 20683), (808, 20737), (821, 20767), (824, 20776), (835, 20815), (842, 20839), (866, 20914), (867, 20917), (869, 20929), (943, 21118), (945, 21124), (964, 21169), (992, 21259),

Gene: Charlie_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Charlie_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Charm_28 Start: 19700, Stop: 21490, Start Num: 156
Candidate Starts for Charm_28:
(110, 19634), (Start: 136 @19676 has 48 MA's), (Start: 156 @19700 has 559 MA's), (323, 19934), (325, 19937), (366, 20009), (367, 20012), (379, 20030), (402, 20066), (406, 20072), (430, 20123), (445, 20150), (448, 20156), (465, 20183), (469, 20189), (508, 20270), (550, 20351), (556, 20354), (575, 20414), (669, 20603), (689, 20666), (712, 20717), (731, 20747), (775, 20873), (821, 20975), (824, 20984), (831, 21008), (835, 21023), (842, 21047), (866, 21122), (869, 21137), (899, 21221), (943, 21326), (945, 21332), (968, 21386), (983, 21434),

Gene: Charming_35 Start: 30317, Stop: 32080, Start Num: 111
Candidate Starts for Charming_35:
(104, 30299), (Start: 111 @30317 has 74 MA's), (Start: 131 @30353 has 1 MA's), (238, 30491), (285, 30587), (289, 30596), (340, 30665), (367, 30716), (395, 30761), (406, 30776), (448, 30857), (475, 30902), (478, 30911), (535, 31001), (536, 31004), (543, 31031), (550, 31046), (562, 31070), (571, 31100), (689, 31322), (695, 31340), (699, 31355), (723, 31385), (730, 31397), (731, 31400), (740, 31427), (878, 31748), (879, 31751), (880, 31754), (896, 31802), (909, 31829), (917, 31856), (943, 31910), (951, 31934), (952, 31937), (1000, 32075),

Gene: Chartreuse_31 Start: 19923, Stop: 21695, Start Num: 156
Candidate Starts for Chartreuse_31:
(110, 19857), (Start: 136 @19899 has 48 MA's), (Start: 156 @19923 has 559 MA's), (286, 20121), (325, 20160), (366, 20232), (367, 20235), (379, 20253), (402, 20289), (406, 20295), (465, 20406), (469, 20412), (484, 20451), (508, 20493), (536, 20532), (550, 20574), (556, 20577), (575, 20637), (684, 20874), (689, 20889), (731, 20970), (777, 21102), (835, 21228), (852, 21279), (855, 21288), (866, 21327), (867, 21330), (869, 21342), (899, 21426), (943, 21531), (945, 21537), (992, 21672),

Gene: Chaser_18 Start: 16640, Stop: 18403, Start Num: 136
Candidate Starts for Chaser_18:
(Start: 136 @16640 has 48 MA's), (246, 16781), (295, 16889), (296, 16892), (412, 17090), (414, 17093), (419, 17105), (430, 17126), (484, 17234), (501, 17264), (562, 17372), (575, 17420), (588, 17441), (674, 17597), (695, 17660), (716, 17702), (724, 17711), (731, 17723), (746, 17765), (826, 17927), (835, 17960), (878, 18062), (881, 18071), (896, 18116), (919, 18173), (943, 18212), (951, 18236), (963, 18272), (969, 18287), (977, 18317), (985, 18344), (989, 18356), (994, 18377),

Gene: Chavito_23 Start: 16524, Stop: 18290, Start Num: 178
Candidate Starts for Chavito_23:
(Start: 171 @16515 has 28 MA's), (Start: 178 @16524 has 139 MA's), (Start: 181 @16530 has 15 MA's), (198, 16554), (228, 16593), (272, 16680), (277, 16695), (284, 16713), (295, 16746), (311, 16776), (335, 16821), (342, 16839), (371, 16911), (395, 16947), (436, 17025), (441, 17034), (477, 17097), (491, 17139), (492, 17142), (509, 17178), (512, 17181), (534, 17208), (536, 17214), (551, 17256), (557, 17262), (567, 17289), (647, 17427), (656, 17445), (688, 17535), (702, 17562), (721, 17595), (751, 17667), (769, 17721), (784, 17775), (786, 17781), (821, 17826), (831, 17859), (835, 17874), (841, 17892), (853, 17901), (879, 17976), (896, 18027), (899, 18033), (948, 18126), (983, 18222), (993, 18261), (994, 18264), (1004, 18282),

Gene: Che12_30 Start: 19088, Stop: 20878, Start Num: 156
Candidate Starts for Che12_30:
(Start: 136 @19064 has 48 MA's), (Start: 156 @19088 has 559 MA's), (269, 19241), (323, 19322), (325, 19325), (367, 19400), (376, 19415), (402, 19454), (406, 19460), (465, 19571), (469, 19577), (479, 19604), (508, 19658), (550, 19739), (556, 19742), (615, 19898), (635, 19928), (689, 20054), (712, 20105), (723, 20120), (731, 20135), (775, 20261), (813, 20342), (819, 20351), (831, 20396), (835, 20411), (842, 20435), (866, 20510), (867, 20513), (869, 20525), (899, 20609), (943, 20714), (968, 20774), (992, 20855),

Gene: Che8_16 Start: 14833, Stop: 16542, Start Num: 142
Candidate Starts for Che8_16:
(Start: 142 @14833 has 207 MA's), (215, 14920), (232, 14941), (Start: 249 @14965 has 2 MA's), (258, 14989), (266, 15010), (299, 15094), (301, 15100), (309, 15118), (332, 15148), (390, 15253), (422, 15313), (434, 15334), (437, 15343), (447, 15361), (450, 15367), (535, 15442), (558, 15493), (564, 15508), (566, 15514), (580, 15550), (582, 15553), (589, 15565), (591, 15571), (605, 15619), (611, 15631), (614, 15637), (648, 15697), (653, 15709), (666, 15745), (670, 15757), (700, 15832), (704, 15841), (713, 15859), (715, 15865), (730, 15895), (806, 16000), (810, 16009), (812, 16012), (825, 16048), (835, 16084), (836, 16087), (847, 16126), (878, 16225), (885, 16246), (896, 16279), (911, 16309), (918, 16336), (919, 16339), (924, 16348), (928, 16354), (944, 16369), (945, 16372), (953, 16393), (955, 16396), (973, 16438), (980, 16468), (992, 16510),

Gene: Che9d_19 Start: 13752, Stop: 15416, Start Num: 159
Candidate Starts for Che9d_19:
(Start: 159 @13752 has 217 MA's), (221, 13833), (241, 13863), (256, 13884), (Start: 260 @13896 has 1 MA's), (289, 13962), (327, 14001), (333, 14013), (342, 14037), (374, 14094), (377, 14097), (391, 14121), (395, 14127), (397, 14130), (421, 14175), (430, 14193), (449, 14229), (508, 14340), (536, 14376), (543, 14403), (548, 14415), (550, 14418), (553, 14427), (567, 14460), (571, 14472), (579, 14496), (714, 14742), (731, 14769), (735, 14781), (764, 14832), (767, 14847), (801, 14901), (819, 14928), (879, 15090), (880, 15093), (881, 15096), (925, 15213), (945, 15255), (976, 15339), (990, 15384), (994, 15402),

Gene: CheeseTouch_20 Start: 16421, Stop: 18118, Start Num: 156
Candidate Starts for CheeseTouch_20:
(122, 16382), (Start: 156 @16421 has 559 MA's), (Start: 169 @16433 has 3 MA's), (223, 16511), (238, 16532), (266, 16580), (271, 16589), (286, 16631), (323, 16667), (346, 16724), (377, 16772), (393, 16799), (495, 16997), (506, 17015), (522, 17024), (525, 17030), (543, 17078), (557, 17108), (570, 17144), (579, 17171), (581, 17174), (602, 17225), (637, 17255), (654, 17282), (666, 17309), (691, 17381), (710, 17420), (743, 17474), (761, 17516), (783, 17591), (824, 17654), (832, 17681), (833, 17684), (837, 17699), (875, 17783), (878, 17792), (879, 17795), (881, 17801), (885, 17813), (887, 17816), (897, 17846), (900, 17852), (909, 17873), (911, 17876), (933, 17930), (945, 17960), (948, 17969), (970, 18020), (980, 18053), (984, 18065), (989, 18083),

Gene: CheetoDust_23 Start: 17165, Stop: 18931, Start Num: 178
Candidate Starts for CheetoDust_23:
(Start: 178 @17165 has 139 MA's), (198, 17195), (284, 17354), (295, 17387), (311, 17417), (329, 17450), (335, 17462), (371, 17552), (400, 17594), (436, 17666), (441, 17675), (465, 17714), (484, 17759), (491, 17780), (492, 17783), (527, 17837), (536, 17855), (551, 17897), (557, 17903), (567, 17930), (647, 18068), (656, 18086), (670, 18128), (676, 18146), (688, 18176), (702, 18203), (751, 18308), (821, 18467), (832, 18503), (841, 18533), (853, 18542), (879, 18617), (896, 18668), (983, 18863), (993, 18902), (994, 18905), (1004, 18923),

Gene: Cheetobro_24 Start: 18630, Stop: 20417, Start Num: 178
Candidate Starts for Cheetobro_24:
(Start: 146 @18591 has 1 MA's), (Start: 171 @18621 has 28 MA's), (Start: 176 @18627 has 45 MA's), (Start: 178 @18630 has 139 MA's), (228, 18687), (256, 18735), (272, 18774), (277, 18789), (284, 18807), (295, 18840), (311, 18870), (335, 18915), (342, 18933), (371, 19005), (376, 19011), (395, 19041), (430, 19107), (436, 19119), (498, 19254), (534, 19302), (536, 19308), (541, 19326), (557, 19356), (571, 19395), (647, 19521), (670, 19581), (671, 19584), (677, 19602), (683, 19617), (751, 19785), (769, 19839), (782, 19884), (808, 19929), (821, 19953), (831, 19986), (841, 20019), (875, 20091), (879, 20103), (896, 20154), (899, 20160), (951, 20262), (993, 20388), (1004, 20409),

Gene: CherryCola_35 Start: 26753, Stop: 28561, Start Num: 93
Candidate Starts for CherryCola_35:
(93, 26753), (Start: 111 @26795 has 74 MA's), (Start: 131 @26831 has 1 MA's), (Start: 159 @26864 has 217 MA's), (287, 27074), (289, 27077), (323, 27107), (351, 27173), (367, 27197), (372, 27206), (393, 27239), (478, 27392), (495, 27431), (535, 27482), (539, 27494), (543, 27512), (548, 27524), (553, 27536), (562, 27551), (571, 27581), (572, 27584), (579, 27605), (636, 27677), (689, 27803), (699, 27836), (724, 27869), (740, 27908), (743, 27911), (769, 27983), (803, 28049), (809, 28061), (879, 28232), (883, 28244), (885, 28250), (896, 28283), (909, 28310), (917, 28337), (943, 28391), (984, 28508), (990, 28529), (1000, 28556),

Gene: Cherrybomb426_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Cherrybomb426_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: CherryonLim_19 Start: 16167, Stop: 17864, Start Num: 141
Candidate Starts for CherryonLim_19:
(Start: 141 @16167 has 37 MA's), (Start: 151 @16170 has 50 MA's), (235, 16269), (259, 16311), (271, 16332), (400, 16551), (462, 16668), (477, 16695), (495, 16740), (508, 16758), (525, 16773), (534, 16788), (553, 16845), (567, 16878), (571, 16890), (620, 16977), (635, 16995), (652, 17025), (666, 17055), (671, 17070), (688, 17118), (707, 17169), (731, 17205), (736, 17220), (744, 17238), (767, 17295), (832, 17424), (835, 17436), (878, 17535), (879, 17538), (885, 17556), (914, 17634), (925, 17661), (945, 17703), (994, 17850), (998, 17856),

Gene: Chevrolet_16 Start: 14845, Stop: 16554, Start Num: 142
Candidate Starts for Chevrolet_16:
(Start: 142 @14845 has 207 MA's), (215, 14932), (Start: 249 @14977 has 2 MA's), (258, 15001), (299, 15106), (301, 15112), (309, 15130), (332, 15160), (390, 15265), (422, 15325), (434, 15346), (437, 15355), (447, 15373), (450, 15379), (535, 15454), (539, 15466), (544, 15481), (546, 15487), (558,

15505), (564, 15520), (566, 15526), (573, 15547), (580, 15562), (582, 15565), (589, 15577), (591, 15583), (605, 15631), (611, 15643), (614, 15649), (648, 15709), (653, 15721), (666, 15757), (670, 15769), (671, 15772), (677, 15790), (700, 15844), (704, 15853), (713, 15871), (715, 15877), (806, 16012), (810, 16021), (812, 16024), (825, 16060), (836, 16099), (847, 16138), (878, 16237), (885, 16258), (896, 16291), (911, 16321), (919, 16351), (922, 16357), (924, 16360), (928, 16366), (944, 16381), (945, 16384), (955, 16408), (973, 16450), (992, 16522), (993, 16528),

Gene: Chewbacca_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Chewbacca_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: ChewyVIII_56 Start: 38189, Stop: 39760, Start Num: 224
Candidate Starts for ChewyVIII_56:
(172, 38114), (Start: 224 @38189 has 1 MA's), (284, 38300), (295, 38333), (329, 38396), (404, 38519), (417, 38549), (430, 38573), (453, 38606), (469, 38630), (502, 38702), (536, 38753), (562, 38810), (579, 38864), (606, 38915), (708, 39083), (730, 39125), (769, 39227), (833, 39338), (859, 39386), (885, 39467), (899, 39506), (942, 39581), (948, 39599), (952, 39611), (980, 39686), (984, 39698), (989, 39716),

Gene: Chickadee_32 Start: 27527, Stop: 29146, Start Num: 185
Candidate Starts for Chickadee_32:
(Start: 185 @27527 has 10 MA's), (201, 27548), (247, 27611), (296, 27734), (300, 27746), (332, 27803), (373, 27881), (438, 28004), (567, 28118), (578, 28148), (596, 28190), (621, 28253), (648, 28301), (651, 28310), (670, 28361), (688, 28409), (761, 28574), (806, 28604), (840, 28703), (842, 28712), (843, 28715), (858, 28760), (873, 28817), (875, 28823), (877, 28829), (893, 28877), (896, 28886), (899, 28892), (901, 28895), (919, 28946), (948, 28991), (974, 29060), (989, 29108), (992, 29120),

Gene: ChickenDinner_17 Start: 14677, Stop: 16386, Start Num: 142
Candidate Starts for ChickenDinner_17:
(Start: 142 @14677 has 207 MA's), (215, 14764), (Start: 249 @14809 has 2 MA's), (258, 14833), (299, 14938), (301, 14944), (309, 14962), (320, 14971), (332, 14992), (390, 15097), (422, 15157), (425, 15166), (434, 15178), (437, 15187), (450, 15211), (473, 15247), (475, 15253), (482, 15265), (535, 15286), (536, 15289), (539, 15298), (544, 15313), (546, 15319), (558, 15337), (564, 15352), (566, 15358), (572, 15376), (573, 15379), (580, 15394), (589, 15409), (591, 15415), (605, 15463), (611, 15475), (614, 15481), (648, 15541), (653, 15553), (658, 15562), (666, 15589), (670, 15601), (700, 15676), (704, 15685), (713, 15703), (715, 15709), (730, 15739), (806, 15844), (810, 15853), (812, 15856), (825, 15892), (847, 15970), (878, 16069), (885, 16090), (896, 16123), (911, 16153), (919, 16183), (922, 16189), (924, 16192), (928, 16198), (944, 16213), (945, 16216), (953, 16237), (955, 16240), (973, 16282), (992, 16354), (993, 16360),

Gene: ChickenTender_20 Start: 15797, Stop: 17494, Start Num: 151
Candidate Starts for ChickenTender_20:
(Start: 141 @15794 has 37 MA's), (Start: 151 @15797 has 50 MA's), (287, 16007), (400, 16181), (430, 16241), (445, 16268), (462, 16298), (465, 16301), (475, 16319), (477, 16325), (488, 16355), (525, 16403), (530, 16415), (541, 16442), (567, 16508), (571, 16520), (652, 16655), (666, 16685), (691,

16757), (731, 16835), (736, 16850), (744, 16868), (767, 16925), (835, 17066), (837, 17072), (841, 17084), (853, 17093), (878, 17165), (879, 17168), (881, 17174), (885, 17186), (909, 17246), (919, 17279), (925, 17291), (931, 17300), (945, 17333), (973, 17399), (989, 17459),

Gene: ChipMunk_30 Start: 20600, Stop: 22372, Start Num: 156
Candidate Starts for ChipMunk_30:
(Start: 136 @20576 has 48 MA's), (Start: 156 @20600 has 559 MA's), (238, 20699), (281, 20783), (323, 20834), (325, 20837), (366, 20909), (367, 20912), (402, 20966), (421, 21005), (465, 21083), (508, 21170), (550, 21251), (556, 21254), (675, 21527), (723, 21632), (731, 21647), (775, 21773), (777, 21779), (808, 21827), (813, 21836), (821, 21857), (831, 21890), (835, 21905), (837, 21911), (855, 21965), (866, 22004), (869, 22019), (899, 22103), (945, 22214),

Gene: Chiqui_26 Start: 20176, Stop: 21975, Start Num: 156
Candidate Starts for Chiqui_26:
(Start: 156 @20176 has 559 MA's), (Start: 204 @20236 has 1 MA's), (254, 20305), (Start: 303 @20407 has 11 MA's), (323, 20419), (325, 20422), (367, 20497), (376, 20512), (379, 20515), (402, 20551), (475, 20686), (508, 20755), (567, 20869), (615, 20995), (674, 21109), (675, 21112), (683, 21133), (689, 21151), (731, 21232), (762, 21307), (767, 21325), (769, 21334), (775, 21358), (777, 21364), (782, 21379), (800, 21412), (820, 21457), (821, 21460), (828, 21481), (831, 21493), (899, 21706), (911, 21730), (943, 21811), (945, 21817), (985, 21928), (992, 21952),

Gene: ChocoMunchkin_18 Start: 15395, Stop: 17095, Start Num: 141
Candidate Starts for ChocoMunchkin_18:
(Start: 141 @15395 has 37 MA's), (Start: 151 @15398 has 50 MA's), (235, 15500), (241, 15512), (287, 15608), (344, 15692), (400, 15782), (430, 15842), (445, 15869), (462, 15899), (465, 15902), (495, 15971), (525, 16004), (530, 16016), (534, 16019), (540, 16040), (541, 16043), (567, 16109), (571, 16121), (666, 16286), (731, 16436), (736, 16451), (744, 16469), (767, 16526), (835, 16667), (837, 16673), (841, 16685), (853, 16694), (878, 16766), (879, 16769), (881, 16775), (885, 16787), (925, 16892), (931, 16901), (945, 16934),

Gene: Chop_22 Start: 17878, Stop: 19584, Start Num: 222
Candidate Starts for Chop_22:
(Start: 164 @17803 has 1 MA's), (Start: 222 @17878 has 16 MA's), (272, 17971), (277, 17986), (280, 17992), (309, 18067), (343, 18139), (397, 18250), (421, 18295), (430, 18313), (436, 18325), (534, 18496), (537, 18505), (539, 18511), (576, 18607), (599, 18658), (674, 18781), (688, 18820), (747, 18952), (784, 19066), (831, 19153), (878, 19267), (881, 19276), (925, 19381), (969, 19468), (1004, 19576),

Gene: ChosenOne_23 Start: 18953, Stop: 20632, Start Num: 147
Candidate Starts for ChosenOne_23:
(Start: 147 @18953 has 120 MA's), (Start: 212 @19037 has 47 MA's), (Start: 260 @19115 has 1 MA's), (296, 19202), (301, 19217), (332, 19265), (349, 19304), (405, 19391), (420, 19424), (437, 19460), (454, 19490), (457, 19496), (538, 19565), (561, 19595), (565, 19607), (566, 19610), (591, 19667), (650, 19799), (651, 19805), (675, 19871), (677, 19877), (686, 19901), (704, 19949), (715, 19973), (721, 19982), (754, 20057), (810, 20108), (819, 20123), (867, 20285), (875, 20312), (885, 20342), (926, 20447), (971, 20525), (980, 20561), (983, 20570), (992, 20603), (998, 20618),

Gene: ChotaBhai_24 Start: 19079, Stop: 20674, Start Num: 212
Candidate Starts for ChotaBhai_24:
(Start: 147 @18995 has 120 MA's), (Start: 212 @19079 has 47 MA's), (Start: 260 @19157 has 1 MA's), (296, 19244), (301, 19259), (332, 19307), (349, 19346), (405, 19433), (420, 19466), (437, 19502), (454, 19532), (457, 19538), (538, 19607), (561, 19637), (565, 19649), (566, 19652), (591, 19709), (650, 19841), (651, 19847), (675, 19913), (677, 19919), (686, 19943), (704, 19991), (715,

20015), (721, 20024), (754, 20099), (810, 20150), (819, 20165), (867, 20327), (875, 20354), (885, 20384), (926, 20489), (971, 20567), (980, 20603), (983, 20612), (992, 20645), (998, 20660),

Gene: Chris_22 Start: 16379, Stop: 18145, Start Num: 178
Candidate Starts for Chris_22:
(Start: 146 @16340 has 1 MA's), (Start: 171 @16370 has 28 MA's), (Start: 178 @16379 has 139 MA's), (198, 16409), (272, 16535), (277, 16550), (295, 16601), (329, 16664), (376, 16772), (395, 16802), (436, 16880), (441, 16889), (465, 16928), (485, 16976), (491, 16994), (509, 17033), (512, 17036), (527, 17051), (534, 17063), (536, 17069), (541, 17087), (551, 17111), (557, 17117), (567, 17144), (579, 17180), (647, 17282), (656, 17300), (676, 17360), (724, 17462), (731, 17474), (751, 17522), (761, 17546), (774, 17597), (786, 17636), (821, 17681), (831, 17714), (833, 17720), (841, 17747), (875, 17819), (879, 17831), (896, 17882), (899, 17888), (948, 17981), (971, 18032), (983, 18077), (1004, 18137),

Gene: Chuckly_16 Start: 14978, Stop: 16687, Start Num: 142
Candidate Starts for Chuckly_16:
(Start: 142 @14978 has 207 MA's), (215, 15065), (Start: 249 @15110 has 2 MA's), (258, 15134), (299, 15239), (301, 15245), (309, 15263), (332, 15293), (390, 15398), (422, 15458), (434, 15479), (437, 15488), (450, 15512), (535, 15587), (558, 15638), (564, 15653), (566, 15659), (580, 15695), (582, 15698), (589, 15710), (591, 15716), (605, 15764), (611, 15776), (614, 15782), (648, 15842), (653, 15854), (666, 15890), (670, 15902), (700, 15977), (704, 15986), (713, 16004), (715, 16010), (730, 16040), (806, 16145), (810, 16154), (812, 16157), (825, 16193), (847, 16271), (878, 16370), (885, 16391), (896, 16424), (911, 16454), (919, 16484), (924, 16493), (928, 16499), (944, 16514), (945, 16517), (955, 16541), (968, 16571), (973, 16583), (980, 16613), (992, 16655),

Gene: Chupacabra_27 Start: 19785, Stop: 21563, Start Num: 156
Candidate Starts for Chupacabra_27:
(Start: 136 @19761 has 48 MA's), (Start: 156 @19785 has 559 MA's), (Start: 204 @19842 has 1 MA's), (215, 19857), (254, 19911), (Start: 303 @20013 has 11 MA's), (323, 20025), (325, 20028), (367, 20103), (376, 20118), (402, 20157), (465, 20274), (475, 20292), (508, 20361), (546, 20436), (567, 20475), (581, 20514), (615, 20601), (635, 20631), (644, 20646), (669, 20694), (683, 20739), (687, 20751), (689, 20757), (730, 20835), (731, 20838), (767, 20931), (769, 20940), (775, 20964), (777, 20970), (782, 20985), (808, 21018), (828, 21069), (833, 21087), (844, 21126), (845, 21132), (879, 21237), (899, 21294), (911, 21318), (912, 21324), (943, 21399), (945, 21405), (948, 21414), (992, 21540),

Gene: Ciao_27 Start: 21042, Stop: 22844, Start Num: 159
Candidate Starts for Ciao_27:
(Start: 159 @21042 has 217 MA's), (Start: 176 @21063 has 45 MA's), (Start: 204 @21105 has 1 MA's), (237, 21150), (367, 21366), (395, 21411), (402, 21420), (421, 21459), (448, 21510), (449, 21513), (556, 21708), (581, 21777), (674, 21978), (675, 21981), (683, 22002), (730, 22098), (731, 22101), (733, 22107), (762, 22176), (767, 22194), (769, 22203), (777, 22233), (821, 22329), (831, 22362), (835, 22377), (879, 22518), (899, 22575), (945, 22686),

Gene: CicholasNage_18 Start: 16748, Stop: 18517, Start Num: 136
Candidate Starts for CicholasNage_18:
(Start: 103 @16685 has 1 MA's), (Start: 111 @16706 has 74 MA's), (Start: 119 @16721 has 3 MA's), (Start: 136 @16748 has 48 MA's), (207, 16841), (241, 16889), (246, 16895), (265, 16922), (266, 16925), (269, 16931), (295, 17003), (298, 17012), (318, 17036), (327, 17051), (342, 17081), (414, 17207), (417, 17216), (427, 17237), (435, 17252), (475, 17321), (488, 17357), (501, 17378), (542, 17447), (562, 17486), (636, 17624), (644, 17636), (674, 17711), (676, 17717), (683, 17735), (695, 17774), (712, 17807), (716, 17816), (724, 17825), (730, 17834), (774, 17957), (785, 17993), (826, 18041), (830, 18053), (858, 18107), (888, 18203), (893, 18221), (895, 18227), (896, 18230), (912,

18263), (919, 18287), (951, 18350), (965, 18392), (977, 18431), (983, 18449), (989, 18470), (994, 18491),

Gene: Cici_27 Start: 19820, Stop: 21619, Start Num: 156
Candidate Starts for Cici_27:
(Start: 136 @19796 has 48 MA's), (Start: 156 @19820 has 559 MA's), (Start: 162 @19826 has 5 MA's), (Start: 204 @19880 has 1 MA's), (254, 19949), (286, 20027), (Start: 303 @20051 has 11 MA's), (325, 20066), (344, 20102), (367, 20141), (376, 20156), (402, 20195), (449, 20288), (465, 20312), (508, 20399), (567, 20513), (581, 20552), (615, 20639), (644, 20684), (674, 20753), (683, 20777), (687, 20789), (731, 20876), (762, 20951), (767, 20969), (769, 20978), (775, 21002), (777, 21008), (782, 21023), (800, 21056), (820, 21101), (821, 21104), (828, 21125), (899, 21350), (933, 21428), (943, 21455), (945, 21461), (992, 21596),

Gene: Cindaradix_26 Start: 19557, Stop: 21350, Start Num: 162
Candidate Starts for Cindaradix_26:
(Start: 136 @19527 has 48 MA's), (Start: 156 @19551 has 559 MA's), (Start: 162 @19557 has 5 MA's), (Start: 204 @19611 has 1 MA's), (254, 19680), (286, 19758), (Start: 303 @19782 has 11 MA's), (325, 19797), (344, 19833), (367, 19872), (376, 19887), (402, 19926), (449, 20019), (465, 20043), (508, 20130), (567, 20244), (581, 20283), (615, 20370), (644, 20415), (674, 20484), (683, 20508), (687, 20520), (731, 20607), (762, 20682), (767, 20700), (769, 20709), (775, 20733), (777, 20739), (782, 20754), (800, 20787), (820, 20832), (821, 20835), (828, 20856), (899, 21081), (943, 21186), (945, 21192), (992, 21327),

Gene: Cintron_27 Start: 19875, Stop: 21653, Start Num: 156
Candidate Starts for Cintron_27:
(Start: 136 @19851 has 48 MA's), (Start: 156 @19875 has 559 MA's), (Start: 204 @19932 has 1 MA's), (241, 19986), (254, 20001), (Start: 260 @20019 has 1 MA's), (Start: 303 @20103 has 11 MA's), (323, 20115), (325, 20118), (367, 20193), (376, 20208), (402, 20247), (465, 20364), (508, 20451), (550, 20532), (572, 20580), (581, 20604), (615, 20691), (644, 20736), (675, 20808), (683, 20829), (689, 20847), (731, 20928), (767, 21021), (769, 21030), (775, 21054), (777, 21060), (784, 21084), (821, 21138), (828, 21159), (842, 21210), (850, 21234), (867, 21288), (899, 21384), (943, 21489), (948, 21504), (987, 21612), (992, 21630),

Gene: Citius_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Citius_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Cjw1_24 Start: 20668, Stop: 22185, Start Num: 260
Candidate Starts for Cjw1_24:
(Start: 147 @20506 has 120 MA's), (Start: 212 @20590 has 47 MA's), (Start: 260 @20668 has 1 MA's), (296, 20755), (301, 20770), (332, 20818), (349, 20857), (405, 20944), (420, 20977), (437, 21013), (454, 21043), (457, 21049), (538, 21118), (561, 21148), (565, 21160), (566, 21163), (591, 21220), (650, 21352), (651, 21358), (675, 21424), (677, 21430), (686, 21454), (704, 21502), (715, 21526), (721, 21535), (754, 21610), (810, 21661), (819, 21676), (867, 21838), (875, 21865), (885, 21895), (926, 22000), (971, 22078), (980, 22114), (983, 22123), (992, 22156), (998, 22171),

Gene: ClamChowder_33 Start: 26575, Stop: 28341, Start Num: 111

Candidate Starts for ClamChowder_33:
(93, 26533), (Start: 111 @26575 has 74 MA's), (Start: 131 @26611 has 1 MA's), (Start: 159 @26644 has 217 MA's), (287, 26854), (289, 26857), (323, 26887), (351, 26953), (367, 26977), (372, 26986), (393, 27019), (478, 27172), (495, 27211), (535, 27262), (539, 27274), (543, 27292), (548, 27304), (553, 27316), (562, 27331), (571, 27361), (572, 27364), (579, 27385), (636, 27457), (663, 27505), (699, 27616), (724, 27649), (743, 27691), (769, 27763), (803, 27829), (809, 27841), (879, 28012), (880, 28015), (896, 28063), (909, 28090), (917, 28117), (943, 28171), (984, 28288), (990, 28309), (1000, 28336),

Gene: Clap_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for Clap_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Clarenza_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Clarenza_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Clark_20 Start: 17346, Stop: 18926, Start Num: 213
Candidate Starts for Clark_20:
(123, 17229), (Start: 213 @17346 has 53 MA's), (358, 17604), (369, 17625), (406, 17679), (423, 17718), (455, 17775), (469, 17796), (585, 17967), (592, 17985), (606, 18009), (631, 18030), (663, 18072), (691, 18153), (730, 18243), (747, 18288), (768, 18345), (769, 18348), (784, 18402), (836, 18492), (948, 18771), (951, 18780), (965, 18810),

Gene: Clarkson_51 Start: 27400, Stop: 29112, Start Num: 175
Candidate Starts for Clarkson_51:
(122, 27337), (Start: 175 @27400 has 56 MA's), (Start: 233 @27481 has 1 MA's), (266, 27538), (296, 27619), (298, 27625), (339, 27682), (342, 27694), (346, 27706), (367, 27745), (376, 27760), (417, 27829), (445, 27883), (449, 27892), (539, 28048), (562, 28096), (564, 28105), (567, 28114), (581, 28153), (590, 28168), (636, 28231), (644, 28243), (689, 28360), (712, 28414), (729, 28441), (731, 28444), (738, 28465), (758, 28507), (820, 28627), (826, 28645), (881, 28789), (896, 28834), (905, 28852), (942, 28936), (945, 28945), (951, 28963), (961, 28984), (977, 29029), (979, 29035), (983, 29047), (986, 29059), (990, 29071), (998, 29095), (1002, 29101),

Gene: Claus_18 Start: 16970, Stop: 18703, Start Num: 175
Candidate Starts for Claus_18:
(Start: 175 @16970 has 56 MA's), (223, 17039), (295, 17180), (296, 17183), (318, 17213), (327, 17228), (343, 17261), (366, 17306), (400, 17360), (414, 17387), (419, 17399), (445, 17450), (448, 17456), (469, 17489), (546, 17642), (562, 17666), (564, 17675), (579, 17720), (601, 17771), (686, 17933), (712, 17996), (746, 18068), (764, 18104), (819, 18203), (824, 18224), (826, 18230), (830, 18242), (860, 18305), (888, 18392), (896, 18419), (912, 18452), (925, 18488), (935, 18503), (943, 18515), (951, 18539), (977, 18617), (983, 18635),

Gene: Clautastrophe_19 Start: 17373, Stop: 19136, Start Num: 136
Candidate Starts for Clautastrophe_19:
(Start: 136 @17373 has 48 MA's), (Start: 161 @17400 has 14 MA's), (207, 17463), (241, 17511), (246, 17517), (269, 17553), (296, 17628), (Start: 303 @17652 has 11 MA's), (318, 17658), (346, 17715), (414, 17829), (419, 17841), (478, 17952), (556, 18096), (562, 18108), (572, 18141), (674, 18330), (676, 18336), (695, 18393), (716, 18435), (724, 18444), (731, 18456), (762, 18531), (782, 18600), (785, 18612), (826, 18660), (858, 18726), (881, 18804), (896, 18849), (919, 18906), (951, 18969), (963, 19005), (969, 19020), (977, 19050), (979, 19056), (983, 19068), (985, 19077), (989, 19089),

Gene: Cleo_18 Start: 15991, Stop: 17682, Start Num: 151
Candidate Starts for Cleo_18:
(Start: 151 @15991 has 50 MA's), (241, 16105), (Start: 260 @16138 has 1 MA's), (377, 16339), (400, 16375), (445, 16462), (495, 16564), (525, 16597), (530, 16609), (534, 16612), (553, 16669), (567, 16702), (572, 16717), (583, 16744), (598, 16783), (635, 16819), (637, 16825), (666, 16879), (674, 16903), (688, 16942), (690, 16948), (730, 17020), (736, 17038), (740, 17047), (744, 17056), (767, 17113), (771, 17131), (832, 17242), (835, 17254), (853, 17281), (878, 17353), (879, 17356), (914, 17452), (925, 17479), (940, 17503), (945, 17521),

Gene: Clifton_16 Start: 14762, Stop: 16471, Start Num: 142
Candidate Starts for Clifton_16:
(Start: 142 @14762 has 207 MA's), (215, 14849), (Start: 249 @14894 has 2 MA's), (258, 14918), (299, 15023), (301, 15029), (309, 15047), (332, 15077), (390, 15182), (422, 15242), (434, 15263), (437, 15272), (450, 15296), (558, 15422), (564, 15437), (566, 15443), (580, 15479), (582, 15482), (589, 15494), (591, 15500), (605, 15548), (611, 15560), (614, 15566), (648, 15626), (653, 15638), (666, 15674), (670, 15686), (700, 15761), (704, 15770), (713, 15788), (715, 15794), (730, 15824), (806, 15929), (810, 15938), (812, 15941), (825, 15977), (847, 16055), (878, 16154), (885, 16175), (896, 16208), (911, 16238), (919, 16268), (924, 16277), (928, 16283), (944, 16298), (945, 16301), (955, 16325), (968, 16355), (973, 16367), (980, 16397), (992, 16439),

Gene: Clipper_25 Start: 17165, Stop: 18931, Start Num: 178
Candidate Starts for Clipper_25:
(Start: 178 @17165 has 139 MA's), (198, 17195), (284, 17354), (295, 17387), (311, 17417), (329, 17450), (335, 17462), (371, 17552), (400, 17594), (436, 17666), (441, 17675), (465, 17714), (484, 17759), (485, 17762), (491, 17780), (492, 17783), (527, 17837), (536, 17855), (551, 17897), (557, 17903), (567, 17930), (647, 18068), (656, 18086), (670, 18128), (676, 18146), (688, 18176), (702, 18203), (751, 18308), (821, 18467), (832, 18503), (841, 18533), (853, 18542), (879, 18617), (896, 18668), (983, 18863), (993, 18902), (994, 18905), (1004, 18923),

Gene: CloudWang3_31 Start: 19949, Stop: 21745, Start Num: 136
Candidate Starts for CloudWang3_31:
(110, 19907), (Start: 136 @19949 has 48 MA's), (Start: 156 @19973 has 559 MA's), (325, 20210), (366, 20282), (367, 20285), (376, 20300), (402, 20339), (406, 20345), (465, 20456), (469, 20462), (484, 20501), (508, 20543), (536, 20582), (550, 20624), (556, 20627), (615, 20783), (684, 20924), (689, 20939), (777, 21152), (828, 21251), (835, 21278), (852, 21329), (855, 21338), (866, 21377), (869, 21392), (899, 21476), (943, 21581), (945, 21587), (992, 21722),

Gene: Clown_35 Start: 28603, Stop: 30369, Start Num: 111
Candidate Starts for Clown_35:
(86, 28540), (Start: 111 @28603 has 74 MA's), (Start: 159 @28672 has 217 MA's), (287, 28882), (289, 28885), (290, 28888), (323, 28915), (351, 28981), (367, 29005), (372, 29014), (451, 29152), (474, 29188), (543, 29320), (548, 29332), (553, 29344), (562, 29359), (571, 29389), (579, 29413), (590, 29431), (636, 29485), (663, 29533), (664, 29536), (683, 29593), (689, 29611), (699, 29644), (724, 29677), (730, 29686), (732, 29692), (769, 29791), (803, 29857), (879, 30040), (880, 30043), (883,

30052), (896, 30091), (909, 30118), (917, 30145), (919, 30151), (943, 30199), (945, 30205), (952, 30226), (984, 30316), (990, 30337),

Gene: ClubL_48 Start: 29531, Stop: 31222, Start Num: 165
Candidate Starts for ClubL_48:
(Start: 165 @29531 has 14 MA's), (207, 29591), (229, 29624), (250, 29657), (299, 29783), (317, 29816), (322, 29825), (392, 29954), (418, 30002), (591, 30215), (592, 30221), (600, 30245), (661, 30374), (666, 30395), (677, 30428), (754, 30626), (844, 30779), (875, 30878), (879, 30890), (882, 30899), (913, 30983), (981, 31130), (991, 31166), (994, 31178),

Gene: Coco12_18 Start: 15204, Stop: 16913, Start Num: 142
Candidate Starts for Coco12_18:
(Start: 142 @15204 has 207 MA's), (215, 15291), (Start: 249 @15336 has 2 MA's), (258, 15360), (299, 15465), (301, 15471), (309, 15489), (332, 15519), (390, 15624), (422, 15684), (434, 15705), (437, 15714), (450, 15738), (535, 15813), (536, 15816), (558, 15864), (564, 15879), (566, 15885), (580, 15921), (582, 15924), (589, 15936), (591, 15942), (605, 15990), (611, 16002), (614, 16008), (648, 16068), (653, 16080), (666, 16116), (670, 16128), (700, 16203), (704, 16212), (713, 16230), (715, 16236), (730, 16266), (806, 16371), (810, 16380), (812, 16383), (825, 16419), (847, 16497), (878, 16596), (885, 16617), (896, 16650), (911, 16680), (919, 16710), (924, 16719), (928, 16725), (944, 16740), (945, 16743), (968, 16797), (973, 16809), (980, 16839), (992, 16881),

Gene: Cocoaberry_27 Start: 19831, Stop: 21609, Start Num: 156
Candidate Starts for Cocoaberry_27:
(Start: 136 @19807 has 48 MA's), (Start: 156 @19831 has 559 MA's), (Start: 204 @19888 has 1 MA's), (241, 19942), (254, 19957), (Start: 260 @19975 has 1 MA's), (Start: 303 @20059 has 11 MA's), (323, 20071), (325, 20074), (367, 20149), (376, 20164), (402, 20203), (465, 20320), (508, 20407), (550, 20488), (572, 20536), (581, 20560), (615, 20647), (644, 20692), (675, 20764), (683, 20785), (689, 20803), (731, 20884), (767, 20977), (769, 20986), (775, 21010), (777, 21016), (784, 21040), (821, 21094), (828, 21115), (842, 21166), (850, 21190), (867, 21244), (899, 21340), (943, 21445), (948, 21460), (987, 21568), (992, 21586),

Gene: CoffeeBean_45 Start: 31300, Stop: 32874, Start Num: 211
Candidate Starts for CoffeeBean_45:
(Start: 211 @31300 has 16 MA's), (218, 31309), (256, 31363), (268, 31387), (277, 31390), (419, 31660), (458, 31723), (469, 31738), (529, 31855), (536, 31870), (562, 31927), (564, 31936), (577, 31978), (590, 31999), (600, 32029), (655, 32086), (690, 32161), (734, 32257), (773, 32362), (774, 32365), (783, 32392), (837, 32470), (861, 32509), (915, 32665), (954, 32731),

Gene: Colbster_29 Start: 20379, Stop: 22175, Start Num: 156
Candidate Starts for Colbster_29:
(Start: 156 @20379 has 559 MA's), (Start: 204 @20436 has 1 MA's), (215, 20451), (238, 20484), (254, 20505), (259, 20520), (Start: 303 @20607 has 11 MA's), (323, 20619), (325, 20622), (367, 20697), (376, 20712), (400, 20748), (508, 20955), (567, 21069), (581, 21108), (615, 21195), (674, 21309), (683, 21333), (689, 21351), (731, 21432), (762, 21507), (767, 21525), (775, 21558), (777, 21564), (790, 21603), (820, 21657), (821, 21660), (828, 21681), (844, 21738), (899, 21906), (943, 22011), (945, 22017), (992, 22152),

Gene: Coleslaw_18 Start: 16640, Stop: 18394, Start Num: 194
Candidate Starts for Coleslaw_18:
(Start: 171 @16631 has 28 MA's), (Start: 194 @16640 has 44 MA's), (Start: 196 @16646 has 2 MA's), (201, 16652), (277, 16784), (295, 16835), (311, 16865), (325, 16889), (367, 16991), (391, 17030), (395, 17036), (406, 17051), (425, 17096), (488, 17216), (513, 17273), (536, 17312), (557, 17360), (567, 17387), (571, 17399), (607, 17480), (647, 17525), (731, 17723), (743, 17753), (751, 17771),

(762, 17798), (785, 17882), (805, 17900), (818, 17915), (831, 17963), (835, 17978), (867, 18041), (885, 18098), (899, 18137), (915, 18179), (948, 18230), (983, 18326), (1004, 18386),

Gene: Colin_32 Start: 21871, Stop: 23667, Start Num: 136
Candidate Starts for Colin_32:
(Start: 136 @21871 has 48 MA's), (Start: 156 @21895 has 559 MA's), (323, 22129), (325, 22132), (366, 22204), (367, 22207), (402, 22261), (406, 22267), (421, 22300), (465, 22378), (508, 22465), (550, 22546), (556, 22549), (567, 22579), (675, 22822), (689, 22861), (712, 22912), (723, 22927), (731, 22942), (777, 23074), (808, 23122), (821, 23152), (825, 23164), (835, 23200), (837, 23206), (855, 23260), (869, 23314), (899, 23398), (925, 23464), (943, 23503), (945, 23509),

Gene: Collard_21 Start: 17552, Stop: 19324, Start Num: 181
Candidate Starts for Collard_21:
(Start: 181 @17552 has 15 MA's), (Start: 186 @17558 has 1 MA's), (201, 17582), (228, 17615), (256, 17663), (277, 17717), (295, 17768), (329, 17831), (376, 17939), (436, 18047), (491, 18161), (492, 18164), (512, 18203), (527, 18218), (534, 18230), (536, 18236), (547, 18272), (551, 18278), (557, 18284), (571, 18323), (579, 18347), (647, 18449), (671, 18512), (751, 18692), (782, 18791), (824, 18869), (831, 18893), (833, 18899), (851, 18932), (879, 19010), (881, 19016), (951, 19169), (988, 19274), (989, 19277), (993, 19295),

Gene: Colleen_19 Start: 17425, Stop: 19089, Start Num: 159
Candidate Starts for Colleen_19:
(Start: 159 @17425 has 217 MA's), (184, 17458), (346, 17716), (395, 17794), (462, 17917), (469, 17926), (471, 17929), (475, 17938), (478, 17947), (556, 18088), (562, 18100), (579, 18154), (667, 18289), (678, 18322), (686, 18340), (690, 18352), (694, 18367), (730, 18427), (737, 18448), (740, 18457), (767, 18523), (775, 18556), (808, 18586), (811, 18592), (813, 18595), (835, 18664), (878, 18763), (881, 18772), (944, 18928), (948, 18940),

Gene: Command613_25 Start: 20014, Stop: 21693, Start Num: 147
Candidate Starts for Command613_25:
(Start: 147 @20014 has 120 MA's), (Start: 212 @20098 has 47 MA's), (Start: 260 @20176 has 1 MA's), (296, 20263), (301, 20278), (332, 20326), (349, 20365), (405, 20452), (420, 20485), (437, 20521), (454, 20551), (457, 20557), (538, 20626), (561, 20656), (565, 20668), (566, 20671), (591, 20728), (650, 20860), (651, 20866), (675, 20932), (677, 20938), (686, 20962), (704, 21010), (715, 21034), (721, 21043), (754, 21118), (810, 21169), (819, 21184), (867, 21346), (875, 21373), (885, 21403), (926, 21508), (971, 21586), (980, 21622), (983, 21631), (992, 21664), (998, 21679),

Gene: Commandaria_43 Start: 31143, Stop: 32756, Start Num: 202
Candidate Starts for Commandaria_43:
(Start: 202 @31143 has 36 MA's), (Start: 231 @31179 has 1 MA's), (242, 31197), (261, 31230), (277, 31257), (379, 31458), (417, 31524), (458, 31590), (469, 31605), (519, 31716), (535, 31746), (536, 31749), (556, 31794), (562, 31806), (576, 31854), (577, 31857), (663, 31983), (686, 32028), (687, 32031), (704, 32070), (728, 32118), (773, 32244), (785, 32280), (878, 32445), (885, 32466), (912, 32535), (945, 32589), (954, 32613), (980, 32685), (998, 32742),

Gene: Commander_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Commander_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456),

(987, 21564), (992, 21582),

Gene: ConceptII_29 Start: 22056, Stop: 23858, Start Num: 159
Candidate Starts for ConceptII_29:
(Start: 159 @22056 has 217 MA's), (Start: 176 @22077 has 45 MA's), (Start: 204 @22119 has 1 MA's), (237, 22164), (367, 22380), (395, 22425), (402, 22434), (421, 22473), (448, 22524), (449, 22527), (495, 22620), (556, 22722), (581, 22791), (674, 22992), (675, 22995), (683, 23016), (730, 23112), (731, 23115), (733, 23121), (762, 23190), (767, 23208), (769, 23217), (777, 23247), (821, 23343), (831, 23376), (835, 23391), (879, 23532), (899, 23589), (945, 23700),

Gene: Confidence_20 Start: 17560, Stop: 19266, Start Num: 157
Candidate Starts for Confidence_20:
(Start: 137 @17536 has 45 MA's), (Start: 157 @17560 has 24 MA's), (238, 17665), (262, 17707), (302, 17782), (367, 17896), (445, 18043), (448, 18049), (546, 18232), (577, 18307), (690, 18514), (730, 18589), (737, 18610), (767, 18685), (809, 18772), (826, 18808), (829, 18817), (835, 18841), (837, 18847), (868, 18913), (879, 18943), (943, 19099), (945, 19105), (951, 19123), (990, 19234),

Gene: Connomayer_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Connomayer_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Conquerage_30 Start: 21779, Stop: 23569, Start Num: 156
Candidate Starts for Conquerage_30:
(Start: 153 @21776 has 9 MA's), (Start: 156 @21779 has 559 MA's), (323, 22013), (325, 22016), (366, 22088), (367, 22091), (376, 22106), (402, 22145), (406, 22151), (465, 22262), (508, 22349), (550, 22430), (556, 22433), (575, 22493), (635, 22619), (669, 22682), (675, 22706), (677, 22712), (689, 22745), (731, 22826), (775, 22952), (788, 22994), (821, 23054), (831, 23087), (835, 23102), (866, 23201), (867, 23204), (869, 23216), (899, 23300), (925, 23366), (943, 23405), (945, 23411), (964, 23456), (983, 23513), (984, 23516),

Gene: Conspiracy_24 Start: 19564, Stop: 21363, Start Num: 156
Candidate Starts for Conspiracy_24:
(Start: 156 @19564 has 559 MA's), (Start: 260 @19702 has 1 MA's), (325, 19801), (367, 19876), (400, 19927), (436, 19999), (445, 20014), (465, 20047), (469, 20053), (522, 20146), (567, 20248), (575, 20278), (579, 20284), (615, 20374), (635, 20404), (670, 20476), (674, 20488), (675, 20491), (689, 20530), (694, 20548), (730, 20608), (731, 20611), (752, 20662), (767, 20704), (820, 20845), (833, 20887), (945, 21205), (992, 21340),

Gene: Constella_31 Start: 26122, Stop: 28120, Start Num: 141
Candidate Starts for Constella_31:
(Start: 141 @26122 has 37 MA's), (Start: 212 @26212 has 47 MA's), (245, 26260), (258, 26290), (272, 26317), (317, 26419), (334, 26449), (385, 26548), (407, 26584), (409, 26590), (420, 26611), (457, 26683), (464, 26692), (475, 26713), (546, 26782), (566, 26821), (567, 26824), (572, 26839), (591, 26878), (605, 26926), (611, 26938), (614, 26944), (630, 26992), (635, 27001), (650, 27022), (658, 27040), (673, 27088), (713, 27190), (740, 27250), (746, 27262), (766, 27307), (768, 27319), (795, 27454), (796, 27460), (797, 27484), (798, 27556), (804, 27583), (886, 27832),

Gene: Contagion_23 Start: 19253, Stop: 20932, Start Num: 147
Candidate Starts for Contagion_23:
(Start: 147 @19253 has 120 MA's), (Start: 212 @19337 has 47 MA's), (Start: 260 @19415 has 1 MA's), (296, 19502), (301, 19517), (332, 19565), (349, 19604), (405, 19691), (420, 19724), (437, 19760), (454, 19790), (457, 19796), (538, 19865), (561, 19895), (565, 19907), (566, 19910), (591, 19967), (650, 20099), (651, 20105), (675, 20171), (677, 20177), (686, 20201), (704, 20249), (715, 20273), (721, 20282), (754, 20357), (810, 20408), (819, 20423), (867, 20585), (875, 20612), (885, 20642), (926, 20747), (971, 20825), (980, 20861), (983, 20870), (992, 20903), (998, 20918),

Gene: Coog_24 Start: 19707, Stop: 21503, Start Num: 156
Candidate Starts for Coog_24:
(Start: 144 @19695 has 2 MA's), (Start: 156 @19707 has 559 MA's), (241, 19812), (Start: 260 @19845 has 1 MA's), (325, 19944), (367, 20019), (376, 20034), (400, 20070), (436, 20142), (445, 20157), (469, 20196), (575, 20421), (579, 20427), (644, 20562), (670, 20619), (671, 20622), (674, 20631), (689, 20673), (694, 20691), (730, 20751), (731, 20754), (767, 20847), (769, 20856), (775, 20880), (820, 20988), (831, 21024), (899, 21234), (942, 21336), (945, 21345), (992, 21480), (994, 21489),

Gene: Cookiedough_31 Start: 19969, Stop: 21741, Start Num: 156
Candidate Starts for Cookiedough_31:
(110, 19903), (Start: 136 @19945 has 48 MA's), (Start: 156 @19969 has 559 MA's), (286, 20167), (325, 20206), (366, 20278), (367, 20281), (379, 20299), (402, 20335), (406, 20341), (465, 20452), (469, 20458), (484, 20497), (508, 20539), (536, 20578), (550, 20620), (556, 20623), (575, 20683), (684, 20920), (689, 20935), (731, 21016), (777, 21148), (835, 21274), (852, 21325), (855, 21334), (866, 21373), (867, 21376), (869, 21388), (899, 21472), (943, 21577), (945, 21583), (992, 21718),

Gene: Cookies_24 Start: 19615, Stop: 21294, Start Num: 147
Candidate Starts for Cookies_24:
(Start: 147 @19615 has 120 MA's), (Start: 212 @19699 has 47 MA's), (Start: 260 @19777 has 1 MA's), (296, 19864), (301, 19879), (332, 19927), (349, 19966), (405, 20053), (420, 20086), (437, 20122), (454, 20152), (457, 20158), (538, 20227), (561, 20257), (565, 20269), (566, 20272), (591, 20329), (650, 20461), (651, 20467), (675, 20533), (677, 20539), (686, 20563), (704, 20611), (715, 20635), (721, 20644), (754, 20719), (810, 20770), (819, 20785), (867, 20947), (875, 20974), (885, 21004), (926, 21109), (971, 21187), (980, 21223), (983, 21232), (992, 21265), (998, 21280),

Gene: Corazon_48 Start: 27353, Stop: 29065, Start Num: 175
Candidate Starts for Corazon_48:
(122, 27290), (Start: 175 @27353 has 56 MA's), (Start: 233 @27434 has 1 MA's), (266, 27491), (296, 27572), (298, 27578), (339, 27635), (342, 27647), (346, 27659), (367, 27698), (376, 27713), (417, 27782), (445, 27836), (449, 27845), (539, 28001), (562, 28049), (564, 28058), (567, 28067), (581, 28106), (590, 28121), (636, 28184), (644, 28196), (689, 28313), (690, 28316), (712, 28367), (729, 28394), (731, 28397), (738, 28418), (758, 28460), (820, 28580), (826, 28598), (881, 28742), (896, 28787), (905, 28805), (942, 28889), (945, 28898), (951, 28916), (961, 28937), (977, 28982), (979, 28988), (983, 29000), (986, 29012), (992, 29033), (998, 29048), (1002, 29054),

Gene: Coriander_19 Start: 17505, Stop: 19199, Start Num: 167
Candidate Starts for Coriander_19:
(33, 17034), (58, 17184), (122, 17463), (Start: 131 @17475 has 1 MA's), (Start: 167 @17505 has 22 MA's), (238, 17607), (256, 17634), (Start: 260 @17646 has 1 MA's), (266, 17658), (289, 17715), (333, 17766), (341, 17787), (372, 17844), (377, 17850), (462, 18000), (535, 18123), (557, 18183), (570, 18219), (619, 18303), (654, 18357), (767, 18618), (800, 18690), (801, 18693), (824, 18735), (837, 18780), (879, 18876), (880, 18879), (885, 18894), (949, 19053), (951, 19059), (984, 19146), (998, 19191),

Gene: Corium_16 Start: 14843, Stop: 16552, Start Num: 142
Candidate Starts for Corium_16:
(Start: 142 @14843 has 207 MA's), (215, 14930), (Start: 249 @14975 has 2 MA's), (258, 14999), (299, 15104), (301, 15110), (309, 15128), (332, 15158), (390, 15263), (422, 15323), (434, 15344), (437, 15353), (447, 15371), (450, 15377), (558, 15503), (564, 15518), (566, 15524), (580, 15560), (582, 15563), (589, 15575), (591, 15581), (605, 15629), (611, 15641), (614, 15647), (648, 15707), (653, 15719), (666, 15755), (670, 15767), (700, 15842), (704, 15851), (713, 15869), (715, 15875), (730, 15905), (806, 16010), (810, 16019), (812, 16022), (825, 16058), (847, 16136), (878, 16235), (885, 16256), (896, 16289), (911, 16319), (919, 16349), (924, 16358), (928, 16364), (944, 16379), (945, 16382), (955, 16406), (968, 16436), (973, 16448), (980, 16478), (992, 16520),

Gene: Corndog_59 Start: 34518, Stop: 36254, Start Num: 126
Candidate Starts for Corndog_59:
(Start: 120 @34509 has 2 MA's), (Start: 126 @34518 has 26 MA's), (Start: 195 @34608 has 1 MA's), (266, 34725), (282, 34761), (291, 34782), (299, 34809), (301, 34815), (322, 34845), (336, 34869), (363, 34920), (437, 35058), (440, 35064), (472, 35115), (473, 35118), (482, 35136), (558, 35187), (566, 35208), (567, 35211), (589, 35259), (591, 35265), (605, 35313), (607, 35319), (611, 35325), (632, 35385), (648, 35409), (650, 35412), (666, 35457), (671, 35472), (674, 35481), (677, 35490), (693, 35535), (704, 35553), (721, 35586), (812, 35724), (820, 35745), (840, 35811), (848, 35841), (865, 35895), (878, 35937), (885, 35958), (892, 35979), (896, 35991), (907, 36012), (928, 36066), (971, 36144), (980, 36180), (986, 36201), (993, 36228),

Gene: Cornucopia_17 Start: 14844, Stop: 16553, Start Num: 142
Candidate Starts for Cornucopia_17:
(Start: 142 @14844 has 207 MA's), (215, 14931), (Start: 249 @14976 has 2 MA's), (258, 15000), (299, 15105), (301, 15111), (309, 15129), (332, 15159), (390, 15264), (422, 15324), (434, 15345), (437, 15354), (450, 15378), (535, 15453), (558, 15504), (564, 15519), (566, 15525), (580, 15561), (582, 15564), (589, 15576), (591, 15582), (605, 15630), (611, 15642), (614, 15648), (648, 15708), (653, 15720), (666, 15756), (670, 15768), (700, 15843), (704, 15852), (713, 15870), (715, 15876), (730, 15906), (806, 16011), (812, 16023), (825, 16059), (847, 16137), (878, 16236), (885, 16257), (896, 16290), (911, 16320), (919, 16350), (924, 16359), (928, 16365), (944, 16380), (945, 16383), (955, 16407), (973, 16449), (992, 16521),

Gene: Corvo_28 Start: 22053, Stop: 23855, Start Num: 159
Candidate Starts for Corvo_28:
(Start: 159 @22053 has 217 MA's), (Start: 176 @22074 has 45 MA's), (Start: 204 @22116 has 1 MA's), (237, 22161), (367, 22377), (395, 22422), (402, 22431), (448, 22521), (449, 22524), (495, 22617), (556, 22719), (581, 22788), (670, 22977), (674, 22989), (675, 22992), (683, 23013), (730, 23109), (731, 23112), (733, 23118), (762, 23187), (767, 23205), (769, 23214), (777, 23244), (821, 23340), (831, 23373), (835, 23388), (879, 23529), (899, 23586), (945, 23697),

Gene: CosmicSans_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for CosmicSans_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Cosmo_40 Start: 25304, Stop: 27688, Start Num: 20
Candidate Starts for Cosmo_40:
(Start: 20 @25304 has 5 MA's), (31, 25421), (35, 25442), (36, 25445), (39, 25475), (41, 25481), (44, 25490), (59, 25580), (63, 25616), (65, 25634), (68, 25661), (69, 25673), (71, 25682), (79, 25745), (88,

25781), (102, 25817), (Start: 103 @25820 has 1 MA's), (105, 25826), (Start: 147 @25898 has 120 MA's), (173, 25928), (221, 25997), (223, 26000), (265, 26087), (273, 26105), (274, 26108), (295, 26168), (323, 26207), (343, 26249), (346, 26258), (348, 26264), (359, 26279), (366, 26294), (395, 26342), (445, 26438), (471, 26480), (473, 26483), (562, 26660), (567, 26678), (572, 26693), (575, 26708), (588, 26729), (600, 26762), (610, 26771), (635, 26801), (657, 26840), (670, 26882), (674, 26894), (675, 26897), (695, 26957), (730, 27017), (746, 27062), (764, 27098), (782, 27164), (824, 27218), (826, 27224), (858, 27290), (915, 27461), (929, 27485), (977, 27605), (984, 27626), (986, 27635), (998, 27671),

Gene: Courthouse_34 Start: 25078, Stop: 26811, Start Num: 141
Candidate Starts for Courthouse_34:
(Start: 141 @25078 has 37 MA's), (Start: 212 @25168 has 47 MA's), (215, 25171), (258, 25246), (272, 25273), (296, 25339), (317, 25375), (334, 25405), (340, 25420), (385, 25504), (407, 25540), (420, 25567), (438, 25606), (457, 25639), (464, 25648), (536, 25705), (552, 25747), (586, 25822), (591, 25834), (611, 25894), (630, 25948), (650, 25978), (658, 25996), (662, 26005), (671, 26038), (675, 26050), (677, 26056), (691, 26095), (715, 26152), (819, 26302), (822, 26320), (835, 26362), (842, 26386), (843, 26389), (847, 26404), (858, 26434), (867, 26464), (885, 26521), (958, 26671), (994, 26791), (998, 26797),

Gene: CoveyB_34 Start: 26333, Stop: 28141, Start Num: 93
Candidate Starts for CoveyB_34:
(93, 26333), (Start: 111 @26375 has 74 MA's), (Start: 131 @26411 has 1 MA's), (Start: 159 @26444 has 217 MA's), (287, 26654), (289, 26657), (323, 26687), (351, 26753), (367, 26777), (372, 26786), (393, 26819), (478, 26972), (495, 27011), (535, 27062), (539, 27074), (543, 27092), (548, 27104), (553, 27116), (562, 27131), (571, 27161), (572, 27164), (579, 27185), (636, 27257), (663, 27305), (699, 27416), (724, 27449), (740, 27488), (743, 27491), (769, 27563), (803, 27629), (809, 27641), (879, 27812), (883, 27824), (885, 27830), (896, 27863), (909, 27890), (917, 27917), (943, 27971), (984, 28088), (990, 28109), (1000, 28136),

Gene: Cozz_18 Start: 15733, Stop: 17430, Start Num: 151
Candidate Starts for Cozz_18:
(Start: 141 @15730 has 37 MA's), (Start: 151 @15733 has 50 MA's), (287, 15943), (367, 16066), (400, 16117), (445, 16204), (462, 16234), (473, 16249), (477, 16261), (525, 16339), (530, 16351), (541, 16378), (553, 16411), (567, 16444), (571, 16456), (590, 16498), (666, 16621), (691, 16693), (731, 16771), (736, 16786), (744, 16804), (767, 16861), (821, 16954), (832, 16990), (835, 17002), (837, 17008), (841, 17020), (853, 17029), (878, 17101), (879, 17104), (881, 17110), (885, 17122), (909, 17182), (925, 17227), (931, 17236), (945, 17269), (973, 17335),

Gene: Cracklewink_24 Start: 19740, Stop: 21590, Start Num: 121
Candidate Starts for Cracklewink_24:
(Start: 121 @19740 has 6 MA's), (154, 19785), (237, 19884), (256, 19920), (268, 19950), (277, 19974), (295, 20025), (296, 20028), (345, 20127), (346, 20130), (417, 20268), (427, 20289), (445, 20319), (448, 20325), (473, 20364), (495, 20430), (529, 20472), (536, 20487), (551, 20529), (568, 20565), (571, 20574), (576, 20592), (606, 20652), (609, 20658), (611, 20661), (629, 20691), (644, 20724), (647, 20727), (661, 20754), (682, 20820), (782, 21069), (860, 21216), (883, 21288), (899, 21333), (911, 21357), (912, 21363), (968, 21471), (993, 21561), (994, 21564),

Gene: Crater_18 Start: 15970, Stop: 17667, Start Num: 156
Candidate Starts for Crater_18:
(122, 15931), (Start: 156 @15970 has 559 MA's), (Start: 169 @15982 has 3 MA's), (Start: 171 @15985 has 28 MA's), (Start: 195 @16021 has 1 MA's), (223, 16060), (238, 16081), (261, 16123), (266, 16129), (268, 16132), (273, 16144), (286, 16180), (323, 16216), (346, 16273), (377, 16321), (393, 16348), (448, 16450), (473, 16489), (495, 16546), (506, 16564), (522, 16573), (525, 16579), (543,

16627), (557, 16657), (570, 16693), (572, 16699), (579, 16720), (581, 16723), (602, 16774), (636, 16801), (637, 16804), (654, 16831), (666, 16858), (691, 16930), (710, 16969), (743, 17023), (769, 17095), (783, 17140), (832, 17230), (837, 17248), (875, 17332), (878, 17341), (879, 17344), (881, 17350), (887, 17365), (897, 17395), (900, 17401), (909, 17422), (911, 17425), (933, 17479), (945, 17509), (948, 17518), (970, 17569), (980, 17602), (984, 17614), (989, 17632),

Gene: Crespo_18 Start: 16650, Stop: 18404, Start Num: 194
Candidate Starts for Crespo_18:
(Start: 171 @16641 has 28 MA's), (Start: 194 @16650 has 44 MA's), (Start: 196 @16656 has 2 MA's), (201, 16662), (277, 16794), (295, 16845), (311, 16875), (325, 16899), (367, 17001), (391, 17040), (395, 17046), (406, 17061), (425, 17106), (488, 17226), (513, 17283), (536, 17322), (557, 17370), (567, 17397), (571, 17409), (607, 17490), (647, 17535), (731, 17733), (743, 17763), (751, 17781), (762, 17808), (785, 17892), (805, 17910), (818, 17925), (831, 17973), (835, 17988), (867, 18051), (885, 18108), (899, 18147), (915, 18189), (948, 18240), (983, 18336), (1004, 18396),

Gene: CrimD_23 Start: 17126, Stop: 18892, Start Num: 178
Candidate Starts for CrimD_23:
(Start: 178 @17126 has 139 MA's), (198, 17156), (284, 17315), (295, 17348), (311, 17378), (329, 17411), (335, 17423), (371, 17513), (400, 17555), (431, 17618), (436, 17627), (441, 17636), (465, 17675), (484, 17720), (491, 17741), (492, 17744), (536, 17816), (551, 17858), (557, 17864), (567, 17891), (647, 18029), (656, 18047), (670, 18089), (676, 18107), (688, 18137), (702, 18164), (751, 18269), (821, 18428), (832, 18464), (841, 18494), (853, 18503), (879, 18578), (896, 18629), (983, 18824), (993, 18863), (994, 18866), (1004, 18884),

Gene: Crispicous1_26 Start: 20570, Stop: 22372, Start Num: 159
Candidate Starts for Crispicous1_26:
(Start: 159 @20570 has 217 MA's), (Start: 176 @20591 has 45 MA's), (Start: 204 @20633 has 1 MA's), (237, 20678), (367, 20894), (395, 20939), (402, 20948), (421, 20987), (448, 21038), (469, 21071), (556, 21236), (581, 21305), (674, 21506), (675, 21509), (683, 21530), (730, 21626), (731, 21629), (733, 21635), (762, 21704), (767, 21722), (769, 21731), (777, 21761), (821, 21857), (831, 21890), (835, 21905), (879, 22046), (899, 22103), (945, 22214),

Gene: Crossroads_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for Crossroads_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (875, 18375), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Crucio_28 Start: 20118, Stop: 21890, Start Num: 156
Candidate Starts for Crucio_28:
(110, 20052), (Start: 136 @20094 has 48 MA's), (Start: 156 @20118 has 559 MA's), (238, 20217), (281, 20301), (323, 20352), (325, 20355), (366, 20427), (367, 20430), (402, 20484), (421, 20523), (445, 20568), (465, 20601), (508, 20688), (550, 20769), (556, 20772), (675, 21045), (731, 21165), (808, 21345), (831, 21408), (835, 21423), (837, 21429), (855, 21483), (866, 21522), (869, 21537), (899, 21621), (945, 21732), (992, 21867),

Gene: Cruella_31 Start: 28482, Stop: 30080, Start Num: 211
Candidate Starts for Cruella_31:
(Start: 211 @28482 has 16 MA's), (280, 28581), (307, 28650), (331, 28689), (404, 28824), (433, 28884), (522, 29037), (529, 29049), (534, 29058), (535, 29061), (551, 29106), (562, 29121), (564,

29130), (567, 29139), (590, 29193), (596, 29211), (643, 29265), (747, 29481), (778, 29574), (849, 29682), (870, 29736), (895, 29811), (954, 29940), (997, 30066),

Gene: Crumble_16 Start: 14809, Stop: 16518, Start Num: 142
Candidate Starts for Crumble_16:
(Start: 142 @14809 has 207 MA's), (215, 14896), (Start: 249 @14941 has 2 MA's), (258, 14965), (299, 15070), (301, 15076), (309, 15094), (332, 15124), (390, 15229), (422, 15289), (434, 15310), (437, 15319), (450, 15343), (535, 15418), (536, 15421), (558, 15469), (564, 15484), (566, 15490), (580, 15526), (582, 15529), (589, 15541), (591, 15547), (605, 15595), (611, 15607), (614, 15613), (648, 15673), (653, 15685), (666, 15721), (670, 15733), (700, 15808), (704, 15817), (713, 15835), (715, 15841), (730, 15871), (806, 15976), (810, 15985), (812, 15988), (825, 16024), (847, 16102), (878, 16201), (885, 16222), (896, 16255), (911, 16285), (919, 16315), (924, 16324), (928, 16330), (944, 16345), (945, 16348), (955, 16372), (968, 16402), (973, 16414), (980, 16444), (992, 16486),

Gene: CrystalP_24 Start: 19746, Stop: 21425, Start Num: 147
Candidate Starts for CrystalP_24:
(Start: 147 @19746 has 120 MA's), (Start: 212 @19830 has 47 MA's), (Start: 260 @19908 has 1 MA's), (296, 19995), (301, 20010), (332, 20058), (349, 20097), (405, 20184), (420, 20217), (437, 20253), (454, 20283), (457, 20289), (538, 20358), (561, 20388), (565, 20400), (566, 20403), (591, 20460), (650, 20592), (651, 20598), (675, 20664), (677, 20670), (686, 20694), (704, 20742), (715, 20766), (721, 20775), (754, 20850), (810, 20901), (819, 20916), (867, 21078), (875, 21105), (885, 21135), (926, 21240), (971, 21318), (980, 21354), (983, 21363), (992, 21396), (998, 21411),

Gene: Cuco_24 Start: 19657, Stop: 21453, Start Num: 156
Candidate Starts for Cuco_24:
(Start: 156 @19657 has 559 MA's), (241, 19762), (Start: 260 @19795 has 1 MA's), (325, 19894), (367, 19969), (376, 19984), (400, 20020), (436, 20092), (445, 20107), (469, 20146), (479, 20173), (488, 20194), (519, 20233), (575, 20371), (579, 20377), (644, 20512), (670, 20569), (671, 20572), (674, 20581), (689, 20623), (694, 20641), (730, 20701), (731, 20704), (767, 20797), (769, 20806), (775, 20830), (820, 20938), (831, 20974), (899, 21184), (942, 21286), (945, 21295), (992, 21430), (994, 21439),

Gene: Cucurbita_50 Start: 30901, Stop: 32592, Start Num: 165
Candidate Starts for Cucurbita_50:
(Start: 165 @30901 has 14 MA's), (207, 30961), (229, 30994), (250, 31027), (299, 31153), (317, 31186), (322, 31195), (392, 31324), (418, 31372), (591, 31585), (592, 31591), (600, 31615), (661, 31744), (666, 31765), (677, 31798), (754, 31996), (844, 32149), (875, 32248), (879, 32260), (882, 32269), (913, 32353), (981, 32500), (991, 32536), (994, 32548),

Gene: Cueylyss_27 Start: 21272, Stop: 23074, Start Num: 159
Candidate Starts for Cueylyss_27:
(Start: 159 @21272 has 217 MA's), (Start: 176 @21293 has 45 MA's), (Start: 204 @21335 has 1 MA's), (237, 21380), (367, 21596), (395, 21641), (402, 21650), (448, 21740), (449, 21743), (495, 21836), (556, 21938), (581, 22007), (670, 22196), (674, 22208), (675, 22211), (683, 22232), (730, 22328), (731, 22331), (733, 22337), (762, 22406), (767, 22424), (769, 22433), (777, 22463), (821, 22559), (831, 22592), (835, 22607), (879, 22748), (899, 22805), (933, 22883),

Gene: Cullens_29 Start: 20378, Stop: 22174, Start Num: 156
Candidate Starts for Cullens_29:
(Start: 156 @20378 has 559 MA's), (Start: 204 @20435 has 1 MA's), (215, 20450), (238, 20483), (254, 20504), (259, 20519), (Start: 303 @20606 has 11 MA's), (323, 20618), (325, 20621), (367, 20696), (376, 20711), (400, 20747), (508, 20954), (567, 21068), (581, 21107), (615, 21194), (674, 21308), (683, 21332), (689, 21350), (731, 21431), (762, 21506), (767, 21524), (775, 21557), (777, 21563),

(790, 21602), (820, 21656), (821, 21659), (828, 21680), (844, 21737), (899, 21905), (943, 22010), (945, 22016), (992, 22151),

Gene: Culver_48 Start: 29340, Stop: 31031, Start Num: 165
Candidate Starts for Culver_48:
(Start: 165 @29340 has 14 MA's), (207, 29400), (229, 29433), (Start: 249 @29463 has 2 MA's), (250, 29466), (317, 29625), (322, 29634), (392, 29763), (418, 29811), (591, 30024), (592, 30030), (600, 30054), (661, 30183), (666, 30204), (677, 30237), (754, 30435), (844, 30588), (875, 30687), (879, 30699), (882, 30708), (913, 30792), (981, 30939), (991, 30975),

Gene: Curiosium_24 Start: 16874, Stop: 18640, Start Num: 178
Candidate Starts for Curiosium_24:
(Start: 178 @16874 has 139 MA's), (198, 16904), (284, 17063), (295, 17096), (311, 17126), (329, 17159), (335, 17171), (395, 17297), (400, 17303), (419, 17342), (436, 17375), (441, 17384), (465, 17423), (491, 17489), (492, 17492), (536, 17564), (551, 17606), (557, 17612), (567, 17639), (579, 17675), (647, 17777), (656, 17795), (670, 17837), (676, 17855), (688, 17885), (702, 17912), (751, 18017), (779, 18107), (832, 18212), (841, 18242), (879, 18326), (896, 18377), (911, 18407), (948, 18476), (971, 18527), (993, 18611), (994, 18614), (1004, 18632),

Gene: Cynthia_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for Cynthia_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Czyszczon1_25 Start: 19491, Stop: 21170, Start Num: 147
Candidate Starts for Czyszczon1_25:
(Start: 147 @19491 has 120 MA's), (Start: 212 @19575 has 47 MA's), (Start: 260 @19653 has 1 MA's), (296, 19740), (301, 19755), (332, 19803), (349, 19842), (405, 19929), (420, 19962), (437, 19998), (454, 20028), (457, 20034), (538, 20103), (561, 20133), (565, 20145), (566, 20148), (591, 20205), (650, 20337), (651, 20343), (675, 20409), (677, 20415), (686, 20439), (704, 20487), (715, 20511), (721, 20520), (754, 20595), (810, 20646), (819, 20661), (867, 20823), (875, 20850), (885, 20880), (926, 20985), (971, 21063), (980, 21099), (983, 21108), (992, 21141), (998, 21156),

Gene: D29_28 Start: 20049, Stop: 21839, Start Num: 156
Candidate Starts for D29_28:
(110, 19983), (Start: 136 @20025 has 48 MA's), (Start: 156 @20049 has 559 MA's), (323, 20283), (325, 20286), (366, 20358), (367, 20361), (376, 20376), (402, 20415), (406, 20421), (465, 20532), (475, 20550), (508, 20619), (550, 20700), (556, 20703), (615, 20859), (635, 20889), (731, 21096), (775, 21222), (792, 21273), (821, 21324), (831, 21357), (835, 21372), (842, 21396), (866, 21471), (867, 21474), (869, 21486), (899, 21570), (933, 21648), (943, 21675), (945, 21681), (964, 21726), (968, 21735), (992, 21816),

Gene: D32_31 Start: 20049, Stop: 21839, Start Num: 156
Candidate Starts for D32_31:
(110, 19983), (Start: 136 @20025 has 48 MA's), (Start: 156 @20049 has 559 MA's), (323, 20283), (325, 20286), (366, 20358), (367, 20361), (376, 20376), (402, 20415), (406, 20421), (465, 20532), (475, 20550), (508, 20619), (550, 20700), (556, 20703), (615, 20859), (635, 20889), (731, 21096), (775, 21222), (792, 21273), (821, 21324), (831, 21357), (835, 21372), (842, 21396), (866, 21471), (867, 21474), (869, 21486), (899, 21570), (933, 21648), (943, 21675), (945, 21681), (964, 21726), (968, 21735), (992, 21816),

Gene: DBQu4n_31 Start: 20049, Stop: 21839, Start Num: 156
Candidate Starts for DBQu4n_31:
(110, 19983), (Start: 136 @20025 has 48 MA's), (Start: 156 @20049 has 559 MA's), (269, 20202), (323, 20283), (325, 20286), (366, 20358), (367, 20361), (376, 20376), (402, 20415), (406, 20421), (465, 20532), (475, 20550), (478, 20559), (508, 20619), (550, 20700), (556, 20703), (615, 20859), (635, 20889), (731, 21096), (775, 21222), (821, 21324), (831, 21357), (835, 21372), (842, 21396), (866, 21471), (867, 21474), (869, 21486), (899, 21570), (933, 21648), (943, 21675), (945, 21681), (964, 21726), (968, 21735), (992, 21816),

Gene: DD5_28 Start: 21820, Stop: 23622, Start Num: 159
Candidate Starts for DD5_28:
(Start: 159 @21820 has 217 MA's), (Start: 176 @21841 has 45 MA's), (Start: 204 @21883 has 1 MA's), (237, 21928), (367, 22144), (395, 22189), (402, 22198), (448, 22288), (449, 22291), (556, 22486), (581, 22555), (604, 22615), (670, 22744), (674, 22756), (675, 22759), (683, 22780), (730, 22876), (731, 22879), (733, 22885), (762, 22954), (767, 22972), (769, 22981), (777, 23011), (821, 23107), (831, 23140), (835, 23155), (879, 23296), (899, 23353), (945, 23464),

Gene: DHan_18 Start: 16906, Stop: 18639, Start Num: 175
Candidate Starts for DHan_18:
(Start: 175 @16906 has 56 MA's), (223, 16975), (295, 17116), (296, 17119), (318, 17149), (327, 17164), (343, 17197), (366, 17242), (400, 17296), (414, 17323), (419, 17335), (445, 17386), (448, 17392), (469, 17425), (546, 17578), (562, 17602), (564, 17611), (579, 17656), (601, 17707), (668, 17812), (686, 17869), (712, 17932), (746, 18004), (764, 18040), (819, 18139), (824, 18160), (826, 18166), (830, 18178), (860, 18241), (888, 18328), (896, 18355), (912, 18388), (925, 18424), (935, 18439), (943, 18451), (951, 18475), (977, 18553), (983, 18571),

Gene: DLane_16 Start: 14795, Stop: 16504, Start Num: 142
Candidate Starts for DLane_16:
(Start: 142 @14795 has 207 MA's), (215, 14882), (Start: 249 @14927 has 2 MA's), (258, 14951), (299, 15056), (301, 15062), (309, 15080), (332, 15110), (390, 15215), (422, 15275), (434, 15296), (437, 15305), (450, 15329), (558, 15455), (564, 15470), (566, 15476), (580, 15512), (582, 15515), (589, 15527), (591, 15533), (605, 15581), (611, 15593), (614, 15599), (648, 15659), (653, 15671), (666, 15707), (670, 15719), (700, 15794), (704, 15803), (713, 15821), (715, 15827), (730, 15857), (806, 15962), (810, 15971), (812, 15974), (825, 16010), (847, 16088), (878, 16187), (885, 16208), (896, 16241), (911, 16271), (919, 16301), (924, 16310), (928, 16316), (944, 16331), (945, 16334), (955, 16358), (968, 16388), (973, 16400), (980, 16430), (992, 16472),

Gene: DMoney_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for DMoney_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: DNAIII_0018 Start: 16649, Stop: 18412, Start Num: 171
Candidate Starts for DNAIII_0018:
(Start: 171 @16649 has 28 MA's), (Start: 194 @16658 has 44 MA's), (Start: 196 @16664 has 2 MA's), (201, 16670), (277, 16802), (295, 16853), (311, 16883), (325, 16907), (367, 17009), (391, 17048), (395, 17054), (406, 17069), (425, 17114), (488, 17234), (513, 17291), (536, 17330), (557, 17378), (567, 17405), (571, 17417), (607, 17498), (647, 17543), (731, 17741), (743, 17771), (751, 17789),

(762, 17816), (785, 17900), (805, 17918), (818, 17933), (831, 17981), (835, 17996), (867, 18059), (885, 18116), (899, 18155), (915, 18197), (948, 18248), (983, 18344), (1004, 18404),

Gene: DRBy19_16 Start: 14836, Stop: 16545, Start Num: 142
Candidate Starts for DRBy19_16:
(Start: 142 @14836 has 207 MA's), (215, 14923), (Start: 249 @14968 has 2 MA's), (258, 14992), (282, 15049), (299, 15097), (301, 15103), (309, 15121), (332, 15151), (390, 15256), (419, 15310), (422, 15316), (425, 15325), (437, 15346), (450, 15370), (473, 15406), (475, 15412), (535, 15445), (536, 15448), (539, 15457), (544, 15472), (546, 15478), (558, 15496), (564, 15511), (566, 15517), (572, 15535), (573, 15538), (580, 15553), (589, 15568), (591, 15574), (605, 15622), (611, 15634), (614, 15640), (648, 15700), (653, 15712), (666, 15748), (670, 15760), (700, 15835), (704, 15844), (713, 15862), (715, 15868), (730, 15898), (806, 16003), (812, 16015), (825, 16051), (847, 16129), (885, 16249), (896, 16282), (911, 16312), (913, 16324), (919, 16342), (922, 16348), (924, 16351), (928, 16357), (944, 16372), (945, 16375), (953, 16396), (955, 16399), (973, 16441), (980, 16471), (992, 16513), (993, 16519),

Gene: DS6A_21 Start: 16975, Stop: 18714, Start Num: 125
Candidate Starts for DS6A_21:
(109, 16945), (114, 16957), (Start: 125 @16975 has 1 MA's), (Start: 176 @17029 has 45 MA's), (221, 17095), (Start: 224 @17101 has 1 MA's), (229, 17107), (238, 17119), (241, 17125), (256, 17146), (Start: 260 @17158 has 1 MA's), (285, 17215), (Start: 303 @17242 has 11 MA's), (327, 17263), (342, 17299), (346, 17311), (367, 17344), (377, 17359), (395, 17389), (406, 17404), (462, 17512), (473, 17527), (477, 17539), (478, 17542), (522, 17611), (535, 17635), (536, 17638), (553, 17689), (567, 17722), (579, 17758), (622, 17818), (636, 17836), (641, 17845), (644, 17848), (674, 17917), (698, 17989), (705, 18007), (724, 18037), (730, 18046), (767, 18142), (769, 18151), (837, 18289), (879, 18385), (880, 18388), (896, 18436), (899, 18442), (945, 18550), (971, 18613), (976, 18637), (990, 18682), (994, 18700), (998, 18706),

Gene: DaHudson_29 Start: 20371, Stop: 22167, Start Num: 156
Candidate Starts for DaHudson_29:
(Start: 156 @20371 has 559 MA's), (Start: 204 @20428 has 1 MA's), (215, 20443), (238, 20476), (254, 20497), (259, 20512), (Start: 303 @20599 has 11 MA's), (323, 20611), (325, 20614), (367, 20689), (376, 20704), (400, 20740), (508, 20947), (567, 21061), (581, 21100), (615, 21187), (674, 21301), (683, 21325), (689, 21343), (731, 21424), (762, 21499), (767, 21517), (775, 21550), (777, 21556), (790, 21595), (820, 21649), (821, 21652), (828, 21673), (844, 21730), (899, 21898), (943, 22003), (945, 22009), (992, 22144),

Gene: DaVinci_31 Start: 19977, Stop: 21749, Start Num: 156
Candidate Starts for DaVinci_31:
(110, 19911), (Start: 136 @19953 has 48 MA's), (Start: 156 @19977 has 559 MA's), (286, 20175), (325, 20214), (366, 20286), (367, 20289), (379, 20307), (402, 20343), (406, 20349), (465, 20460), (469, 20466), (484, 20505), (508, 20547), (536, 20586), (550, 20628), (556, 20631), (575, 20691), (684, 20928), (689, 20943), (731, 21024), (777, 21156), (835, 21282), (852, 21333), (855, 21342), (866, 21381), (867, 21384), (869, 21396), (899, 21480), (943, 21585), (945, 21591), (992, 21726),

Gene: DaWorst_18 Start: 15337, Stop: 17046, Start Num: 142
Candidate Starts for DaWorst_18:
(Start: 142 @15337 has 207 MA's), (215, 15424), (Start: 249 @15469 has 2 MA's), (258, 15493), (282, 15550), (299, 15598), (301, 15604), (309, 15622), (332, 15652), (390, 15757), (419, 15811), (422, 15817), (425, 15826), (437, 15847), (450, 15871), (473, 15907), (475, 15913), (535, 15946), (536, 15949), (539, 15958), (544, 15973), (546, 15979), (558, 15997), (564, 16012), (566, 16018), (572, 16036), (573, 16039), (580, 16054), (589, 16069), (591, 16075), (605, 16123), (611, 16135), (614, 16141), (648, 16201), (653, 16213), (666, 16249), (670, 16261), (700, 16336), (704, 16345), (713,

16363), (715, 16369), (730, 16399), (806, 16504), (812, 16516), (825, 16552), (847, 16630), (885, 16750), (896, 16783), (911, 16813), (913, 16825), (919, 16843), (922, 16849), (924, 16852), (928, 16858), (944, 16873), (945, 16876), (953, 16897), (955, 16900), (973, 16942), (980, 16972), (992, 17014), (993, 17020),

Gene: DaddyRickover_16 Start: 14976, Stop: 16685, Start Num: 142
Candidate Starts for DaddyRickover_16:
(Start: 142 @14976 has 207 MA's), (215, 15063), (Start: 249 @15108 has 2 MA's), (258, 15132), (299, 15237), (301, 15243), (309, 15261), (332, 15291), (390, 15396), (422, 15456), (434, 15477), (437, 15486), (450, 15510), (558, 15636), (564, 15651), (566, 15657), (580, 15693), (582, 15696), (589, 15708), (591, 15714), (605, 15762), (611, 15774), (614, 15780), (648, 15840), (653, 15852), (666, 15888), (670, 15900), (700, 15975), (704, 15984), (713, 16002), (715, 16008), (730, 16038), (806, 16143), (810, 16152), (812, 16155), (825, 16191), (847, 16269), (878, 16368), (885, 16389), (896, 16422), (911, 16452), (919, 16482), (924, 16491), (928, 16497), (944, 16512), (945, 16515), (953, 16536), (955, 16539), (973, 16581), (980, 16611), (992, 16653),

Gene: Daegal_23 Start: 17697, Stop: 19439, Start Num: 176
Candidate Starts for Daegal_23:
(Start: 176 @17697 has 45 MA's), (Start: 181 @17706 has 15 MA's), (Start: 212 @17748 has 47 MA's), (248, 17799), (258, 17823), (263, 17835), (272, 17856), (277, 17871), (284, 17889), (296, 17922), (307, 17949), (342, 18021), (382, 18111), (427, 18195), (433, 18204), (445, 18225), (479, 18291), (490, 18318), (506, 18351), (527, 18369), (537, 18390), (541, 18405), (542, 18408), (571, 18474), (572, 18477), (599, 18543), (612, 18555), (630, 18564), (632, 18567), (671, 18654), (690, 18708), (715, 18753), (720, 18759), (749, 18831), (762, 18861), (769, 18888), (779, 18924), (782, 18933), (831, 19011), (889, 19155), (894, 19173), (899, 19185), (907, 19200), (908, 19203), (915, 19224), (925, 19236), (951, 19284), (967, 19317), (989, 19392), (993, 19410), (1004, 19431),

Gene: Daenerys_16 Start: 14808, Stop: 16517, Start Num: 142
Candidate Starts for Daenerys_16:
(Start: 142 @14808 has 207 MA's), (215, 14895), (Start: 249 @14940 has 2 MA's), (258, 14964), (299, 15069), (301, 15075), (309, 15093), (332, 15123), (390, 15228), (422, 15288), (434, 15309), (437, 15318), (450, 15342), (558, 15468), (564, 15483), (566, 15489), (580, 15525), (582, 15528), (589, 15540), (591, 15546), (605, 15594), (611, 15606), (614, 15612), (648, 15672), (653, 15684), (666, 15720), (670, 15732), (700, 15807), (704, 15816), (713, 15834), (715, 15840), (730, 15870), (806, 15975), (810, 15984), (812, 15987), (825, 16023), (847, 16101), (878, 16200), (885, 16221), (896, 16254), (911, 16284), (919, 16314), (924, 16323), (928, 16329), (944, 16344), (945, 16347), (953, 16368), (955, 16371), (973, 16413), (980, 16443), (992, 16485),

Gene: Daikon_22 Start: 19567, Stop: 21162, Start Num: 212
Candidate Starts for Daikon_22:
(Start: 147 @19483 has 120 MA's), (Start: 212 @19567 has 47 MA's), (Start: 260 @19645 has 1 MA's), (296, 19732), (301, 19747), (332, 19795), (349, 19834), (405, 19921), (420, 19954), (437, 19990), (454, 20020), (457, 20026), (538, 20095), (561, 20125), (565, 20137), (566, 20140), (591, 20197), (650, 20329), (651, 20335), (675, 20401), (677, 20407), (686, 20431), (704, 20479), (715, 20503), (721, 20512), (754, 20587), (810, 20638), (819, 20653), (867, 20815), (875, 20842), (885, 20872), (926, 20977), (971, 21055), (980, 21091), (983, 21100), (992, 21133), (998, 21148),

Gene: Daishi_28 Start: 19304, Stop: 21100, Start Num: 156
Candidate Starts for Daishi_28:
(Start: 156 @19304 has 559 MA's), (Start: 204 @19361 has 1 MA's), (215, 19376), (238, 19409), (254, 19430), (259, 19445), (Start: 303 @19532 has 11 MA's), (323, 19544), (325, 19547), (367, 19622), (376, 19637), (400, 19673), (508, 19880), (567, 19994), (581, 20033), (615, 20120), (674, 20234), (683, 20258), (689, 20276), (731, 20357), (762, 20432), (767, 20450), (775, 20483), (777, 20489),

(790, 20528), (820, 20582), (821, 20585), (828, 20606), (844, 20663), (899, 20831), (943, 20936), (945, 20942), (992, 21077),

Gene: Dalilpop_46 Start: 32122, Stop: 33741, Start Num: 202
Candidate Starts for Dalilpop_46:
(Start: 202 @32122 has 36 MA's), (214, 32137), (Start: 231 @32158 has 1 MA's), (277, 32236), (343, 32374), (417, 32503), (433, 32533), (453, 32560), (458, 32569), (469, 32584), (519, 32695), (535, 32725), (536, 32728), (562, 32785), (687, 33010), (704, 33049), (728, 33097), (773, 33223), (785, 33259), (833, 33316), (861, 33370), (885, 33445), (948, 33577), (976, 33652), (980, 33664), (984, 33676), (986, 33685), (998, 33721),

Gene: Dalmatian_28 Start: 20265, Stop: 22037, Start Num: 156
Candidate Starts for Dalmatian_28:
(Start: 136 @20241 has 48 MA's), (Start: 156 @20265 has 559 MA's), (323, 20499), (325, 20502), (366, 20574), (367, 20577), (402, 20631), (421, 20670), (445, 20715), (465, 20748), (508, 20835), (550, 20916), (556, 20919), (675, 21192), (731, 21312), (775, 21438), (808, 21492), (831, 21555), (835, 21570), (837, 21576), (855, 21630), (866, 21669), (869, 21684), (899, 21768), (945, 21879),

Gene: Dalmuri_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Dalmuri_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: DanBing_17 Start: 16810, Stop: 18543, Start Num: 175
Candidate Starts for DanBing_17:
(Start: 175 @16810 has 56 MA's), (223, 16879), (295, 17020), (296, 17023), (318, 17053), (327, 17068), (343, 17101), (366, 17146), (400, 17200), (414, 17227), (419, 17239), (445, 17290), (448, 17296), (469, 17329), (546, 17482), (562, 17506), (564, 17515), (579, 17560), (601, 17611), (668, 17716), (686, 17773), (712, 17836), (746, 17908), (764, 17944), (819, 18043), (824, 18064), (826, 18070), (830, 18082), (860, 18145), (888, 18232), (896, 18259), (912, 18292), (925, 18328), (935, 18343), (943, 18355), (951, 18379), (977, 18457), (983, 18475),

Gene: Danforth_23 Start: 18634, Stop: 20424, Start Num: 156
Candidate Starts for Danforth_23:
(Start: 136 @18610 has 48 MA's), (Start: 156 @18634 has 559 MA's), (235, 18727), (Start: 260 @18772 has 1 MA's), (325, 18871), (344, 18907), (367, 18946), (376, 18961), (400, 18997), (465, 19117), (469, 19123), (536, 19243), (590, 19372), (615, 19444), (674, 19558), (767, 19774), (775, 19807), (821, 19909), (831, 19942), (835, 19957), (844, 19987), (942, 20257), (945, 20266), (948, 20275), (989, 20389),

Gene: Dante_16 Start: 14825, Stop: 16534, Start Num: 142
Candidate Starts for Dante_16:
(Start: 142 @14825 has 207 MA's), (215, 14912), (Start: 249 @14957 has 2 MA's), (258, 14981), (299, 15086), (301, 15092), (309, 15110), (332, 15140), (390, 15245), (422, 15305), (434, 15326), (437, 15335), (450, 15359), (558, 15485), (564, 15500), (566, 15506), (580, 15542), (582, 15545), (589, 15557), (591, 15563), (605, 15611), (611, 15623), (614, 15629), (648, 15689), (653, 15701), (666, 15737), (670, 15749), (700, 15824), (704, 15833), (713, 15851), (715, 15857), (730, 15887), (806, 15992), (810, 16001), (812, 16004), (825, 16040), (847, 16118), (878, 16217), (885, 16238), (896, 16271), (911, 16301), (919, 16331), (924, 16340), (928, 16346), (944, 16361), (945, 16364), (955,

16388), (968, 16418), (973, 16430), (980, 16460), (992, 16502),

Gene: Danyall_33 Start: 26375, Stop: 28141, Start Num: 111
Candidate Starts for Danyall_33:
(93, 26333), (Start: 111 @26375 has 74 MA's), (Start: 131 @26411 has 1 MA's), (Start: 159 @26444 has 217 MA's), (287, 26654), (289, 26657), (323, 26687), (351, 26753), (367, 26777), (372, 26786), (393, 26819), (478, 26972), (495, 27011), (535, 27062), (539, 27074), (543, 27092), (548, 27104), (553, 27116), (562, 27131), (571, 27161), (572, 27164), (579, 27185), (636, 27257), (663, 27305), (699, 27416), (724, 27449), (740, 27488), (743, 27491), (769, 27563), (803, 27629), (809, 27641), (879, 27812), (883, 27824), (885, 27830), (896, 27863), (909, 27890), (917, 27917), (943, 27971), (984, 28088), (990, 28109), (1000, 28136),

Gene: Dardanus_24 Start: 16682, Stop: 18013, Start Num: 303
Candidate Starts for Dardanus_24:
(Start: 303 @16682 has 11 MA's), (316, 16703), (401, 16847), (421, 16889), (445, 16934), (453, 16949), (483, 17009), (486, 17018), (526, 17102), (646, 17216), (660, 17225), (675, 17270), (714, 17345), (725, 17372), (747, 17426), (772, 17498), (831, 17591), (833, 17597), (851, 17630), (885, 17717), (941, 17828), (954, 17873), (965, 17897), (971, 17909), (972, 17912), (980, 17945),

Gene: Daredevil_29 Start: 25466, Stop: 27352, Start Num: 167
Candidate Starts for Daredevil_29:
(101, 25364), (Start: 167 @25466 has 22 MA's), (245, 25577), (269, 25628), (287, 25676), (346, 25808), (392, 25883), (418, 25931), (463, 26015), (515, 26153), (546, 26252), (586, 26345), (591, 26357), (592, 26363), (600, 26387), (614, 26423), (616, 26429), (670, 26549), (682, 26582), (686, 26594), (713, 26654), (754, 26756), (806, 26798), (819, 26822), (857, 26945), (879, 27020), (885, 27038), (932, 27152), (1005, 27344),

Gene: Darionha_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Darionha_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Darrell_30 Start: 21743, Stop: 23533, Start Num: 156
Candidate Starts for Darrell_30:
(Start: 136 @21719 has 48 MA's), (Start: 156 @21743 has 559 MA's), (323, 21977), (325, 21980), (366, 22052), (367, 22055), (376, 22070), (402, 22109), (406, 22115), (414, 22133), (465, 22226), (479, 22259), (508, 22313), (550, 22394), (556, 22397), (603, 22523), (635, 22583), (669, 22646), (675, 22670), (677, 22676), (689, 22709), (775, 22916), (781, 22934), (788, 22958), (800, 22970), (821, 23018), (831, 23051), (835, 23066), (837, 23072), (866, 23165), (867, 23168), (869, 23180), (899, 23264), (925, 23330), (943, 23369), (945, 23375), (964, 23420), (983, 23477), (984, 23480),

Gene: DarthP_22 Start: 17578, Stop: 19344, Start Num: 178
Candidate Starts for DarthP_22:
(Start: 146 @17539 has 1 MA's), (Start: 171 @17569 has 28 MA's), (Start: 178 @17578 has 139 MA's), (198, 17608), (272, 17734), (277, 17749), (284, 17767), (295, 17800), (329, 17863), (335, 17875), (342, 17893), (371, 17965), (395, 18001), (400, 18007), (441, 18088), (491, 18193), (492, 18196), (509, 18232), (536, 18268), (551, 18310), (557, 18316), (567, 18343), (579, 18379), (656, 18499), (688, 18589), (702, 18616), (724, 18661), (751, 18721), (774, 18796), (782, 18820), (821, 18880), (832, 18916), (841, 18946), (879, 19030), (896, 19081), (951, 19189), (993, 19315), (994,

19318), (1004, 19336),

Gene: DarthPhader_29 Start: 21735, Stop: 23507, Start Num: 156
Candidate Starts for DarthPhader_29:
(110, 21669), (Start: 136 @21711 has 48 MA's), (Start: 156 @21735 has 559 MA's), (269, 21888), (323, 21969), (325, 21972), (366, 22044), (367, 22047), (402, 22101), (406, 22107), (430, 22158), (465, 22218), (484, 22263), (508, 22305), (550, 22386), (689, 22701), (731, 22782), (736, 22797), (777, 22914), (831, 23025), (835, 23040), (842, 23064), (866, 23139), (869, 23154), (881, 23187), (899, 23238), (943, 23343), (992, 23484),

Gene: Dartin_23 Start: 16514, Stop: 18280, Start Num: 178
Candidate Starts for Dartin_23:
(Start: 171 @16505 has 28 MA's), (Start: 178 @16514 has 139 MA's), (Start: 181 @16520 has 15 MA's), (198, 16544), (228, 16583), (272, 16670), (277, 16685), (284, 16703), (295, 16736), (371, 16901), (395, 16937), (436, 17015), (441, 17024), (491, 17129), (492, 17132), (512, 17171), (534, 17198), (536, 17204), (551, 17246), (557, 17252), (567, 17279), (647, 17417), (656, 17435), (688, 17525), (702, 17552), (721, 17585), (751, 17657), (769, 17711), (779, 17747), (786, 17771), (821, 17816), (831, 17849), (835, 17864), (841, 17882), (853, 17891), (879, 17966), (896, 18017), (899, 18023), (951, 18125), (993, 18251), (994, 18254), (1004, 18272),

Gene: Darwin_34 Start: 28167, Stop: 29765, Start Num: 211
Candidate Starts for Darwin_34:
(Start: 211 @28167 has 16 MA's), (280, 28266), (307, 28335), (331, 28374), (404, 28509), (433, 28569), (499, 28695), (522, 28722), (529, 28734), (534, 28743), (535, 28746), (551, 28791), (562, 28806), (564, 28815), (567, 28824), (590, 28878), (596, 28896), (643, 28950), (747, 29166), (778, 29259), (849, 29367), (870, 29421), (895, 29496), (954, 29625), (997, 29751),

Gene: DatBoi_31 Start: 27896, Stop: 29605, Start Num: 167
Candidate Starts for DatBoi_31:
(Start: 167 @27896 has 22 MA's), (239, 27998), (320, 28181), (392, 28313), (409, 28343), (418, 28361), (480, 28484), (591, 28610), (592, 28616), (609, 28667), (616, 28682), (670, 28802), (682, 28835), (754, 29009), (819, 29075), (875, 29261), (879, 29273), (909, 29351), (932, 29405), (1001, 29573), (1005, 29597),

Gene: Datway_27 Start: 19835, Stop: 21634, Start Num: 156
Candidate Starts for Datway_27:
(Start: 136 @19811 has 48 MA's), (Start: 156 @19835 has 559 MA's), (Start: 162 @19841 has 5 MA's), (Start: 204 @19895 has 1 MA's), (254, 19964), (286, 20042), (Start: 303 @20066 has 11 MA's), (325, 20081), (344, 20117), (367, 20156), (376, 20171), (402, 20210), (449, 20303), (465, 20327), (508, 20414), (567, 20528), (581, 20567), (615, 20654), (644, 20699), (674, 20768), (683, 20792), (687, 20804), (731, 20891), (762, 20966), (767, 20984), (769, 20993), (775, 21017), (777, 21023), (782, 21038), (800, 21071), (820, 21116), (821, 21119), (828, 21140), (899, 21365), (933, 21443), (943, 21470), (945, 21476), (992, 21611),

Gene: DeadP_16 Start: 14839, Stop: 16548, Start Num: 142
Candidate Starts for DeadP_16:
(Start: 142 @14839 has 207 MA's), (215, 14926), (Start: 249 @14971 has 2 MA's), (258, 14995), (299, 15100), (301, 15106), (309, 15124), (332, 15154), (390, 15259), (422, 15319), (432, 15337), (434, 15340), (437, 15349), (450, 15373), (558, 15499), (564, 15514), (566, 15520), (580, 15556), (582, 15559), (589, 15571), (591, 15577), (605, 15625), (611, 15637), (614, 15643), (648, 15703), (653, 15715), (666, 15751), (670, 15763), (700, 15838), (704, 15847), (713, 15865), (715, 15871), (730, 15901), (806, 16006), (810, 16015), (812, 16018), (825, 16054), (847, 16132), (878, 16231), (885, 16252), (896, 16285), (911, 16315), (919, 16345), (924, 16354), (928, 16360), (944, 16375), (945,

16378), (955, 16402), (968, 16432), (973, 16444), (980, 16474), (992, 16516),

Gene: Deano_27 Start: 19835, Stop: 21613, Start Num: 156
Candidate Starts for Deano_27:
(Start: 136 @19811 has 48 MA's), (Start: 156 @19835 has 559 MA's), (Start: 204 @19892 has 1 MA's), (241, 19946), (254, 19961), (Start: 260 @19979 has 1 MA's), (Start: 303 @20063 has 11 MA's), (323, 20075), (325, 20078), (367, 20153), (376, 20168), (402, 20207), (465, 20324), (508, 20411), (550, 20492), (572, 20540), (581, 20564), (615, 20651), (644, 20696), (675, 20768), (683, 20789), (689, 20807), (731, 20888), (767, 20981), (769, 20990), (775, 21014), (777, 21020), (784, 21044), (821, 21098), (828, 21119), (842, 21170), (850, 21194), (867, 21248), (899, 21344), (943, 21449), (948, 21464), (987, 21572), (992, 21590),

Gene: Deb65_16 Start: 14805, Stop: 16514, Start Num: 142
Candidate Starts for Deb65_16:
(Start: 142 @14805 has 207 MA's), (215, 14892), (Start: 249 @14937 has 2 MA's), (258, 14961), (299, 15066), (301, 15072), (309, 15090), (332, 15120), (390, 15225), (422, 15285), (434, 15306), (437, 15315), (450, 15339), (558, 15465), (564, 15480), (566, 15486), (580, 15522), (582, 15525), (589, 15537), (591, 15543), (605, 15591), (611, 15603), (614, 15609), (648, 15669), (653, 15681), (666, 15717), (670, 15729), (700, 15804), (704, 15813), (713, 15831), (715, 15837), (730, 15867), (806, 15972), (812, 15984), (825, 16020), (847, 16098), (878, 16197), (885, 16218), (896, 16251), (911, 16281), (919, 16311), (924, 16320), (928, 16326), (944, 16341), (945, 16344), (953, 16365), (955, 16368), (973, 16410), (980, 16440), (992, 16482),

Gene: Deby_23 Start: 17122, Stop: 18888, Start Num: 178
Candidate Starts for Deby_23:
(Start: 178 @17122 has 139 MA's), (198, 17152), (284, 17311), (295, 17344), (311, 17374), (329, 17407), (335, 17419), (371, 17509), (400, 17551), (436, 17623), (441, 17632), (465, 17671), (484, 17716), (491, 17737), (492, 17740), (527, 17794), (536, 17812), (551, 17854), (557, 17860), (567, 17887), (647, 18025), (656, 18043), (670, 18085), (676, 18103), (688, 18133), (702, 18160), (751, 18265), (821, 18424), (832, 18460), (841, 18490), (853, 18499), (879, 18574), (896, 18625), (983, 18820), (993, 18859), (994, 18862), (1004, 18880),

Gene: DeepSoil15_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for DeepSoil15_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: DekHockey33_30 Start: 19191, Stop: 21002, Start Num: 136
Candidate Starts for DekHockey33_30:
(110, 19149), (Start: 136 @19191 has 48 MA's), (Start: 156 @19215 has 559 MA's), (Start: 260 @19353 has 1 MA's), (285, 19410), (325, 19452), (344, 19488), (367, 19527), (409, 19596), (421, 19620), (449, 19674), (536, 19824), (556, 19869), (567, 19899), (579, 19935), (600, 19986), (613, 20022), (644, 20070), (671, 20130), (730, 20259), (762, 20337), (835, 20538), (837, 20544), (867, 20640), (929, 20805), (971, 20904),

Gene: DelRio_23 Start: 18352, Stop: 20058, Start Num: 222
Candidate Starts for DelRio_23:

(Start: 164 @18277 has 1 MA's), (Start: 222 @18352 has 16 MA's), (272, 18445), (277, 18460), (280, 18466), (309, 18541), (343, 18613), (397, 18724), (421, 18769), (430, 18787), (436, 18799), (534, 18970), (537, 18979), (539, 18985), (551, 19018), (576, 19081), (599, 19132), (630, 19156), (644, 19180), (674, 19255), (688, 19294), (747, 19426), (784, 19540), (831, 19627), (878, 19741), (881, 19750), (925, 19855), (969, 19942), (1004, 20050),

Gene: Delian_19 Start: 16674, Stop: 18320, Start Num: 227
Candidate Starts for Delian_19:
(203, 16638), (Start: 227 @16674 has 45 MA's), (283, 16776), (310, 16848), (318, 16854), (321, 16857), (374, 16953), (396, 16992), (435, 17073), (468, 17127), (475, 17142), (560, 17238), (591, 17313), (600, 17343), (677, 17526), (686, 17550), (739, 17694), (744, 17706), (799, 17766), (843, 17898), (844, 17901), (875, 18000), (881, 18018), (899, 18069), (925, 18135), (963, 18198), (968, 18210),

Gene: Deloris_29 Start: 20620, Stop: 22392, Start Num: 156
Candidate Starts for Deloris_29:
(Start: 136 @20596 has 48 MA's), (Start: 156 @20620 has 559 MA's), (238, 20719), (323, 20854), (325, 20857), (366, 20929), (367, 20932), (402, 20986), (406, 20992), (421, 21025), (445, 21070), (465, 21103), (508, 21190), (550, 21271), (556, 21274), (571, 21316), (635, 21460), (675, 21547), (723, 21652), (731, 21667), (775, 21793), (777, 21799), (808, 21847), (835, 21925), (837, 21931), (855, 21985), (866, 22024), (869, 22039), (899, 22123), (945, 22234),

Gene: Delrey21_34 Start: 30944, Stop: 32566, Start Num: 183
Candidate Starts for Delrey21_34:
(Start: 138 @30887 has 1 MA's), (Start: 183 @30944 has 17 MA's), (201, 30965), (247, 31028), (274, 31091), (296, 31151), (300, 31163), (344, 31250), (373, 31301), (390, 31331), (434, 31412), (447, 31439), (567, 31538), (578, 31568), (584, 31577), (597, 31613), (621, 31673), (648, 31721), (651, 31730), (688, 31829), (706, 31868), (713, 31880), (812, 32036), (819, 32048), (826, 32075), (842, 32132), (856, 32171), (858, 32180), (873, 32237), (877, 32249), (893, 32297), (896, 32306), (899, 32312), (909, 32333), (948, 32411), (994, 32549),

Gene: Demsculpinboyz_19 Start: 13737, Stop: 15401, Start Num: 159
Candidate Starts for Demsculpinboyz_19:
(Start: 159 @13737 has 217 MA's), (221, 13818), (241, 13848), (256, 13869), (Start: 260 @13881 has 1 MA's), (289, 13947), (327, 13986), (333, 13998), (342, 14022), (374, 14079), (377, 14082), (391, 14106), (395, 14112), (397, 14115), (421, 14160), (430, 14178), (449, 14214), (477, 14262), (508, 14325), (536, 14361), (543, 14388), (548, 14400), (550, 14403), (567, 14445), (571, 14457), (579, 14481), (622, 14535), (674, 14634), (714, 14727), (731, 14754), (735, 14766), (764, 14817), (767, 14832), (879, 15075), (880, 15078), (881, 15081), (925, 15198), (945, 15240), (976, 15324), (990, 15369), (994, 15387),

Gene: Denise_17 Start: 14794, Stop: 16503, Start Num: 216
Candidate Starts for Denise_17:
(Start: 216 @14794 has 31 MA's), (278, 14911), (304, 14983), (305, 14986), (347, 15061), (367, 15100), (376, 15115), (406, 15157), (417, 15184), (469, 15274), (471, 15277), (526, 15409), (547, 15463), (583, 15544), (613, 15604), (631, 15610), (677, 15697), (704, 15769), (714, 15787), (731, 15826), (762, 15898), (764, 15901), (768, 15922), (875, 16156), (880, 16171), (885, 16186), (894, 16213), (931, 16306), (933, 16309), (951, 16357), (965, 16387), (971, 16399), (983, 16444),

Gene: Derg_30 Start: 29475, Stop: 31238, Start Num: 111
Candidate Starts for Derg_30:
(Start: 111 @29475 has 74 MA's), (Start: 131 @29511 has 1 MA's), (232, 29640), (238, 29649), (285, 29745), (289, 29754), (340, 29823), (367, 29874), (372, 29883), (395, 29919), (406, 29934), (414,

29952), (448, 30015), (475, 30060), (478, 30069), (543, 30189), (550, 30204), (562, 30228), (571, 30258), (689, 30480), (695, 30498), (699, 30513), (730, 30555), (731, 30558), (740, 30585), (785, 30705), (824, 30768), (879, 30909), (880, 30912), (896, 30960), (909, 30987), (917, 31014), (943, 31068), (952, 31095),

Gene: Devera_23 Start: 17169, Stop: 18935, Start Num: 178
Candidate Starts for Devera_23:
(Start: 178 @17169 has 139 MA's), (198, 17199), (284, 17358), (295, 17391), (311, 17421), (329, 17454), (335, 17466), (371, 17556), (395, 17592), (400, 17598), (436, 17670), (441, 17679), (465, 17718), (484, 17763), (485, 17766), (491, 17784), (492, 17787), (536, 17859), (551, 17901), (557, 17907), (567, 17934), (579, 17970), (607, 18027), (647, 18072), (656, 18090), (676, 18150), (688, 18180), (702, 18207), (751, 18312), (779, 18402), (821, 18471), (832, 18507), (841, 18537), (853, 18546), (879, 18621), (896, 18672), (948, 18771), (971, 18822), (993, 18906), (994, 18909), (1004, 18927),

Gene: Dewey_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Dewey_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Dexdert_33 Start: 27970, Stop: 29589, Start Num: 185
Candidate Starts for Dexdert_33:
(Start: 185 @27970 has 10 MA's), (201, 27991), (247, 28054), (296, 28177), (300, 28189), (332, 28246), (373, 28324), (438, 28447), (567, 28561), (578, 28591), (596, 28633), (621, 28696), (648, 28744), (651, 28753), (670, 28804), (688, 28852), (761, 29017), (806, 29047), (842, 29155), (843, 29158), (858, 29203), (873, 29260), (875, 29266), (877, 29272), (893, 29320), (896, 29329), (899, 29335), (901, 29338), (919, 29389), (948, 29434), (974, 29503), (989, 29551), (992, 29563),

Gene: Dexes_28 Start: 21780, Stop: 23582, Start Num: 159
Candidate Starts for Dexes_28:
(Start: 159 @21780 has 217 MA's), (Start: 176 @21801 has 45 MA's), (Start: 204 @21843 has 1 MA's), (237, 21888), (367, 22104), (395, 22149), (402, 22158), (421, 22197), (448, 22248), (449, 22251), (556, 22446), (674, 22716), (675, 22719), (683, 22740), (730, 22836), (731, 22839), (733, 22845), (762, 22914), (767, 22932), (769, 22941), (777, 22971), (821, 23067), (831, 23100), (835, 23115), (879, 23256), (899, 23313), (945, 23424),

Gene: Dhanush_27 Start: 19830, Stop: 21608, Start Num: 156
Candidate Starts for Dhanush_27:
(Start: 136 @19806 has 48 MA's), (Start: 156 @19830 has 559 MA's), (Start: 204 @19887 has 1 MA's), (241, 19941), (254, 19956), (Start: 260 @19974 has 1 MA's), (Start: 303 @20058 has 11 MA's), (323, 20070), (325, 20073), (367, 20148), (376, 20163), (402, 20202), (465, 20319), (508, 20406), (550, 20487), (572, 20535), (581, 20559), (615, 20646), (644, 20691), (675, 20763), (683, 20784), (689, 20802), (731, 20883), (767, 20976), (769, 20985), (775, 21009), (777, 21015), (784, 21039), (821, 21093), (828, 21114), (842, 21165), (850, 21189), (867, 21243), (899, 21339), (943, 21444), (948, 21459), (987, 21567), (992, 21585),

Gene: Dieselweasel_29 Start: 20380, Stop: 22176, Start Num: 156

Candidate Starts for Dieselweasel_29:
(Start: 156 @20380 has 559 MA's), (Start: 204 @20437 has 1 MA's), (215, 20452), (238, 20485), (254, 20506), (259, 20521), (Start: 303 @20608 has 11 MA's), (323, 20620), (325, 20623), (367, 20698), (376, 20713), (400, 20749), (508, 20956), (567, 21070), (581, 21109), (615, 21196), (674, 21310), (683, 21334), (689, 21352), (702, 21391), (731, 21433), (762, 21508), (767, 21526), (775, 21559), (777, 21565), (790, 21604), (820, 21658), (821, 21661), (828, 21682), (844, 21739), (899, 21907), (943, 22012), (945, 22018), (992, 22153),

Gene: Dignity_30 Start: 20641, Stop: 22413, Start Num: 156
Candidate Starts for Dignity_30:
(Start: 136 @20617 has 48 MA's), (Start: 156 @20641 has 559 MA's), (238, 20740), (281, 20824), (323, 20875), (325, 20878), (366, 20950), (367, 20953), (402, 21007), (421, 21046), (465, 21124), (508, 21211), (550, 21292), (556, 21295), (635, 21481), (675, 21568), (723, 21673), (731, 21688), (775, 21814), (777, 21820), (808, 21868), (835, 21946), (837, 21952), (855, 22006), (866, 22045), (869, 22060), (899, 22144), (945, 22255),

Gene: DillTech15_16 Start: 14841, Stop: 16550, Start Num: 142
Candidate Starts for DillTech15_16:
(Start: 142 @14841 has 207 MA's), (215, 14928), (Start: 249 @14973 has 2 MA's), (258, 14997), (299, 15102), (301, 15108), (309, 15126), (332, 15156), (390, 15261), (419, 15315), (422, 15321), (425, 15330), (437, 15351), (450, 15375), (473, 15411), (475, 15417), (535, 15450), (536, 15453), (539, 15462), (544, 15477), (546, 15483), (558, 15501), (564, 15516), (566, 15522), (572, 15540), (573, 15543), (580, 15558), (589, 15573), (591, 15579), (605, 15627), (611, 15639), (614, 15645), (648, 15705), (653, 15717), (666, 15753), (670, 15765), (700, 15840), (704, 15849), (713, 15867), (715, 15873), (806, 16008), (812, 16020), (825, 16056), (885, 16254), (896, 16287), (911, 16317), (919, 16347), (924, 16356), (928, 16362), (944, 16377), (945, 16380), (953, 16401), (955, 16404), (973, 16446), (980, 16476), (992, 16518), (993, 16524),

Gene: Diminimus_29 Start: 22367, Stop: 24103, Start Num: 161
Candidate Starts for Diminimus_29:
(69, 22145), (Start: 119 @22325 has 3 MA's), (Start: 128 @22340 has 2 MA's), (Start: 161 @22367 has 14 MA's), (Start: 176 @22382 has 45 MA's), (201, 22421), (223, 22451), (Start: 227 @22457 has 45 MA's), (237, 22469), (291, 22574), (295, 22589), (323, 22628), (389, 22751), (395, 22760), (445, 22856), (471, 22898), (473, 22901), (562, 23078), (610, 23189), (636, 23216), (669, 23288), (670, 23297), (671, 23300), (675, 23312), (730, 23432), (731, 23435), (746, 23477), (761, 23507), (764, 23513), (824, 23633), (826, 23639), (969, 23993), (977, 24020), (983, 24038), (985, 24047),

Gene: Dina_17 Start: 16286, Stop: 17983, Start Num: 132
Candidate Starts for Dina_17:
(Start: 132 @16286 has 8 MA's), (Start: 148 @16307 has 5 MA's), (Start: 212 @16391 has 47 MA's), (232, 16418), (237, 16424), (318, 16556), (346, 16607), (367, 16640), (371, 16649), (448, 16784), (469, 16817), (477, 16835), (503, 16889), (536, 16934), (562, 16991), (565, 17003), (577, 17042), (617, 17093), (622, 17102), (637, 17123), (670, 17189), (703, 17279), (758, 17387), (773, 17441), (775, 17447), (781, 17465), (837, 17561), (853, 17582), (869, 17627), (929, 17786), (939, 17801), (944, 17816), (948, 17828), (998, 17972),

Gene: Dinger_23 Start: 16304, Stop: 17944, Start Num: 171
Candidate Starts for Dinger_23:
(Start: 171 @16304 has 28 MA's), (Start: 182 @16319 has 32 MA's), (232, 16388), (256, 16424), (367, 16610), (439, 16739), (465, 16781), (475, 16799), (478, 16808), (486, 16832), (495, 16850), (525, 16880), (534, 16895), (535, 16898), (546, 16937), (556, 16946), (590, 17030), (669, 17147), (675, 17171), (730, 17285), (762, 17363), (772, 17402), (775, 17414), (778, 17423), (808, 17444), (835, 17522), (894, 17669), (938, 17768), (943, 17783), (998, 17936),

Gene: DinoDaryn_24 Start: 16702, Stop: 18030, Start Num: 303
Candidate Starts for DinoDaryn_24:
(Start: 303 @16702 has 11 MA's), (315, 16717), (378, 16831), (399, 16861), (421, 16906), (445, 16951), (477, 17008), (483, 17026), (486, 17035), (494, 17059), (496, 17065), (497, 17068), (526, 17119), (533, 17131), (596, 17173), (639, 17224), (646, 17233), (660, 17242), (675, 17287), (730, 17398), (747, 17443), (771, 17512), (780, 17533), (833, 17614), (851, 17647), (885, 17734), (899, 17770), (906, 17785), (910, 17794), (933, 17836), (972, 17929), (975, 17947), (992, 18004), (995, 18013),

Gene: DirkDirk_18 Start: 16739, Stop: 18508, Start Num: 136
Candidate Starts for DirkDirk_18:
(Start: 103 @16676 has 1 MA's), (Start: 111 @16697 has 74 MA's), (Start: 119 @16712 has 3 MA's), (Start: 136 @16739 has 48 MA's), (207, 16832), (241, 16880), (246, 16886), (265, 16913), (269, 16922), (295, 16994), (298, 17003), (318, 17027), (327, 17042), (342, 17072), (414, 17198), (417, 17207), (427, 17228), (435, 17243), (475, 17312), (488, 17348), (501, 17369), (542, 17438), (562, 17477), (636, 17615), (644, 17627), (674, 17702), (676, 17708), (683, 17726), (695, 17765), (712, 17798), (716, 17807), (724, 17816), (730, 17825), (774, 17948), (785, 17984), (826, 18032), (830, 18044), (858, 18098), (888, 18194), (893, 18212), (895, 18218), (896, 18221), (912, 18254), (919, 18278), (951, 18341), (965, 18383), (977, 18422), (983, 18440), (989, 18461), (994, 18482),

Gene: DirtMcgirt_17 Start: 14762, Stop: 16339, Start Num: 249
Candidate Starts for DirtMcgirt_17:
(Start: 142 @14630 has 207 MA's), (215, 14717), (Start: 249 @14762 has 2 MA's), (258, 14786), (282, 14843), (299, 14891), (301, 14897), (309, 14915), (332, 14945), (390, 15050), (419, 15104), (422, 15110), (425, 15119), (434, 15131), (437, 15140), (450, 15164), (473, 15200), (475, 15206), (482, 15218), (535, 15239), (536, 15242), (539, 15251), (544, 15266), (546, 15272), (558, 15290), (564, 15305), (566, 15311), (572, 15329), (573, 15332), (580, 15347), (589, 15362), (591, 15368), (600, 15398), (605, 15416), (611, 15428), (614, 15434), (648, 15494), (653, 15506), (666, 15542), (670, 15554), (677, 15575), (700, 15629), (704, 15638), (715, 15662), (730, 15692), (806, 15797), (812, 15809), (825, 15845), (836, 15884), (847, 15923), (878, 16022), (885, 16043), (896, 16076), (911, 16106), (919, 16136), (924, 16145), (928, 16151), (944, 16166), (945, 16169), (953, 16190), (955, 16193), (973, 16235), (980, 16265), (992, 16307), (993, 16313),

Gene: DirtyBoi_20 Start: 16958, Stop: 18652, Start Num: 167
Candidate Starts for DirtyBoi_20:
(Start: 131 @16928 has 1 MA's), (Start: 167 @16958 has 22 MA's), (238, 17060), (266, 17111), (289, 17168), (333, 17219), (372, 17297), (377, 17303), (462, 17453), (535, 17576), (557, 17636), (570, 17672), (588, 17714), (619, 17756), (636, 17780), (654, 17810), (767, 18071), (801, 18146), (824, 18188), (837, 18233), (879, 18329), (880, 18332), (885, 18347), (949, 18506), (951, 18512), (984, 18599), (998, 18644),

Gene: DirtyDunning_27 Start: 19823, Stop: 21601, Start Num: 156
Candidate Starts for DirtyDunning_27:
(Start: 136 @19799 has 48 MA's), (Start: 156 @19823 has 559 MA's), (Start: 204 @19880 has 1 MA's), (241, 19934), (254, 19949), (Start: 260 @19967 has 1 MA's), (Start: 303 @20051 has 11 MA's), (323, 20063), (325, 20066), (367, 20141), (376, 20156), (402, 20195), (465, 20312), (508, 20399), (550, 20480), (572, 20528), (581, 20552), (615, 20639), (644, 20684), (675, 20756), (683, 20777), (689, 20795), (731, 20876), (767, 20969), (769, 20978), (775, 21002), (777, 21008), (784, 21032), (821, 21086), (828, 21107), (842, 21158), (850, 21182), (899, 21332), (943, 21437), (948, 21452), (987, 21560), (992, 21578),

Gene: Discoknowium_24 Start: 19773, Stop: 21572, Start Num: 156

Candidate Starts for Discoknowium_24:
(Start: 156 @19773 has 559 MA's), (241, 19878), (Start: 260 @19911 has 1 MA's), (325, 20010), (367, 20085), (376, 20100), (400, 20136), (436, 20208), (445, 20223), (465, 20256), (469, 20262), (575, 20487), (579, 20493), (615, 20583), (671, 20688), (674, 20697), (689, 20739), (694, 20757), (730, 20817), (731, 20820), (762, 20895), (767, 20913), (820, 21054), (831, 21090), (899, 21303), (942, 21405), (945, 21414), (986, 21528), (992, 21549), (994, 21558),

Gene: DismalFunk_19 Start: 15013, Stop: 16782, Start Num: 176
Candidate Starts for DismalFunk_19:
(Start: 146 @14977 has 1 MA's), (Start: 171 @15007 has 28 MA's), (Start: 176 @15013 has 45 MA's), (Start: 195 @15028 has 1 MA's), (228, 15070), (256, 15118), (272, 15157), (277, 15172), (295, 15223), (311, 15253), (329, 15286), (335, 15298), (342, 15316), (371, 15388), (376, 15394), (430, 15490), (436, 15502), (488, 15604), (492, 15619), (509, 15655), (536, 15691), (557, 15739), (571, 15778), (579, 15802), (587, 15814), (647, 15904), (651, 15913), (751, 16159), (769, 16213), (784, 16267), (841, 16381), (853, 16390), (879, 16465), (896, 16516), (899, 16522), (943, 16603), (948, 16618), (972, 16672), (993, 16753), (1004, 16774),

Gene: DismalStressor_19 Start: 15013, Stop: 16782, Start Num: 176
Candidate Starts for DismalStressor_19:
(Start: 146 @14977 has 1 MA's), (Start: 171 @15007 has 28 MA's), (Start: 176 @15013 has 45 MA's), (Start: 195 @15028 has 1 MA's), (228, 15070), (256, 15118), (272, 15157), (277, 15172), (295, 15223), (311, 15253), (329, 15286), (335, 15298), (342, 15316), (371, 15388), (376, 15394), (430, 15490), (436, 15502), (488, 15604), (492, 15619), (509, 15655), (536, 15691), (557, 15739), (571, 15778), (579, 15802), (587, 15814), (647, 15904), (651, 15913), (751, 16159), (769, 16213), (784, 16267), (841, 16381), (853, 16390), (879, 16465), (896, 16516), (899, 16522), (943, 16603), (948, 16618), (972, 16672), (993, 16753), (1004, 16774),

Gene: Dixon_24 Start: 18653, Stop: 20443, Start Num: 156
Candidate Starts for Dixon_24:
(Start: 136 @18629 has 48 MA's), (Start: 156 @18653 has 559 MA's), (235, 18746), (Start: 260 @18791 has 1 MA's), (325, 18890), (344, 18926), (367, 18965), (376, 18980), (400, 19016), (465, 19136), (469, 19142), (536, 19262), (590, 19391), (615, 19463), (674, 19577), (767, 19793), (775, 19826), (821, 19928), (831, 19961), (835, 19976), (844, 20006), (942, 20276), (945, 20285), (948, 20294), (989, 20408),

Gene: Dmitri_19 Start: 17502, Stop: 19196, Start Num: 167
Candidate Starts for Dmitri_19:
(122, 17460), (Start: 131 @17472 has 1 MA's), (Start: 167 @17502 has 22 MA's), (238, 17604), (266, 17655), (289, 17712), (333, 17763), (372, 17841), (377, 17847), (462, 17997), (535, 18120), (557, 18180), (570, 18216), (588, 18258), (619, 18300), (654, 18354), (767, 18615), (801, 18690), (824, 18732), (837, 18777), (879, 18873), (880, 18876), (885, 18891), (949, 19050), (951, 19056), (984, 19143), (998, 19188),

Gene: DmpstrDiver_35 Start: 27492, Stop: 29490, Start Num: 141
Candidate Starts for DmpstrDiver_35:
(Start: 141 @27492 has 37 MA's), (Start: 212 @27582 has 47 MA's), (245, 27630), (258, 27660), (272, 27687), (317, 27789), (334, 27819), (354, 27870), (385, 27918), (407, 27954), (409, 27960), (420, 27981), (457, 28053), (464, 28062), (475, 28083), (566, 28191), (567, 28194), (572, 28209), (591, 28248), (605, 28296), (611, 28308), (614, 28314), (630, 28362), (635, 28371), (650, 28392), (658, 28410), (673, 28458), (713, 28560), (746, 28632), (766, 28677), (768, 28689), (795, 28824), (796, 28830), (797, 28854), (798, 28926), (804, 28953), (886, 29202),

Gene: DoRead_16 Start: 14774, Stop: 16483, Start Num: 142

Candidate Starts for DoRead_16:
(Start: 142 @14774 has 207 MA's), (215, 14861), (Start: 249 @14906 has 2 MA's), (258, 14930), (299, 15035), (301, 15041), (309, 15059), (332, 15089), (390, 15194), (422, 15254), (425, 15263), (432, 15272), (434, 15275), (437, 15284), (447, 15302), (450, 15308), (535, 15383), (558, 15434), (564, 15449), (566, 15455), (580, 15491), (582, 15494), (589, 15506), (591, 15512), (605, 15560), (611, 15572), (614, 15578), (648, 15638), (653, 15650), (666, 15686), (670, 15698), (700, 15773), (704, 15782), (713, 15800), (715, 15806), (730, 15836), (806, 15941), (810, 15950), (812, 15953), (825, 15989), (847, 16067), (878, 16166), (885, 16187), (896, 16220), (911, 16250), (919, 16280), (924, 16289), (928, 16295), (944, 16310), (945, 16313), (955, 16337), (968, 16367), (973, 16379), (980, 16409), (992, 16451),

Gene: DobbysSock_19 Start: 16820, Stop: 18400, Start Num: 213
Candidate Starts for DobbysSock_19:
(123, 16703), (Start: 213 @16820 has 53 MA's), (358, 17078), (369, 17099), (406, 17153), (423, 17192), (455, 17249), (469, 17270), (585, 17441), (592, 17459), (606, 17483), (631, 17504), (663, 17546), (691, 17627), (730, 17717), (768, 17819), (769, 17822), (784, 17876), (910, 18146), (948, 18245), (951, 18254), (965, 18284),

Gene: DocMcStuffins_17 Start: 14677, Stop: 16386, Start Num: 142
Candidate Starts for DocMcStuffins_17:
(Start: 142 @14677 has 207 MA's), (215, 14764), (Start: 249 @14809 has 2 MA's), (258, 14833), (299, 14938), (301, 14944), (309, 14962), (320, 14971), (332, 14992), (390, 15097), (422, 15157), (425, 15166), (434, 15178), (437, 15187), (450, 15211), (473, 15247), (475, 15253), (482, 15265), (535, 15286), (536, 15289), (539, 15298), (544, 15313), (546, 15319), (558, 15337), (564, 15352), (566, 15358), (572, 15376), (573, 15379), (580, 15394), (589, 15409), (591, 15415), (605, 15463), (611, 15475), (614, 15481), (648, 15541), (653, 15553), (658, 15562), (666, 15589), (670, 15601), (700, 15676), (704, 15685), (713, 15703), (715, 15709), (730, 15739), (806, 15844), (810, 15853), (812, 15856), (825, 15892), (847, 15970), (878, 16069), (885, 16090), (896, 16123), (911, 16153), (919, 16183), (922, 16189), (924, 16192), (928, 16198), (944, 16213), (945, 16216), (953, 16237), (955, 16240), (973, 16282), (992, 16354), (993, 16360),

Gene: DoctorDiddles_24 Start: 18992, Stop: 20587, Start Num: 212
Candidate Starts for DoctorDiddles_24:
(Start: 147 @18908 has 120 MA's), (Start: 212 @18992 has 47 MA's), (Start: 260 @19070 has 1 MA's), (296, 19157), (301, 19172), (332, 19220), (349, 19259), (405, 19346), (420, 19379), (437, 19415), (454, 19445), (457, 19451), (538, 19520), (561, 19550), (565, 19562), (566, 19565), (591, 19622), (650, 19754), (651, 19760), (675, 19826), (677, 19832), (686, 19856), (704, 19904), (715, 19928), (721, 19937), (754, 20012), (810, 20063), (819, 20078), (867, 20240), (875, 20267), (885, 20297), (926, 20402), (971, 20480), (980, 20516), (983, 20525), (992, 20558), (998, 20573),

Gene: DoctorFroggo_34 Start: 30944, Stop: 32566, Start Num: 183
Candidate Starts for DoctorFroggo_34:
(Start: 138 @30887 has 1 MA's), (Start: 183 @30944 has 17 MA's), (201, 30965), (247, 31028), (274, 31091), (296, 31151), (300, 31163), (344, 31250), (373, 31301), (390, 31331), (434, 31412), (447, 31439), (567, 31538), (578, 31568), (584, 31577), (597, 31613), (621, 31673), (648, 31721), (651, 31730), (688, 31829), (706, 31868), (713, 31880), (812, 32036), (819, 32048), (826, 32075), (842, 32132), (856, 32171), (858, 32180), (873, 32237), (877, 32249), (893, 32297), (896, 32306), (899, 32312), (909, 32333), (948, 32411), (994, 32549),

Gene: Dogfish_21 Start: 18185, Stop: 19831, Start Num: 225
Candidate Starts for Dogfish_21:
(Start: 225 @18185 has 3 MA's), (267, 18275), (277, 18299), (280, 18305), (309, 18383), (345, 18449), (347, 18455), (411, 18566), (415, 18575), (428, 18602), (434, 18611), (444, 18632), (565, 18803),

(566, 18806), (592, 18872), (597, 18887), (618, 18941), (626, 18971), (636, 18980), (661, 19022), (666, 19043), (683, 19091), (687, 19103), (695, 19130), (726, 19199), (759, 19268), (806, 19301), (828, 19358), (843, 19409), (864, 19478), (893, 19565), (899, 19580), (920, 19637), (926, 19646), (969, 19724), (972, 19730),

Gene: Doggs_18 Start: 17205, Stop: 18899, Start Num: 167
Candidate Starts for Doggs_18:
(33, 16734), (58, 16884), (Start: 131 @17175 has 1 MA's), (Start: 167 @17205 has 22 MA's), (238, 17307), (256, 17334), (Start: 260 @17346 has 1 MA's), (266, 17358), (289, 17415), (333, 17466), (341, 17487), (372, 17544), (377, 17550), (462, 17700), (535, 17823), (557, 17883), (570, 17919), (619, 18003), (654, 18057), (767, 18318), (800, 18390), (801, 18393), (824, 18435), (837, 18480), (879, 18576), (880, 18579), (885, 18594), (949, 18753), (951, 18759), (984, 18846), (998, 18891),

Gene: Dole_23 Start: 17171, Stop: 18937, Start Num: 178
Candidate Starts for Dole_23:
(Start: 178 @17171 has 139 MA's), (198, 17201), (284, 17360), (295, 17393), (311, 17423), (329, 17456), (335, 17468), (371, 17558), (395, 17594), (400, 17600), (436, 17672), (441, 17681), (465, 17720), (484, 17765), (485, 17768), (491, 17786), (492, 17789), (536, 17861), (551, 17903), (557, 17909), (567, 17936), (579, 17972), (607, 18029), (647, 18074), (656, 18092), (676, 18152), (688, 18182), (702, 18209), (751, 18314), (779, 18404), (821, 18473), (832, 18509), (841, 18539), (853, 18548), (879, 18623), (896, 18674), (948, 18773), (971, 18824), (993, 18908), (994, 18911), (1004, 18929),

Gene: Dolores_20 Start: 17322, Stop: 18902, Start Num: 213
Candidate Starts for Dolores_20:
(123, 17205), (Start: 213 @17322 has 53 MA's), (358, 17580), (369, 17601), (406, 17655), (423, 17694), (455, 17751), (469, 17772), (585, 17943), (592, 17961), (606, 17985), (631, 18006), (663, 18048), (691, 18129), (730, 18219), (747, 18264), (768, 18321), (769, 18324), (784, 18378), (836, 18468), (948, 18747), (951, 18756), (965, 18786),

Gene: DonkeyMan_18 Start: 14949, Stop: 16565, Start Num: 177
Candidate Starts for DonkeyMan_18:
(Start: 177 @14949 has 11 MA's), (247, 15048), (255, 15072), (300, 15183), (301, 15186), (306, 15204), (317, 15213), (348, 15279), (361, 15294), (364, 15303), (368, 15309), (409, 15381), (418, 15399), (446, 15453), (450, 15462), (532, 15516), (566, 15552), (567, 15555), (607, 15663), (642, 15735), (648, 15741), (651, 15750), (661, 15768), (691, 15858), (746, 15972), (753, 15990), (761, 16002), (821, 16068), (835, 16116), (839, 16128), (842, 16140), (848, 16161), (854, 16173), (858, 16188), (867, 16218), (878, 16254), (964, 16443), (984, 16506), (990, 16527), (998, 16551),

Gene: Donkeykong_16 Start: 14982, Stop: 16691, Start Num: 142
Candidate Starts for Donkeykong_16:
(Start: 142 @14982 has 207 MA's), (215, 15069), (Start: 249 @15114 has 2 MA's), (258, 15138), (282, 15195), (299, 15243), (301, 15249), (309, 15267), (332, 15297), (390, 15402), (422, 15462), (425, 15471), (437, 15492), (450, 15516), (475, 15558), (535, 15591), (539, 15603), (544, 15618), (546, 15624), (558, 15642), (564, 15657), (566, 15663), (580, 15699), (589, 15714), (591, 15720), (605, 15768), (611, 15780), (614, 15786), (648, 15846), (653, 15858), (666, 15894), (670, 15906), (700, 15981), (704, 15990), (713, 16008), (715, 16014), (730, 16044), (806, 16149), (810, 16158), (812, 16161), (825, 16197), (847, 16275), (878, 16374), (885, 16395), (896, 16428), (911, 16458), (919, 16488), (924, 16497), (928, 16503), (944, 16518), (945, 16521), (955, 16545), (968, 16575), (973, 16587), (980, 16617), (992, 16659),

Gene: Donovan_19 Start: 16374, Stop: 18110, Start Num: 137
Candidate Starts for Donovan_19:

(Start: 121 @16350 has 6 MA's), (Start: 137 @16374 has 45 MA's), (Start: 186 @16434 has 1 MA's), (198, 16455), (201, 16458), (274, 16578), (290, 16617), (300, 16650), (317, 16674), (382, 16794), (405, 16833), (407, 16839), (447, 16923), (450, 16929), (457, 16941), (473, 16965), (485, 16992), (538, 17010), (555, 17049), (558, 17055), (567, 17079), (591, 17133), (594, 17145), (597, 17154), (621, 17214), (658, 17292), (670, 17331), (682, 17364), (704, 17430), (711, 17445), (715, 17454), (726, 17478), (740, 17508), (746, 17520), (822, 17622), (827, 17634), (828, 17637), (830, 17643), (832, 17652), (865, 17760), (892, 17844), (937, 17943), (983, 18051), (998, 18099),

Gene: DontArgue_26 Start: 18145, Stop: 19923, Start Num: 156
Candidate Starts for DontArgue_26:
(Start: 136 @18121 has 48 MA's), (Start: 156 @18145 has 559 MA's), (Start: 204 @18202 has 1 MA's), (215, 18217), (237, 18247), (254, 18271), (323, 18385), (325, 18388), (367, 18463), (465, 18634), (508, 18721), (546, 18796), (567, 18835), (615, 18961), (644, 19006), (683, 19099), (687, 19111), (767, 19291), (769, 19300), (775, 19324), (777, 19330), (782, 19345), (808, 19378), (828, 19429), (899, 19654), (943, 19759), (945, 19765), (948, 19774), (992, 19900),

Gene: Doom_28 Start: 21888, Stop: 23690, Start Num: 159
Candidate Starts for Doom_28:
(Start: 159 @21888 has 217 MA's), (Start: 176 @21909 has 45 MA's), (Start: 204 @21951 has 1 MA's), (237, 21996), (367, 22212), (395, 22257), (402, 22266), (421, 22305), (448, 22356), (449, 22359), (556, 22554), (581, 22623), (674, 22824), (675, 22827), (683, 22848), (730, 22944), (731, 22947), (733, 22953), (762, 23022), (767, 23040), (769, 23049), (777, 23079), (821, 23175), (831, 23208), (835, 23223), (879, 23364), (899, 23421), (945, 23532), (1000, 23685),

Gene: Doomphist_16 Start: 14940, Stop: 16649, Start Num: 142
Candidate Starts for Doomphist_16:
(Start: 142 @14940 has 207 MA's), (215, 15027), (Start: 249 @15072 has 2 MA's), (258, 15096), (299, 15201), (301, 15207), (309, 15225), (332, 15255), (390, 15360), (422, 15420), (434, 15441), (437, 15450), (450, 15474), (535, 15549), (558, 15600), (564, 15615), (566, 15621), (580, 15657), (582, 15660), (589, 15672), (591, 15678), (605, 15726), (611, 15738), (614, 15744), (648, 15804), (653, 15816), (666, 15852), (670, 15864), (700, 15939), (704, 15948), (713, 15966), (715, 15972), (730, 16002), (806, 16107), (812, 16119), (825, 16155), (847, 16233), (878, 16332), (885, 16353), (896, 16386), (911, 16416), (919, 16446), (922, 16452), (924, 16455), (928, 16461), (944, 16476), (945, 16479), (953, 16500), (955, 16503), (973, 16545), (992, 16617), (993, 16623),

Gene: Dorito_19 Start: 16822, Stop: 18402, Start Num: 213
Candidate Starts for Dorito_19:
(11, 16045), (26, 16201), (53, 16396), (61, 16432), (62, 16435), (70, 16519), (72, 16525), (98, 16651), (123, 16705), (Start: 213 @16822 has 53 MA's), (313, 16993), (358, 17080), (367, 17098), (369, 17101), (406, 17155), (423, 17194), (455, 17251), (469, 17272), (585, 17443), (592, 17461), (606, 17485), (631, 17506), (663, 17548), (691, 17629), (730, 17719), (768, 17821), (784, 17878), (836, 17968), (948, 18247), (951, 18256), (965, 18286),

Gene: Dorothea_31 Start: 19977, Stop: 21749, Start Num: 156
Candidate Starts for Dorothea_31:
(110, 19911), (Start: 136 @19953 has 48 MA's), (Start: 156 @19977 has 559 MA's), (286, 20175), (325, 20214), (366, 20286), (367, 20289), (379, 20307), (402, 20343), (406, 20349), (465, 20460), (469, 20466), (508, 20547), (536, 20586), (550, 20628), (556, 20631), (575, 20691), (684, 20928), (689, 20943), (731, 21024), (766, 21111), (777, 21156), (835, 21282), (852, 21333), (855, 21342), (866, 21381), (867, 21384), (869, 21396), (899, 21480), (943, 21585), (945, 21591), (992, 21726),

Gene: Dorothy_16 Start: 14766, Stop: 16475, Start Num: 142
Candidate Starts for Dorothy_16:

(Start: 142 @14766 has 207 MA's), (215, 14853), (Start: 249 @14898 has 2 MA's), (258, 14922), (299, 15027), (301, 15033), (309, 15051), (332, 15081), (390, 15186), (422, 15246), (434, 15267), (437, 15276), (450, 15300), (558, 15426), (564, 15441), (566, 15447), (580, 15483), (582, 15486), (589, 15498), (591, 15504), (605, 15552), (611, 15564), (614, 15570), (648, 15630), (653, 15642), (666, 15678), (670, 15690), (700, 15765), (704, 15774), (713, 15792), (715, 15798), (730, 15828), (806, 15933), (810, 15942), (812, 15945), (825, 15981), (847, 16059), (878, 16158), (885, 16179), (896, 16212), (911, 16242), (919, 16272), (924, 16281), (928, 16287), (944, 16302), (945, 16305), (953, 16326), (955, 16329), (973, 16371), (980, 16401), (992, 16443),

Gene: DosHalletts_17 Start: 14741, Stop: 16450, Start Num: 142
Candidate Starts for DosHalletts_17:
(Start: 142 @14741 has 207 MA's), (215, 14828), (Start: 249 @14873 has 2 MA's), (258, 14897), (291, 14975), (299, 15002), (301, 15008), (309, 15026), (332, 15056), (390, 15161), (422, 15221), (434, 15242), (437, 15251), (450, 15275), (475, 15317), (535, 15350), (539, 15362), (544, 15377), (558, 15401), (564, 15416), (566, 15422), (580, 15458), (589, 15473), (591, 15479), (605, 15527), (611, 15539), (614, 15545), (648, 15605), (653, 15617), (666, 15653), (670, 15665), (700, 15740), (704, 15749), (713, 15767), (715, 15773), (730, 15803), (806, 15908), (810, 15917), (812, 15920), (825, 15956), (847, 16034), (878, 16133), (885, 16154), (896, 16187), (911, 16217), (918, 16244), (919, 16247), (924, 16256), (928, 16262), (944, 16277), (945, 16280), (953, 16301), (955, 16304), (959, 16313), (973, 16346), (980, 16376), (992, 16418),

Gene: DotProduct_16 Start: 14816, Stop: 16525, Start Num: 142
Candidate Starts for DotProduct_16:
(Start: 142 @14816 has 207 MA's), (215, 14903), (Start: 249 @14948 has 2 MA's), (258, 14972), (266, 14993), (299, 15077), (301, 15083), (309, 15101), (332, 15131), (390, 15236), (422, 15296), (425, 15305), (434, 15317), (437, 15326), (450, 15350), (535, 15425), (536, 15428), (544, 15452), (546, 15458), (558, 15476), (564, 15491), (566, 15497), (572, 15515), (573, 15518), (580, 15533), (582, 15536), (589, 15548), (591, 15554), (600, 15584), (605, 15602), (611, 15614), (614, 15620), (648, 15680), (653, 15692), (666, 15728), (670, 15740), (677, 15761), (700, 15815), (704, 15824), (715, 15848), (730, 15878), (806, 15983), (810, 15992), (812, 15995), (825, 16031), (836, 16070), (847, 16109), (878, 16208), (885, 16229), (896, 16262), (911, 16292), (919, 16322), (924, 16331), (928, 16337), (944, 16352), (945, 16355), (953, 16376), (955, 16379), (973, 16421), (980, 16451), (992, 16493), (993, 16499),

Gene: Doug_17 Start: 15357, Stop: 17066, Start Num: 142
Candidate Starts for Doug_17:
(Start: 142 @15357 has 207 MA's), (215, 15444), (Start: 249 @15489 has 2 MA's), (258, 15513), (299, 15618), (301, 15624), (309, 15642), (332, 15672), (390, 15777), (422, 15837), (434, 15858), (437, 15867), (450, 15891), (558, 16017), (564, 16032), (566, 16038), (580, 16074), (582, 16077), (589, 16089), (591, 16095), (605, 16143), (611, 16155), (614, 16161), (648, 16221), (653, 16233), (666, 16269), (670, 16281), (677, 16302), (700, 16356), (704, 16365), (713, 16383), (715, 16389), (806, 16524), (812, 16536), (825, 16572), (847, 16650), (878, 16749), (885, 16770), (896, 16803), (911, 16833), (919, 16863), (922, 16869), (924, 16872), (928, 16878), (944, 16893), (945, 16896), (953, 16917), (955, 16920), (973, 16962), (992, 17034),

Gene: Douge_18 Start: 16581, Stop: 18344, Start Num: 136
Candidate Starts for Douge_18:
(Start: 136 @16581 has 48 MA's), (246, 16722), (295, 16830), (296, 16833), (412, 17031), (414, 17034), (419, 17046), (430, 17067), (484, 17175), (501, 17205), (562, 17313), (572, 17346), (575, 17361), (588, 17382), (674, 17538), (695, 17601), (716, 17643), (724, 17652), (746, 17706), (764, 17742), (826, 17868), (835, 17901), (878, 18003), (881, 18012), (888, 18030), (896, 18057), (919, 18114), (943, 18153), (951, 18177), (963, 18213), (969, 18228), (977, 18258), (985, 18285), (989, 18297), (994, 18318),

Gene: Doughnut_19 Start: 15033, Stop: 16802, Start Num: 176
Candidate Starts for Doughnut_19:
(Start: 146 @14997 has 1 MA's), (Start: 171 @15027 has 28 MA's), (Start: 176 @15033 has 45 MA's), (Start: 195 @15048 has 1 MA's), (228, 15090), (256, 15138), (272, 15177), (277, 15192), (295, 15243), (311, 15273), (329, 15306), (335, 15318), (342, 15336), (371, 15408), (376, 15414), (430, 15510), (436, 15522), (485, 15618), (536, 15711), (541, 15729), (551, 15753), (557, 15759), (571, 15798), (579, 15822), (587, 15834), (647, 15924), (651, 15933), (671, 15987), (682, 16017), (730, 16128), (751, 16179), (784, 16287), (841, 16401), (853, 16410), (879, 16485), (896, 16536), (899, 16542), (948, 16638), (972, 16692), (993, 16773), (1004, 16794),

Gene: Douzhi_18 Start: 16572, Stop: 18335, Start Num: 136
Candidate Starts for Douzhi_18:
(Start: 136 @16572 has 48 MA's), (246, 16713), (295, 16821), (296, 16824), (412, 17022), (414, 17025), (419, 17037), (430, 17058), (484, 17166), (501, 17196), (562, 17304), (572, 17337), (575, 17352), (588, 17373), (674, 17529), (695, 17592), (716, 17634), (724, 17643), (731, 17655), (746, 17697), (764, 17733), (826, 17859), (835, 17892), (878, 17994), (881, 18003), (888, 18021), (896, 18048), (919, 18105), (943, 18144), (951, 18168), (963, 18204), (969, 18219), (977, 18249), (985, 18276), (989, 18288), (994, 18309),

Gene: Dove_34 Start: 26623, Stop: 28356, Start Num: 141
Candidate Starts for Dove_34:
(Start: 141 @26623 has 37 MA's), (Start: 212 @26713 has 47 MA's), (245, 26761), (258, 26791), (272, 26818), (317, 26920), (334, 26950), (385, 27049), (407, 27085), (409, 27091), (420, 27112), (457, 27184), (464, 27193), (475, 27214), (546, 27283), (566, 27322), (567, 27325), (572, 27340), (591, 27379), (605, 27427), (611, 27439), (614, 27445), (630, 27493), (635, 27502), (650, 27523), (658, 27541), (673, 27589), (713, 27691), (740, 27751), (746, 27763), (819, 27847), (821, 27859), (822, 27865), (827, 27877), (828, 27880), (839, 27919), (844, 27937), (857, 27973), (858, 27979), (885, 28066), (918, 28156), (948, 28198), (958, 28216), (969, 28246), (981, 28288), (998, 28342),

Gene: DrDrey_25 Start: 20238, Stop: 21917, Start Num: 147
Candidate Starts for DrDrey_25:
(Start: 147 @20238 has 120 MA's), (Start: 212 @20322 has 47 MA's), (Start: 260 @20400 has 1 MA's), (296, 20487), (301, 20502), (332, 20550), (349, 20589), (405, 20676), (420, 20709), (437, 20745), (454, 20775), (457, 20781), (538, 20850), (561, 20880), (565, 20892), (566, 20895), (591, 20952), (650, 21084), (651, 21090), (675, 21156), (677, 21162), (686, 21186), (704, 21234), (715, 21258), (721, 21267), (754, 21342), (810, 21393), (819, 21408), (867, 21570), (875, 21597), (885, 21627), (926, 21732), (971, 21810), (980, 21846), (983, 21855), (992, 21888), (998, 21903),

Gene: DrFeelGood_26 Start: 21434, Stop: 23236, Start Num: 159
Candidate Starts for DrFeelGood_26:
(Start: 159 @21434 has 217 MA's), (Start: 176 @21455 has 45 MA's), (Start: 204 @21497 has 1 MA's), (237, 21542), (367, 21758), (395, 21803), (402, 21812), (421, 21851), (448, 21902), (449, 21905), (556, 22100), (581, 22169), (674, 22370), (675, 22373), (683, 22394), (730, 22490), (731, 22493), (733, 22499), (762, 22568), (767, 22586), (769, 22595), (777, 22625), (821, 22721), (831, 22754), (835, 22769), (879, 22910), (899, 22967), (945, 23078), (1000, 23231),

Gene: DrHayes_23 Start: 17102, Stop: 18868, Start Num: 178
Candidate Starts for DrHayes_23:
(Start: 178 @17102 has 139 MA's), (198, 17132), (284, 17291), (295, 17324), (311, 17354), (329, 17387), (335, 17399), (371, 17489), (400, 17531), (436, 17603), (441, 17612), (465, 17651), (484, 17696), (492, 17720), (536, 17792), (551, 17834), (557, 17840), (567, 17867), (647, 18005), (656, 18023), (670, 18065), (688, 18113), (702, 18140), (751, 18245), (779, 18335), (832, 18440), (841,

18470), (853, 18479), (879, 18554), (896, 18605), (983, 18800), (993, 18839), (994, 18842), (1004, 18860),

Gene: DrSeegs_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for DrSeegs_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Drago_17 Start: 14628, Stop: 16337, Start Num: 142
Candidate Starts for Drago_17:
(Start: 142 @14628 has 207 MA's), (215, 14715), (Start: 249 @14760 has 2 MA's), (258, 14784), (282, 14841), (299, 14889), (301, 14895), (309, 14913), (332, 14943), (390, 15048), (419, 15102), (422, 15108), (425, 15117), (434, 15129), (437, 15138), (450, 15162), (473, 15198), (475, 15204), (482, 15216), (535, 15237), (536, 15240), (539, 15249), (544, 15264), (546, 15270), (558, 15288), (564, 15303), (566, 15309), (572, 15327), (573, 15330), (580, 15345), (589, 15360), (591, 15366), (600, 15396), (605, 15414), (611, 15426), (614, 15432), (648, 15492), (653, 15504), (666, 15540), (670, 15552), (677, 15573), (700, 15627), (704, 15636), (715, 15660), (730, 15690), (806, 15795), (812, 15807), (825, 15843), (836, 15882), (847, 15921), (878, 16020), (885, 16041), (896, 16074), (911, 16104), (919, 16134), (924, 16143), (928, 16149), (944, 16164), (945, 16167), (953, 16188), (955, 16191), (973, 16233), (980, 16263), (992, 16305), (993, 16311),

Gene: Drake55_30 Start: 20670, Stop: 22442, Start Num: 156
Candidate Starts for Drake55_30:
(Start: 136 @20646 has 48 MA's), (Start: 156 @20670 has 559 MA's), (259, 20805), (323, 20904), (325, 20907), (366, 20979), (367, 20982), (402, 21036), (406, 21042), (436, 21105), (465, 21153), (479, 21186), (484, 21198), (508, 21240), (550, 21321), (556, 21324), (567, 21354), (635, 21510), (675, 21597), (723, 21702), (731, 21717), (774, 21840), (775, 21843), (777, 21849), (808, 21897), (831, 21960), (835, 21975), (837, 21981), (855, 22035), (866, 22074), (869, 22089), (881, 22122), (896, 22167), (943, 22278), (945, 22284), (968, 22338),

Gene: Drake94_26 Start: 17881, Stop: 19659, Start Num: 156
Candidate Starts for Drake94_26:
(Start: 136 @17857 has 48 MA's), (Start: 156 @17881 has 559 MA's), (Start: 204 @17938 has 1 MA's), (215, 17953), (254, 18007), (323, 18121), (325, 18124), (367, 18199), (391, 18238), (465, 18370), (508, 18457), (546, 18532), (567, 18571), (581, 18610), (615, 18697), (644, 18742), (674, 18811), (683, 18835), (687, 18847), (689, 18853), (767, 19027), (769, 19036), (775, 19060), (777, 19066), (782, 19081), (808, 19114), (828, 19165), (844, 19222), (845, 19228), (899, 19390), (943, 19495), (945, 19501), (948, 19510), (992, 19636),

Gene: Dre3_18 Start: 15938, Stop: 17629, Start Num: 151
Candidate Starts for Dre3_18:
(Start: 151 @15938 has 50 MA's), (241, 16052), (Start: 260 @16085 has 1 MA's), (377, 16286), (400, 16322), (445, 16409), (495, 16511), (525, 16544), (530, 16556), (534, 16559), (553, 16616), (567, 16649), (572, 16664), (583, 16691), (598, 16730), (635, 16766), (637, 16772), (666, 16826), (674, 16850), (688, 16889), (690, 16895), (730, 16967), (736, 16985), (740, 16994), (744, 17003), (767, 17060), (771, 17078), (832, 17189), (835, 17201), (840, 17216), (853, 17228), (878, 17300), (879, 17303), (914, 17399), (925, 17426), (940, 17450), (945, 17468),

Gene: DreamCatcher_30 Start: 22505, Stop: 24307, Start Num: 159

Candidate Starts for DreamCatcher_30:
(Start: 159 @22505 has 217 MA's), (Start: 176 @22526 has 45 MA's), (Start: 204 @22568 has 1 MA's), (237, 22613), (367, 22829), (395, 22874), (402, 22883), (421, 22922), (448, 22973), (449, 22976), (556, 23171), (581, 23240), (674, 23441), (675, 23444), (683, 23465), (730, 23561), (731, 23564), (733, 23570), (762, 23639), (767, 23657), (769, 23666), (777, 23696), (821, 23792), (831, 23825), (835, 23840), (879, 23981), (899, 24038), (945, 24149), (1000, 24302),

Gene: DreamTeam1_28 Start: 19699, Stop: 21489, Start Num: 156
Candidate Starts for DreamTeam1_28:
(110, 19633), (Start: 136 @19675 has 48 MA's), (Start: 156 @19699 has 559 MA's), (323, 19933), (325, 19936), (366, 20008), (367, 20011), (376, 20026), (379, 20029), (402, 20065), (406, 20071), (430, 20122), (445, 20149), (448, 20155), (465, 20182), (469, 20188), (479, 20215), (508, 20269), (550, 20350), (556, 20353), (575, 20413), (669, 20602), (689, 20665), (712, 20716), (731, 20746), (775, 20872), (821, 20974), (824, 20983), (831, 21007), (835, 21022), (842, 21046), (866, 21121), (869, 21136), (899, 21220), (943, 21325), (945, 21331), (968, 21385), (983, 21433),

Gene: Dreamboat_28 Start: 21057, Stop: 22859, Start Num: 159
Candidate Starts for Dreamboat_28:
(Start: 159 @21057 has 217 MA's), (Start: 176 @21078 has 45 MA's), (Start: 204 @21120 has 1 MA's), (237, 21165), (367, 21381), (395, 21426), (402, 21435), (448, 21525), (449, 21528), (556, 21723), (581, 21792), (674, 21993), (675, 21996), (683, 22017), (730, 22113), (731, 22116), (733, 22122), (762, 22191), (767, 22209), (769, 22218), (777, 22248), (821, 22344), (831, 22377), (835, 22392), (879, 22533), (899, 22590), (945, 22701),

Gene: DroogsArmy_28 Start: 22621, Stop: 24423, Start Num: 156
Candidate Starts for DroogsArmy_28:
(Start: 144 @22609 has 2 MA's), (Start: 156 @22621 has 559 MA's), (201, 22666), (217, 22687), (323, 22852), (325, 22855), (367, 22930), (376, 22945), (469, 23107), (473, 23113), (508, 23188), (575, 23332), (636, 23458), (644, 23470), (674, 23539), (689, 23581), (730, 23677), (731, 23680), (736, 23695), (762, 23755), (767, 23773), (769, 23782), (775, 23806), (777, 23812), (820, 23905), (821, 23908), (831, 23941), (835, 23956), (845, 23992), (847, 23998), (875, 24085), (878, 24094), (934, 24235), (945, 24265), (948, 24274), (984, 24370), (998, 24415),

Gene: DropBear_27 Start: 19967, Stop: 21766, Start Num: 156
Candidate Starts for DropBear_27:
(Start: 156 @19967 has 559 MA's), (Start: 204 @20027 has 1 MA's), (254, 20096), (Start: 303 @20198 has 11 MA's), (323, 20210), (325, 20213), (367, 20288), (376, 20303), (379, 20306), (402, 20342), (475, 20477), (508, 20546), (567, 20660), (615, 20786), (674, 20900), (683, 20924), (687, 20936), (689, 20942), (731, 21023), (762, 21098), (767, 21116), (769, 21125), (775, 21149), (777, 21155), (782, 21170), (803, 21212), (819, 21239), (820, 21248), (821, 21251), (828, 21272), (831, 21284), (899, 21497), (943, 21602), (945, 21608), (992, 21743),

Gene: Druantia_27 Start: 19828, Stop: 21606, Start Num: 156
Candidate Starts for Druantia_27:
(Start: 136 @19804 has 48 MA's), (Start: 156 @19828 has 559 MA's), (Start: 204 @19885 has 1 MA's), (241, 19939), (254, 19954), (Start: 260 @19972 has 1 MA's), (Start: 303 @20056 has 11 MA's), (323, 20068), (325, 20071), (367, 20146), (376, 20161), (402, 20200), (465, 20317), (508, 20404), (550, 20485), (572, 20533), (581, 20557), (615, 20644), (644, 20689), (675, 20761), (683, 20782), (689, 20800), (731, 20881), (767, 20974), (769, 20983), (775, 21007), (777, 21013), (784, 21037), (821, 21091), (828, 21112), (842, 21163), (850, 21187), (867, 21241), (899, 21337), (943, 21442), (948, 21457), (987, 21565), (992, 21583),

Gene: Dublin_23 Start: 19626, Stop: 21422, Start Num: 156

Candidate Starts for Dublin_23:
(Start: 156 @19626 has 559 MA's), (241, 19731), (Start: 260 @19764 has 1 MA's), (325, 19863), (367, 19938), (376, 19953), (400, 19989), (436, 20061), (445, 20076), (469, 20115), (519, 20202), (567, 20310), (575, 20340), (579, 20346), (644, 20481), (670, 20538), (671, 20541), (674, 20550), (689, 20592), (694, 20610), (730, 20670), (731, 20673), (767, 20766), (769, 20775), (775, 20799), (820, 20907), (831, 20943), (899, 21153), (919, 21207), (942, 21255), (945, 21264), (986, 21378), (992, 21399), (994, 21408),

Gene: DudeLittle_28 Start: 20267, Stop: 22039, Start Num: 156
Candidate Starts for DudeLittle_28:
(Start: 136 @20243 has 48 MA's), (Start: 156 @20267 has 559 MA's), (323, 20501), (325, 20504), (366, 20576), (367, 20579), (402, 20633), (421, 20672), (445, 20717), (465, 20750), (508, 20837), (550, 20918), (556, 20921), (675, 21194), (731, 21314), (775, 21440), (808, 21494), (813, 21503), (821, 21524), (831, 21557), (835, 21572), (837, 21578), (855, 21632), (866, 21671), (869, 21686), (899, 21770), (945, 21881),

Gene: Dulcie_26 Start: 20754, Stop: 22556, Start Num: 159
Candidate Starts for Dulcie_26:
(Start: 159 @20754 has 217 MA's), (Start: 176 @20775 has 45 MA's), (Start: 204 @20817 has 1 MA's), (237, 20862), (367, 21078), (395, 21123), (402, 21132), (421, 21171), (448, 21222), (449, 21225), (556, 21420), (581, 21489), (674, 21690), (675, 21693), (683, 21714), (730, 21810), (731, 21813), (733, 21819), (762, 21888), (767, 21906), (769, 21915), (777, 21945), (821, 22041), (831, 22074), (835, 22089), (879, 22230), (899, 22287), (945, 22398),

Gene: Dulcita_29 Start: 22367, Stop: 24103, Start Num: 161
Candidate Starts for Dulcita_29:
(69, 22145), (Start: 119 @22325 has 3 MA's), (Start: 128 @22340 has 2 MA's), (Start: 161 @22367 has 14 MA's), (Start: 176 @22382 has 45 MA's), (201, 22421), (223, 22451), (Start: 227 @22457 has 45 MA's), (237, 22469), (291, 22574), (295, 22589), (323, 22628), (389, 22751), (395, 22760), (445, 22856), (471, 22898), (473, 22901), (562, 23078), (610, 23189), (636, 23216), (669, 23288), (670, 23297), (671, 23300), (675, 23312), (730, 23432), (731, 23435), (746, 23477), (761, 23507), (764, 23513), (824, 23633), (826, 23639), (969, 23993), (977, 24020), (983, 24038), (985, 24047),

Gene: Dumbo_24 Start: 19297, Stop: 20892, Start Num: 212
Candidate Starts for Dumbo_24:
(Start: 147 @19213 has 120 MA's), (Start: 212 @19297 has 47 MA's), (Start: 260 @19375 has 1 MA's), (296, 19462), (301, 19477), (332, 19525), (349, 19564), (405, 19651), (420, 19684), (437, 19720), (454, 19750), (457, 19756), (538, 19825), (561, 19855), (565, 19867), (566, 19870), (591, 19927), (650, 20059), (651, 20065), (675, 20131), (677, 20137), (686, 20161), (704, 20209), (715, 20233), (721, 20242), (754, 20317), (810, 20368), (819, 20383), (867, 20545), (875, 20572), (885, 20602), (926, 20707), (971, 20785), (980, 20821), (983, 20830), (992, 20863), (998, 20878),

Gene: DumpsterDude_19 Start: 16204, Stop: 17910, Start Num: 222
Candidate Starts for DumpsterDude_19:
(200, 16180), (Start: 222 @16204 has 16 MA's), (Start: 233 @16216 has 1 MA's), (258, 16264), (309, 16393), (314, 16399), (343, 16465), (400, 16579), (433, 16645), (436, 16651), (537, 16831), (539, 16837), (572, 16918), (644, 17032), (688, 17146), (702, 17179), (720, 17209), (721, 17212), (745, 17275), (747, 17278), (762, 17311), (831, 17479), (833, 17485), (876, 17584), (942, 17728), (1004, 17902),

Gene: DuncansLeg_19 Start: 17373, Stop: 19136, Start Num: 136
Candidate Starts for DuncansLeg_19:

(Start: 136 @17373 has 48 MA's), (Start: 161 @17400 has 14 MA's), (207, 17463), (241, 17511), (246, 17517), (269, 17553), (296, 17628), (346, 17715), (414, 17829), (419, 17841), (478, 17952), (556, 18096), (562, 18108), (572, 18141), (674, 18330), (676, 18336), (695, 18393), (716, 18435), (724, 18444), (731, 18456), (762, 18531), (781, 18597), (785, 18612), (826, 18660), (881, 18804), (896, 18849), (915, 18894), (919, 18906), (951, 18969), (963, 19005), (969, 19020), (977, 19050), (979, 19056), (983, 19068), (985, 19077), (989, 19089),

Gene: Duplicity_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Duplicity_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Duplo_31 Start: 20087, Stop: 21877, Start Num: 156
Candidate Starts for Duplo_31:
(110, 20021), (Start: 136 @20063 has 48 MA's), (Start: 156 @20087 has 559 MA's), (269, 20240), (323, 20321), (325, 20324), (366, 20396), (367, 20399), (376, 20414), (402, 20453), (406, 20459), (465, 20570), (475, 20588), (478, 20597), (508, 20657), (550, 20738), (556, 20741), (615, 20897), (635, 20927), (731, 21134), (775, 21260), (821, 21362), (831, 21395), (835, 21410), (842, 21434), (866, 21509), (867, 21512), (869, 21524), (899, 21608), (933, 21686), (943, 21713), (945, 21719), (964, 21764), (968, 21773), (992, 21854),

Gene: Durfee_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Durfee_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Dusk_23 Start: 19405, Stop: 21084, Start Num: 147
Candidate Starts for Dusk_23:
(Start: 147 @19405 has 120 MA's), (Start: 212 @19489 has 47 MA's), (Start: 260 @19567 has 1 MA's), (296, 19654), (301, 19669), (332, 19717), (349, 19756), (405, 19843), (420, 19876), (437, 19912), (454, 19942), (457, 19948), (538, 20017), (561, 20047), (565, 20059), (566, 20062), (591, 20119), (650, 20251), (651, 20257), (675, 20323), (677, 20329), (686, 20353), (704, 20401), (715, 20425), (721, 20434), (754, 20509), (810, 20560), (819, 20575), (867, 20737), (875, 20764), (885, 20794), (926, 20899), (971, 20977), (980, 21013), (983, 21022), (992, 21055), (998, 21070),

Gene: Dussy_28 Start: 21319, Stop: 23121, Start Num: 159
Candidate Starts for Dussy_28:
(Start: 159 @21319 has 217 MA's), (Start: 176 @21340 has 45 MA's), (Start: 204 @21382 has 1 MA's), (237, 21427), (367, 21643), (395, 21688), (402, 21697), (421, 21736), (448, 21787), (449, 21790), (556, 21985), (581, 22054), (674, 22255), (675, 22258), (683, 22279), (730, 22375), (731, 22378), (733, 22384), (762, 22453), (767, 22471), (769, 22480), (777, 22510), (821, 22606), (831, 22639), (835, 22654), (879, 22795), (899, 22852), (945, 22963),

Gene: DustyMartin_31 Start: 19855, Stop: 21633, Start Num: 156
Candidate Starts for DustyMartin_31:
(Start: 156 @19855 has 559 MA's), (Start: 204 @19912 has 1 MA's), (215, 19927), (238, 19960), (254, 19981), (Start: 303 @20083 has 11 MA's), (323, 20095), (325, 20098), (367, 20173), (376, 20188), (402, 20227), (465, 20344), (475, 20362), (508, 20431), (540, 20485), (546, 20506), (567, 20545), (581, 20584), (615, 20671), (644, 20716), (669, 20764), (674, 20785), (683, 20809), (687, 20821), (689, 20827), (731, 20908), (767, 21001), (769, 21010), (775, 21034), (777, 21040), (782, 21055), (808, 21088), (828, 21139), (833, 21157), (845, 21202), (899, 21364), (911, 21388), (912, 21394), (943, 21469), (945, 21475), (948, 21484), (971, 21535), (992, 21610),

Gene: Dusty_46 Start: 29340, Stop: 31031, Start Num: 165
Candidate Starts for Dusty_46:
(Start: 165 @29340 has 14 MA's), (207, 29400), (229, 29433), (Start: 249 @29463 has 2 MA's), (250, 29466), (317, 29625), (322, 29634), (392, 29763), (418, 29811), (591, 30024), (592, 30030), (600, 30054), (661, 30183), (666, 30204), (677, 30237), (754, 30435), (844, 30588), (875, 30687), (879, 30699), (882, 30708), (913, 30792), (981, 30939), (991, 30975),

Gene: Dylan_56 Start: 33569, Stop: 35305, Start Num: 126
Candidate Starts for Dylan_56:
(Start: 120 @33560 has 2 MA's), (Start: 126 @33569 has 26 MA's), (Start: 195 @33659 has 1 MA's), (266, 33776), (282, 33812), (291, 33833), (299, 33860), (301, 33866), (322, 33896), (336, 33920), (363, 33971), (437, 34109), (440, 34115), (472, 34166), (473, 34169), (482, 34187), (558, 34238), (566, 34259), (567, 34262), (580, 34295), (589, 34310), (591, 34316), (605, 34364), (607, 34370), (611, 34376), (632, 34436), (648, 34460), (650, 34463), (666, 34508), (671, 34523), (674, 34532), (677, 34541), (693, 34586), (704, 34604), (721, 34637), (812, 34775), (820, 34796), (840, 34862), (848, 34892), (865, 34946), (878, 34988), (885, 35009), (892, 35030), (896, 35042), (907, 35063), (928, 35117), (971, 35195), (980, 35231), (986, 35252), (993, 35279),

Gene: Dynamix_28 Start: 21136, Stop: 22938, Start Num: 159
Candidate Starts for Dynamix_28:
(Start: 159 @21136 has 217 MA's), (Start: 176 @21157 has 45 MA's), (Start: 204 @21199 has 1 MA's), (237, 21244), (367, 21460), (395, 21505), (402, 21514), (448, 21604), (449, 21607), (495, 21700), (556, 21802), (581, 21871), (674, 22072), (675, 22075), (683, 22096), (730, 22192), (731, 22195), (733, 22201), (762, 22270), (767, 22288), (769, 22297), (777, 22327), (821, 22423), (831, 22456), (835, 22471), (879, 22612), (899, 22669), (945, 22780), (1000, 22933),

Gene: Dynamo_19 Start: 16394, Stop: 18130, Start Num: 137
Candidate Starts for Dynamo_19:
(Start: 121 @16370 has 6 MA's), (Start: 137 @16394 has 45 MA's), (Start: 186 @16454 has 1 MA's), (198, 16475), (201, 16478), (274, 16598), (290, 16637), (300, 16670), (317, 16694), (382, 16814), (405, 16853), (407, 16859), (447, 16943), (450, 16949), (457, 16961), (473, 16985), (485, 17012), (538, 17030), (555, 17069), (558, 17075), (567, 17099), (591, 17153), (594, 17165), (597, 17174), (621, 17234), (658, 17312), (670, 17351), (682, 17384), (704, 17450), (711, 17465), (715, 17474), (726, 17498), (740, 17528), (746, 17540), (822, 17642), (827, 17654), (828, 17657), (830, 17663), (832, 17672), (865, 17780), (892, 17864), (937, 17963), (983, 18071), (998, 18119),

Gene: DyoEdafos_19 Start: 16789, Stop: 18552, Start Num: 136
Candidate Starts for DyoEdafos_19:
(Start: 136 @16789 has 48 MA's), (246, 16930), (266, 16960), (295, 17038), (296, 17041), (412, 17239), (414, 17242), (419, 17254), (430, 17275), (484, 17383), (501, 17413), (562, 17521), (564, 17530), (572, 17554), (575, 17569), (588, 17590), (674, 17746), (695, 17809), (716, 17851), (724, 17860), (731, 17872), (764, 17950), (826, 18076), (829, 18085), (835, 18109), (878, 18211), (881, 18220), (888, 18238), (896, 18265), (919, 18322), (951, 18385), (963, 18421), (969, 18436), (977,

18466), (985, 18493), (989, 18505), (994, 18526),

Gene: ECartman_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for ECartman_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: EGUnicorn_19 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for EGUnicorn_19:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: EMoore_31 Start: 29511, Stop: 31136, Start Num: 183
Candidate Starts for EMoore_31:
(Start: 138 @29454 has 1 MA's), (Start: 183 @29511 has 17 MA's), (193, 29523), (215, 29556), (Start: 249 @29607 has 2 MA's), (296, 29724), (300, 29736), (341, 29811), (368, 29862), (373, 29871), (390, 29901), (447, 30009), (567, 30108), (578, 30138), (584, 30147), (596, 30180), (597, 30183), (621, 30243), (648, 30291), (674, 30363), (687, 30396), (688, 30399), (706, 30438), (724, 30477), (761, 30564), (762, 30567), (806, 30594), (826, 30645), (843, 30705), (858, 30750), (881, 30831), (893, 30867), (896, 30876), (901, 30885), (948, 30981), (983, 31077), (992, 31110), (998, 31125),

Gene: EMsquaredA_20 Start: 17566, Stop: 19272, Start Num: 157
Candidate Starts for EMsquaredA_20:
(Start: 137 @17542 has 45 MA's), (Start: 157 @17566 has 24 MA's), (238, 17671), (262, 17713), (302, 17788), (367, 17902), (445, 18049), (448, 18055), (475, 18100), (546, 18238), (577, 18313), (730, 18595), (737, 18616), (767, 18691), (809, 18778), (826, 18814), (835, 18847), (837, 18853), (868, 18919), (879, 18949), (943, 19105), (945, 19111), (951, 19129), (990, 19240),

Gene: EZMoney23_32 Start: 22145, Stop: 23917, Start Num: 156
Candidate Starts for EZMoney23_32:
(Start: 136 @22121 has 48 MA's), (Start: 156 @22145 has 559 MA's), (323, 22379), (325, 22382), (366, 22454), (367, 22457), (402, 22511), (421, 22550), (465, 22628), (508, 22715), (550, 22796), (556, 22799), (635, 22985), (669, 23048), (675, 23072), (689, 23111), (723, 23177), (731, 23192), (777, 23324), (821, 23402), (831, 23435), (835, 23450), (855, 23510), (866, 23549), (869, 23564), (881, 23597), (899, 23648), (943, 23753), (945, 23759),

Gene: Eagle_26 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Eagle_26:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036),

(821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: EagleEye_30 Start: 20938, Stop: 22728, Start Num: 156
Candidate Starts for EagleEye_30:
(Start: 136 @20914 has 48 MA's), (Start: 156 @20938 has 559 MA's), (269, 21091), (323, 21172), (325, 21175), (366, 21247), (367, 21250), (379, 21268), (391, 21289), (402, 21304), (406, 21310), (430, 21361), (465, 21421), (508, 21508), (550, 21589), (556, 21592), (635, 21778), (669, 21841), (675, 21865), (689, 21904), (731, 21985), (775, 22111), (803, 22174), (835, 22261), (866, 22360), (881, 22408), (899, 22459), (945, 22570), (968, 22624),

Gene: Eaglepride_28 Start: 19807, Stop: 21585, Start Num: 156
Candidate Starts for Eaglepride_28:
(Start: 136 @19783 has 48 MA's), (Start: 156 @19807 has 559 MA's), (Start: 204 @19864 has 1 MA's), (254, 19933), (Start: 303 @20035 has 11 MA's), (323, 20047), (325, 20050), (367, 20125), (376, 20140), (402, 20179), (465, 20296), (508, 20383), (546, 20458), (567, 20497), (615, 20623), (644, 20668), (674, 20737), (683, 20761), (687, 20773), (689, 20779), (767, 20953), (769, 20962), (775, 20986), (777, 20992), (808, 21040), (828, 21091), (833, 21109), (943, 21421), (945, 21427), (948, 21436), (992, 21562),

Gene: Eapen_27 Start: 19826, Stop: 21604, Start Num: 156
Candidate Starts for Eapen_27:
(Start: 136 @19802 has 48 MA's), (Start: 156 @19826 has 559 MA's), (Start: 204 @19883 has 1 MA's), (241, 19937), (254, 19952), (Start: 260 @19970 has 1 MA's), (Start: 303 @20054 has 11 MA's), (323, 20066), (325, 20069), (367, 20144), (376, 20159), (402, 20198), (465, 20315), (508, 20402), (550, 20483), (572, 20531), (581, 20555), (615, 20642), (644, 20687), (675, 20759), (683, 20780), (689, 20798), (731, 20879), (767, 20972), (769, 20981), (775, 21005), (777, 21011), (784, 21035), (821, 21089), (828, 21110), (842, 21161), (850, 21185), (867, 21239), (899, 21335), (943, 21440), (948, 21455), (987, 21563), (992, 21581),

Gene: Easley_20 Start: 17332, Stop: 18912, Start Num: 213
Candidate Starts for Easley_20:
(123, 17215), (Start: 213 @17332 has 53 MA's), (358, 17590), (369, 17611), (406, 17665), (423, 17704), (455, 17761), (469, 17782), (585, 17953), (592, 17971), (606, 17995), (631, 18016), (663, 18058), (691, 18139), (730, 18229), (768, 18331), (769, 18334), (784, 18388), (836, 18478), (948, 18757), (951, 18766), (965, 18796),

Gene: Easy2Say_26 Start: 21080, Stop: 22675, Start Num: 212
Candidate Starts for Easy2Say_26:
(Start: 147 @20996 has 120 MA's), (Start: 212 @21080 has 47 MA's), (Start: 260 @21158 has 1 MA's), (296, 21245), (301, 21260), (332, 21308), (349, 21347), (405, 21434), (420, 21467), (437, 21503), (454, 21533), (457, 21539), (538, 21608), (561, 21638), (565, 21650), (566, 21653), (591, 21710), (650, 21842), (651, 21848), (675, 21914), (677, 21920), (686, 21944), (704, 21992), (715, 22016), (721, 22025), (754, 22100), (810, 22151), (819, 22166), (867, 22328), (875, 22355), (885, 22385), (926, 22490), (971, 22568), (980, 22604), (983, 22613), (992, 22646), (998, 22661),

Gene: Ebert_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for Ebert_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Ebony_28 Start: 20798, Stop: 22597, Start Num: 156
Candidate Starts for Ebony_28:
(110, 20732), (Start: 136 @20774 has 48 MA's), (Start: 156 @20798 has 559 MA's), (Start: 196 @20840 has 2 MA's), (Start: 260 @20936 has 1 MA's), (269, 20951), (323, 21032), (325, 21035), (367, 21110), (376, 21125), (402, 21164), (406, 21170), (430, 21221), (465, 21281), (469, 21287), (508, 21368), (556, 21452), (603, 21578), (609, 21596), (622, 21623), (689, 21764), (723, 21830), (730, 21842), (731, 21845), (800, 22034), (813, 22061), (819, 22070), (824, 22091), (825, 22094), (831, 22115), (835, 22130), (842, 22154), (866, 22229), (869, 22244), (899, 22328), (943, 22433), (945, 22439), (968, 22493), (1000, 22592),

Gene: Echild_28 Start: 20292, Stop: 22064, Start Num: 156
Candidate Starts for Echild_28:
(Start: 136 @20268 has 48 MA's), (Start: 156 @20292 has 559 MA's), (238, 20391), (281, 20475), (323, 20526), (325, 20529), (366, 20601), (367, 20604), (402, 20658), (421, 20697), (465, 20775), (508, 20862), (550, 20943), (556, 20946), (675, 21219), (731, 21339), (775, 21465), (777, 21471), (808, 21519), (831, 21582), (835, 21597), (837, 21603), (855, 21657), (866, 21696), (869, 21711), (899, 21795), (945, 21906),

Gene: Ecliptus_24 Start: 18429, Stop: 20138, Start Num: 157
Candidate Starts for Ecliptus_24:
(Start: 157 @18429 has 24 MA's), (170, 18441), (172, 18444), (241, 18546), (261, 18582), (289, 18648), (379, 18792), (383, 18801), (395, 18819), (417, 18861), (421, 18867), (433, 18891), (445, 18915), (475, 18966), (477, 18972), (488, 19002), (523, 19044), (535, 19065), (537, 19071), (543, 19095), (567, 19146), (568, 19149), (577, 19179), (670, 19329), (683, 19365), (740, 19491), (767, 19557), (769, 19566), (774, 19587), (826, 19680), (832, 19701), (835, 19713), (837, 19719), (840, 19728), (841, 19731), (868, 19785), (879, 19815), (904, 19884), (943, 19971), (945, 19977), (967, 20028), (992, 20115), (1000, 20133),

Gene: Edison31_27 Start: 19822, Stop: 21600, Start Num: 156
Candidate Starts for Edison31_27:
(Start: 156 @19822 has 559 MA's), (Start: 204 @19879 has 1 MA's), (215, 19894), (238, 19927), (254, 19948), (Start: 303 @20050 has 11 MA's), (323, 20062), (325, 20065), (367, 20140), (376, 20155), (402, 20194), (465, 20311), (475, 20329), (508, 20398), (546, 20473), (567, 20512), (581, 20551), (615, 20638), (644, 20683), (674, 20752), (683, 20776), (687, 20788), (689, 20794), (731, 20875), (767, 20968), (769, 20977), (775, 21001), (777, 21007), (782, 21022), (808, 21055), (828, 21106), (833, 21124), (844, 21163), (875, 21262), (899, 21331), (911, 21355), (912, 21361), (943, 21436), (945, 21442), (948, 21451), (971, 21502), (992, 21577),

Gene: EdmundFerry_31 Start: 27556, Stop: 29175, Start Num: 185
Candidate Starts for EdmundFerry_31:
(Start: 185 @27556 has 10 MA's), (201, 27577), (247, 27640), (296, 27763), (300, 27775), (332, 27832), (373, 27910), (438, 28033), (567, 28147), (578, 28177), (596, 28219), (621, 28282), (648, 28330), (651, 28339), (670, 28390), (688, 28438), (761, 28603), (806, 28633), (842, 28741), (843, 28744), (858, 28789), (873, 28846), (875, 28852), (877, 28858), (893, 28906), (896, 28915), (899, 28921), (901, 28924), (919, 28975), (948, 29020), (974, 29089), (989, 29137), (992, 29149),

Gene: EdnaMode_17 Start: 14694, Stop: 16403, Start Num: 216
Candidate Starts for EdnaMode_17:
(Start: 216 @14694 has 31 MA's), (278, 14811), (304, 14883), (347, 14961), (417, 15084), (427, 15105), (469, 15174), (471, 15177), (491, 15234), (526, 15309), (547, 15363), (583, 15444), (613, 15504), (704, 15669), (714, 15687), (722, 15702), (731, 15726), (762, 15798), (764, 15801), (768, 15822), (875, 16056), (880, 16071), (894, 16113), (931, 16206), (933, 16209), (951, 16257), (965,

16287), (983, 16344),

Gene: EdogawaKiddo_28 Start: 21749, Stop: 23539, Start Num: 156
Candidate Starts for EdogawaKiddo_28:
(Start: 153 @21746 has 9 MA's), (Start: 156 @21749 has 559 MA's), (323, 21983), (325, 21986), (366, 22058), (367, 22061), (376, 22076), (402, 22115), (406, 22121), (465, 22232), (508, 22319), (550, 22400), (556, 22403), (635, 22589), (669, 22652), (675, 22676), (677, 22682), (689, 22715), (731, 22796), (775, 22922), (788, 22964), (821, 23024), (831, 23057), (835, 23072), (866, 23171), (867, 23174), (869, 23186), (899, 23270), (925, 23336), (943, 23375), (945, 23381), (964, 23426), (983, 23483), (984, 23486),

Gene: Edtherson_28 Start: 21883, Stop: 23685, Start Num: 159
Candidate Starts for Edtherson_28:
(Start: 159 @21883 has 217 MA's), (Start: 176 @21904 has 45 MA's), (Start: 204 @21946 has 1 MA's), (237, 21991), (367, 22207), (395, 22252), (402, 22261), (421, 22300), (448, 22351), (449, 22354), (495, 22447), (556, 22549), (581, 22618), (674, 22819), (675, 22822), (683, 22843), (730, 22939), (731, 22942), (733, 22948), (762, 23017), (767, 23035), (769, 23044), (777, 23074), (821, 23170), (831, 23203), (835, 23218), (879, 23359), (899, 23416), (945, 23527),

Gene: Efra2_23 Start: 16364, Stop: 18130, Start Num: 178
Candidate Starts for Efra2_23:
(Start: 178 @16364 has 139 MA's), (Start: 181 @16370 has 15 MA's), (198, 16394), (284, 16553), (295, 16586), (311, 16616), (329, 16649), (335, 16661), (371, 16751), (400, 16793), (436, 16865), (441, 16874), (465, 16913), (484, 16958), (491, 16979), (492, 16982), (536, 17054), (551, 17096), (557, 17102), (567, 17129), (647, 17267), (656, 17285), (670, 17327), (676, 17345), (688, 17375), (751, 17507), (779, 17597), (832, 17702), (841, 17732), (879, 17816), (896, 17867), (948, 17966), (983, 18062), (993, 18101), (994, 18104), (1004, 18122),

Gene: Egi03_33 Start: 26011, Stop: 27819, Start Num: 93
Candidate Starts for Egi03_33:
(93, 26011), (Start: 111 @26053 has 74 MA's), (Start: 131 @26089 has 1 MA's), (Start: 159 @26122 has 217 MA's), (287, 26332), (289, 26335), (323, 26365), (351, 26431), (367, 26455), (372, 26464), (393, 26497), (478, 26650), (495, 26689), (535, 26740), (539, 26752), (543, 26770), (548, 26782), (553, 26794), (562, 26809), (571, 26839), (572, 26842), (579, 26863), (636, 26935), (663, 26983), (699, 27094), (724, 27127), (740, 27166), (743, 27169), (769, 27241), (803, 27307), (809, 27319), (879, 27490), (880, 27493), (896, 27541), (909, 27568), (917, 27595), (943, 27649), (984, 27766), (990, 27787), (1000, 27814),

Gene: Eidsmoe_30 Start: 21776, Stop: 23569, Start Num: 153
Candidate Starts for Eidsmoe_30:
(Start: 153 @21776 has 9 MA's), (Start: 156 @21779 has 559 MA's), (323, 22013), (325, 22016), (366, 22088), (367, 22091), (376, 22106), (402, 22145), (406, 22151), (465, 22262), (508, 22349), (550, 22430), (556, 22433), (575, 22493), (635, 22619), (669, 22682), (675, 22706), (677, 22712), (689, 22745), (731, 22826), (775, 22952), (788, 22994), (790, 22997), (821, 23054), (831, 23087), (835, 23102), (866, 23201), (867, 23204), (869, 23216), (899, 23300), (925, 23366), (943, 23405), (945, 23411), (964, 23456), (983, 23513), (984, 23516),

Gene: Ein37_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Ein37_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571,

18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Eish_16 Start: 14946, Stop: 16655, Start Num: 142
Candidate Starts for Eish_16:
(Start: 142 @14946 has 207 MA's), (215, 15033), (Start: 249 @15078 has 2 MA's), (258, 15102), (299, 15207), (301, 15213), (309, 15231), (332, 15261), (390, 15366), (422, 15426), (425, 15435), (437, 15456), (450, 15480), (475, 15522), (535, 15555), (539, 15567), (558, 15606), (564, 15621), (566, 15627), (580, 15663), (589, 15678), (591, 15684), (600, 15714), (605, 15732), (611, 15744), (614, 15750), (648, 15810), (666, 15858), (670, 15870), (700, 15945), (704, 15954), (715, 15978), (730, 16008), (806, 16113), (812, 16125), (825, 16161), (847, 16239), (878, 16338), (885, 16359), (896, 16392), (911, 16422), (919, 16452), (924, 16461), (928, 16467), (944, 16482), (945, 16485), (953, 16506), (955, 16509), (973, 16551), (980, 16581), (992, 16623), (993, 16629),

Gene: Ejimix_37 Start: 28088, Stop: 30086, Start Num: 141
Candidate Starts for Ejimix_37:
(Start: 141 @28088 has 37 MA's), (Start: 212 @28178 has 47 MA's), (245, 28226), (258, 28256), (272, 28283), (317, 28385), (334, 28415), (354, 28466), (385, 28514), (407, 28550), (409, 28556), (420, 28577), (457, 28649), (464, 28658), (475, 28679), (566, 28787), (567, 28790), (572, 28805), (591, 28844), (605, 28892), (611, 28904), (614, 28910), (630, 28958), (635, 28967), (650, 28988), (658, 29006), (673, 29054), (713, 29156), (746, 29228), (766, 29273), (768, 29285), (795, 29420), (796, 29426), (797, 29450), (798, 29522), (804, 29549), (886, 29798),

Gene: Ekdilam_20 Start: 17331, Stop: 19106, Start Num: 171
Candidate Starts for Ekdilam_20:
(Start: 146 @17301 has 1 MA's), (Start: 171 @17331 has 28 MA's), (Start: 178 @17340 has 139 MA's), (198, 17370), (272, 17496), (277, 17511), (284, 17529), (295, 17562), (329, 17625), (335, 17637), (342, 17655), (371, 17727), (400, 17769), (441, 17850), (491, 17955), (492, 17958), (509, 17994), (536, 18030), (551, 18072), (557, 18078), (567, 18105), (656, 18261), (688, 18351), (702, 18378), (724, 18423), (751, 18483), (774, 18558), (782, 18582), (821, 18642), (832, 18678), (841, 18708), (879, 18792), (951, 18951), (993, 19077), (994, 19080), (1004, 19098),

Gene: ElTiger69_24 Start: 18976, Stop: 20775, Start Num: 156
Candidate Starts for ElTiger69_24:
(Start: 156 @18976 has 559 MA's), (325, 19213), (344, 19249), (367, 19288), (376, 19303), (400, 19339), (436, 19411), (445, 19426), (465, 19459), (469, 19465), (567, 19660), (575, 19690), (579, 19696), (615, 19786), (644, 19831), (674, 19900), (689, 19942), (694, 19960), (730, 20020), (731, 20023), (767, 20116), (820, 20257), (831, 20293), (942, 20608), (945, 20617), (992, 20752),

Gene: EleanorGeorge_16 Start: 14974, Stop: 16683, Start Num: 142
Candidate Starts for EleanorGeorge_16:
(Start: 142 @14974 has 207 MA's), (215, 15061), (Start: 249 @15106 has 2 MA's), (258, 15130), (299, 15235), (301, 15241), (309, 15259), (332, 15289), (390, 15394), (422, 15454), (434, 15475), (437, 15484), (447, 15502), (450, 15508), (558, 15634), (564, 15649), (566, 15655), (580, 15691), (582, 15694), (589, 15706), (591, 15712), (605, 15760), (611, 15772), (614, 15778), (648, 15838), (653, 15850), (666, 15886), (670, 15898), (700, 15973), (704, 15982), (713, 16000), (715, 16006), (730, 16036), (806, 16141), (810, 16150), (812, 16153), (825, 16189), (847, 16267), (878, 16366), (885, 16387), (896, 16420), (911, 16450), (919, 16480), (924, 16489), (928, 16495), (944, 16510), (945, 16513), (955, 16537), (968, 16567), (973, 16579), (980, 16609), (992, 16651),

Gene: Elephantoon_29 Start: 21187, Stop: 22977, Start Num: 156

Candidate Starts for Elephantoon_29:
(Start: 136 @21163 has 48 MA's), (Start: 156 @21187 has 559 MA's), (323, 21421), (325, 21424), (366, 21496), (367, 21499), (379, 21517), (402, 21553), (406, 21559), (421, 21592), (430, 21610), (465, 21670), (479, 21703), (508, 21757), (550, 21838), (556, 21841), (603, 21967), (635, 22027), (669, 22090), (687, 22147), (731, 22234), (775, 22360), (781, 22378), (788, 22402), (821, 22462), (831, 22495), (835, 22510), (866, 22609), (867, 22612), (869, 22624), (899, 22708), (925, 22774), (943, 22813), (945, 22819), (964, 22864), (983, 22921), (984, 22924),

Gene: Elinal_19 Start: 15418, Stop: 17112, Start Num: 151
Candidate Starts for Elinal_19:
(Start: 141 @15415 has 37 MA's), (Start: 151 @15418 has 50 MA's), (235, 15517), (259, 15559), (400, 15799), (445, 15886), (456, 15907), (462, 15916), (477, 15943), (495, 15988), (525, 16021), (534, 16036), (541, 16060), (553, 16093), (567, 16126), (571, 16138), (594, 16195), (620, 16225), (635, 16243), (652, 16273), (666, 16303), (688, 16366), (707, 16417), (731, 16453), (736, 16468), (744, 16486), (767, 16543), (769, 16552), (832, 16672), (835, 16684), (862, 16732), (878, 16783), (879, 16786), (885, 16804), (914, 16882), (925, 16909), (945, 16951), (994, 17098), (998, 17104),

Gene: Eliott_18 Start: 15729, Stop: 17429, Start Num: 141
Candidate Starts for Eliott_18:
(Start: 141 @15729 has 37 MA's), (Start: 151 @15732 has 50 MA's), (287, 15942), (367, 16065), (400, 16116), (445, 16203), (449, 16212), (462, 16233), (473, 16248), (477, 16260), (525, 16338), (530, 16350), (541, 16377), (553, 16410), (567, 16443), (571, 16455), (590, 16497), (666, 16620), (691, 16692), (731, 16770), (736, 16785), (744, 16803), (767, 16860), (821, 16953), (832, 16989), (835, 17001), (837, 17007), (841, 17019), (853, 17028), (878, 17100), (879, 17103), (881, 17109), (885, 17121), (909, 17181), (925, 17226), (931, 17235), (945, 17268), (973, 17334),

Gene: Elite2014_23 Start: 18953, Stop: 20632, Start Num: 147
Candidate Starts for Elite2014_23:
(Start: 147 @18953 has 120 MA's), (Start: 212 @19037 has 47 MA's), (Start: 260 @19115 has 1 MA's), (296, 19202), (301, 19217), (332, 19265), (349, 19304), (405, 19391), (420, 19424), (437, 19460), (454, 19490), (457, 19496), (538, 19565), (561, 19595), (565, 19607), (566, 19610), (591, 19667), (650, 19799), (651, 19805), (675, 19871), (677, 19877), (686, 19901), (704, 19949), (715, 19973), (721, 19982), (754, 20057), (810, 20108), (819, 20123), (867, 20285), (875, 20312), (885, 20342), (926, 20447), (971, 20525), (980, 20561), (983, 20570), (992, 20603), (998, 20618),

Gene: Ellie_20 Start: 17336, Stop: 19090, Start Num: 178
Candidate Starts for Ellie_20:
(Start: 146 @17297 has 1 MA's), (Start: 171 @17327 has 28 MA's), (Start: 176 @17333 has 45 MA's), (Start: 178 @17336 has 139 MA's), (Start: 195 @17348 has 1 MA's), (198, 17354), (272, 17480), (277, 17495), (295, 17546), (311, 17576), (329, 17609), (371, 17711), (395, 17747), (400, 17753), (441, 17834), (509, 17978), (512, 17981), (527, 17996), (534, 18008), (536, 18014), (541, 18032), (551, 18056), (557, 18062), (567, 18089), (656, 18245), (702, 18362), (721, 18395), (724, 18407), (731, 18419), (751, 18467), (831, 18659), (841, 18692), (853, 18701), (875, 18764), (879, 18776), (896, 18827), (899, 18833), (948, 18926), (971, 18977), (983, 19022), (993, 19061), (994, 19064), (1004, 19082),

Gene: Ellson_19 Start: 17381, Stop: 19144, Start Num: 136
Candidate Starts for Ellson_19:
(Start: 136 @17381 has 48 MA's), (Start: 161 @17408 has 14 MA's), (207, 17471), (241, 17519), (246, 17525), (269, 17561), (296, 17636), (346, 17723), (414, 17837), (419, 17849), (478, 17960), (556, 18104), (562, 18116), (567, 18134), (572, 18149), (674, 18338), (695, 18401), (716, 18443), (724, 18452), (731, 18464), (762, 18539), (782, 18608), (785, 18620), (826, 18668), (858, 18734), (881, 18812), (896, 18857), (915, 18902), (919, 18914), (951, 18977), (963, 19013), (969, 19028), (977,

19058), (979, 19064), (983, 19076), (985, 19085), (989, 19097),

Gene: Elph10_25 Start: 19216, Stop: 20895, Start Num: 147
Candidate Starts for Elph10_25:
(Start: 147 @19216 has 120 MA's), (Start: 212 @19300 has 47 MA's), (Start: 260 @19378 has 1 MA's), (296, 19465), (301, 19480), (332, 19528), (349, 19567), (405, 19654), (420, 19687), (437, 19723), (454, 19753), (457, 19759), (538, 19828), (561, 19858), (565, 19870), (566, 19873), (591, 19930), (650, 20062), (651, 20068), (675, 20134), (677, 20140), (686, 20164), (704, 20212), (715, 20236), (721, 20245), (754, 20320), (810, 20371), (819, 20386), (867, 20548), (875, 20575), (885, 20605), (926, 20710), (971, 20788), (980, 20824), (983, 20833), (992, 20866), (998, 20881),

Gene: Emalyn_17 Start: 15033, Stop: 16727, Start Num: 151
Candidate Starts for Emalyn_17:
(Start: 141 @15030 has 37 MA's), (Start: 151 @15033 has 50 MA's), (235, 15132), (241, 15144), (287, 15240), (344, 15324), (400, 15414), (430, 15474), (477, 15558), (495, 15603), (525, 15636), (530, 15648), (540, 15672), (567, 15741), (571, 15753), (666, 15918), (691, 15990), (731, 16068), (736, 16083), (744, 16101), (767, 16158), (835, 16299), (837, 16305), (841, 16317), (853, 16326), (878, 16398), (879, 16401), (881, 16407), (885, 16419), (925, 16524), (931, 16533), (945, 16566), (998, 16719),

Gene: Emerson_23 Start: 17148, Stop: 18914, Start Num: 178
Candidate Starts for Emerson_23:
(Start: 178 @17148 has 139 MA's), (198, 17178), (284, 17337), (295, 17370), (311, 17400), (329, 17433), (335, 17445), (371, 17535), (400, 17577), (436, 17649), (441, 17658), (465, 17697), (484, 17742), (491, 17763), (492, 17766), (527, 17820), (536, 17838), (551, 17880), (557, 17886), (567, 17913), (647, 18051), (656, 18069), (670, 18111), (676, 18129), (688, 18159), (702, 18186), (751, 18291), (821, 18450), (832, 18486), (841, 18516), (853, 18525), (879, 18600), (896, 18651), (983, 18846), (993, 18885), (994, 18888), (1004, 18906),

Gene: EmiMonkey_16 Start: 14759, Stop: 16468, Start Num: 142
Candidate Starts for EmiMonkey_16:
(Start: 142 @14759 has 207 MA's), (215, 14846), (Start: 249 @14891 has 2 MA's), (258, 14915), (299, 15020), (301, 15026), (309, 15044), (332, 15074), (390, 15179), (422, 15239), (432, 15257), (434, 15260), (437, 15269), (450, 15293), (558, 15419), (564, 15434), (566, 15440), (580, 15476), (582, 15479), (589, 15491), (591, 15497), (605, 15545), (611, 15557), (614, 15563), (648, 15623), (653, 15635), (666, 15671), (670, 15683), (700, 15758), (704, 15767), (713, 15785), (715, 15791), (730, 15821), (806, 15926), (812, 15938), (825, 15974), (847, 16052), (885, 16172), (896, 16205), (911, 16235), (913, 16247), (919, 16265), (922, 16271), (924, 16274), (928, 16280), (944, 16295), (945, 16298), (953, 16319), (955, 16322), (973, 16364), (980, 16394), (992, 16436), (993, 16442),

Gene: Emianna_41 Start: 30825, Stop: 32438, Start Num: 202
Candidate Starts for Emianna_41:
(Start: 202 @30825 has 36 MA's), (Start: 231 @30861 has 1 MA's), (242, 30879), (277, 30939), (406, 31179), (410, 31191), (417, 31206), (458, 31272), (469, 31287), (481, 31311), (482, 31314), (519, 31398), (535, 31428), (536, 31431), (562, 31488), (576, 31536), (577, 31539), (590, 31560), (663, 31665), (686, 31710), (704, 31752), (773, 31926), (783, 31956), (785, 31962), (860, 32070), (861, 32073), (885, 32148), (980, 32367), (998, 32424),

Gene: Emma_16 Start: 14857, Stop: 16566, Start Num: 142
Candidate Starts for Emma_16:
(Start: 142 @14857 has 207 MA's), (215, 14944), (Start: 249 @14989 has 2 MA's), (258, 15013), (299, 15118), (301, 15124), (309, 15142), (332, 15172), (390, 15277), (422, 15337), (434, 15358), (437, 15367), (450, 15391), (558, 15517), (564, 15532), (566, 15538), (580, 15574), (582, 15577), (589,

15589), (591, 15595), (605, 15643), (611, 15655), (614, 15661), (648, 15721), (653, 15733), (666, 15769), (670, 15781), (700, 15856), (704, 15865), (713, 15883), (715, 15889), (730, 15919), (806, 16024), (810, 16033), (812, 16036), (825, 16072), (847, 16150), (878, 16249), (885, 16270), (896, 16303), (911, 16333), (919, 16363), (924, 16372), (928, 16378), (944, 16393), (945, 16396), (955, 16420), (968, 16450), (973, 16462), (980, 16492), (992, 16534),

Gene: Emmaloid_18 Start: 14596, Stop: 16305, Start Num: 142
Candidate Starts for Emmaloid_18:
(Start: 142 @14596 has 207 MA's), (215, 14683), (Start: 249 @14728 has 2 MA's), (258, 14752), (299, 14857), (301, 14863), (309, 14881), (332, 14911), (390, 15016), (422, 15076), (432, 15094), (434, 15097), (437, 15106), (450, 15130), (558, 15256), (564, 15271), (566, 15277), (580, 15313), (582, 15316), (589, 15328), (591, 15334), (605, 15382), (611, 15394), (614, 15400), (648, 15460), (653, 15472), (666, 15508), (670, 15520), (700, 15595), (704, 15604), (713, 15622), (715, 15628), (730, 15658), (806, 15763), (812, 15775), (825, 15811), (847, 15889), (885, 16009), (896, 16042), (911, 16072), (913, 16084), (919, 16102), (922, 16108), (924, 16111), (928, 16117), (944, 16132), (945, 16135), (953, 16156), (955, 16159), (973, 16201), (980, 16231), (992, 16273), (993, 16279),

Gene: Emmina_25 Start: 19661, Stop: 21256, Start Num: 212
Candidate Starts for Emmina_25:
(Start: 147 @19577 has 120 MA's), (Start: 212 @19661 has 47 MA's), (Start: 260 @19739 has 1 MA's), (296, 19826), (301, 19841), (332, 19889), (349, 19928), (405, 20015), (420, 20048), (437, 20084), (454, 20114), (457, 20120), (538, 20189), (561, 20219), (565, 20231), (566, 20234), (591, 20291), (650, 20423), (651, 20429), (675, 20495), (677, 20501), (686, 20525), (704, 20573), (715, 20597), (721, 20606), (754, 20681), (810, 20732), (819, 20747), (867, 20909), (875, 20936), (885, 20966), (926, 21071), (971, 21149), (980, 21185), (983, 21194), (992, 21227), (998, 21242),

Gene: Empress_17 Start: 16157, Stop: 17866, Start Num: 142
Candidate Starts for Empress_17:
(Start: 142 @16157 has 207 MA's), (215, 16244), (Start: 249 @16289 has 2 MA's), (258, 16313), (299, 16418), (301, 16424), (309, 16442), (332, 16472), (390, 16577), (422, 16637), (434, 16658), (437, 16667), (450, 16691), (558, 16817), (564, 16832), (566, 16838), (580, 16874), (582, 16877), (589, 16889), (591, 16895), (605, 16943), (611, 16955), (614, 16961), (648, 17021), (653, 17033), (666, 17069), (670, 17081), (700, 17156), (704, 17165), (713, 17183), (715, 17189), (730, 17219), (806, 17324), (810, 17333), (812, 17336), (825, 17372), (847, 17450), (878, 17549), (885, 17570), (896, 17603), (911, 17633), (919, 17663), (924, 17672), (928, 17678), (944, 17693), (945, 17696), (953, 17717), (955, 17720), (973, 17762), (980, 17792), (992, 17834),

Gene: EmyBug_30 Start: 21779, Stop: 23569, Start Num: 156
Candidate Starts for EmyBug_30:
(Start: 153 @21776 has 9 MA's), (Start: 156 @21779 has 559 MA's), (323, 22013), (325, 22016), (366, 22088), (367, 22091), (376, 22106), (402, 22145), (406, 22151), (465, 22262), (508, 22349), (550, 22430), (556, 22433), (575, 22493), (635, 22619), (669, 22682), (675, 22706), (677, 22712), (689, 22745), (731, 22826), (775, 22952), (788, 22994), (790, 22997), (821, 23054), (831, 23087), (835, 23102), (866, 23201), (867, 23204), (869, 23216), (899, 23300), (925, 23366), (943, 23405), (945, 23411), (964, 23456), (983, 23513), (984, 23516),

Gene: EnalisNailo_20 Start: 17715, Stop: 19421, Start Num: 157
Candidate Starts for EnalisNailo_20:
(Start: 137 @17691 has 45 MA's), (Start: 157 @17715 has 24 MA's), (197, 17763), (238, 17820), (262, 17862), (367, 18051), (445, 18198), (448, 18204), (475, 18249), (546, 18387), (577, 18462), (730, 18744), (737, 18765), (767, 18840), (809, 18927), (826, 18963), (835, 18996), (837, 19002), (868, 19068), (879, 19098), (943, 19254), (945, 19260), (951, 19278), (990, 19389),

Gene: Enby_17 Start: 14628, Stop: 16337, Start Num: 142
Candidate Starts for Enby_17:
(Start: 142 @14628 has 207 MA's), (215, 14715), (Start: 249 @14760 has 2 MA's), (258, 14784), (282, 14841), (299, 14889), (301, 14895), (309, 14913), (332, 14943), (390, 15048), (419, 15102), (422, 15108), (425, 15117), (434, 15129), (437, 15138), (450, 15162), (473, 15198), (475, 15204), (482, 15216), (535, 15237), (536, 15240), (539, 15249), (544, 15264), (546, 15270), (558, 15288), (564, 15303), (566, 15309), (572, 15327), (573, 15330), (580, 15345), (589, 15360), (591, 15366), (600, 15396), (605, 15414), (611, 15426), (614, 15432), (648, 15492), (653, 15504), (666, 15540), (670, 15552), (677, 15573), (700, 15627), (704, 15636), (715, 15660), (730, 15690), (806, 15795), (812, 15807), (825, 15843), (836, 15882), (847, 15921), (878, 16020), (885, 16041), (896, 16074), (911, 16104), (919, 16134), (924, 16143), (928, 16149), (944, 16164), (945, 16167), (953, 16188), (955, 16191), (973, 16233), (980, 16263), (992, 16305), (993, 16311),

Gene: Enceladus_18 Start: 16740, Stop: 18509, Start Num: 136
Candidate Starts for Enceladus_18:
(Start: 103 @16677 has 1 MA's), (Start: 111 @16698 has 74 MA's), (Start: 119 @16713 has 3 MA's), (Start: 136 @16740 has 48 MA's), (207, 16833), (241, 16881), (246, 16887), (265, 16914), (269, 16923), (295, 16995), (298, 17004), (318, 17028), (327, 17043), (342, 17073), (414, 17199), (417, 17208), (427, 17229), (435, 17244), (475, 17313), (488, 17349), (501, 17370), (542, 17439), (562, 17478), (636, 17616), (644, 17628), (674, 17703), (676, 17709), (683, 17727), (695, 17766), (712, 17799), (716, 17808), (724, 17817), (730, 17826), (774, 17949), (785, 17985), (826, 18033), (830, 18045), (858, 18099), (888, 18195), (893, 18213), (895, 18219), (896, 18222), (912, 18255), (919, 18279), (951, 18342), (965, 18384), (977, 18423), (983, 18441), (989, 18462), (994, 18483),

Gene: Engineer_49 Start: 29557, Stop: 31248, Start Num: 165
Candidate Starts for Engineer_49:
(Start: 165 @29557 has 14 MA's), (207, 29617), (229, 29650), (Start: 249 @29680 has 2 MA's), (250, 29683), (317, 29842), (322, 29851), (392, 29980), (418, 30028), (591, 30241), (592, 30247), (600, 30271), (661, 30400), (666, 30421), (677, 30454), (754, 30652), (844, 30805), (875, 30904), (879, 30916), (882, 30925), (913, 31009), (981, 31156), (991, 31192),

Gene: EniyanLRS_37 Start: 25002, Stop: 27386, Start Num: 20
Candidate Starts for EniyanLRS_37:
(Start: 20 @25002 has 5 MA's), (31, 25119), (35, 25140), (36, 25143), (39, 25173), (41, 25179), (44, 25188), (59, 25278), (63, 25314), (65, 25332), (68, 25359), (69, 25371), (71, 25380), (79, 25443), (88, 25479), (102, 25515), (Start: 103 @25518 has 1 MA's), (105, 25524), (Start: 147 @25596 has 120 MA's), (173, 25626), (221, 25695), (223, 25698), (265, 25785), (273, 25803), (274, 25806), (295, 25866), (323, 25905), (343, 25947), (346, 25956), (348, 25962), (359, 25977), (366, 25992), (395, 26040), (445, 26136), (471, 26178), (473, 26181), (562, 26358), (567, 26376), (572, 26391), (575, 26406), (588, 26427), (600, 26460), (610, 26469), (635, 26499), (657, 26538), (670, 26580), (674, 26592), (675, 26595), (695, 26655), (730, 26715), (746, 26760), (764, 26796), (782, 26862), (824, 26916), (826, 26922), (858, 26988), (915, 27159), (929, 27183), (977, 27303), (984, 27324), (986, 27333), (998, 27369),

Gene: Enkosi_19 Start: 16697, Stop: 18463, Start Num: 178
Candidate Starts for Enkosi_19:
(Start: 178 @16697 has 139 MA's), (Start: 181 @16703 has 15 MA's), (198, 16727), (272, 16853), (277, 16868), (284, 16886), (311, 16949), (371, 17084), (376, 17090), (436, 17198), (441, 17207), (491, 17312), (534, 17381), (536, 17387), (547, 17423), (557, 17435), (579, 17498), (647, 17600), (656, 17618), (670, 17660), (671, 17663), (721, 17768), (751, 17840), (784, 17948), (786, 17954), (821, 17999), (837, 18053), (853, 18074), (879, 18149), (896, 18200), (948, 18299), (954, 18314), (971, 18350), (983, 18395), (993, 18434), (994, 18437), (1004, 18455),

Gene: Ennea_47 Start: 31470, Stop: 33092, Start Num: 202
Candidate Starts for Ennea_47:
(Start: 202 @31470 has 36 MA's), (277, 31587), (406, 31827), (410, 31839), (417, 31854), (458, 31920), (469, 31935), (519, 32046), (535, 32076), (536, 32079), (562, 32136), (590, 32208), (663, 32313), (704, 32400), (728, 32448), (773, 32574), (774, 32577), (785, 32610), (833, 32667), (885, 32796), (899, 32835), (952, 32940), (976, 33003), (980, 33015), (984, 33027), (986, 33036), (998, 33072),

Gene: EnzoK_27 Start: 21329, Stop: 23110, Start Num: 176
Candidate Starts for EnzoK_27:
(Start: 159 @21308 has 217 MA's), (Start: 176 @21329 has 45 MA's), (Start: 204 @21371 has 1 MA's), (237, 21416), (367, 21632), (395, 21677), (402, 21686), (448, 21776), (449, 21779), (556, 21974), (581, 22043), (670, 22232), (674, 22244), (675, 22247), (683, 22268), (730, 22364), (731, 22367), (733, 22373), (762, 22442), (767, 22460), (769, 22469), (777, 22499), (821, 22595), (831, 22628), (835, 22643), (879, 22784), (899, 22841), (945, 22952), (1000, 23105),

Gene: EpicPhail_29 Start: 20379, Stop: 22175, Start Num: 156
Candidate Starts for EpicPhail_29:
(Start: 156 @20379 has 559 MA's), (Start: 204 @20436 has 1 MA's), (215, 20451), (238, 20484), (254, 20505), (259, 20520), (Start: 303 @20607 has 11 MA's), (323, 20619), (325, 20622), (367, 20697), (376, 20712), (400, 20748), (508, 20955), (567, 21069), (581, 21108), (615, 21195), (674, 21309), (683, 21333), (689, 21351), (731, 21432), (762, 21507), (767, 21525), (775, 21558), (777, 21564), (790, 21603), (820, 21657), (821, 21660), (828, 21681), (844, 21738), (899, 21906), (943, 22011), (945, 22017), (992, 22152),

Gene: Eponine_24 Start: 18523, Stop: 20310, Start Num: 178
Candidate Starts for Eponine_24:
(Start: 146 @18484 has 1 MA's), (Start: 171 @18514 has 28 MA's), (Start: 176 @18520 has 45 MA's), (Start: 178 @18523 has 139 MA's), (Start: 196 @18538 has 2 MA's), (228, 18580), (256, 18628), (272, 18667), (277, 18682), (284, 18700), (295, 18733), (311, 18763), (335, 18808), (342, 18826), (371, 18898), (376, 18904), (395, 18934), (397, 18937), (430, 19000), (436, 19012), (498, 19147), (509, 19165), (534, 19195), (536, 19201), (541, 19219), (557, 19249), (571, 19288), (647, 19414), (671, 19477), (751, 19678), (769, 19732), (782, 19777), (808, 19822), (821, 19846), (831, 19879), (841, 19912), (875, 19984), (879, 19996), (896, 20047), (899, 20053), (951, 20155), (993, 20281), (1004, 20302),

Gene: Epsocamisio_30 Start: 19093, Stop: 20880, Start Num: 156
Candidate Starts for Epsocamisio_30:
(110, 19027), (Start: 136 @19069 has 48 MA's), (Start: 156 @19093 has 559 MA's), (Start: 260 @19231 has 1 MA's), (285, 19288), (325, 19330), (344, 19366), (367, 19405), (409, 19474), (421, 19498), (449, 19552), (536, 19702), (556, 19747), (567, 19777), (579, 19813), (600, 19864), (613, 19900), (644, 19948), (671, 20008), (730, 20137), (762, 20215), (835, 20416), (837, 20422), (867, 20518), (929, 20683), (971, 20782),

Gene: Equemioh13_30 Start: 20656, Stop: 22428, Start Num: 156
Candidate Starts for Equemioh13_30:
(Start: 136 @20632 has 48 MA's), (Start: 156 @20656 has 559 MA's), (259, 20791), (323, 20890), (325, 20893), (366, 20965), (367, 20968), (402, 21022), (406, 21028), (436, 21091), (465, 21139), (479, 21172), (508, 21226), (550, 21307), (556, 21310), (567, 21340), (635, 21496), (675, 21583), (731, 21703), (774, 21826), (775, 21829), (777, 21835), (808, 21883), (831, 21946), (835, 21961), (837, 21967), (855, 22021), (866, 22060), (869, 22075), (881, 22108), (896, 22153), (943, 22264), (945, 22270), (968, 22324),

Gene: Eradicator_16 Start: 14770, Stop: 16479, Start Num: 142
Candidate Starts for Eradicator_16:
(Start: 142 @14770 has 207 MA's), (215, 14857), (Start: 249 @14902 has 2 MA's), (258, 14926), (282, 14983), (299, 15031), (301, 15037), (309, 15055), (332, 15085), (390, 15190), (419, 15244), (422, 15250), (425, 15259), (437, 15280), (450, 15304), (473, 15340), (475, 15346), (535, 15379), (536, 15382), (539, 15391), (544, 15406), (546, 15412), (558, 15430), (564, 15445), (566, 15451), (572, 15469), (573, 15472), (580, 15487), (589, 15502), (591, 15508), (605, 15556), (611, 15568), (614, 15574), (648, 15634), (653, 15646), (666, 15682), (670, 15694), (700, 15769), (704, 15778), (713, 15796), (715, 15802), (730, 15832), (806, 15937), (812, 15949), (825, 15985), (847, 16063), (885, 16183), (896, 16216), (911, 16246), (913, 16258), (919, 16276), (922, 16282), (924, 16285), (928, 16291), (944, 16306), (945, 16309), (953, 16330), (955, 16333), (973, 16375), (980, 16405), (992, 16447), (993, 16453),

Gene: EricB_31 Start: 19969, Stop: 21741, Start Num: 156
Candidate Starts for EricB_31:
(110, 19903), (Start: 136 @19945 has 48 MA's), (Start: 156 @19969 has 559 MA's), (286, 20167), (325, 20206), (366, 20278), (367, 20281), (379, 20299), (402, 20335), (406, 20341), (465, 20452), (469, 20458), (484, 20497), (508, 20539), (536, 20578), (550, 20620), (556, 20623), (575, 20683), (684, 20920), (689, 20935), (731, 21016), (777, 21148), (835, 21274), (852, 21325), (855, 21334), (866, 21373), (867, 21376), (869, 21388), (899, 21472), (943, 21577), (945, 21583), (992, 21718),

Gene: Erik_23 Start: 16348, Stop: 17973, Start Num: 182
Candidate Starts for Erik_23:
(Start: 182 @16348 has 32 MA's), (232, 16417), (256, 16453), (286, 16525), (367, 16639), (439, 16768), (465, 16810), (475, 16828), (478, 16837), (486, 16861), (495, 16879), (522, 16903), (525, 16909), (534, 16924), (535, 16927), (556, 16975), (669, 17176), (675, 17200), (730, 17314), (762, 17392), (772, 17431), (775, 17443), (808, 17473), (835, 17551), (894, 17698), (938, 17797), (943, 17812), (998, 17965),

Gene: Eris_26 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Eris_26:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Eros_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Eros_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Espica_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Espica_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525,

16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Espresso_27 Start: 21202, Stop: 23004, Start Num: 159
Candidate Starts for Espresso_27:
(Start: 159 @21202 has 217 MA's), (Start: 176 @21223 has 45 MA's), (Start: 204 @21265 has 1 MA's), (237, 21310), (367, 21526), (395, 21571), (402, 21580), (421, 21619), (448, 21670), (449, 21673), (556, 21868), (581, 21937), (674, 22138), (675, 22141), (683, 22162), (730, 22258), (731, 22261), (733, 22267), (762, 22336), (767, 22354), (769, 22363), (777, 22393), (821, 22489), (831, 22522), (835, 22537), (879, 22678), (899, 22735), (945, 22846),

Gene: Estave1_16 Start: 14924, Stop: 16633, Start Num: 142
Candidate Starts for Estave1_16:
(Start: 142 @14924 has 207 MA's), (215, 15011), (Start: 249 @15056 has 2 MA's), (258, 15080), (282, 15137), (299, 15185), (301, 15191), (309, 15209), (320, 15218), (332, 15239), (390, 15344), (419, 15398), (422, 15404), (425, 15413), (437, 15434), (450, 15458), (473, 15494), (475, 15500), (482, 15512), (535, 15533), (546, 15566), (558, 15584), (564, 15599), (566, 15605), (573, 15626), (580, 15641), (589, 15656), (591, 15662), (593, 15671), (605, 15710), (611, 15722), (614, 15728), (648, 15788), (666, 15836), (670, 15848), (677, 15869), (700, 15923), (704, 15932), (715, 15956), (806, 16091), (812, 16103), (825, 16139), (847, 16217), (878, 16316), (885, 16337), (896, 16370), (911, 16400), (919, 16430), (924, 16439), (928, 16445), (944, 16460), (945, 16463), (953, 16484), (955, 16487), (973, 16529), (992, 16601),

Gene: Estes_33 Start: 23088, Stop: 24827, Start Num: 161
Candidate Starts for Estes_33:
(Start: 119 @23046 has 3 MA's), (Start: 128 @23061 has 2 MA's), (Start: 161 @23088 has 14 MA's), (Start: 219 @23166 has 2 MA's), (223, 23172), (237, 23190), (323, 23352), (327, 23361), (338, 23376), (382, 23463), (389, 23475), (395, 23484), (417, 23526), (445, 23580), (451, 23592), (471, 23622), (473, 23625), (484, 23658), (552, 23787), (562, 23802), (567, 23820), (669, 24012), (670, 24021), (674, 24033), (676, 24039), (716, 24138), (724, 24147), (730, 24156), (741, 24186), (758, 24225), (782, 24303), (808, 24318), (824, 24357), (826, 24363), (969, 24717), (977, 24744), (979, 24750), (992, 24795),

Gene: Et2Brutus_27 Start: 20758, Stop: 22557, Start Num: 156
Candidate Starts for Et2Brutus_27:
(110, 20692), (Start: 136 @20734 has 48 MA's), (Start: 156 @20758 has 559 MA's), (Start: 196 @20800 has 2 MA's), (Start: 260 @20896 has 1 MA's), (269, 20911), (323, 20992), (325, 20995), (367, 21070), (376, 21085), (402, 21124), (406, 21130), (430, 21181), (465, 21241), (469, 21247), (508, 21328), (556, 21412), (603, 21538), (609, 21556), (622, 21583), (689, 21724), (723, 21790), (730, 21802), (731, 21805), (800, 21994), (813, 22021), (819, 22030), (824, 22051), (825, 22054), (831, 22075), (835, 22090), (842, 22114), (866, 22189), (869, 22204), (899, 22288), (943, 22393), (945, 22399), (968, 22453), (1000, 22552),

Gene: Etoile_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Etoile_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Eudoria_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Eudoria_19:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: Euphoria_27 Start: 21090, Stop: 22892, Start Num: 159
Candidate Starts for Euphoria_27:
(Start: 159 @21090 has 217 MA's), (Start: 176 @21111 has 45 MA's), (Start: 204 @21153 has 1 MA's), (237, 21198), (367, 21414), (395, 21459), (402, 21468), (448, 21558), (449, 21561), (556, 21756), (581, 21825), (674, 22026), (675, 22029), (683, 22050), (730, 22146), (731, 22149), (733, 22155), (762, 22224), (767, 22242), (769, 22251), (777, 22281), (821, 22377), (831, 22410), (835, 22425), (879, 22566), (899, 22623), (945, 22734), (1000, 22887),

Gene: Eureka_24 Start: 19731, Stop: 21410, Start Num: 147
Candidate Starts for Eureka_24:
(Start: 147 @19731 has 120 MA's), (Start: 212 @19815 has 47 MA's), (Start: 260 @19893 has 1 MA's), (296, 19980), (301, 19995), (332, 20043), (349, 20082), (405, 20169), (420, 20202), (437, 20238), (454, 20268), (457, 20274), (538, 20343), (561, 20373), (565, 20385), (566, 20388), (591, 20445), (650, 20577), (651, 20583), (675, 20649), (677, 20655), (686, 20679), (704, 20727), (715, 20751), (721, 20760), (754, 20835), (810, 20886), (819, 20901), (867, 21063), (875, 21090), (885, 21120), (926, 21225), (971, 21303), (980, 21339), (983, 21348), (992, 21381), (998, 21396),

Gene: Eurydice_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Eurydice_27:
(81, 19674), (96, 19719), (Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Evamon_31 Start: 25861, Stop: 27627, Start Num: 111
Candidate Starts for Evamon_31:
(93, 25819), (Start: 111 @25861 has 74 MA's), (Start: 131 @25897 has 1 MA's), (Start: 159 @25930 has 217 MA's), (266, 26086), (287, 26140), (289, 26143), (323, 26173), (351, 26239), (367, 26263), (372, 26272), (393, 26305), (478, 26458), (495, 26497), (535, 26548), (539, 26560), (543, 26578), (548, 26590), (553, 26602), (562, 26617), (571, 26647), (572, 26650), (579, 26671), (636, 26743), (663, 26791), (699, 26902), (724, 26935), (740, 26974), (743, 26977), (769, 27049), (803, 27115), (809, 27127), (879, 27298), (880, 27301), (896, 27349), (909, 27376), (917, 27403), (943, 27457), (984, 27574), (990, 27595), (1000, 27622),

Gene: Evanesce_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Evanesce_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690,

18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Eviarto_19 Start: 17764, Stop: 19362, Start Num: 213
Candidate Starts for Eviarto_19:
(Start: 213 @17764 has 53 MA's), (358, 18022), (367, 18040), (369, 18043), (406, 18097), (443, 18172), (479, 18241), (483, 18250), (488, 18262), (509, 18313), (521, 18340), (526, 18349), (528, 18352), (585, 18385), (613, 18442), (663, 18508), (700, 18619), (714, 18643), (730, 18679), (768, 18781), (784, 18838), (836, 18928), (933, 19168), (965, 19246),

Gene: EvilGenius_30 Start: 20609, Stop: 22381, Start Num: 156
Candidate Starts for EvilGenius_30:
(Start: 136 @20585 has 48 MA's), (Start: 156 @20609 has 559 MA's), (238, 20708), (281, 20792), (323, 20843), (325, 20846), (366, 20918), (367, 20921), (402, 20975), (421, 21014), (465, 21092), (508, 21179), (550, 21260), (556, 21263), (635, 21449), (675, 21536), (723, 21641), (731, 21656), (775, 21782), (777, 21788), (808, 21836), (813, 21845), (821, 21866), (831, 21899), (835, 21914), (837, 21920), (855, 21974), (866, 22013), (869, 22028), (899, 22112), (945, 22223),

Gene: Ewald_22 Start: 18458, Stop: 20104, Start Num: 225
Candidate Starts for Ewald_22:
(97, 18257), (124, 18317), (Start: 194 @18410 has 44 MA's), (Start: 219 @18446 has 2 MA's), (Start: 225 @18458 has 3 MA's), (234, 18470), (277, 18572), (280, 18578), (297, 18626), (309, 18656), (345, 18722), (347, 18728), (411, 18839), (415, 18848), (428, 18875), (434, 18884), (444, 18905), (565, 19076), (566, 19079), (592, 19145), (597, 19160), (616, 19211), (626, 19244), (636, 19253), (661, 19295), (666, 19316), (683, 19364), (687, 19376), (695, 19403), (726, 19472), (759, 19541), (806, 19574), (828, 19631), (833, 19646), (843, 19682), (864, 19751), (893, 19838), (899, 19853), (920, 19910), (926, 19919), (953, 19958), (969, 19997), (972, 20003),

Gene: Expelliarmus_23 Start: 18620, Stop: 20410, Start Num: 156
Candidate Starts for Expelliarmus_23:
(Start: 136 @18596 has 48 MA's), (Start: 156 @18620 has 559 MA's), (235, 18713), (Start: 260 @18758 has 1 MA's), (325, 18857), (344, 18893), (367, 18932), (376, 18947), (400, 18983), (465, 19103), (469, 19109), (536, 19229), (590, 19358), (615, 19430), (674, 19544), (767, 19760), (775, 19793), (821, 19895), (831, 19928), (835, 19943), (844, 19973), (942, 20243), (945, 20252), (948, 20261), (989, 20375),

Gene: ExplosioNervosa_30 Start: 21782, Stop: 23572, Start Num: 156
Candidate Starts for ExplosioNervosa_30:
(Start: 153 @21779 has 9 MA's), (Start: 156 @21782 has 559 MA's), (323, 22016), (325, 22019), (366, 22091), (367, 22094), (376, 22109), (402, 22148), (406, 22154), (465, 22265), (508, 22352), (550, 22433), (556, 22436), (635, 22622), (669, 22685), (675, 22709), (677, 22715), (689, 22748), (731, 22829), (775, 22955), (788, 22997), (821, 23057), (831, 23090), (835, 23105), (866, 23204), (867, 23207), (869, 23219), (899, 23303), (925, 23369), (943, 23408), (945, 23414), (964, 23459), (983, 23516), (984, 23519),

Gene: Eyeball_27 Start: 20895, Stop: 22697, Start Num: 159
Candidate Starts for Eyeball_27:
(Start: 159 @20895 has 217 MA's), (Start: 176 @20916 has 45 MA's), (Start: 204 @20958 has 1 MA's), (237, 21003), (367, 21219), (395, 21264), (402, 21273), (421, 21312), (448, 21363), (449, 21366), (556, 21561), (581, 21630), (674, 21831), (675, 21834), (683, 21855), (730, 21951), (731, 21954), (733, 21960), (762, 22029), (767, 22047), (769, 22056), (777, 22086), (821, 22182), (831, 22215), (835, 22230), (879, 22371), (899, 22428), (945, 22539),

Gene: Eyes_19 Start: 16632, Stop: 18362, Start Num: 148
Candidate Starts for Eyes_19:
(34, 16176), (55, 16299), (59, 16320), (85, 16515), (122, 16599), (Start: 131 @16611 has 1 MA's), (Start: 148 @16632 has 5 MA's), (Start: 303 @16869 has 11 MA's), (333, 16902), (377, 16986), (484, 17187), (506, 17229), (535, 17265), (543, 17295), (553, 17319), (570, 17361), (579, 17388), (619, 17445), (622, 17451), (670, 17538), (791, 17832), (825, 17898), (832, 17922), (837, 17940), (879, 18036), (885, 18054), (948, 18210), (949, 18213), (954, 18225), (981, 18300), (989, 18327),

Gene: Eyre_17 Start: 15369, Stop: 17078, Start Num: 216
Candidate Starts for Eyre_17:
(Start: 216 @15369 has 31 MA's), (278, 15486), (347, 15636), (406, 15732), (417, 15759), (471, 15852), (476, 15864), (547, 16038), (598, 16155), (613, 16179), (704, 16344), (731, 16401), (746, 16440), (768, 16497), (769, 16500), (821, 16593), (831, 16626), (931, 16881), (933, 16884), (951, 16932), (965, 16962), (983, 17019),

Gene: FF47_21 Start: 15896, Stop: 17782, Start Num: 116
Candidate Starts for FF47_21:
(116, 15896), (Start: 139 @15932 has 4 MA's), (Start: 179 @15983 has 2 MA's), (199, 16010), (241, 16070), (272, 16136), (291, 16187), (296, 16205), (453, 16511), (482, 16568), (498, 16616), (500, 16619), (525, 16682), (536, 16703), (563, 16766), (566, 16775), (571, 16790), (651, 16925), (666, 16964), (673, 16985), (687, 17024), (707, 17066), (718, 17081), (721, 17087), (858, 17396), (860, 17405), (862, 17411), (866, 17423), (875, 17453), (883, 17477), (942, 17597), (965, 17654), (991, 17741), (993, 17750),

Gene: Fairfaxidum_19 Start: 16818, Stop: 18467, Start Num: 227
Candidate Starts for Fairfaxidum_19:
(40, 16287), (45, 16317), (46, 16323), (66, 16455), (74, 16512), (76, 16521), (127, 16680), (203, 16782), (Start: 227 @16818 has 45 MA's), (283, 16923), (318, 17001), (349, 17061), (360, 17073), (361, 17076), (374, 17100), (468, 17274), (475, 17289), (554, 17373), (560, 17385), (563, 17394), (564, 17397), (571, 17418), (591, 17460), (600, 17490), (677, 17673), (686, 17697), (700, 17748), (739, 17841), (744, 17853), (763, 17895), (799, 17913), (844, 18048), (875, 18147), (881, 18165), (899, 18216), (921, 18276), (925, 18282), (968, 18357),

Gene: FairyPath_24 Start: 20027, Stop: 21622, Start Num: 212
Candidate Starts for FairyPath_24:
(Start: 147 @19943 has 120 MA's), (Start: 212 @20027 has 47 MA's), (Start: 260 @20105 has 1 MA's), (296, 20192), (301, 20207), (332, 20255), (349, 20294), (405, 20381), (420, 20414), (437, 20450), (454, 20480), (457, 20486), (538, 20555), (561, 20585), (565, 20597), (566, 20600), (591, 20657), (650, 20789), (651, 20795), (675, 20861), (677, 20867), (686, 20891), (704, 20939), (715, 20963), (721, 20972), (754, 21047), (810, 21098), (819, 21113), (867, 21275), (875, 21302), (885, 21332), (926, 21437), (971, 21515), (980, 21551), (983, 21560), (992, 21593), (998, 21608),

Gene: Faith1_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for Faith1_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Faith5x5_17 Start: 14654, Stop: 16363, Start Num: 216

Candidate Starts for Faith5x5_17:
(115, 14519), (Start: 216 @14654 has 31 MA's), (243, 14696), (278, 14771), (304, 14843), (305, 14846), (327, 14882), (347, 14921), (376, 14975), (417, 15044), (423, 15056), (469, 15134), (471, 15137), (547, 15323), (583, 15404), (613, 15464), (631, 15470), (663, 15512), (691, 15593), (704, 15629), (714, 15647), (722, 15662), (731, 15686), (764, 15761), (768, 15782), (769, 15785), (875, 16016), (880, 16031), (931, 16166), (933, 16169), (951, 16217), (965, 16247), (976, 16283),

Gene: Faiyaz_24 Start: 19608, Stop: 21443, Start Num: 121
Candidate Starts for Faiyaz_24:
(Start: 121 @19608 has 6 MA's), (Start: 163 @19656 has 1 MA's), (Start: 169 @19665 has 3 MA's), (201, 19704), (228, 19734), (237, 19746), (256, 19782), (268, 19812), (272, 19821), (277, 19836), (295, 19887), (296, 19890), (345, 19989), (417, 20130), (445, 20181), (448, 20187), (473, 20226), (491, 20280), (536, 20349), (551, 20391), (568, 20427), (571, 20436), (606, 20514), (611, 20523), (629, 20553), (644, 20586), (647, 20589), (670, 20649), (678, 20673), (682, 20682), (715, 20751), (761, 20856), (762, 20859), (769, 20886), (860, 21069), (968, 21324), (993, 21414), (994, 21417), (996, 21420),

Gene: Fajezeel_29 Start: 21405, Stop: 23207, Start Num: 159
Candidate Starts for Fajezeel_29:
(Start: 159 @21405 has 217 MA's), (Start: 176 @21426 has 45 MA's), (Start: 204 @21468 has 1 MA's), (237, 21513), (367, 21729), (395, 21774), (402, 21783), (448, 21873), (449, 21876), (556, 22071), (581, 22140), (674, 22341), (675, 22344), (683, 22365), (730, 22461), (731, 22464), (733, 22470), (762, 22539), (767, 22557), (769, 22566), (777, 22596), (821, 22692), (831, 22725), (835, 22740), (879, 22881), (899, 22938), (945, 23049),

Gene: Fameo_28 Start: 20236, Stop: 22008, Start Num: 156
Candidate Starts for Fameo_28:
(110, 20170), (Start: 136 @20212 has 48 MA's), (Start: 156 @20236 has 559 MA's), (323, 20470), (325, 20473), (366, 20545), (367, 20548), (402, 20602), (421, 20641), (445, 20686), (465, 20719), (508, 20806), (550, 20887), (556, 20890), (675, 21163), (731, 21283), (775, 21409), (808, 21463), (813, 21472), (821, 21493), (831, 21526), (835, 21541), (837, 21547), (855, 21601), (866, 21640), (869, 21655), (899, 21739), (945, 21850),

Gene: Familton_57 Start: 33481, Stop: 35217, Start Num: 126
Candidate Starts for Familton_57:
(Start: 120 @33472 has 2 MA's), (Start: 126 @33481 has 26 MA's), (Start: 195 @33571 has 1 MA's), (266, 33688), (282, 33724), (291, 33745), (299, 33772), (301, 33778), (322, 33808), (336, 33832), (363, 33883), (437, 34021), (440, 34027), (472, 34078), (473, 34081), (482, 34099), (558, 34150), (566, 34171), (567, 34174), (589, 34222), (591, 34228), (605, 34276), (607, 34282), (611, 34288), (632, 34348), (648, 34372), (650, 34375), (666, 34420), (671, 34435), (674, 34444), (677, 34453), (693, 34498), (704, 34516), (721, 34549), (812, 34687), (820, 34708), (840, 34774), (848, 34804), (865, 34858), (878, 34900), (885, 34921), (892, 34942), (896, 34954), (907, 34975), (928, 35029), (971, 35107), (980, 35143), (986, 35164), (993, 35191),

Gene: Fancypants_16 Start: 14817, Stop: 16526, Start Num: 142
Candidate Starts for Fancypants_16:
(Start: 142 @14817 has 207 MA's), (215, 14904), (232, 14925), (Start: 249 @14949 has 2 MA's), (258, 14973), (266, 14994), (299, 15078), (301, 15084), (309, 15102), (332, 15132), (390, 15237), (419, 15291), (422, 15297), (432, 15315), (434, 15318), (437, 15327), (450, 15351), (535, 15426), (539, 15438), (544, 15453), (546, 15459), (558, 15477), (564, 15492), (566, 15498), (573, 15519), (580, 15534), (589, 15549), (591, 15555), (605, 15603), (611, 15615), (614, 15621), (648, 15681), (653, 15693), (666, 15729), (670, 15741), (700, 15816), (704, 15825), (713, 15843), (715, 15849), (730, 15879), (806, 15984), (810, 15993), (812, 15996), (825, 16032), (847, 16110), (878, 16209), (885,

16230), (896, 16263), (911, 16293), (919, 16323), (924, 16332), (928, 16338), (944, 16353), (945, 16356), (955, 16380), (968, 16410), (973, 16422), (980, 16452), (992, 16494),

Gene: Farber_29 Start: 20372, Stop: 22168, Start Num: 156
Candidate Starts for Farber_29:
(Start: 156 @20372 has 559 MA's), (Start: 204 @20429 has 1 MA's), (215, 20444), (238, 20477), (254, 20498), (259, 20513), (Start: 303 @20600 has 11 MA's), (323, 20612), (325, 20615), (367, 20690), (376, 20705), (400, 20741), (508, 20948), (567, 21062), (581, 21101), (615, 21188), (674, 21302), (683, 21326), (689, 21344), (731, 21425), (762, 21500), (767, 21518), (775, 21551), (777, 21557), (790, 21596), (820, 21650), (821, 21653), (828, 21674), (844, 21731), (899, 21899), (943, 22004), (945, 22010), (992, 22145),

Gene: Farewell_16 Start: 16143, Stop: 17858, Start Num: 169
Candidate Starts for Farewell_16:
(Start: 169 @16143 has 3 MA's), (Start: 176 @16152 has 45 MA's), (266, 16278), (295, 16356), (297, 16362), (298, 16365), (325, 16398), (346, 16446), (348, 16452), (389, 16518), (409, 16551), (417, 16569), (471, 16665), (536, 16779), (562, 16836), (567, 16854), (579, 16890), (636, 16971), (641, 16980), (674, 17058), (687, 17094), (731, 17184), (764, 17259), (826, 17385), (865, 17475), (898, 17577), (951, 17706), (969, 17748), (977, 17775), (985, 17802), (989, 17814), (990, 17817), (998, 17841),

Gene: FarmResident_18 Start: 16625, Stop: 18388, Start Num: 136
Candidate Starts for FarmResident_18:
(Start: 136 @16625 has 48 MA's), (246, 16766), (295, 16874), (296, 16877), (412, 17075), (414, 17078), (419, 17090), (430, 17111), (484, 17219), (501, 17249), (562, 17357), (572, 17390), (575, 17405), (588, 17426), (674, 17582), (695, 17645), (716, 17687), (724, 17696), (746, 17750), (764, 17786), (826, 17912), (835, 17945), (878, 18047), (881, 18056), (888, 18074), (896, 18101), (919, 18158), (943, 18197), (951, 18221), (963, 18257), (969, 18272), (977, 18302), (985, 18329), (989, 18341), (994, 18362),

Gene: Fascinus_26 Start: 20958, Stop: 22760, Start Num: 159
Candidate Starts for Fascinus_26:
(Start: 159 @20958 has 217 MA's), (Start: 176 @20979 has 45 MA's), (Start: 204 @21021 has 1 MA's), (237, 21066), (367, 21282), (395, 21327), (402, 21336), (421, 21375), (448, 21426), (449, 21429), (556, 21624), (581, 21693), (674, 21894), (675, 21897), (683, 21918), (730, 22014), (731, 22017), (733, 22023), (762, 22092), (767, 22110), (769, 22119), (777, 22149), (821, 22245), (831, 22278), (835, 22293), (879, 22434), (899, 22491), (945, 22602),

Gene: Fastidio_16 Start: 14771, Stop: 16480, Start Num: 142
Candidate Starts for Fastidio_16:
(Start: 142 @14771 has 207 MA's), (215, 14858), (Start: 249 @14903 has 2 MA's), (258, 14927), (299, 15032), (301, 15038), (309, 15056), (332, 15086), (390, 15191), (419, 15245), (422, 15251), (434, 15272), (437, 15281), (450, 15305), (475, 15347), (558, 15431), (564, 15446), (566, 15452), (580, 15488), (582, 15491), (589, 15503), (591, 15509), (605, 15557), (611, 15569), (614, 15575), (648, 15635), (653, 15647), (666, 15683), (670, 15695), (700, 15770), (704, 15779), (713, 15797), (715, 15803), (730, 15833), (806, 15938), (810, 15947), (812, 15950), (825, 15986), (847, 16064), (878, 16163), (885, 16184), (896, 16217), (911, 16247), (919, 16277), (924, 16286), (928, 16292), (944, 16307), (945, 16310), (955, 16334), (968, 16364), (973, 16376), (980, 16406), (992, 16448),

Gene: Fayely_30 Start: 21782, Stop: 23572, Start Num: 156
Candidate Starts for Fayely_30:
(Start: 153 @21779 has 9 MA's), (Start: 156 @21782 has 559 MA's), (323, 22016), (325, 22019), (366, 22091), (367, 22094), (376, 22109), (402, 22148), (406, 22154), (465, 22265), (508, 22352), (550,

22433), (556, 22436), (635, 22622), (669, 22685), (675, 22709), (677, 22715), (689, 22748), (731, 22829), (775, 22955), (788, 22997), (821, 23057), (831, 23090), (835, 23105), (866, 23204), (867, 23207), (869, 23219), (899, 23303), (925, 23369), (943, 23408), (945, 23414), (964, 23459), (983, 23516), (984, 23519),

Gene: Feastonyeet_17 Start: 15461, Stop: 17155, Start Num: 151
Candidate Starts for Feastonyeet_17:
(Start: 141 @15458 has 37 MA's), (Start: 151 @15461 has 50 MA's), (235, 15560), (259, 15602), (289, 15671), (400, 15842), (445, 15929), (456, 15950), (462, 15959), (477, 15986), (495, 16031), (525, 16064), (534, 16079), (541, 16103), (553, 16136), (567, 16169), (571, 16181), (594, 16238), (635, 16286), (652, 16316), (666, 16346), (688, 16409), (707, 16460), (731, 16496), (736, 16511), (744, 16529), (767, 16586), (769, 16595), (832, 16715), (835, 16727), (862, 16775), (878, 16826), (879, 16829), (885, 16847), (914, 16925), (919, 16940), (925, 16952), (945, 16994), (994, 17141), (998, 17147),

Gene: Fefferhead_22 Start: 17500, Stop: 19257, Start Num: 176
Candidate Starts for Fefferhead_22:
(Start: 146 @17464 has 1 MA's), (Start: 171 @17494 has 28 MA's), (Start: 176 @17500 has 45 MA's), (Start: 178 @17503 has 139 MA's), (Start: 195 @17515 has 1 MA's), (198, 17521), (272, 17647), (277, 17662), (295, 17713), (311, 17743), (329, 17776), (371, 17878), (400, 17920), (436, 17992), (441, 18001), (509, 18145), (512, 18148), (527, 18163), (534, 18175), (536, 18181), (541, 18199), (551, 18223), (557, 18229), (567, 18256), (656, 18412), (702, 18529), (721, 18562), (724, 18574), (731, 18586), (751, 18634), (831, 18826), (841, 18859), (875, 18931), (879, 18943), (896, 18994), (899, 19000), (948, 19093), (971, 19144), (983, 19189), (993, 19228), (994, 19231), (1004, 19249),

Gene: FeliMaine_52 Start: 27401, Stop: 29113, Start Num: 175
Candidate Starts for FeliMaine_52:
(122, 27338), (Start: 175 @27401 has 56 MA's), (Start: 233 @27482 has 1 MA's), (266, 27539), (296, 27620), (298, 27626), (339, 27683), (342, 27695), (346, 27707), (367, 27746), (376, 27761), (417, 27830), (445, 27884), (449, 27893), (539, 28049), (562, 28097), (564, 28106), (567, 28115), (581, 28154), (590, 28169), (636, 28232), (644, 28244), (689, 28361), (690, 28364), (712, 28415), (729, 28442), (731, 28445), (738, 28466), (758, 28508), (820, 28628), (826, 28646), (881, 28790), (896, 28835), (905, 28853), (942, 28937), (945, 28946), (951, 28964), (961, 28985), (977, 29030), (979, 29036), (983, 29048), (986, 29060), (992, 29081), (998, 29096), (1002, 29102),

Gene: Fenn_28 Start: 22770, Stop: 24572, Start Num: 159
Candidate Starts for Fenn_28:
(Start: 159 @22770 has 217 MA's), (Start: 176 @22791 has 45 MA's), (Start: 204 @22833 has 1 MA's), (237, 22878), (367, 23094), (395, 23139), (402, 23148), (421, 23187), (448, 23238), (449, 23241), (556, 23436), (581, 23505), (604, 23565), (674, 23706), (675, 23709), (683, 23730), (730, 23826), (731, 23829), (733, 23835), (762, 23904), (767, 23922), (769, 23931), (777, 23961), (821, 24057), (831, 24090), (835, 24105), (879, 24246), (899, 24303), (945, 24414),

Gene: Fenry_18 Start: 16369, Stop: 18015, Start Num: 227
Candidate Starts for Fenry_18:
(203, 16333), (Start: 227 @16369 has 45 MA's), (283, 16471), (321, 16552), (374, 16648), (396, 16687), (417, 16732), (424, 16747), (435, 16768), (468, 16822), (475, 16837), (591, 17008), (600, 17038), (645, 17137), (677, 17221), (686, 17245), (700, 17296), (739, 17389), (744, 17401), (765, 17446), (799, 17461), (843, 17593), (844, 17596), (875, 17695), (881, 17713), (899, 17764), (921, 17824), (925, 17830), (963, 17893), (968, 17905),

Gene: Fernando_29 Start: 20378, Stop: 22174, Start Num: 156
Candidate Starts for Fernando_29:

(Start: 156 @20378 has 559 MA's), (Start: 204 @20435 has 1 MA's), (215, 20450), (238, 20483), (254, 20504), (259, 20519), (Start: 303 @20606 has 11 MA's), (323, 20618), (325, 20621), (367, 20696), (376, 20711), (400, 20747), (508, 20954), (567, 21068), (581, 21107), (615, 21194), (674, 21308), (683, 21332), (689, 21350), (731, 21431), (762, 21506), (767, 21524), (775, 21557), (777, 21563), (790, 21602), (820, 21656), (821, 21659), (828, 21680), (844, 21737), (899, 21905), (943, 22010), (945, 22016), (992, 22151),

Gene: Feyre_21 Start: 17413, Stop: 19185, Start Num: 181
Candidate Starts for Feyre_21:
(Start: 181 @17413 has 15 MA's), (Start: 186 @17419 has 1 MA's), (201, 17443), (228, 17476), (256, 17524), (277, 17578), (295, 17629), (329, 17692), (376, 17800), (436, 17908), (491, 18022), (492, 18025), (512, 18064), (527, 18079), (534, 18091), (536, 18097), (551, 18139), (557, 18145), (571, 18184), (579, 18208), (647, 18310), (671, 18373), (687, 18418), (751, 18553), (782, 18652), (824, 18730), (831, 18754), (833, 18760), (837, 18775), (879, 18871), (881, 18877), (951, 19030), (988, 19135), (989, 19138), (993, 19156),

Gene: Fibonacci_28 Start: 20752, Stop: 22551, Start Num: 156
Candidate Starts for Fibonacci_28:
(110, 20686), (Start: 136 @20728 has 48 MA's), (Start: 156 @20752 has 559 MA's), (Start: 196 @20794 has 2 MA's), (Start: 260 @20890 has 1 MA's), (269, 20905), (323, 20986), (325, 20989), (367, 21064), (376, 21079), (402, 21118), (406, 21124), (465, 21235), (469, 21241), (508, 21322), (556, 21406), (603, 21532), (609, 21550), (622, 21577), (689, 21718), (723, 21784), (730, 21796), (731, 21799), (800, 21988), (813, 22015), (819, 22024), (824, 22045), (825, 22048), (831, 22069), (835, 22084), (842, 22108), (866, 22183), (869, 22198), (899, 22282), (943, 22387), (945, 22393), (968, 22447), (1000, 22546),

Gene: Filch_25 Start: 19504, Stop: 21183, Start Num: 147
Candidate Starts for Filch_25:
(Start: 147 @19504 has 120 MA's), (Start: 212 @19588 has 47 MA's), (Start: 260 @19666 has 1 MA's), (296, 19753), (301, 19768), (332, 19816), (349, 19855), (405, 19942), (420, 19975), (437, 20011), (454, 20041), (457, 20047), (538, 20116), (561, 20146), (565, 20158), (566, 20161), (591, 20218), (650, 20350), (651, 20356), (675, 20422), (677, 20428), (686, 20452), (704, 20500), (715, 20524), (721, 20533), (754, 20608), (810, 20659), (819, 20674), (867, 20836), (875, 20863), (885, 20893), (926, 20998), (971, 21076), (980, 21112), (983, 21121), (992, 21154), (998, 21169),

Gene: Filuzino_16 Start: 14799, Stop: 16508, Start Num: 142
Candidate Starts for Filuzino_16:
(Start: 142 @14799 has 207 MA's), (215, 14886), (Start: 249 @14931 has 2 MA's), (258, 14955), (299, 15060), (301, 15066), (309, 15084), (332, 15114), (390, 15219), (422, 15279), (425, 15288), (432, 15297), (434, 15300), (437, 15309), (450, 15333), (535, 15408), (558, 15459), (564, 15474), (566, 15480), (580, 15516), (582, 15519), (589, 15531), (591, 15537), (605, 15585), (611, 15597), (614, 15603), (648, 15663), (653, 15675), (666, 15711), (670, 15723), (700, 15798), (704, 15807), (713, 15825), (715, 15831), (730, 15861), (806, 15966), (810, 15975), (812, 15978), (825, 16014), (847, 16092), (878, 16191), (885, 16212), (896, 16245), (911, 16275), (919, 16305), (924, 16314), (928, 16320), (944, 16335), (945, 16338), (955, 16362), (968, 16392), (973, 16404), (980, 16434), (992, 16476),

Gene: Findley_19 Start: 15016, Stop: 16785, Start Num: 176
Candidate Starts for Findley_19:
(Start: 146 @14980 has 1 MA's), (Start: 171 @15010 has 28 MA's), (Start: 176 @15016 has 45 MA's), (Start: 195 @15031 has 1 MA's), (228, 15073), (256, 15121), (272, 15160), (277, 15175), (295, 15226), (311, 15256), (329, 15289), (335, 15301), (342, 15319), (371, 15391), (376, 15397), (430, 15493), (436, 15505), (488, 15607), (492, 15622), (509, 15658), (536, 15694), (557, 15742), (571, 15781),

(579, 15805), (587, 15817), (647, 15907), (651, 15916), (730, 16111), (751, 16162), (769, 16216), (784, 16270), (841, 16384), (853, 16393), (879, 16468), (896, 16519), (899, 16525), (948, 16621), (972, 16675), (993, 16756), (1004, 16777),

Gene: Finemlucis_18 Start: 16995, Stop: 18728, Start Num: 175
Candidate Starts for Finemlucis_18:
(Start: 175 @16995 has 56 MA's), (223, 17064), (295, 17205), (296, 17208), (327, 17253), (343, 17286), (346, 17295), (366, 17331), (400, 17385), (414, 17412), (419, 17424), (445, 17475), (448, 17481), (469, 17514), (546, 17667), (562, 17691), (564, 17700), (579, 17745), (588, 17760), (636, 17838), (686, 17958), (712, 18021), (746, 18093), (764, 18129), (824, 18249), (826, 18255), (830, 18267), (860, 18330), (888, 18417), (896, 18444), (925, 18513), (935, 18528), (943, 18540), (951, 18564), (977, 18642),

Gene: Finkle_19 Start: 16256, Stop: 17803, Start Num: 226
Candidate Starts for Finkle_19:
(95, 16073), (108, 16106), (207, 16241), (Start: 226 @16256 has 1 MA's), (Start: 231 @16262 has 1 MA's), (264, 16325), (323, 16439), (327, 16448), (329, 16451), (339, 16454), (345, 16475), (367, 16520), (369, 16523), (406, 16577), (469, 16688), (488, 16736), (528, 16823), (577, 16844), (579, 16847), (590, 16865), (663, 16967), (681, 17021), (695, 17066), (730, 17147), (772, 17261), (773, 17267), (789, 17297), (814, 17306), (836, 17372), (894, 17513), (899, 17525), (933, 17600), (948, 17645), (988, 17759), (992, 17774),

Gene: Finnry_19 Start: 17377, Stop: 19140, Start Num: 136
Candidate Starts for Finnry_19:
(Start: 136 @17377 has 48 MA's), (Start: 161 @17404 has 14 MA's), (207, 17467), (241, 17515), (246, 17521), (269, 17557), (296, 17632), (Start: 303 @17656 has 11 MA's), (318, 17662), (346, 17719), (414, 17833), (419, 17845), (478, 17956), (556, 18100), (562, 18112), (572, 18145), (575, 18160), (674, 18334), (676, 18340), (695, 18397), (716, 18439), (724, 18448), (731, 18460), (762, 18535), (782, 18604), (785, 18616), (826, 18664), (858, 18730), (881, 18808), (896, 18853), (919, 18910), (951, 18973), (963, 19009), (969, 19024), (977, 19054), (979, 19060), (983, 19072), (985, 19081), (989, 19093),

Gene: Fionnbharth_24 Start: 18623, Stop: 20410, Start Num: 178
Candidate Starts for Fionnbharth_24:
(Start: 146 @18584 has 1 MA's), (Start: 171 @18614 has 28 MA's), (Start: 176 @18620 has 45 MA's), (Start: 178 @18623 has 139 MA's), (Start: 196 @18638 has 2 MA's), (228, 18680), (256, 18728), (272, 18767), (277, 18782), (284, 18800), (295, 18833), (311, 18863), (335, 18908), (342, 18926), (371, 18998), (376, 19004), (395, 19034), (397, 19037), (430, 19100), (436, 19112), (498, 19247), (509, 19265), (534, 19295), (536, 19301), (541, 19319), (557, 19349), (571, 19388), (647, 19514), (671, 19577), (751, 19778), (769, 19832), (782, 19877), (808, 19922), (821, 19946), (831, 19979), (832, 19982), (841, 20012), (875, 20084), (879, 20096), (896, 20147), (899, 20153), (951, 20255), (993, 20381), (1004, 20402),

Gene: FireRed_24 Start: 19858, Stop: 21453, Start Num: 212
Candidate Starts for FireRed_24:
(Start: 147 @19774 has 120 MA's), (Start: 212 @19858 has 47 MA's), (Start: 260 @19936 has 1 MA's), (296, 20023), (301, 20038), (332, 20086), (349, 20125), (405, 20212), (420, 20245), (437, 20281), (454, 20311), (457, 20317), (538, 20386), (561, 20416), (565, 20428), (566, 20431), (591, 20488), (650, 20620), (651, 20626), (675, 20692), (677, 20698), (686, 20722), (704, 20770), (715, 20794), (721, 20803), (754, 20878), (810, 20929), (819, 20944), (867, 21106), (875, 21133), (885, 21163), (926, 21268), (971, 21346), (980, 21382), (983, 21391), (992, 21424), (998, 21439),

Gene: Fireball_32 Start: 25984, Stop: 27750, Start Num: 111

Candidate Starts for Fireball_32:
(93, 25942), (Start: 111 @25984 has 74 MA's), (Start: 131 @26020 has 1 MA's), (Start: 159 @26053 has 217 MA's), (287, 26263), (289, 26266), (323, 26296), (351, 26362), (367, 26386), (372, 26395), (393, 26428), (478, 26581), (495, 26620), (535, 26671), (539, 26683), (543, 26701), (548, 26713), (553, 26725), (562, 26740), (571, 26770), (572, 26773), (579, 26794), (636, 26866), (663, 26914), (699, 27025), (724, 27058), (743, 27100), (769, 27172), (803, 27238), (809, 27250), (879, 27421), (880, 27424), (896, 27472), (909, 27499), (917, 27526), (919, 27532), (943, 27580), (984, 27697), (990, 27718),

Gene: Firecracker_57 Start: 33671, Stop: 35407, Start Num: 126
Candidate Starts for Firecracker_57:
(Start: 120 @33662 has 2 MA's), (Start: 126 @33671 has 26 MA's), (Start: 195 @33761 has 1 MA's), (266, 33878), (282, 33914), (291, 33935), (299, 33962), (301, 33968), (322, 33998), (336, 34022), (363, 34073), (437, 34211), (440, 34217), (472, 34268), (473, 34271), (482, 34289), (558, 34340), (566, 34361), (567, 34364), (589, 34412), (591, 34418), (605, 34466), (607, 34472), (611, 34478), (632, 34538), (648, 34562), (650, 34565), (666, 34610), (671, 34625), (674, 34634), (677, 34643), (693, 34688), (704, 34706), (721, 34739), (812, 34877), (820, 34898), (840, 34964), (848, 34994), (865, 35048), (878, 35090), (885, 35111), (892, 35132), (896, 35144), (907, 35165), (928, 35219), (971, 35297), (980, 35333), (986, 35354), (993, 35381),

Gene: Firehouse51_17 Start: 15366, Stop: 17075, Start Num: 142
Candidate Starts for Firehouse51_17:
(Start: 142 @15366 has 207 MA's), (215, 15453), (Start: 249 @15498 has 2 MA's), (258, 15522), (299, 15627), (301, 15633), (309, 15651), (332, 15681), (390, 15786), (422, 15846), (434, 15867), (437, 15876), (450, 15900), (473, 15936), (558, 16026), (564, 16041), (566, 16047), (580, 16083), (582, 16086), (589, 16098), (591, 16104), (605, 16152), (611, 16164), (614, 16170), (648, 16230), (653, 16242), (666, 16278), (670, 16290), (700, 16365), (704, 16374), (713, 16392), (715, 16398), (730, 16428), (806, 16533), (810, 16542), (812, 16545), (825, 16581), (847, 16659), (878, 16758), (885, 16779), (896, 16812), (911, 16842), (919, 16872), (924, 16881), (928, 16887), (944, 16902), (945, 16905), (955, 16929), (968, 16959), (973, 16971), (980, 17001), (992, 17043),

Gene: FiringLine_28 Start: 20118, Stop: 21890, Start Num: 156
Candidate Starts for FiringLine_28:
(110, 20052), (Start: 136 @20094 has 48 MA's), (Start: 156 @20118 has 559 MA's), (238, 20217), (281, 20301), (323, 20352), (325, 20355), (366, 20427), (367, 20430), (402, 20484), (421, 20523), (445, 20568), (465, 20601), (508, 20688), (550, 20769), (556, 20772), (675, 21045), (731, 21165), (775, 21291), (808, 21345), (831, 21408), (835, 21423), (837, 21429), (855, 21483), (866, 21522), (869, 21537), (875, 21552), (899, 21621), (945, 21732), (992, 21867),

Gene: First_0028 Start: 20226, Stop: 21998, Start Num: 156
Candidate Starts for First_0028:
(Start: 136 @20202 has 48 MA's), (Start: 156 @20226 has 559 MA's), (238, 20325), (323, 20460), (325, 20463), (366, 20535), (367, 20538), (402, 20592), (406, 20598), (421, 20631), (465, 20709), (508, 20796), (550, 20877), (556, 20880), (675, 21153), (723, 21258), (731, 21273), (775, 21399), (777, 21405), (808, 21453), (831, 21516), (835, 21531), (837, 21537), (845, 21567), (855, 21591), (866, 21630), (869, 21645), (899, 21729), (934, 21810),

Gene: FirstPlacePfu_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for FirstPlacePfu_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165),

(621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Fishburne_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Fishburne_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Fitzgerald_33 Start: 30900, Stop: 32663, Start Num: 111
Candidate Starts for Fitzgerald_33:
(104, 30882), (Start: 111 @30900 has 74 MA's), (Start: 131 @30936 has 1 MA's), (238, 31074), (285, 31170), (289, 31179), (340, 31248), (367, 31299), (395, 31344), (406, 31359), (448, 31440), (475, 31485), (478, 31494), (495, 31533), (535, 31584), (543, 31614), (550, 31629), (562, 31653), (571, 31683), (641, 31788), (689, 31905), (695, 31923), (699, 31938), (723, 31968), (730, 31980), (731, 31983), (740, 32010), (879, 32334), (880, 32337), (896, 32385), (909, 32412), (917, 32439), (943, 32493), (952, 32520), (994, 32649),

Gene: FlagStaff_18 Start: 16851, Stop: 18575, Start Num: 195
Candidate Starts for FlagStaff_18:
(Start: 195 @16851 has 1 MA's), (256, 16923), (311, 17058), (346, 17133), (367, 17184), (376, 17199), (395, 17229), (400, 17235), (425, 17289), (488, 17409), (505, 17454), (536, 17505), (539, 17514), (557, 17553), (571, 17592), (587, 17628), (607, 17673), (647, 17718), (702, 17859), (731, 17916), (751, 17964), (762, 17991), (774, 18039), (805, 18081), (831, 18144), (874, 18246), (896, 18312), (976, 18486), (996, 18552),

Gene: Flapper_45 Start: 31189, Stop: 32808, Start Num: 202
Candidate Starts for Flapper_45:
(Start: 202 @31189 has 36 MA's), (214, 31204), (Start: 231 @31225 has 1 MA's), (277, 31303), (417, 31570), (433, 31600), (453, 31627), (458, 31636), (469, 31651), (519, 31762), (535, 31792), (536, 31795), (562, 31852), (687, 32077), (704, 32116), (728, 32164), (773, 32290), (785, 32326), (833, 32383), (861, 32437), (885, 32512), (948, 32644), (976, 32719), (980, 32731), (984, 32743), (986, 32752), (998, 32788),

Gene: Flare16_28 Start: 20214, Stop: 21986, Start Num: 156
Candidate Starts for Flare16_28:
(Start: 136 @20190 has 48 MA's), (Start: 156 @20214 has 559 MA's), (259, 20349), (323, 20448), (325, 20451), (366, 20523), (367, 20526), (402, 20580), (406, 20586), (436, 20649), (465, 20697), (479, 20730), (508, 20784), (550, 20865), (556, 20868), (567, 20898), (635, 21054), (675, 21141), (731, 21261), (774, 21384), (775, 21387), (777, 21393), (808, 21441), (831, 21504), (835, 21519), (837, 21525), (855, 21579), (866, 21618), (869, 21633), (881, 21666), (943, 21822), (945, 21828), (968, 21882),

Gene: Flathead_17 Start: 14674, Stop: 16383, Start Num: 142
Candidate Starts for Flathead_17:
(Start: 142 @14674 has 207 MA's), (215, 14761), (Start: 249 @14806 has 2 MA's), (258, 14830), (299, 14935), (301, 14941), (309, 14959), (332, 14989), (390, 15094), (422, 15154), (434, 15175), (437, 15184), (450, 15208), (558, 15334), (564, 15349), (566, 15355), (580, 15391), (582, 15394), (589,

15406), (591, 15412), (605, 15460), (611, 15472), (614, 15478), (648, 15538), (653, 15550), (666, 15586), (670, 15598), (700, 15673), (704, 15682), (713, 15700), (715, 15706), (730, 15736), (806, 15841), (810, 15850), (812, 15853), (825, 15889), (847, 15967), (878, 16066), (885, 16087), (896, 16120), (911, 16150), (919, 16180), (924, 16189), (928, 16195), (944, 16210), (945, 16213), (955, 16237), (968, 16267), (973, 16279), (980, 16309), (992, 16351),

Gene: Flatwoods_35 Start: 29836, Stop: 31599, Start Num: 111
Candidate Starts for Flatwoods_35:
(Start: 111 @29836 has 74 MA's), (Start: 131 @29872 has 1 MA's), (232, 30001), (238, 30010), (285, 30106), (289, 30115), (340, 30184), (367, 30235), (372, 30244), (395, 30280), (406, 30295), (414, 30313), (448, 30376), (475, 30421), (478, 30430), (541, 30541), (543, 30550), (550, 30565), (553, 30574), (562, 30589), (571, 30619), (689, 30841), (695, 30859), (699, 30874), (730, 30916), (731, 30919), (740, 30946), (785, 31066), (879, 31270), (880, 31273), (896, 31321), (909, 31348), (917, 31375), (943, 31429), (952, 31456),

Gene: Flaverint_28 Start: 20749, Stop: 22548, Start Num: 156
Candidate Starts for Flaverint_28:
(110, 20683), (Start: 136 @20725 has 48 MA's), (Start: 156 @20749 has 559 MA's), (Start: 196 @20791 has 2 MA's), (Start: 260 @20887 has 1 MA's), (269, 20902), (323, 20983), (325, 20986), (367, 21061), (376, 21076), (402, 21115), (406, 21121), (465, 21232), (469, 21238), (508, 21319), (556, 21403), (603, 21529), (609, 21547), (622, 21574), (689, 21715), (723, 21781), (730, 21793), (731, 21796), (800, 21985), (813, 22012), (819, 22021), (824, 22042), (825, 22045), (831, 22066), (835, 22081), (842, 22105), (866, 22180), (869, 22195), (899, 22279), (943, 22384), (945, 22390), (968, 22444), (1000, 22543),

Gene: Float294_43 Start: 30912, Stop: 32534, Start Num: 202
Candidate Starts for Float294_43:
(Start: 202 @30912 has 36 MA's), (277, 31029), (307, 31107), (406, 31269), (410, 31281), (417, 31296), (458, 31362), (469, 31377), (519, 31488), (535, 31518), (536, 31521), (562, 31578), (590, 31650), (654, 31734), (663, 31755), (704, 31842), (728, 31890), (773, 32016), (774, 32019), (785, 32052), (833, 32109), (885, 32238), (899, 32277), (952, 32382), (976, 32445), (980, 32457), (984, 32469), (986, 32478), (998, 32514),

Gene: Floral_20 Start: 17566, Stop: 19272, Start Num: 157
Candidate Starts for Floral_20:
(Start: 137 @17542 has 45 MA's), (Start: 157 @17566 has 24 MA's), (238, 17671), (262, 17713), (302, 17788), (367, 17902), (445, 18049), (448, 18055), (475, 18100), (546, 18238), (577, 18313), (730, 18595), (737, 18616), (767, 18691), (809, 18778), (826, 18814), (835, 18847), (837, 18853), (868, 18919), (879, 18949), (943, 19105), (945, 19111), (951, 19129), (990, 19240),

Gene: Florean_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Florean_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Florinda_16 Start: 14828, Stop: 16537, Start Num: 142
Candidate Starts for Florinda_16:

(Start: 142 @14828 has 207 MA's), (215, 14915), (Start: 249 @14960 has 2 MA's), (258, 14984), (299, 15089), (301, 15095), (309, 15113), (332, 15143), (390, 15248), (422, 15308), (434, 15329), (437, 15338), (450, 15362), (558, 15488), (564, 15503), (566, 15509), (572, 15527), (573, 15530), (580, 15545), (582, 15548), (589, 15560), (591, 15566), (593, 15575), (605, 15614), (611, 15626), (614, 15632), (648, 15692), (666, 15740), (670, 15752), (700, 15827), (704, 15836), (713, 15854), (715, 15860), (730, 15890), (806, 15995), (812, 16007), (825, 16043), (847, 16121), (878, 16220), (885, 16241), (896, 16274), (911, 16304), (919, 16334), (924, 16343), (928, 16349), (944, 16364), (945, 16367), (953, 16388), (955, 16391), (973, 16433), (980, 16463), (992, 16505),

Gene: Flux_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Flux_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: FlyCatcher_31 Start: 22924, Stop: 24726, Start Num: 156
Candidate Starts for FlyCatcher_31:
(Start: 144 @22912 has 2 MA's), (Start: 156 @22924 has 559 MA's), (Start: 204 @22972 has 1 MA's), (217, 22990), (323, 23155), (325, 23158), (367, 23233), (376, 23248), (402, 23287), (469, 23410), (473, 23416), (484, 23449), (508, 23491), (575, 23635), (636, 23761), (674, 23842), (689, 23884), (706, 23932), (730, 23980), (731, 23983), (762, 24058), (767, 24076), (769, 24085), (775, 24109), (777, 24115), (820, 24208), (821, 24211), (831, 24244), (835, 24259), (879, 24400), (934, 24538), (943, 24562), (945, 24568), (984, 24673),

Gene: Flypotenuse_22 Start: 19446, Stop: 21041, Start Num: 212
Candidate Starts for Flypotenuse_22:
(Start: 147 @19362 has 120 MA's), (Start: 212 @19446 has 47 MA's), (Start: 260 @19524 has 1 MA's), (296, 19611), (301, 19626), (332, 19674), (349, 19713), (405, 19800), (420, 19833), (437, 19869), (454, 19899), (457, 19905), (538, 19974), (561, 20004), (565, 20016), (566, 20019), (591, 20076), (650, 20208), (651, 20214), (675, 20280), (677, 20286), (686, 20310), (704, 20358), (715, 20382), (721, 20391), (754, 20466), (810, 20517), (819, 20532), (867, 20694), (875, 20721), (885, 20751), (926, 20856), (971, 20934), (980, 20970), (983, 20979), (992, 21012), (998, 21027),

Gene: FoghornLeghorn_23 Start: 19334, Stop: 20929, Start Num: 212
Candidate Starts for FoghornLeghorn_23:
(Start: 147 @19250 has 120 MA's), (Start: 212 @19334 has 47 MA's), (Start: 260 @19412 has 1 MA's), (296, 19499), (301, 19514), (332, 19562), (349, 19601), (405, 19688), (420, 19721), (437, 19757), (454, 19787), (457, 19793), (538, 19862), (561, 19892), (565, 19904), (566, 19907), (591, 19964), (650, 20096), (651, 20102), (675, 20168), (677, 20174), (686, 20198), (704, 20246), (715, 20270), (721, 20279), (754, 20354), (810, 20405), (819, 20420), (867, 20582), (875, 20609), (885, 20639), (926, 20744), (971, 20822), (980, 20858), (983, 20867), (992, 20900), (998, 20915),

Gene: ForGetIt_24 Start: 19589, Stop: 21388, Start Num: 156
Candidate Starts for ForGetIt_24:
(Start: 156 @19589 has 559 MA's), (Start: 260 @19727 has 1 MA's), (325, 19826), (367, 19901), (400, 19952), (436, 20024), (445, 20039), (465, 20072), (469, 20078), (522, 20171), (567, 20273), (575, 20303), (579, 20309), (615, 20399), (635, 20429), (670, 20501), (674, 20513), (675, 20516), (689, 20555), (694, 20573), (730, 20633), (731, 20636), (752, 20687), (767, 20729), (820, 20870), (833, 20912), (945, 21230), (992, 21365),

Gene: Forge_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Forge_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Forsytheast_26 Start: 21094, Stop: 22896, Start Num: 159
Candidate Starts for Forsytheast_26:
(Start: 159 @21094 has 217 MA's), (Start: 176 @21115 has 45 MA's), (Start: 204 @21157 has 1 MA's), (237, 21202), (367, 21418), (395, 21463), (402, 21472), (421, 21511), (448, 21562), (449, 21565), (556, 21760), (581, 21829), (674, 22030), (675, 22033), (683, 22054), (730, 22150), (731, 22153), (733, 22159), (762, 22228), (767, 22246), (769, 22255), (777, 22285), (821, 22381), (831, 22414), (835, 22429), (844, 22459), (879, 22570), (899, 22627), (945, 22738),

Gene: Forza_101 Start: 59948, Stop: 61576, Start Num: 175
Candidate Starts for Forza_101:
(Start: 175 @59948 has 56 MA's), (187, 59963), (Start: 190 @59966 has 1 MA's), (210, 59993), (Start: 249 @60050 has 2 MA's), (263, 60086), (278, 60119), (291, 60149), (292, 60152), (324, 60221), (328, 60227), (416, 60392), (437, 60434), (442, 60443), (447, 60452), (452, 60464), (578, 60584), (648, 60737), (670, 60797), (733, 60944), (740, 60965), (746, 60980), (815, 61058), (819, 61064), (854, 61181), (858, 61196), (875, 61253), (885, 61283), (896, 61316), (956, 61436), (998, 61565),

Gene: Fosterous_33 Start: 30742, Stop: 32505, Start Num: 111
Candidate Starts for Fosterous_33:
(104, 30724), (Start: 111 @30742 has 74 MA's), (Start: 131 @30778 has 1 MA's), (238, 30916), (285, 31012), (289, 31021), (340, 31090), (367, 31141), (395, 31186), (406, 31201), (448, 31282), (475, 31327), (478, 31336), (535, 31426), (543, 31456), (550, 31471), (562, 31495), (571, 31525), (689, 31747), (695, 31765), (699, 31780), (723, 31810), (730, 31822), (731, 31825), (740, 31852), (878, 32173), (879, 32176), (880, 32179), (896, 32227), (909, 32254), (917, 32281), (943, 32335), (951, 32359), (952, 32362), (984, 32452), (1000, 32500),

Gene: FoulBall_56 Start: 33475, Stop: 35211, Start Num: 126
Candidate Starts for FoulBall_56:
(Start: 120 @33466 has 2 MA's), (Start: 126 @33475 has 26 MA's), (Start: 195 @33565 has 1 MA's), (266, 33682), (282, 33718), (291, 33739), (299, 33766), (301, 33772), (322, 33802), (336, 33826), (363, 33877), (437, 34015), (440, 34021), (472, 34072), (473, 34075), (482, 34093), (558, 34144), (566, 34165), (567, 34168), (589, 34216), (591, 34222), (605, 34270), (607, 34276), (611, 34282), (632, 34342), (648, 34366), (650, 34369), (666, 34414), (671, 34429), (674, 34438), (677, 34447), (693, 34492), (704, 34510), (721, 34543), (812, 34681), (820, 34702), (840, 34768), (848, 34798), (865, 34852), (878, 34894), (885, 34915), (892, 34936), (896, 34948), (907, 34969), (928, 35023), (971, 35101), (980, 35137), (986, 35158), (993, 35185),

Gene: Foxboro_42 Start: 31331, Stop: 32944, Start Num: 202
Candidate Starts for Foxboro_42:
(Start: 202 @31331 has 36 MA's), (Start: 231 @31367 has 1 MA's), (242, 31385), (277, 31445), (406, 31685), (410, 31697), (417, 31712), (458, 31778), (469, 31793), (481, 31817), (482, 31820), (519, 31904), (535, 31934), (536, 31937), (562, 31994), (576, 32042), (577, 32045), (590, 32066), (663,

32171), (686, 32216), (704, 32258), (773, 32432), (783, 32462), (785, 32468), (860, 32576), (861, 32579), (885, 32654), (980, 32873), (998, 32930),

Gene: Francis47_27 Start: 21642, Stop: 23444, Start Num: 159
Candidate Starts for Francis47_27:
(Start: 159 @21642 has 217 MA's), (Start: 176 @21663 has 45 MA's), (Start: 204 @21705 has 1 MA's), (237, 21750), (367, 21966), (395, 22011), (402, 22020), (448, 22110), (449, 22113), (465, 22137), (556, 22308), (581, 22377), (674, 22578), (675, 22581), (683, 22602), (730, 22698), (731, 22701), (733, 22707), (762, 22776), (767, 22794), (769, 22803), (777, 22833), (821, 22929), (831, 22962), (835, 22977), (879, 23118), (899, 23175), (945, 23286),

Gene: Francois_22 Start: 17367, Stop: 19073, Start Num: 222
Candidate Starts for Francois_22:
(Start: 164 @17292 has 1 MA's), (Start: 222 @17367 has 16 MA's), (272, 17460), (277, 17475), (309, 17556), (337, 17607), (343, 17628), (397, 17739), (421, 17784), (430, 17802), (436, 17814), (534, 17985), (537, 17994), (539, 18000), (571, 18078), (576, 18096), (599, 18147), (630, 18171), (649, 18201), (674, 18270), (688, 18309), (747, 18441), (769, 18501), (784, 18555), (831, 18642), (878, 18756), (881, 18765), (925, 18870), (969, 18957), (1004, 19065),

Gene: Frankie_17 Start: 14912, Stop: 16621, Start Num: 142
Candidate Starts for Frankie_17:
(Start: 142 @14912 has 207 MA's), (215, 14999), (Start: 249 @15044 has 2 MA's), (258, 15068), (266, 15089), (299, 15173), (301, 15179), (309, 15197), (332, 15227), (390, 15332), (422, 15392), (425, 15401), (432, 15410), (434, 15413), (437, 15422), (450, 15446), (535, 15521), (558, 15572), (564, 15587), (566, 15593), (580, 15629), (589, 15644), (591, 15650), (605, 15698), (611, 15710), (614, 15716), (648, 15776), (653, 15788), (666, 15824), (670, 15836), (700, 15911), (704, 15920), (713, 15938), (715, 15944), (730, 15974), (806, 16079), (812, 16091), (825, 16127), (847, 16205), (885, 16325), (896, 16358), (911, 16388), (919, 16418), (924, 16427), (928, 16433), (944, 16448), (945, 16451), (955, 16475), (968, 16505), (973, 16517), (980, 16547), (992, 16589),

Gene: FreakyGoo_28 Start: 22368, Stop: 24104, Start Num: 161
Candidate Starts for FreakyGoo_28:
(69, 22146), (Start: 119 @22326 has 3 MA's), (Start: 128 @22341 has 2 MA's), (Start: 161 @22368 has 14 MA's), (Start: 176 @22383 has 45 MA's), (201, 22422), (223, 22452), (Start: 227 @22458 has 45 MA's), (237, 22470), (291, 22575), (295, 22590), (323, 22629), (389, 22752), (395, 22761), (445, 22857), (471, 22899), (473, 22902), (562, 23079), (610, 23190), (636, 23217), (669, 23289), (670, 23298), (671, 23301), (675, 23313), (730, 23433), (731, 23436), (746, 23478), (761, 23508), (764, 23514), (824, 23634), (826, 23640), (969, 23994), (977, 24021), (983, 24039), (985, 24048),

Gene: Fred313_27 Start: 19652, Stop: 21451, Start Num: 156
Candidate Starts for Fred313_27:
(Start: 156 @19652 has 559 MA's), (Start: 204 @19712 has 1 MA's), (254, 19781), (Start: 303 @19883 has 11 MA's), (323, 19895), (325, 19898), (367, 19973), (376, 19988), (379, 19991), (402, 20027), (475, 20162), (508, 20231), (567, 20345), (615, 20471), (674, 20585), (683, 20609), (687, 20621), (689, 20627), (731, 20708), (762, 20783), (767, 20801), (769, 20810), (775, 20834), (777, 20840), (782, 20855), (803, 20897), (819, 20924), (820, 20933), (821, 20936), (828, 20957), (831, 20969), (899, 21182), (943, 21287), (945, 21293), (992, 21428),

Gene: FreddyB_16 Start: 14816, Stop: 16525, Start Num: 142
Candidate Starts for FreddyB_16:
(Start: 142 @14816 has 207 MA's), (215, 14903), (Start: 249 @14948 has 2 MA's), (258, 14972), (299, 15077), (301, 15083), (309, 15101), (332, 15131), (390, 15236), (422, 15296), (434, 15317), (437, 15326), (450, 15350), (558, 15476), (564, 15491), (566, 15497), (580, 15533), (582, 15536), (589,

15548), (591, 15554), (605, 15602), (611, 15614), (614, 15620), (648, 15680), (653, 15692), (666, 15728), (670, 15740), (700, 15815), (704, 15824), (713, 15842), (715, 15848), (730, 15878), (806, 15983), (812, 15995), (825, 16031), (847, 16109), (885, 16229), (896, 16262), (911, 16292), (919, 16322), (924, 16331), (928, 16337), (944, 16352), (945, 16355), (955, 16379), (968, 16409), (973, 16421), (980, 16451), (992, 16493),

Gene: Fribs8_19 Start: 16521, Stop: 18215, Start Num: 151
Candidate Starts for Fribs8_19:
(Start: 151 @16521 has 50 MA's), (Start: 167 @16533 has 22 MA's), (241, 16635), (341, 16806), (342, 16809), (367, 16854), (395, 16899), (421, 16947), (445, 16992), (495, 17094), (525, 17127), (530, 17139), (534, 17142), (553, 17199), (567, 17232), (572, 17247), (583, 17274), (598, 17313), (637, 17355), (644, 17364), (666, 17409), (674, 17433), (688, 17472), (730, 17553), (736, 17571), (740, 17580), (744, 17589), (767, 17646), (769, 17655), (835, 17787), (837, 17793), (853, 17814), (878, 17886), (879, 17889), (914, 17985), (925, 18012), (931, 18021), (933, 18024), (945, 18054), (972, 18117),

Gene: Frickyeah_20 Start: 16428, Stop: 18125, Start Num: 156
Candidate Starts for Frickyeah_20:
(122, 16389), (Start: 156 @16428 has 559 MA's), (Start: 169 @16440 has 3 MA's), (223, 16518), (238, 16539), (266, 16587), (271, 16596), (286, 16638), (323, 16674), (346, 16731), (362, 16752), (377, 16779), (393, 16806), (473, 16947), (495, 17004), (522, 17031), (525, 17037), (543, 17085), (557, 17115), (570, 17151), (579, 17178), (581, 17181), (602, 17232), (636, 17259), (637, 17262), (654, 17289), (666, 17316), (691, 17388), (710, 17427), (743, 17481), (761, 17523), (783, 17598), (824, 17661), (832, 17688), (837, 17706), (875, 17790), (878, 17799), (879, 17802), (881, 17808), (887, 17823), (897, 17853), (900, 17859), (909, 17880), (911, 17883), (933, 17937), (945, 17967), (948, 17976), (970, 18027), (980, 18060), (984, 18072), (989, 18090),

Gene: Frizzle_17 Start: 14350, Stop: 15954, Start Num: 227
Candidate Starts for Frizzle_17:
(74, 14044), (210, 14323), (Start: 227 @14350 has 45 MA's), (353, 14605), (360, 14608), (361, 14611), (374, 14635), (380, 14641), (403, 14683), (553, 14905), (563, 14929), (564, 14932), (565, 14935), (591, 14995), (626, 15106), (628, 15109), (663, 15166), (675, 15205), (677, 15211), (727, 15346), (744, 15391), (758, 15421), (881, 15652), (892, 15685), (915, 15745), (925, 15769), (994, 15937), (998, 15943),

Gene: FroggyToad_17 Start: 14704, Stop: 16413, Start Num: 216
Candidate Starts for FroggyToad_17:
(115, 14569), (Start: 216 @14704 has 31 MA's), (243, 14746), (278, 14821), (304, 14893), (305, 14896), (347, 14971), (376, 15025), (406, 15067), (417, 15094), (423, 15106), (439, 15136), (469, 15184), (471, 15187), (488, 15232), (547, 15373), (583, 15454), (613, 15514), (634, 15526), (663, 15562), (691, 15643), (704, 15679), (722, 15712), (731, 15736), (762, 15808), (768, 15832), (875, 16066), (880, 16081), (894, 16123), (931, 16216), (933, 16219), (951, 16267), (965, 16297), (976, 16333),

Gene: Froghopper_28 Start: 21057, Stop: 22859, Start Num: 159
Candidate Starts for Froghopper_28:
(Start: 159 @21057 has 217 MA's), (Start: 176 @21078 has 45 MA's), (Start: 204 @21120 has 1 MA's), (237, 21165), (367, 21381), (395, 21426), (402, 21435), (421, 21474), (448, 21525), (449, 21528), (495, 21621), (556, 21723), (581, 21792), (674, 21993), (675, 21996), (683, 22017), (730, 22113), (731, 22116), (733, 22122), (762, 22191), (767, 22209), (769, 22218), (777, 22248), (821, 22344), (831, 22377), (835, 22392), (879, 22533), (899, 22590), (945, 22701),

Gene: Frokostdame_19 Start: 16616, Stop: 18265, Start Num: 227

Candidate Starts for Frokostdame_19:
(203, 16580), (Start: 227 @16616 has 45 MA's), (236, 16625), (283, 16721), (318, 16799), (374, 16898), (396, 16937), (435, 17018), (468, 17072), (475, 17087), (554, 17171), (591, 17258), (600, 17288), (677, 17471), (686, 17495), (700, 17546), (739, 17639), (744, 17651), (765, 17696), (799, 17711), (812, 17738), (843, 17843), (844, 17846), (875, 17945), (881, 17963), (899, 18014), (921, 18074), (925, 18080), (968, 18155),

Gene: Frosty24_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Frosty24_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Fruitloop_16 Start: 14838, Stop: 16547, Start Num: 142
Candidate Starts for Fruitloop_16:
(Start: 142 @14838 has 207 MA's), (215, 14925), (Start: 249 @14970 has 2 MA's), (258, 14994), (299, 15099), (301, 15105), (309, 15123), (332, 15153), (390, 15258), (422, 15318), (434, 15339), (437, 15348), (447, 15366), (450, 15372), (558, 15498), (564, 15513), (566, 15519), (580, 15555), (582, 15558), (589, 15570), (591, 15576), (605, 15624), (611, 15636), (614, 15642), (648, 15702), (653, 15714), (666, 15750), (670, 15762), (700, 15837), (704, 15846), (713, 15864), (715, 15870), (730, 15900), (806, 16005), (810, 16014), (812, 16017), (825, 16053), (847, 16131), (878, 16230), (885, 16251), (896, 16284), (911, 16314), (919, 16344), (924, 16353), (928, 16359), (944, 16374), (945, 16377), (955, 16401), (968, 16431), (973, 16443), (980, 16473), (992, 16515),

Gene: Fryberger_53 Start: 27936, Stop: 29621, Start Num: 143
Candidate Starts for Fryberger_53:
(73, 27744), (75, 27753), (76, 27759), (99, 27861), (113, 27891), (Start: 143 @27936 has 6 MA's), (256, 28077), (344, 28236), (377, 28290), (465, 28446), (524, 28545), (543, 28593), (567, 28650), (572, 28665), (635, 28755), (692, 28893), (730, 28956), (767, 29052), (800, 29103), (801, 29106), (807, 29118), (835, 29193), (840, 29208), (878, 29292), (909, 29373), (990, 29589), (994, 29607),

Gene: FuegoCuervo_37 Start: 29287, Stop: 31050, Start Num: 111
Candidate Starts for FuegoCuervo_37:
(104, 29269), (Start: 111 @29287 has 74 MA's), (Start: 131 @29323 has 1 MA's), (238, 29461), (285, 29557), (289, 29566), (340, 29635), (367, 29686), (395, 29731), (406, 29746), (448, 29827), (475, 29872), (478, 29881), (535, 29971), (543, 30001), (550, 30016), (562, 30040), (571, 30070), (641, 30175), (689, 30292), (695, 30310), (699, 30325), (723, 30355), (730, 30367), (731, 30370), (740, 30397), (878, 30718), (879, 30721), (880, 30724), (896, 30772), (909, 30799), (917, 30826), (943, 30880), (952, 30907), (994, 31036),

Gene: Fugax_33 Start: 26575, Stop: 28341, Start Num: 111
Candidate Starts for Fugax_33:
(93, 26533), (Start: 111 @26575 has 74 MA's), (Start: 131 @26611 has 1 MA's), (Start: 159 @26644 has 217 MA's), (287, 26854), (289, 26857), (323, 26887), (351, 26953), (367, 26977), (372, 26986), (393, 27019), (478, 27172), (495, 27211), (535, 27262), (539, 27274), (543, 27292), (548, 27304), (553, 27316), (562, 27331), (571, 27361), (572, 27364), (579, 27385), (636, 27457), (663, 27505), (699, 27616), (724, 27649), (743, 27691), (769, 27763), (803, 27829), (809, 27841), (879, 28012), (880, 28015), (896, 28063), (909, 28090), (917, 28117), (943, 28171), (984, 28288), (990, 28309), (1000, 28336),

Gene: Fulbright_18 Start: 14986, Stop: 16695, Start Num: 147
Candidate Starts for Fulbright_18:
(Start: 147 @14986 has 120 MA's), (Start: 171 @15013 has 28 MA's), (Start: 249 @15118 has 2 MA's), (252, 15130), (269, 15166), (290, 15217), (299, 15247), (301, 15253), (320, 15280), (324, 15286), (390, 15406), (419, 15460), (422, 15466), (432, 15484), (437, 15496), (438, 15499), (450, 15520), (475, 15562), (535, 15595), (558, 15646), (564, 15661), (580, 15703), (589, 15718), (591, 15724), (605, 15772), (616, 15796), (625, 15826), (648, 15850), (670, 15910), (674, 15922), (693, 15976), (700, 15985), (727, 16045), (730, 16048), (806, 16153), (810, 16162), (825, 16201), (866, 16339), (918, 16489), (919, 16492), (924, 16501), (944, 16522), (955, 16549), (971, 16585), (998, 16678),

Gene: Funston_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Funston_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Fury_50 Start: 30682, Stop: 32301, Start Num: 202
Candidate Starts for Fury_50:
(Start: 202 @30682 has 36 MA's), (214, 30697), (242, 30736), (277, 30796), (313, 30880), (417, 31063), (458, 31129), (469, 31144), (485, 31180), (519, 31255), (535, 31285), (536, 31288), (541, 31306), (562, 31345), (571, 31375), (690, 31579), (704, 31609), (728, 31657), (730, 31660), (773, 31783), (785, 31819), (885, 32005), (957, 32158), (976, 32212), (980, 32224), (984, 32236), (998, 32281),

Gene: Fushigi_28 Start: 21514, Stop: 23316, Start Num: 159
Candidate Starts for Fushigi_28:
(Start: 159 @21514 has 217 MA's), (Start: 176 @21535 has 45 MA's), (Start: 204 @21577 has 1 MA's), (237, 21622), (367, 21838), (395, 21883), (402, 21892), (421, 21931), (448, 21982), (449, 21985), (469, 22015), (556, 22180), (581, 22249), (674, 22450), (675, 22453), (683, 22474), (730, 22570), (731, 22573), (733, 22579), (762, 22648), (767, 22666), (769, 22675), (777, 22705), (821, 22801), (831, 22834), (835, 22849), (879, 22990), (899, 23047), (945, 23158),

Gene: GAL1_20 Start: 16985, Stop: 18748, Start Num: 170
Candidate Starts for GAL1_20:
(Start: 160 @16976 has 2 MA's), (170, 16985), (230, 17072), (255, 17108), (277, 17159), (286, 17183), (289, 17189), (308, 17249), (312, 17264), (344, 17339), (346, 17345), (386, 17414), (406, 17444), (417, 17471), (421, 17477), (435, 17507), (445, 17525), (460, 17552), (467, 17561), (473, 17570), (475, 17576), (477, 17582), (488, 17612), (523, 17654), (535, 17675), (537, 17681), (540, 17693), (568, 17759), (575, 17786), (577, 17789), (663, 17915), (683, 17975), (694, 18011), (730, 18071), (731, 18074), (737, 18092), (740, 18101), (767, 18167), (769, 18176), (826, 18290), (835, 18323), (840, 18338), (851, 18347), (868, 18395), (879, 18425), (899, 18482), (901, 18485), (904, 18494), (919, 18536), (943, 18581), (945, 18587), (954, 18611), (957, 18617), (967, 18638), (983, 18692), (990, 18716), (994, 18734), (1000, 18743),

Gene: GEazy_19 Start: 16647, Stop: 18377, Start Num: 151
Candidate Starts for GEazy_19:
(85, 16527), (122, 16611), (Start: 151 @16647 has 50 MA's), (241, 16767), (283, 16851), (Start: 303 @16884 has 11 MA's), (333, 16917), (377, 17001), (484, 17202), (506, 17244), (535, 17280), (543,

17310), (553, 17334), (570, 17376), (579, 17403), (581, 17406), (619, 17460), (622, 17466), (670, 17553), (825, 17913), (832, 17937), (837, 17955), (879, 18051), (885, 18069), (949, 18228), (981, 18315), (989, 18342),

Gene: GMA1_19 Start: 15927, Stop: 17480, Start Num: 226
Candidate Starts for GMA1_19:
(108, 15795), (Start: 226 @15927 has 1 MA's), (272, 16008), (291, 16050), (323, 16116), (327, 16125), (329, 16128), (339, 16131), (358, 16179), (367, 16197), (369, 16200), (469, 16365), (483, 16401), (488, 16413), (491, 16425), (583, 16530), (590, 16542), (599, 16569), (688, 16719), (714, 16788), (730, 16824), (772, 16938), (773, 16944), (789, 16974), (814, 16983), (828, 17019), (831, 17031), (849, 17067), (858, 17079), (894, 17190), (899, 17202), (933, 17277), (945, 17310), (948, 17322), (967, 17364), (971, 17373), (988, 17436),

Gene: GMA2_30 Start: 31614, Stop: 33245, Start Num: 177
Candidate Starts for GMA2_30:
(Start: 177 @31614 has 11 MA's), (278, 31785), (296, 31833), (301, 31848), (328, 31893), (420, 32064), (437, 32100), (442, 32109), (446, 32115), (447, 32118), (452, 32130), (578, 32250), (624, 32367), (651, 32412), (733, 32613), (740, 32634), (746, 32649), (806, 32709), (834, 32787), (840, 32808), (842, 32817), (858, 32865), (978, 33171), (992, 33219),

Gene: GMonster_26 Start: 20497, Stop: 22278, Start Num: 176
Candidate Starts for GMonster_26:
(Start: 159 @20476 has 217 MA's), (Start: 176 @20497 has 45 MA's), (Start: 204 @20539 has 1 MA's), (237, 20584), (367, 20800), (395, 20845), (402, 20854), (448, 20944), (449, 20947), (465, 20971), (495, 21040), (556, 21142), (581, 21211), (670, 21400), (674, 21412), (675, 21415), (683, 21436), (730, 21532), (731, 21535), (733, 21541), (762, 21610), (767, 21628), (769, 21637), (777, 21667), (821, 21763), (831, 21796), (835, 21811), (879, 21952), (899, 22009), (945, 22120),

Gene: GRU1_31 Start: 23089, Stop: 24708, Start Num: 202
Candidate Starts for GRU1_31:
(Start: 202 @23089 has 36 MA's), (214, 23104), (Start: 231 @23125 has 1 MA's), (277, 23203), (343, 23341), (417, 23470), (433, 23500), (453, 23527), (458, 23536), (469, 23551), (519, 23662), (535, 23692), (536, 23695), (562, 23752), (687, 23977), (704, 24016), (728, 24064), (773, 24190), (785, 24226), (833, 24283), (861, 24337), (885, 24412), (948, 24544), (976, 24619), (980, 24631), (984, 24643), (986, 24652), (998, 24688),

Gene: GTE2_16 Start: 15173, Stop: 16768, Start Num: 235
Candidate Starts for GTE2_16:
(Start: 141 @15068 has 37 MA's), (Start: 151 @15071 has 50 MA's), (235, 15173), (241, 15185), (287, 15281), (344, 15365), (400, 15455), (430, 15515), (445, 15542), (462, 15572), (465, 15575), (477, 15599), (488, 15629), (495, 15644), (525, 15677), (530, 15689), (534, 15692), (540, 15713), (567, 15782), (571, 15794), (590, 15836), (666, 15959), (731, 16109), (736, 16124), (744, 16142), (767, 16199), (835, 16340), (837, 16346), (841, 16358), (853, 16367), (878, 16439), (879, 16442), (881, 16448), (885, 16460), (919, 16553), (925, 16565), (931, 16574), (945, 16607),

Gene: GTE5_32 Start: 24044, Stop: 25663, Start Num: 202
Candidate Starts for GTE5_32:
(Start: 202 @24044 has 36 MA's), (214, 24059), (Start: 231 @24080 has 1 MA's), (277, 24158), (417, 24425), (433, 24455), (453, 24482), (458, 24491), (469, 24506), (519, 24617), (535, 24647), (536, 24650), (562, 24707), (663, 24884), (687, 24932), (704, 24971), (708, 24980), (728, 25019), (773, 25145), (785, 25181), (833, 25238), (861, 25292), (885, 25367), (948, 25499), (976, 25574), (980, 25586), (984, 25598), (986, 25607), (998, 25643),

Gene: GTE6_32 Start: 28048, Stop: 29667, Start Num: 185
Candidate Starts for GTE6_32:
(Start: 185 @28048 has 10 MA's), (201, 28069), (247, 28132), (296, 28255), (300, 28267), (332, 28324), (373, 28402), (438, 28525), (567, 28639), (578, 28669), (596, 28711), (621, 28774), (648, 28822), (651, 28831), (670, 28882), (688, 28930), (761, 29095), (806, 29125), (840, 29224), (842, 29233), (843, 29236), (858, 29281), (873, 29338), (875, 29344), (877, 29350), (893, 29398), (896, 29407), (899, 29413), (901, 29416), (919, 29467), (948, 29512), (974, 29581), (989, 29629), (992, 29641),

Gene: GTE8_30 Start: 24084, Stop: 25697, Start Num: 202
Candidate Starts for GTE8_30:
(Start: 202 @24084 has 36 MA's), (Start: 231 @24120 has 1 MA's), (277, 24198), (406, 24438), (410, 24450), (417, 24465), (458, 24531), (469, 24546), (481, 24570), (519, 24657), (535, 24687), (536, 24690), (556, 24735), (562, 24747), (576, 24795), (577, 24798), (590, 24819), (686, 24969), (704, 25011), (773, 25185), (785, 25221), (860, 25329), (861, 25332), (885, 25407), (980, 25626), (998, 25683),

Gene: GUmbie_16 Start: 14805, Stop: 16514, Start Num: 142
Candidate Starts for GUmbie_16:
(Start: 142 @14805 has 207 MA's), (215, 14892), (Start: 249 @14937 has 2 MA's), (258, 14961), (299, 15066), (301, 15072), (309, 15090), (332, 15120), (390, 15225), (419, 15279), (422, 15285), (425, 15294), (434, 15306), (437, 15315), (450, 15339), (473, 15375), (475, 15381), (482, 15393), (535, 15414), (536, 15417), (539, 15426), (544, 15441), (546, 15447), (558, 15465), (564, 15480), (566, 15486), (572, 15504), (573, 15507), (580, 15522), (589, 15537), (591, 15543), (600, 15573), (605, 15591), (611, 15603), (614, 15609), (648, 15669), (653, 15681), (666, 15717), (670, 15729), (677, 15750), (700, 15804), (704, 15813), (715, 15837), (730, 15867), (806, 15972), (812, 15984), (825, 16020), (836, 16059), (847, 16098), (878, 16197), (885, 16218), (896, 16251), (911, 16281), (919, 16311), (924, 16320), (928, 16326), (944, 16341), (945, 16344), (953, 16365), (955, 16368), (973, 16410), (980, 16440), (992, 16482), (993, 16488),

Gene: Gabriela_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for Gabriela_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Gadost_27 Start: 19831, Stop: 21609, Start Num: 156
Candidate Starts for Gadost_27:
(Start: 136 @19807 has 48 MA's), (Start: 156 @19831 has 559 MA's), (Start: 204 @19888 has 1 MA's), (241, 19942), (254, 19957), (Start: 260 @19975 has 1 MA's), (Start: 303 @20059 has 11 MA's), (323, 20071), (325, 20074), (367, 20149), (376, 20164), (402, 20203), (465, 20320), (508, 20407), (550, 20488), (572, 20536), (581, 20560), (615, 20647), (644, 20692), (675, 20764), (683, 20785), (689, 20803), (731, 20884), (767, 20977), (769, 20986), (775, 21010), (777, 21016), (784, 21040), (821, 21094), (828, 21115), (842, 21166), (850, 21190), (867, 21244), (899, 21340), (943, 21445), (948, 21460), (987, 21568), (992, 21586),

Gene: Gaea_34 Start: 29484, Stop: 31247, Start Num: 111
Candidate Starts for Gaea_34:
(Start: 111 @29484 has 74 MA's), (Start: 131 @29520 has 1 MA's), (232, 29649), (238, 29658), (285, 29754), (289, 29763), (340, 29832), (367, 29883), (372, 29892), (395, 29928), (406, 29943), (414,

29961), (448, 30024), (475, 30069), (478, 30078), (543, 30198), (550, 30213), (553, 30222), (562, 30237), (571, 30267), (689, 30489), (695, 30507), (699, 30522), (730, 30564), (731, 30567), (740, 30594), (785, 30714), (833, 30807), (879, 30918), (880, 30921), (896, 30969), (909, 30996), (917, 31023), (943, 31077), (952, 31104),

Gene: Gage_26 Start: 19820, Stop: 21415, Start Num: 212
Candidate Starts for Gage_26:
(Start: 147 @19736 has 120 MA's), (Start: 212 @19820 has 47 MA's), (Start: 260 @19898 has 1 MA's), (296, 19985), (301, 20000), (332, 20048), (349, 20087), (405, 20174), (420, 20207), (437, 20243), (454, 20273), (457, 20279), (538, 20348), (561, 20378), (565, 20390), (566, 20393), (591, 20450), (650, 20582), (651, 20588), (675, 20654), (677, 20660), (686, 20684), (704, 20732), (715, 20756), (721, 20765), (754, 20840), (810, 20891), (819, 20906), (867, 21068), (875, 21095), (885, 21125), (926, 21230), (971, 21308), (980, 21344), (983, 21353), (992, 21386), (998, 21401),

Gene: GageAP_29 Start: 21828, Stop: 23630, Start Num: 159
Candidate Starts for GageAP_29:
(Start: 159 @21828 has 217 MA's), (Start: 176 @21849 has 45 MA's), (Start: 204 @21891 has 1 MA's), (237, 21936), (367, 22152), (395, 22197), (402, 22206), (421, 22245), (448, 22296), (449, 22299), (556, 22494), (581, 22563), (674, 22764), (675, 22767), (683, 22788), (730, 22884), (731, 22887), (733, 22893), (762, 22962), (767, 22980), (769, 22989), (777, 23019), (821, 23115), (831, 23148), (835, 23163), (879, 23304), (899, 23361), (945, 23472), (1000, 23625),

Gene: Gaia_16 Start: 15059, Stop: 16948, Start Num: 162
Candidate Starts for Gaia_16:
(Start: 162 @15059 has 5 MA's), (168, 15068), (Start: 183 @15089 has 17 MA's), (237, 15158), (248, 15176), (256, 15194), (277, 15248), (291, 15284), (295, 15299), (296, 15302), (329, 15362), (367, 15455), (395, 15500), (400, 15506), (404, 15512), (414, 15533), (419, 15545), (445, 15593), (469, 15632), (471, 15635), (473, 15638), (485, 15674), (491, 15692), (502, 15719), (507, 15728), (536, 15767), (541, 15785), (564, 15833), (577, 15875), (600, 15929), (602, 15935), (604, 15941), (616, 15971), (629, 16010), (630, 16019), (644, 16043), (649, 16049), (682, 16139), (687, 16154), (718, 16220), (731, 16250), (751, 16298), (761, 16322), (762, 16325), (769, 16352), (786, 16412), (794, 16433), (813, 16454), (829, 16502), (832, 16514), (858, 16559), (875, 16619), (911, 16715), (912, 16721), (925, 16745), (933, 16757), (942, 16766), (948, 16784), (971, 16835), (984, 16883), (986, 16892), (989, 16901), (991, 16910), (992, 16913), (1004, 16940),

Gene: Gail_28 Start: 19405, Stop: 21204, Start Num: 156
Candidate Starts for Gail_28:
(Start: 153 @19402 has 9 MA's), (Start: 156 @19405 has 559 MA's), (259, 19540), (289, 19609), (325, 19642), (366, 19714), (367, 19717), (379, 19735), (406, 19777), (465, 19888), (475, 19906), (484, 19933), (488, 19942), (508, 19975), (546, 20050), (550, 20056), (556, 20059), (575, 20119), (617, 20221), (636, 20248), (669, 20308), (675, 20332), (689, 20371), (731, 20452), (803, 20650), (835, 20737), (837, 20743), (866, 20836), (943, 21040), (945, 21046),

Gene: Galactic_16 Start: 14803, Stop: 16512, Start Num: 142
Candidate Starts for Galactic_16:
(Start: 142 @14803 has 207 MA's), (215, 14890), (Start: 249 @14935 has 2 MA's), (258, 14959), (299, 15064), (301, 15070), (309, 15088), (332, 15118), (390, 15223), (422, 15283), (434, 15304), (437, 15313), (450, 15337), (558, 15463), (564, 15478), (566, 15484), (580, 15520), (582, 15523), (589, 15535), (591, 15541), (605, 15589), (611, 15601), (614, 15607), (648, 15667), (653, 15679), (666, 15715), (670, 15727), (700, 15802), (704, 15811), (713, 15829), (715, 15835), (730, 15865), (806, 15970), (810, 15979), (812, 15982), (825, 16018), (847, 16096), (878, 16195), (885, 16216), (896, 16249), (911, 16279), (919, 16309), (924, 16318), (928, 16324), (944, 16339), (945, 16342), (955, 16366), (968, 16396), (973, 16408), (980, 16438), (992, 16480),

Gene: Galadriel_35 Start: 31231, Stop: 32994, Start Num: 111
Candidate Starts for Galadriel_35:
(104, 31213), (Start: 111 @31231 has 74 MA's), (Start: 131 @31267 has 1 MA's), (238, 31405), (285, 31501), (289, 31510), (340, 31579), (367, 31630), (395, 31675), (406, 31690), (448, 31771), (475, 31816), (478, 31825), (535, 31915), (543, 31945), (550, 31960), (562, 31984), (571, 32014), (641, 32119), (689, 32236), (695, 32254), (699, 32269), (723, 32299), (730, 32311), (731, 32314), (740, 32341), (879, 32665), (880, 32668), (896, 32716), (909, 32743), (917, 32770), (943, 32824), (951, 32848), (952, 32851), (984, 32941), (1000, 32989),

Gene: Gambino_21 Start: 16962, Stop: 18611, Start Num: 227
Candidate Starts for Gambino_21:
(203, 16926), (Start: 227 @16962 has 45 MA's), (236, 16971), (283, 17067), (318, 17145), (360, 17217), (374, 17244), (396, 17283), (435, 17364), (468, 17418), (591, 17604), (600, 17634), (645, 17733), (677, 17817), (686, 17841), (700, 17892), (739, 17985), (744, 17997), (765, 18042), (799, 18057), (843, 18189), (844, 18192), (875, 18291), (881, 18309), (899, 18360), (921, 18420), (925, 18426), (968, 18501),

Gene: Gancho_21 Start: 17127, Stop: 18869, Start Num: 176
Candidate Starts for Gancho_21:
(82, 16953), (Start: 176 @17127 has 45 MA's), (Start: 181 @17136 has 15 MA's), (240, 17217), (248, 17229), (258, 17253), (263, 17265), (272, 17286), (277, 17301), (307, 17379), (342, 17451), (382, 17541), (427, 17625), (433, 17634), (445, 17655), (479, 17721), (490, 17748), (506, 17781), (527, 17799), (536, 17817), (537, 17820), (541, 17835), (542, 17838), (571, 17904), (572, 17907), (599, 17973), (632, 17997), (671, 18084), (690, 18138), (715, 18183), (720, 18189), (731, 18216), (749, 18261), (779, 18354), (782, 18363), (831, 18441), (889, 18585), (894, 18603), (899, 18615), (907, 18630), (908, 18633), (915, 18654), (951, 18714), (967, 18747), (969, 18753), (971, 18756), (989, 18822), (1004, 18861),

Gene: Gandalf20_28 Start: 21933, Stop: 23735, Start Num: 159
Candidate Starts for Gandalf20_28:
(Start: 159 @21933 has 217 MA's), (Start: 176 @21954 has 45 MA's), (Start: 204 @21996 has 1 MA's), (237, 22041), (367, 22257), (395, 22302), (402, 22311), (421, 22350), (448, 22401), (449, 22404), (556, 22599), (581, 22668), (674, 22869), (675, 22872), (683, 22893), (730, 22989), (731, 22992), (733, 22998), (762, 23067), (767, 23085), (769, 23094), (777, 23124), (821, 23220), (831, 23253), (835, 23268), (879, 23409), (899, 23466), (945, 23577),

Gene: Gandalph_16 Start: 14822, Stop: 16531, Start Num: 142
Candidate Starts for Gandalph_16:
(Start: 142 @14822 has 207 MA's), (215, 14909), (Start: 249 @14954 has 2 MA's), (258, 14978), (299, 15083), (301, 15089), (309, 15107), (332, 15137), (390, 15242), (419, 15296), (422, 15302), (425, 15311), (434, 15323), (437, 15332), (450, 15356), (473, 15392), (475, 15398), (482, 15410), (535, 15431), (536, 15434), (539, 15443), (544, 15458), (546, 15464), (558, 15482), (564, 15497), (566, 15503), (572, 15521), (573, 15524), (580, 15539), (582, 15542), (589, 15554), (591, 15560), (605, 15608), (611, 15620), (614, 15626), (648, 15686), (653, 15698), (666, 15734), (670, 15746), (677, 15767), (700, 15821), (704, 15830), (713, 15848), (715, 15854), (730, 15884), (806, 15989), (810, 15998), (812, 16001), (825, 16037), (836, 16076), (847, 16115), (878, 16214), (885, 16235), (896, 16268), (911, 16298), (919, 16328), (924, 16337), (928, 16343), (944, 16358), (945, 16361), (955, 16385), (968, 16415), (973, 16427), (980, 16457), (992, 16499),

Gene: Ganymede_24 Start: 17168, Stop: 18934, Start Num: 178
Candidate Starts for Ganymede_24:

(Start: 178 @17168 has 139 MA's), (198, 17198), (284, 17357), (295, 17390), (311, 17420), (329, 17453), (335, 17465), (371, 17555), (400, 17597), (436, 17669), (441, 17678), (465, 17717), (484, 17762), (491, 17783), (492, 17786), (527, 17840), (536, 17858), (551, 17900), (557, 17906), (567, 17933), (647, 18071), (656, 18089), (670, 18131), (676, 18149), (688, 18179), (702, 18206), (751, 18311), (821, 18470), (832, 18506), (853, 18545), (879, 18620), (896, 18671), (983, 18866), (993, 18905), (994, 18908), (1004, 18926),

Gene: Garak_32 Start: 19977, Stop: 21749, Start Num: 156
Candidate Starts for Garak_32:
(110, 19911), (Start: 136 @19953 has 48 MA's), (Start: 156 @19977 has 559 MA's), (325, 20214), (366, 20286), (367, 20289), (376, 20304), (402, 20343), (406, 20349), (465, 20460), (469, 20466), (484, 20505), (508, 20547), (536, 20586), (550, 20628), (556, 20631), (615, 20787), (684, 20928), (689, 20943), (777, 21156), (828, 21255), (835, 21282), (852, 21333), (855, 21342), (866, 21381), (867, 21384), (943, 21585), (945, 21591), (992, 21726),

Gene: Gardann_18 Start: 16994, Stop: 18727, Start Num: 175
Candidate Starts for Gardann_18:
(Start: 175 @16994 has 56 MA's), (223, 17063), (295, 17204), (296, 17207), (327, 17252), (343, 17285), (346, 17294), (366, 17330), (400, 17384), (414, 17411), (419, 17423), (445, 17474), (448, 17480), (469, 17513), (546, 17666), (562, 17690), (564, 17699), (579, 17744), (588, 17759), (636, 17837), (686, 17957), (712, 18020), (746, 18092), (764, 18128), (824, 18248), (826, 18254), (830, 18266), (860, 18329), (888, 18416), (896, 18443), (925, 18512), (935, 18527), (943, 18539), (951, 18563), (977, 18641),

Gene: GardenSalsa_32 Start: 22870, Stop: 24651, Start Num: 119
Candidate Starts for GardenSalsa_32:
(Start: 119 @22870 has 3 MA's), (Start: 128 @22885 has 2 MA's), (Start: 161 @22912 has 14 MA's), (Start: 219 @22990 has 2 MA's), (223, 22996), (237, 23014), (323, 23176), (327, 23185), (338, 23200), (382, 23287), (389, 23299), (395, 23308), (445, 23404), (451, 23416), (471, 23446), (473, 23449), (484, 23482), (552, 23611), (562, 23626), (567, 23644), (575, 23674), (669, 23836), (670, 23845), (674, 23857), (676, 23863), (716, 23962), (724, 23971), (730, 23980), (758, 24049), (808, 24142), (824, 24181), (826, 24187), (829, 24196), (969, 24541), (977, 24568), (979, 24574), (992, 24619),

Gene: Gator_22 Start: 19361, Stop: 21040, Start Num: 147
Candidate Starts for Gator_22:
(Start: 147 @19361 has 120 MA's), (Start: 212 @19445 has 47 MA's), (Start: 260 @19523 has 1 MA's), (296, 19610), (301, 19625), (332, 19673), (349, 19712), (405, 19799), (420, 19832), (437, 19868), (454, 19898), (457, 19904), (538, 19973), (561, 20003), (565, 20015), (566, 20018), (591, 20075), (650, 20207), (651, 20213), (675, 20279), (677, 20285), (686, 20309), (704, 20357), (715, 20381), (721, 20390), (754, 20465), (810, 20516), (819, 20531), (867, 20693), (875, 20720), (885, 20750), (926, 20855), (971, 20933), (980, 20969), (983, 20978), (992, 21011), (998, 21026),

Gene: Gattaca_49 Start: 26580, Stop: 28292, Start Num: 175
Candidate Starts for Gattaca_49:
(122, 26517), (Start: 175 @26580 has 56 MA's), (Start: 233 @26661 has 1 MA's), (266, 26718), (296, 26799), (298, 26805), (339, 26862), (342, 26874), (346, 26886), (367, 26925), (376, 26940), (417, 27009), (445, 27063), (449, 27072), (539, 27228), (562, 27276), (564, 27285), (567, 27294), (581, 27333), (590, 27348), (636, 27411), (644, 27423), (689, 27540), (690, 27543), (712, 27594), (729, 27621), (731, 27624), (738, 27645), (758, 27687), (820, 27807), (826, 27825), (881, 27969), (896, 28014), (905, 28032), (942, 28116), (945, 28125), (951, 28143), (961, 28164), (977, 28209), (979, 28215), (983, 28227), (986, 28239), (992, 28260), (998, 28275), (1002, 28281),

Gene: GaugeLDP_30 Start: 21466, Stop: 23238, Start Num: 156

Candidate Starts for GaugeLDP_30:
(Start: 136 @21442 has 48 MA's), (Start: 156 @21466 has 559 MA's), (259, 21601), (323, 21700), (325, 21703), (367, 21778), (379, 21796), (402, 21832), (406, 21838), (430, 21889), (465, 21949), (484, 21994), (508, 22036), (542, 22096), (550, 22117), (556, 22120), (615, 22276), (674, 22390), (675, 22393), (731, 22513), (775, 22639), (777, 22645), (825, 22735), (828, 22744), (835, 22771), (842, 22795), (866, 22870), (867, 22873), (869, 22885), (899, 22969), (934, 23050), (943, 23074), (945, 23080), (968, 23134), (992, 23215),

Gene: Gavriela_19 Start: 16273, Stop: 18009, Start Num: 137
Candidate Starts for Gavriela_19:
(Start: 121 @16249 has 6 MA's), (Start: 137 @16273 has 45 MA's), (Start: 186 @16333 has 1 MA's), (198, 16354), (201, 16357), (274, 16477), (290, 16516), (300, 16549), (317, 16573), (382, 16693), (405, 16732), (407, 16738), (447, 16822), (450, 16828), (457, 16840), (473, 16864), (485, 16891), (538, 16909), (555, 16948), (558, 16954), (567, 16978), (591, 17032), (594, 17044), (597, 17053), (621, 17113), (658, 17191), (670, 17230), (682, 17263), (704, 17329), (715, 17353), (726, 17377), (740, 17407), (822, 17521), (827, 17533), (830, 17542), (832, 17551), (865, 17659), (892, 17743), (937, 17842), (983, 17950), (998, 17998),

Gene: Geeche_47 Start: 29431, Stop: 31122, Start Num: 165
Candidate Starts for Geeche_47:
(Start: 165 @29431 has 14 MA's), (207, 29491), (229, 29524), (250, 29557), (299, 29683), (317, 29716), (322, 29725), (392, 29854), (418, 29902), (591, 30115), (592, 30121), (600, 30145), (661, 30274), (666, 30295), (677, 30328), (754, 30526), (844, 30679), (875, 30778), (879, 30790), (882, 30799), (913, 30883), (981, 31030), (991, 31066), (994, 31078),

Gene: GemG_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for GemG_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Gemini_27 Start: 20253, Stop: 21932, Start Num: 147
Candidate Starts for Gemini_27:
(Start: 147 @20253 has 120 MA's), (Start: 212 @20337 has 47 MA's), (Start: 260 @20415 has 1 MA's), (296, 20502), (301, 20517), (332, 20565), (349, 20604), (405, 20691), (420, 20724), (437, 20760), (454, 20790), (457, 20796), (538, 20865), (561, 20895), (565, 20907), (566, 20910), (591, 20967), (650, 21099), (651, 21105), (675, 21171), (677, 21177), (686, 21201), (704, 21249), (715, 21273), (721, 21282), (754, 21357), (810, 21408), (819, 21423), (867, 21585), (875, 21612), (885, 21642), (926, 21747), (971, 21825), (980, 21861), (983, 21870), (992, 21903), (998, 21918),

Gene: Gemma_29 Start: 20456, Stop: 22252, Start Num: 156
Candidate Starts for Gemma_29:
(Start: 156 @20456 has 559 MA's), (Start: 204 @20513 has 1 MA's), (215, 20528), (254, 20582), (259, 20597), (Start: 303 @20684 has 11 MA's), (323, 20696), (325, 20699), (367, 20774), (376, 20789), (508, 21032), (581, 21185), (615, 21272), (669, 21365), (674, 21386), (683, 21410), (687, 21422), (689, 21428), (731, 21509), (762, 21584), (767, 21602), (769, 21611), (775, 21635), (777, 21641), (782, 21656), (790, 21680), (820, 21734), (821, 21737), (828, 21758), (943, 22088), (945, 22094), (992, 22229),

Gene: GenevaB15_32 Start: 22915, Stop: 24696, Start Num: 119
Candidate Starts for GenevaB15_32:

(Start: 119 @22915 has 3 MA's), (Start: 128 @22930 has 2 MA's), (Start: 161 @22957 has 14 MA's), (Start: 219 @23035 has 2 MA's), (223, 23041), (237, 23059), (323, 23221), (327, 23230), (338, 23245), (382, 23332), (389, 23344), (395, 23353), (445, 23449), (451, 23461), (471, 23491), (473, 23494), (484, 23527), (552, 23656), (562, 23671), (567, 23689), (669, 23881), (670, 23890), (674, 23902), (676, 23908), (716, 24007), (724, 24016), (730, 24025), (758, 24094), (782, 24172), (808, 24187), (824, 24226), (826, 24232), (969, 24586), (977, 24613), (979, 24619),

Gene: Gengar_21 Start: 17520, Stop: 19292, Start Num: 181
Candidate Starts for Gengar_21:
(Start: 181 @17520 has 15 MA's), (Start: 186 @17526 has 1 MA's), (201, 17550), (228, 17583), (256, 17631), (277, 17685), (295, 17736), (329, 17799), (376, 17907), (436, 18015), (491, 18129), (492, 18132), (512, 18171), (527, 18186), (534, 18198), (536, 18204), (551, 18246), (557, 18252), (571, 18291), (579, 18315), (647, 18417), (671, 18480), (687, 18525), (751, 18660), (782, 18759), (824, 18837), (831, 18861), (837, 18882), (879, 18978), (881, 18984), (951, 19137), (988, 19242), (989, 19245), (993, 19263),

Gene: Geodirt_32 Start: 30217, Stop: 31980, Start Num: 111
Candidate Starts for Geodirt_32:
(104, 30199), (Start: 111 @30217 has 74 MA's), (Start: 131 @30253 has 1 MA's), (238, 30391), (285, 30487), (289, 30496), (340, 30565), (367, 30616), (395, 30661), (406, 30676), (448, 30757), (475, 30802), (478, 30811), (535, 30901), (543, 30931), (550, 30946), (562, 30970), (571, 31000), (641, 31105), (689, 31222), (695, 31240), (699, 31255), (723, 31285), (730, 31297), (731, 31300), (740, 31327), (879, 31651), (880, 31654), (896, 31702), (909, 31729), (917, 31756), (943, 31810), (952, 31837), (1000, 31975),

Gene: George_23 Start: 19658, Stop: 21454, Start Num: 156
Candidate Starts for George_23:
(Start: 156 @19658 has 559 MA's), (241, 19763), (Start: 260 @19796 has 1 MA's), (325, 19895), (367, 19970), (376, 19985), (400, 20021), (436, 20093), (445, 20108), (469, 20147), (479, 20174), (488, 20195), (519, 20234), (567, 20342), (575, 20372), (579, 20378), (644, 20513), (670, 20570), (671, 20573), (674, 20582), (689, 20624), (694, 20642), (730, 20702), (731, 20705), (767, 20798), (769, 20807), (775, 20831), (820, 20939), (831, 20975), (899, 21185), (942, 21287), (945, 21296), (986, 21410), (992, 21431), (994, 21440),

Gene: Georgie2_29 Start: 20109, Stop: 21881, Start Num: 156
Candidate Starts for Georgie2_29:
(110, 20043), (Start: 136 @20085 has 48 MA's), (Start: 156 @20109 has 559 MA's), (238, 20208), (281, 20292), (323, 20343), (325, 20346), (366, 20418), (367, 20421), (402, 20475), (421, 20514), (445, 20559), (465, 20592), (508, 20679), (550, 20760), (556, 20763), (675, 21036), (731, 21156), (775, 21282), (808, 21336), (831, 21399), (835, 21414), (837, 21420), (855, 21474), (866, 21513), (869, 21528), (899, 21612), (945, 21723), (992, 21858),

Gene: Geraldini_23 Start: 17164, Stop: 18930, Start Num: 178
Candidate Starts for Geraldini_23:
(Start: 178 @17164 has 139 MA's), (198, 17194), (284, 17353), (295, 17386), (311, 17416), (329, 17449), (335, 17461), (371, 17551), (400, 17593), (436, 17665), (441, 17674), (465, 17713), (484, 17758), (491, 17779), (492, 17782), (527, 17836), (536, 17854), (551, 17896), (557, 17902), (567, 17929), (647, 18067), (656, 18085), (670, 18127), (676, 18145), (688, 18175), (702, 18202), (751, 18307), (821, 18466), (832, 18502), (853, 18541), (879, 18616), (896, 18667), (983, 18862), (993, 18901), (994, 18904), (1004, 18922),

Gene: Geralt_16 Start: 14805, Stop: 16514, Start Num: 142
Candidate Starts for Geralt_16:

(Start: 142 @14805 has 207 MA's), (215, 14892), (Start: 249 @14937 has 2 MA's), (258, 14961), (299, 15066), (301, 15072), (309, 15090), (332, 15120), (390, 15225), (422, 15285), (434, 15306), (437, 15315), (450, 15339), (558, 15465), (564, 15480), (566, 15486), (580, 15522), (582, 15525), (589, 15537), (591, 15543), (605, 15591), (611, 15603), (614, 15609), (648, 15669), (653, 15681), (666, 15717), (670, 15729), (700, 15804), (704, 15813), (713, 15831), (715, 15837), (730, 15867), (806, 15972), (810, 15981), (812, 15984), (825, 16020), (847, 16098), (878, 16197), (885, 16218), (896, 16251), (911, 16281), (919, 16311), (924, 16320), (928, 16326), (944, 16341), (945, 16344), (955, 16368), (968, 16398), (973, 16410), (980, 16440), (992, 16482),

Gene: Getalong_21 Start: 17225, Stop: 18922, Start Num: 156
Candidate Starts for Getalong_21:
(122, 17186), (Start: 156 @17225 has 559 MA's), (Start: 169 @17237 has 3 MA's), (Start: 171 @17240 has 28 MA's), (Start: 195 @17276 has 1 MA's), (223, 17315), (238, 17336), (261, 17378), (266, 17384), (268, 17387), (273, 17399), (286, 17435), (323, 17471), (346, 17528), (377, 17576), (393, 17603), (448, 17705), (473, 17744), (495, 17801), (506, 17819), (522, 17828), (525, 17834), (543, 17882), (557, 17912), (570, 17948), (572, 17954), (579, 17975), (581, 17978), (602, 18029), (636, 18056), (637, 18059), (654, 18086), (666, 18113), (691, 18185), (710, 18224), (743, 18278), (769, 18350), (783, 18395), (832, 18485), (837, 18503), (875, 18587), (878, 18596), (879, 18599), (881, 18605), (887, 18620), (897, 18650), (900, 18656), (909, 18677), (911, 18680), (933, 18734), (945, 18764), (948, 18773), (970, 18824), (980, 18857), (984, 18869), (989, 18887),

Gene: Gex_18 Start: 14985, Stop: 16694, Start Num: 147
Candidate Starts for Gex_18:
(Start: 147 @14985 has 120 MA's), (Start: 171 @15012 has 28 MA's), (Start: 249 @15117 has 2 MA's), (252, 15129), (269, 15165), (290, 15216), (299, 15246), (301, 15252), (320, 15279), (324, 15285), (390, 15405), (419, 15459), (422, 15465), (432, 15483), (437, 15495), (438, 15498), (450, 15519), (475, 15561), (535, 15594), (558, 15645), (564, 15660), (580, 15702), (589, 15717), (591, 15723), (605, 15771), (616, 15795), (625, 15825), (648, 15849), (670, 15909), (674, 15921), (693, 15975), (700, 15984), (727, 16044), (730, 16047), (806, 16152), (810, 16161), (825, 16200), (866, 16338), (918, 16488), (919, 16491), (924, 16500), (944, 16521), (955, 16548), (971, 16584), (998, 16677),

Gene: Gezellig_32 Start: 25951, Stop: 27759, Start Num: 93
Candidate Starts for Gezellig_32:
(93, 25951), (Start: 111 @25993 has 74 MA's), (Start: 131 @26029 has 1 MA's), (Start: 159 @26062 has 217 MA's), (287, 26272), (289, 26275), (323, 26305), (351, 26371), (367, 26395), (372, 26404), (393, 26437), (478, 26590), (495, 26629), (535, 26680), (539, 26692), (543, 26710), (548, 26722), (553, 26734), (562, 26749), (571, 26779), (572, 26782), (579, 26803), (636, 26875), (663, 26923), (699, 27034), (724, 27067), (740, 27106), (743, 27109), (769, 27181), (803, 27247), (809, 27259), (879, 27430), (880, 27433), (896, 27481), (909, 27508), (917, 27535), (943, 27589), (984, 27706), (990, 27727), (1000, 27754),

Gene: Ghobes_16 Start: 14348, Stop: 15952, Start Num: 227
Candidate Starts for Ghobes_16:
(74, 14042), (210, 14321), (Start: 227 @14348 has 45 MA's), (353, 14603), (360, 14606), (361, 14609), (374, 14633), (380, 14639), (403, 14681), (410, 14699), (476, 14825), (553, 14903), (563, 14927), (564, 14930), (565, 14933), (591, 14993), (626, 15104), (628, 15107), (663, 15164), (675, 15203), (677, 15209), (686, 15233), (744, 15389), (758, 15419), (881, 15650), (892, 15683), (915, 15743), (925, 15767), (994, 15935), (998, 15941),

Gene: Ghoulboy_24 Start: 19904, Stop: 21703, Start Num: 156
Candidate Starts for Ghoulboy_24:

(Start: 156 @19904 has 559 MA's), (Start: 260 @20042 has 1 MA's), (325, 20141), (367, 20216), (400, 20267), (436, 20339), (445, 20354), (465, 20387), (469, 20393), (522, 20486), (567, 20588), (575, 20618), (579, 20624), (615, 20714), (635, 20744), (674, 20828), (675, 20831), (689, 20870), (694, 20888), (730, 20948), (731, 20951), (767, 21044), (820, 21185), (833, 21227), (945, 21545), (992, 21680), (994, 21689),

Gene: GiKK_21 Start: 15090, Stop: 16778, Start Num: 151
Candidate Starts for GiKK_21:
(38, 14670), (122, 15060), (Start: 141 @15087 has 37 MA's), (Start: 151 @15090 has 50 MA's), (259, 15231), (323, 15330), (342, 15375), (445, 15558), (462, 15588), (482, 15630), (495, 15660), (525, 15690), (530, 15702), (534, 15705), (567, 15795), (593, 15861), (598, 15876), (635, 15912), (644, 15927), (654, 15945), (670, 15984), (672, 15990), (702, 16074), (727, 16110), (730, 16113), (731, 16116), (736, 16131), (744, 16149), (745, 16152), (767, 16206), (832, 16335), (835, 16347), (840, 16362), (853, 16374), (878, 16446), (879, 16449), (880, 16452), (914, 16548), (945, 16617), (948, 16626), (989, 16743), (994, 16764), (998, 16770),

Gene: Gibbous_18 Start: 15938, Stop: 17629, Start Num: 151
Candidate Starts for Gibbous_18:
(Start: 151 @15938 has 50 MA's), (241, 16052), (Start: 260 @16085 has 1 MA's), (377, 16286), (400, 16322), (445, 16409), (495, 16511), (525, 16544), (530, 16556), (534, 16559), (553, 16616), (567, 16649), (572, 16664), (583, 16691), (598, 16730), (635, 16766), (637, 16772), (666, 16826), (674, 16850), (688, 16889), (690, 16895), (730, 16967), (736, 16985), (740, 16994), (744, 17003), (767, 17060), (771, 17078), (832, 17189), (835, 17201), (840, 17216), (853, 17228), (878, 17300), (879, 17303), (914, 17399), (925, 17426), (940, 17450), (945, 17468),

Gene: Gideon_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Gideon_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: GigiOuiOui_16 Start: 14934, Stop: 16643, Start Num: 142
Candidate Starts for GigiOuiOui_16:
(Start: 142 @14934 has 207 MA's), (215, 15021), (232, 15042), (Start: 249 @15066 has 2 MA's), (258, 15090), (299, 15195), (301, 15201), (309, 15219), (332, 15249), (390, 15354), (419, 15408), (422, 15414), (425, 15423), (437, 15444), (450, 15468), (473, 15504), (475, 15510), (535, 15543), (536, 15546), (539, 15555), (544, 15570), (546, 15576), (558, 15594), (564, 15609), (566, 15615), (572, 15633), (573, 15636), (580, 15651), (589, 15666), (591, 15672), (605, 15720), (611, 15732), (614, 15738), (648, 15798), (653, 15810), (666, 15846), (670, 15858), (700, 15933), (704, 15942), (713, 15960), (715, 15966), (730, 15996), (806, 16101), (812, 16113), (825, 16149), (847, 16227), (885, 16347), (896, 16380), (911, 16410), (913, 16422), (919, 16440), (922, 16446), (924, 16449), (928, 16455), (944, 16470), (945, 16473), (953, 16494), (955, 16497), (973, 16539), (980, 16569), (992, 16611), (993, 16617),

Gene: Gilberta_28 Start: 20746, Stop: 22545, Start Num: 156
Candidate Starts for Gilberta_28:
(110, 20680), (Start: 136 @20722 has 48 MA's), (Start: 156 @20746 has 559 MA's), (Start: 196 @20788 has 2 MA's), (Start: 260 @20884 has 1 MA's), (269, 20899), (323, 20980), (325, 20983), (366, 21055), (367, 21058), (376, 21073), (402, 21112), (406, 21118), (465, 21229), (469, 21235), (508, 21316), (556, 21400), (603, 21526), (609, 21544), (622, 21571), (689, 21712), (723, 21778), (730,

21790), (731, 21793), (800, 21982), (813, 22009), (819, 22018), (824, 22039), (825, 22042), (831, 22063), (835, 22078), (842, 22102), (866, 22177), (869, 22192), (899, 22276), (943, 22381), (945, 22387), (968, 22441), (1000, 22540),

Gene: Giles_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Giles_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: GingkoMaracino_29 Start: 20265, Stop: 22061, Start Num: 156
Candidate Starts for GingkoMaracino_29:
(Start: 156 @20265 has 559 MA's), (Start: 204 @20322 has 1 MA's), (215, 20337), (238, 20370), (254, 20391), (259, 20406), (Start: 303 @20493 has 11 MA's), (323, 20505), (325, 20508), (367, 20583), (376, 20598), (400, 20634), (508, 20841), (567, 20955), (581, 20994), (615, 21081), (674, 21195), (683, 21219), (689, 21237), (731, 21318), (762, 21393), (767, 21411), (775, 21444), (777, 21450), (790, 21489), (820, 21543), (821, 21546), (828, 21567), (844, 21624), (899, 21792), (943, 21897), (945, 21903), (992, 22038),

Gene: Girafales_17 Start: 14636, Stop: 16345, Start Num: 142
Candidate Starts for Girafales_17:
(Start: 142 @14636 has 207 MA's), (215, 14723), (Start: 249 @14768 has 2 MA's), (258, 14792), (299, 14897), (301, 14903), (309, 14921), (332, 14951), (390, 15056), (422, 15116), (434, 15137), (437, 15146), (450, 15170), (558, 15296), (564, 15311), (566, 15317), (572, 15335), (573, 15338), (580, 15353), (582, 15356), (589, 15368), (591, 15374), (593, 15383), (605, 15422), (611, 15434), (614, 15440), (648, 15500), (666, 15548), (670, 15560), (700, 15635), (704, 15644), (713, 15662), (715, 15668), (730, 15698), (806, 15803), (812, 15815), (825, 15851), (847, 15929), (878, 16028), (885, 16049), (896, 16082), (911, 16112), (919, 16142), (924, 16151), (928, 16157), (944, 16172), (945, 16175), (953, 16196), (955, 16199), (973, 16241), (980, 16271), (992, 16313),

Gene: Giroux_27 Start: 19904, Stop: 21700, Start Num: 156
Candidate Starts for Giroux_27:
(Start: 156 @19904 has 559 MA's), (Start: 204 @19961 has 1 MA's), (254, 20030), (Start: 303 @20132 has 11 MA's), (323, 20144), (325, 20147), (367, 20222), (376, 20237), (402, 20276), (475, 20411), (508, 20480), (567, 20594), (615, 20720), (674, 20834), (683, 20858), (689, 20876), (731, 20957), (762, 21032), (767, 21050), (769, 21059), (775, 21083), (777, 21089), (782, 21104), (800, 21137), (820, 21182), (821, 21185), (828, 21206), (831, 21218), (833, 21224), (850, 21281), (899, 21431), (911, 21455), (943, 21536), (945, 21542), (992, 21677),

Gene: Girr_16 Start: 14774, Stop: 16483, Start Num: 142
Candidate Starts for Girr_16:
(Start: 142 @14774 has 207 MA's), (215, 14861), (Start: 249 @14906 has 2 MA's), (258, 14930), (299, 15035), (301, 15041), (309, 15059), (332, 15089), (390, 15194), (419, 15248), (422, 15254), (425, 15263), (434, 15275), (437, 15284), (450, 15308), (473, 15344), (475, 15350), (482, 15362), (535, 15383), (536, 15386), (539, 15395), (544, 15410), (546, 15416), (558, 15434), (564, 15449), (566, 15455), (572, 15473), (573, 15476), (580, 15491), (589, 15506), (591, 15512), (600, 15542), (605, 15560), (611, 15572), (614, 15578), (648, 15638), (653, 15650), (666, 15686), (670, 15698), (677, 15719), (700, 15773), (704, 15782), (715, 15806), (730, 15836), (806, 15941), (812, 15953), (825,

15989), (836, 16028), (847, 16067), (878, 16166), (885, 16187), (896, 16220), (911, 16250), (919, 16280), (924, 16289), (928, 16295), (944, 16310), (945, 16313), (953, 16334), (955, 16337), (973, 16379), (980, 16409), (992, 16451), (993, 16457),

Gene: Gizermo_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for Gizermo_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Gladiator_31 Start: 19963, Stop: 21735, Start Num: 156
Candidate Starts for Gladiator_31:
(110, 19897), (Start: 136 @19939 has 48 MA's), (Start: 156 @19963 has 559 MA's), (325, 20200), (366, 20272), (367, 20275), (376, 20290), (402, 20329), (406, 20335), (465, 20446), (469, 20452), (484, 20491), (508, 20533), (536, 20572), (550, 20614), (556, 20617), (615, 20773), (684, 20914), (689, 20929), (777, 21142), (828, 21241), (835, 21268), (852, 21319), (855, 21328), (866, 21367), (867, 21370), (899, 21466), (943, 21571), (945, 21577), (992, 21712),

Gene: Glaske_19 Start: 16273, Stop: 18009, Start Num: 137
Candidate Starts for Glaske_19:
(Start: 121 @16249 has 6 MA's), (Start: 137 @16273 has 45 MA's), (Start: 186 @16333 has 1 MA's), (198, 16354), (201, 16357), (274, 16477), (290, 16516), (300, 16549), (317, 16573), (382, 16693), (405, 16732), (407, 16738), (447, 16822), (450, 16828), (457, 16840), (473, 16864), (485, 16891), (538, 16909), (555, 16948), (558, 16954), (567, 16978), (591, 17032), (594, 17044), (597, 17053), (621, 17113), (658, 17191), (670, 17230), (682, 17263), (704, 17329), (715, 17353), (726, 17377), (740, 17407), (822, 17521), (827, 17533), (830, 17542), (832, 17551), (865, 17659), (892, 17743), (937, 17842), (983, 17950), (998, 17998),

Gene: Glaske16_29 Start: 22367, Stop: 24103, Start Num: 161
Candidate Starts for Glaske16_29:
(69, 22145), (Start: 119 @22325 has 3 MA's), (Start: 128 @22340 has 2 MA's), (Start: 161 @22367 has 14 MA's), (Start: 176 @22382 has 45 MA's), (201, 22421), (223, 22451), (Start: 227 @22457 has 45 MA's), (237, 22469), (291, 22574), (295, 22589), (323, 22628), (389, 22751), (395, 22760), (445, 22856), (471, 22898), (473, 22901), (562, 23078), (610, 23189), (636, 23216), (669, 23288), (670, 23297), (671, 23300), (675, 23312), (730, 23432), (731, 23435), (746, 23477), (761, 23507), (764, 23513), (824, 23633), (826, 23639), (969, 23993), (977, 24020), (983, 24038), (985, 24047),

Gene: Glexan_22 Start: 19446, Stop: 21041, Start Num: 212
Candidate Starts for Glexan_22:
(Start: 147 @19362 has 120 MA's), (Start: 212 @19446 has 47 MA's), (Start: 260 @19524 has 1 MA's), (296, 19611), (301, 19626), (332, 19674), (349, 19713), (405, 19800), (420, 19833), (437, 19869), (454, 19899), (457, 19905), (538, 19974), (561, 20004), (565, 20016), (566, 20019), (591, 20076), (650, 20208), (651, 20214), (675, 20280), (677, 20286), (686, 20310), (704, 20358), (715, 20382), (721, 20391), (754, 20466), (810, 20517), (819, 20532), (867, 20694), (875, 20721), (885, 20751), (926, 20856), (971, 20934), (980, 20970), (983, 20979), (992, 21012), (998, 21027),

Gene: GodonK_89 Start: 52336, Stop: 53952, Start Num: 185
Candidate Starts for GodonK_89:
(Start: 185 @52336 has 10 MA's), (Start: 190 @52342 has 1 MA's), (Start: 249 @52426 has 2 MA's), (278, 52495), (291, 52525), (292, 52528), (301, 52558), (324, 52597), (416, 52768), (429, 52792), (437, 52810), (447, 52828), (464, 52858), (565, 52924), (566, 52927), (578, 52960), (601, 53017),

(605, 53032), (606, 53035), (607, 53038), (645, 53110), (653, 53125), (661, 53140), (666, 53161), (671, 53176), (733, 53320), (740, 53341), (746, 53356), (815, 53434), (824, 53461), (826, 53467), (843, 53527), (858, 53572), (875, 53629), (878, 53638), (885, 53659), (948, 53797), (953, 53806),

Gene: Goib_23 Start: 16480, Stop: 17808, Start Num: 303
Candidate Starts for Goib_23:
(Start: 303 @16480 has 11 MA's), (315, 16495), (399, 16639), (421, 16684), (445, 16729), (458, 16753), (476, 16783), (477, 16786), (483, 16804), (486, 16813), (494, 16837), (497, 16846), (526, 16897), (533, 16909), (639, 17002), (646, 17011), (660, 17020), (675, 17065), (684, 17083), (730, 17176), (747, 17221), (771, 17290), (780, 17311), (833, 17392), (851, 17425), (885, 17512), (899, 17548), (906, 17563), (910, 17572), (933, 17614), (948, 17653), (972, 17707), (975, 17725), (992, 17782), (995, 17791),

Gene: Goku_24 Start: 19460, Stop: 21139, Start Num: 147
Candidate Starts for Goku_24:
(Start: 147 @19460 has 120 MA's), (Start: 212 @19544 has 47 MA's), (Start: 260 @19622 has 1 MA's), (296, 19709), (301, 19724), (332, 19772), (349, 19811), (405, 19898), (420, 19931), (437, 19967), (454, 19997), (457, 20003), (538, 20072), (561, 20102), (565, 20114), (566, 20117), (591, 20174), (650, 20306), (651, 20312), (675, 20378), (677, 20384), (686, 20408), (704, 20456), (715, 20480), (721, 20489), (754, 20564), (810, 20615), (819, 20630), (867, 20792), (875, 20819), (885, 20849), (926, 20954), (971, 21032), (980, 21068), (983, 21077), (992, 21110), (998, 21125),

Gene: GoldHunter_19 Start: 15730, Stop: 17430, Start Num: 141
Candidate Starts for GoldHunter_19:
(Start: 141 @15730 has 37 MA's), (Start: 151 @15733 has 50 MA's), (287, 15943), (367, 16066), (400, 16117), (445, 16204), (449, 16213), (462, 16234), (473, 16249), (477, 16261), (525, 16339), (530, 16351), (541, 16378), (553, 16411), (567, 16444), (571, 16456), (590, 16498), (666, 16621), (691, 16693), (731, 16771), (736, 16786), (744, 16804), (767, 16861), (821, 16954), (832, 16990), (835, 17002), (837, 17008), (841, 17020), (853, 17029), (878, 17101), (879, 17104), (881, 17110), (885, 17122), (909, 17182), (925, 17227), (931, 17236), (945, 17269), (973, 17335),

Gene: GoldenAsh_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for GoldenAsh_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: GoldenSpark_26 Start: 19736, Stop: 21415, Start Num: 147
Candidate Starts for GoldenSpark_26:
(Start: 147 @19736 has 120 MA's), (Start: 212 @19820 has 47 MA's), (Start: 260 @19898 has 1 MA's), (296, 19985), (301, 20000), (332, 20048), (349, 20087), (405, 20174), (420, 20207), (437, 20243), (454, 20273), (457, 20279), (538, 20348), (561, 20378), (565, 20390), (566, 20393), (591, 20450), (650, 20582), (651, 20588), (675, 20654), (677, 20660), (686, 20684), (704, 20732), (715, 20756), (721, 20765), (754, 20840), (810, 20891), (819, 20906), (867, 21068), (875, 21095), (885, 21125), (926, 21230), (971, 21308), (980, 21344), (983, 21353), (992, 21386), (998, 21401),

Gene: Goldilocks_25 Start: 19156, Stop: 20835, Start Num: 147
Candidate Starts for Goldilocks_25:
(Start: 147 @19156 has 120 MA's), (Start: 212 @19240 has 47 MA's), (Start: 260 @19318 has 1 MA's), (296, 19405), (301, 19420), (332, 19468), (349, 19507), (405, 19594), (420, 19627), (437,

19663), (454, 19693), (457, 19699), (538, 19768), (561, 19798), (565, 19810), (566, 19813), (591, 19870), (650, 20002), (651, 20008), (675, 20074), (677, 20080), (686, 20104), (704, 20152), (715, 20176), (721, 20185), (754, 20260), (810, 20311), (819, 20326), (867, 20488), (875, 20515), (885, 20545), (926, 20650), (971, 20728), (980, 20764), (983, 20773), (992, 20806), (998, 20821),

Gene: Gollum_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Gollum_23:
(Start: 171 @16334 has 28 MA's), (Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Gomashi_18 Start: 16650, Stop: 18404, Start Num: 194
Candidate Starts for Gomashi_18:
(Start: 171 @16641 has 28 MA's), (Start: 194 @16650 has 44 MA's), (Start: 196 @16656 has 2 MA's), (201, 16662), (277, 16794), (295, 16845), (311, 16875), (325, 16899), (367, 17001), (391, 17040), (395, 17046), (406, 17061), (425, 17106), (488, 17226), (513, 17283), (536, 17322), (557, 17370), (567, 17397), (571, 17409), (607, 17490), (647, 17535), (731, 17733), (743, 17763), (751, 17781), (762, 17808), (785, 17892), (805, 17910), (818, 17925), (831, 17973), (835, 17988), (867, 18051), (885, 18108), (899, 18147), (915, 18189), (948, 18240), (983, 18336), (1004, 18396),

Gene: Gompeii16_27 Start: 21590, Stop: 23392, Start Num: 159
Candidate Starts for Gompeii16_27:
(Start: 159 @21590 has 217 MA's), (Start: 176 @21611 has 45 MA's), (Start: 204 @21653 has 1 MA's), (237, 21698), (367, 21914), (395, 21959), (402, 21968), (448, 22058), (449, 22061), (465, 22085), (556, 22256), (581, 22325), (674, 22526), (675, 22529), (683, 22550), (730, 22646), (731, 22649), (733, 22655), (762, 22724), (767, 22742), (769, 22751), (777, 22781), (821, 22877), (831, 22910), (835, 22925), (879, 23066), (899, 23123), (945, 23234),

Gene: Gonephishing_32 Start: 25229, Stop: 26962, Start Num: 141
Candidate Starts for Gonephishing_32:
(Start: 141 @25229 has 37 MA's), (Start: 212 @25319 has 47 MA's), (215, 25322), (272, 25424), (296, 25490), (317, 25526), (334, 25556), (340, 25571), (385, 25655), (407, 25691), (420, 25718), (438, 25757), (457, 25790), (464, 25799), (536, 25856), (552, 25898), (586, 25973), (591, 25985), (611, 26045), (614, 26051), (630, 26099), (650, 26129), (658, 26147), (662, 26156), (671, 26189), (675, 26201), (677, 26207), (691, 26246), (715, 26303), (819, 26453), (822, 26471), (835, 26513), (842, 26537), (843, 26540), (847, 26555), (858, 26585), (867, 26615), (885, 26672), (958, 26822), (998, 26948),

Gene: GooberAzure_26 Start: 19736, Stop: 21415, Start Num: 147
Candidate Starts for GooberAzure_26:
(Start: 147 @19736 has 120 MA's), (Start: 212 @19820 has 47 MA's), (Start: 260 @19898 has 1 MA's), (296, 19985), (301, 20000), (332, 20048), (349, 20087), (405, 20174), (420, 20207), (437, 20243), (454, 20273), (457, 20279), (538, 20348), (561, 20378), (565, 20390), (566, 20393), (591, 20450), (650, 20582), (651, 20588), (675, 20654), (677, 20660), (686, 20684), (704, 20732), (715, 20756), (721, 20765), (754, 20840), (810, 20891), (819, 20906), (867, 21068), (875, 21095), (885, 21125), (926, 21230), (971, 21308), (980, 21344), (983, 21353), (992, 21386), (998, 21401),

Gene: GoongGoong_49 Start: 26620, Stop: 28332, Start Num: 175
Candidate Starts for GoongGoong_49:
(122, 26557), (Start: 175 @26620 has 56 MA's), (Start: 233 @26701 has 1 MA's), (266, 26758), (296, 26839), (298, 26845), (339, 26902), (342, 26914), (346, 26926), (367, 26965), (376, 26980), (417,

27049), (445, 27103), (449, 27112), (539, 27268), (562, 27316), (564, 27325), (567, 27334), (581, 27373), (590, 27388), (636, 27451), (644, 27463), (689, 27580), (690, 27583), (712, 27634), (729, 27661), (731, 27664), (738, 27685), (758, 27727), (820, 27847), (826, 27865), (881, 28009), (896, 28054), (905, 28072), (942, 28156), (951, 28183), (961, 28204), (977, 28249), (979, 28255), (983, 28267), (986, 28279), (990, 28291), (998, 28315), (1002, 28321),

Gene: Goose_27 Start: 19786, Stop: 21564, Start Num: 156
Candidate Starts for Goose_27:
(Start: 136 @19762 has 48 MA's), (Start: 156 @19786 has 559 MA's), (Start: 204 @19843 has 1 MA's), (215, 19858), (254, 19912), (Start: 303 @20014 has 11 MA's), (323, 20026), (325, 20029), (367, 20104), (376, 20119), (402, 20158), (465, 20275), (475, 20293), (508, 20362), (546, 20437), (567, 20476), (581, 20515), (615, 20602), (635, 20632), (644, 20647), (669, 20695), (683, 20740), (687, 20752), (689, 20758), (730, 20836), (731, 20839), (767, 20932), (769, 20941), (775, 20965), (777, 20971), (782, 20986), (808, 21019), (828, 21070), (833, 21088), (844, 21127), (845, 21133), (879, 21238), (899, 21295), (911, 21319), (912, 21325), (943, 21400), (945, 21406), (948, 21415), (992, 21541),

Gene: Gorge_16 Start: 14790, Stop: 16499, Start Num: 142
Candidate Starts for Gorge_16:
(Start: 142 @14790 has 207 MA's), (215, 14877), (Start: 249 @14922 has 2 MA's), (258, 14946), (282, 15003), (299, 15051), (301, 15057), (309, 15075), (332, 15105), (390, 15210), (419, 15264), (422, 15270), (425, 15279), (437, 15300), (450, 15324), (473, 15360), (475, 15366), (535, 15399), (536, 15402), (539, 15411), (544, 15426), (546, 15432), (558, 15450), (564, 15465), (566, 15471), (572, 15489), (573, 15492), (580, 15507), (589, 15522), (591, 15528), (605, 15576), (611, 15588), (614, 15594), (616, 15600), (648, 15654), (653, 15666), (666, 15702), (670, 15714), (700, 15789), (704, 15798), (713, 15816), (715, 15822), (730, 15852), (806, 15957), (812, 15969), (825, 16005), (847, 16083), (885, 16203), (896, 16236), (911, 16266), (913, 16278), (919, 16296), (922, 16302), (924, 16305), (928, 16311), (944, 16326), (945, 16329), (953, 16350), (955, 16353), (973, 16395), (980, 16425), (992, 16467), (993, 16473),

Gene: Graduation_29 Start: 21859, Stop: 23661, Start Num: 159
Candidate Starts for Graduation_29:
(Start: 159 @21859 has 217 MA's), (Start: 176 @21880 has 45 MA's), (Start: 204 @21922 has 1 MA's), (237, 21967), (367, 22183), (395, 22228), (402, 22237), (421, 22276), (448, 22327), (449, 22330), (556, 22525), (581, 22594), (674, 22795), (675, 22798), (683, 22819), (730, 22915), (731, 22918), (733, 22924), (762, 22993), (767, 23011), (769, 23020), (777, 23050), (821, 23146), (831, 23179), (835, 23194), (879, 23335), (899, 23392),

Gene: GrandSlam_22 Start: 17878, Stop: 19584, Start Num: 222
Candidate Starts for GrandSlam_22:
(Start: 164 @17803 has 1 MA's), (Start: 222 @17878 has 16 MA's), (272, 17971), (277, 17986), (280, 17992), (309, 18067), (343, 18139), (397, 18250), (421, 18295), (430, 18313), (436, 18325), (534, 18496), (537, 18505), (539, 18511), (576, 18607), (599, 18658), (674, 18781), (688, 18820), (747, 18952), (784, 19066), (831, 19153), (878, 19267), (881, 19276), (925, 19381), (969, 19468), (1004, 19576),

Gene: Gratitude_29 Start: 20632, Stop: 22428, Start Num: 136
Candidate Starts for Gratitude_29:
(Start: 136 @20632 has 48 MA's), (Start: 156 @20656 has 559 MA's), (259, 20791), (323, 20890), (325, 20893), (366, 20965), (367, 20968), (402, 21022), (406, 21028), (436, 21091), (465, 21139), (479, 21172), (508, 21226), (550, 21307), (556, 21310), (567, 21340), (635, 21496), (675, 21583), (731, 21703), (774, 21826), (775, 21829), (777, 21835), (808, 21883), (831, 21946), (835, 21961), (837, 21967), (855, 22021), (866, 22060), (869, 22075), (881, 22108), (896, 22153), (943, 22264),

(945, 22270), (968, 22324),

Gene: Gravaillia_22 Start: 17133, Stop: 18875, Start Num: 176
Candidate Starts for Gravaillia_22:
(82, 16959), (Start: 176 @17133 has 45 MA's), (Start: 181 @17142 has 15 MA's), (248, 17235), (258, 17259), (263, 17271), (272, 17292), (277, 17307), (307, 17385), (342, 17457), (382, 17547), (414, 17601), (427, 17631), (433, 17640), (445, 17661), (479, 17727), (490, 17754), (506, 17787), (527, 17805), (536, 17823), (537, 17826), (541, 17841), (542, 17844), (571, 17910), (572, 17913), (599, 17979), (632, 18003), (671, 18090), (690, 18144), (715, 18189), (720, 18195), (731, 18222), (749, 18267), (779, 18360), (782, 18369), (831, 18447), (889, 18591), (894, 18609), (899, 18621), (907, 18636), (908, 18639), (915, 18660), (951, 18720), (967, 18753), (969, 18759), (971, 18762), (989, 18828), (1004, 18867),

Gene: GreaseLightnin_19 Start: 16367, Stop: 18127, Start Num: 121
Candidate Starts for GreaseLightnin_19:
(Start: 121 @16367 has 6 MA's), (Start: 137 @16391 has 45 MA's), (Start: 186 @16451 has 1 MA's), (198, 16472), (201, 16475), (274, 16595), (290, 16634), (300, 16667), (317, 16691), (382, 16811), (405, 16850), (407, 16856), (447, 16940), (450, 16946), (457, 16958), (473, 16982), (485, 17009), (538, 17027), (555, 17066), (558, 17072), (567, 17096), (591, 17150), (594, 17162), (597, 17171), (621, 17231), (658, 17309), (670, 17348), (682, 17381), (704, 17447), (711, 17462), (715, 17471), (726, 17495), (740, 17525), (746, 17537), (822, 17639), (827, 17651), (828, 17654), (830, 17660), (832, 17669), (865, 17777), (892, 17861), (937, 17960), (983, 18068), (998, 18116),

Gene: GrecoEtereo_29 Start: 21899, Stop: 23701, Start Num: 159
Candidate Starts for GrecoEtereo_29:
(Start: 159 @21899 has 217 MA's), (Start: 176 @21920 has 45 MA's), (Start: 204 @21962 has 1 MA's), (237, 22007), (367, 22223), (395, 22268), (402, 22277), (421, 22316), (448, 22367), (449, 22370), (556, 22565), (581, 22634), (674, 22835), (675, 22838), (683, 22859), (730, 22955), (731, 22958), (733, 22964), (762, 23033), (767, 23051), (769, 23060), (777, 23090), (821, 23186), (831, 23219), (835, 23234), (879, 23375), (899, 23432), (945, 23543),

Gene: GreedyLawyer_31 Start: 19976, Stop: 21748, Start Num: 156
Candidate Starts for GreedyLawyer_31:
(110, 19910), (Start: 136 @19952 has 48 MA's), (Start: 156 @19976 has 559 MA's), (286, 20174), (325, 20213), (366, 20285), (367, 20288), (379, 20306), (402, 20342), (406, 20348), (465, 20459), (469, 20465), (484, 20504), (508, 20546), (536, 20585), (550, 20627), (556, 20630), (575, 20690), (684, 20927), (689, 20942), (731, 21023), (777, 21155), (835, 21281), (852, 21332), (855, 21341), (866, 21380), (867, 21383), (869, 21395), (899, 21479), (943, 21584), (945, 21590), (992, 21725),

Gene: Greg_29 Start: 21405, Stop: 23207, Start Num: 159
Candidate Starts for Greg_29:
(Start: 159 @21405 has 217 MA's), (Start: 176 @21426 has 45 MA's), (Start: 204 @21468 has 1 MA's), (237, 21513), (367, 21729), (395, 21774), (402, 21783), (448, 21873), (449, 21876), (556, 22071), (581, 22140), (674, 22341), (675, 22344), (683, 22365), (730, 22461), (731, 22464), (733, 22470), (762, 22539), (767, 22557), (769, 22566), (777, 22596), (821, 22692), (831, 22725), (835, 22740), (879, 22881), (899, 22938), (945, 23049),

Gene: Grif_29 Start: 20462, Stop: 22258, Start Num: 156
Candidate Starts for Grif_29:
(Start: 156 @20462 has 559 MA's), (Start: 204 @20519 has 1 MA's), (215, 20534), (254, 20588), (259, 20603), (Start: 303 @20690 has 11 MA's), (323, 20702), (325, 20705), (367, 20780), (376, 20795), (400, 20831), (508, 21038), (581, 21191), (615, 21278), (674, 21392), (683, 21416), (689, 21434), (731, 21515), (762, 21590), (767, 21608), (775, 21641), (777, 21647), (790, 21686), (820, 21740),

(821, 21743), (828, 21764), (844, 21821), (899, 21989), (943, 22094), (945, 22100), (992, 22235),

Gene: Grimmer_17 Start: 15467, Stop: 17176, Start Num: 142
Candidate Starts for Grimmer_17:
(Start: 142 @15467 has 207 MA's), (215, 15554), (Start: 249 @15599 has 2 MA's), (258, 15623), (266, 15644), (299, 15728), (301, 15734), (309, 15752), (332, 15782), (390, 15887), (422, 15947), (425, 15956), (434, 15968), (437, 15977), (447, 15995), (450, 16001), (475, 16043), (535, 16076), (539, 16088), (544, 16103), (546, 16109), (558, 16127), (564, 16142), (566, 16148), (573, 16169), (580, 16184), (582, 16187), (589, 16199), (591, 16205), (605, 16253), (611, 16265), (614, 16271), (648, 16331), (653, 16343), (666, 16379), (670, 16391), (677, 16412), (700, 16466), (704, 16475), (713, 16493), (715, 16499), (730, 16529), (806, 16634), (810, 16643), (812, 16646), (825, 16682), (836, 16721), (847, 16760), (878, 16859), (885, 16880), (896, 16913), (911, 16943), (919, 16973), (924, 16982), (928, 16988), (944, 17003), (945, 17006), (953, 17027), (955, 17030), (973, 17072), (992, 17144), (993, 17150),

Gene: Grizzly_18 Start: 16643, Stop: 18406, Start Num: 171
Candidate Starts for Grizzly_18:
(78, 16439), (Start: 171 @16643 has 28 MA's), (Start: 194 @16652 has 44 MA's), (Start: 196 @16658 has 2 MA's), (201, 16664), (256, 16742), (277, 16796), (295, 16847), (311, 16877), (325, 16901), (335, 16922), (367, 17003), (391, 17042), (395, 17048), (406, 17063), (425, 17108), (488, 17228), (513, 17285), (536, 17324), (551, 17366), (557, 17372), (567, 17399), (571, 17411), (607, 17492), (647, 17537), (666, 17585), (731, 17735), (743, 17765), (751, 17783), (762, 17810), (805, 17912), (818, 17927), (831, 17975), (835, 17990), (867, 18053), (885, 18110), (899, 18149), (915, 18191), (948, 18242), (983, 18338), (1004, 18398),

Gene: GrootJr_43 Start: 30207, Stop: 31820, Start Num: 202
Candidate Starts for GrootJr_43:
(Start: 202 @30207 has 36 MA's), (Start: 231 @30243 has 1 MA's), (242, 30261), (277, 30321), (406, 30561), (410, 30573), (417, 30588), (458, 30654), (469, 30669), (481, 30693), (482, 30696), (519, 30780), (535, 30810), (536, 30813), (562, 30870), (576, 30918), (577, 30921), (590, 30942), (663, 31047), (686, 31092), (704, 31134), (773, 31308), (783, 31338), (785, 31344), (860, 31452), (861, 31455), (885, 31530), (980, 31749), (998, 31806),

Gene: Groundhog_23 Start: 18621, Stop: 20411, Start Num: 156
Candidate Starts for Groundhog_23:
(Start: 136 @18597 has 48 MA's), (Start: 156 @18621 has 559 MA's), (235, 18714), (Start: 260 @18759 has 1 MA's), (325, 18858), (344, 18894), (367, 18933), (376, 18948), (400, 18984), (465, 19104), (469, 19110), (536, 19230), (590, 19359), (615, 19431), (674, 19545), (767, 19761), (775, 19794), (821, 19896), (831, 19929), (835, 19944), (844, 19974), (942, 20244), (945, 20253), (948, 20262), (989, 20376),

Gene: Groupthink_30 Start: 20460, Stop: 22256, Start Num: 156
Candidate Starts for Groupthink_30:
(Start: 156 @20460 has 559 MA's), (Start: 204 @20517 has 1 MA's), (215, 20532), (254, 20586), (259, 20601), (Start: 303 @20688 has 11 MA's), (323, 20700), (325, 20703), (367, 20778), (376, 20793), (508, 21036), (581, 21189), (615, 21276), (669, 21369), (674, 21390), (683, 21414), (687, 21426), (689, 21432), (731, 21513), (762, 21588), (767, 21606), (769, 21615), (775, 21639), (777, 21645), (782, 21660), (790, 21684), (820, 21738), (821, 21741), (828, 21762), (943, 22092), (945, 22098), (992, 22233),

Gene: Grub_29 Start: 20371, Stop: 22167, Start Num: 156
Candidate Starts for Grub_29:

(Start: 156 @20371 has 559 MA's), (Start: 204 @20428 has 1 MA's), (215, 20443), (238, 20476), (254, 20497), (259, 20512), (Start: 303 @20599 has 11 MA's), (323, 20611), (325, 20614), (367, 20689), (376, 20704), (400, 20740), (508, 20947), (567, 21061), (581, 21100), (615, 21187), (674, 21301), (683, 21325), (689, 21343), (731, 21424), (762, 21499), (767, 21517), (775, 21550), (777, 21556), (790, 21595), (820, 21649), (821, 21652), (828, 21673), (844, 21730), (899, 21898), (943, 22003), (945, 22009), (992, 22144),

Gene: Grum1_29 Start: 20375, Stop: 22171, Start Num: 156
Candidate Starts for Grum1_29:
(Start: 156 @20375 has 559 MA's), (Start: 204 @20432 has 1 MA's), (215, 20447), (238, 20480), (254, 20501), (259, 20516), (Start: 303 @20603 has 11 MA's), (323, 20615), (325, 20618), (367, 20693), (376, 20708), (400, 20744), (467, 20867), (508, 20951), (567, 21065), (581, 21104), (615, 21191), (674, 21305), (683, 21329), (689, 21347), (731, 21428), (762, 21503), (767, 21521), (775, 21554), (777, 21560), (790, 21599), (820, 21653), (821, 21656), (828, 21677), (858, 21776), (943, 22007), (945, 22013), (992, 22148),

Gene: Gruunaga_31 Start: 19963, Stop: 21735, Start Num: 156
Candidate Starts for Gruunaga_31:
(110, 19897), (Start: 136 @19939 has 48 MA's), (Start: 156 @19963 has 559 MA's), (325, 20200), (366, 20272), (367, 20275), (376, 20290), (402, 20329), (406, 20335), (465, 20446), (469, 20452), (484, 20491), (508, 20533), (536, 20572), (550, 20614), (556, 20617), (615, 20773), (684, 20914), (689, 20929), (777, 21142), (828, 21241), (835, 21268), (852, 21319), (855, 21328), (866, 21367), (867, 21370), (899, 21466), (943, 21571), (945, 21577), (992, 21712),

Gene: Gsput1_20 Start: 15750, Stop: 17078, Start Num: 303
Candidate Starts for Gsput1_20:
(Start: 303 @15750 has 11 MA's), (316, 15768), (399, 15909), (421, 15954), (445, 15999), (483, 16074), (486, 16083), (526, 16167), (533, 16179), (639, 16272), (646, 16281), (660, 16290), (675, 16335), (684, 16353), (714, 16410), (730, 16446), (764, 16527), (772, 16563), (831, 16656), (851, 16695), (899, 16818), (923, 16869), (948, 16923), (954, 16938), (965, 16962), (968, 16968), (972, 16977), (999, 17067),

Gene: GtownJaz_29 Start: 20380, Stop: 22176, Start Num: 156
Candidate Starts for GtownJaz_29:
(Start: 156 @20380 has 559 MA's), (Start: 204 @20437 has 1 MA's), (215, 20452), (238, 20485), (254, 20506), (259, 20521), (Start: 303 @20608 has 11 MA's), (323, 20620), (325, 20623), (367, 20698), (376, 20713), (400, 20749), (508, 20956), (567, 21070), (581, 21109), (615, 21196), (674, 21310), (683, 21334), (689, 21352), (731, 21433), (762, 21508), (767, 21526), (775, 21559), (777, 21565), (790, 21604), (820, 21658), (821, 21661), (828, 21682), (844, 21739), (899, 21907), (943, 22012), (945, 22018), (992, 22153),

Gene: Guacamole_19 Start: 16654, Stop: 18300, Start Num: 227
Candidate Starts for Guacamole_19:
(203, 16618), (Start: 227 @16654 has 45 MA's), (283, 16756), (318, 16834), (321, 16837), (374, 16933), (396, 16972), (435, 17053), (468, 17107), (475, 17122), (591, 17293), (600, 17323), (677, 17506), (686, 17530), (687, 17533), (700, 17581), (739, 17674), (744, 17686), (765, 17731), (799, 17746), (843, 17878), (844, 17881), (875, 17980), (881, 17998), (899, 18049), (925, 18115), (963, 18178), (968, 18190),

Gene: Guanica15_23 Start: 16380, Stop: 18146, Start Num: 178
Candidate Starts for Guanica15_23:
(Start: 178 @16380 has 139 MA's), (Start: 181 @16386 has 15 MA's), (198, 16410), (284, 16569), (295, 16602), (311, 16632), (313, 16635), (329, 16665), (335, 16677), (371, 16767), (400, 16809),

(436, 16881), (441, 16890), (465, 16929), (484, 16974), (491, 16995), (492, 16998), (536, 17070), (551, 17112), (557, 17118), (567, 17145), (647, 17283), (656, 17301), (670, 17343), (676, 17361), (688, 17391), (751, 17523), (779, 17613), (832, 17718), (841, 17748), (879, 17832), (896, 17883), (948, 17982), (983, 18078), (993, 18117), (994, 18120), (1004, 18138),

Gene: Gudmit_18 Start: 15558, Stop: 17267, Start Num: 216
Candidate Starts for Gudmit_18:
(205, 15543), (Start: 216 @15558 has 31 MA's), (347, 15822), (376, 15876), (417, 15945), (423, 15957), (439, 15987), (469, 16035), (521, 16161), (560, 16245), (567, 16266), (571, 16278), (583, 16308), (613, 16368), (663, 16416), (690, 16494), (704, 16533), (714, 16551), (730, 16587), (746, 16629), (764, 16665), (768, 16686), (769, 16689), (821, 16782), (880, 16935), (885, 16950), (894, 16977), (933, 17073), (951, 17121), (965, 17151), (984, 17211),

Gene: Guey18_58 Start: 29129, Stop: 30814, Start Num: 143
Candidate Starts for Guey18_58:
(73, 28937), (75, 28946), (76, 28952), (99, 29054), (113, 29084), (Start: 143 @29129 has 6 MA's), (256, 29270), (344, 29429), (377, 29483), (465, 29639), (524, 29738), (543, 29786), (572, 29858), (635, 29948), (692, 30086), (767, 30245), (800, 30296), (801, 30299), (807, 30311), (835, 30386), (840, 30401), (878, 30485), (909, 30566), (954, 30677), (990, 30782), (994, 30800),

Gene: Guillsminger_21 Start: 17495, Stop: 19267, Start Num: 181
Candidate Starts for Guillsminger_21:
(Start: 181 @17495 has 15 MA's), (Start: 186 @17501 has 1 MA's), (201, 17525), (228, 17558), (256, 17606), (277, 17660), (295, 17711), (329, 17774), (376, 17882), (436, 17990), (491, 18104), (492, 18107), (512, 18146), (527, 18161), (534, 18173), (536, 18179), (551, 18221), (557, 18227), (571, 18266), (579, 18290), (647, 18392), (671, 18455), (687, 18500), (751, 18635), (782, 18734), (824, 18812), (831, 18836), (833, 18842), (837, 18857), (879, 18953), (881, 18959), (951, 19112), (988, 19217), (989, 19220), (993, 19238),

Gene: Gustav_18 Start: 15136, Stop: 16749, Start Num: 177
Candidate Starts for Gustav_18:
(Start: 177 @15136 has 11 MA's), (Start: 180 @15142 has 1 MA's), (207, 15181), (244, 15232), (247, 15235), (258, 15265), (324, 15412), (361, 15481), (418, 15586), (434, 15616), (532, 15703), (567, 15742), (586, 15784), (611, 15856), (624, 15889), (628, 15901), (653, 15940), (666, 15976), (669, 15979), (674, 16000), (690, 16042), (711, 16084), (746, 16159), (753, 16177), (761, 16189), (762, 16192), (835, 16303), (840, 16318), (842, 16327), (858, 16375), (946, 16585), (984, 16693),

Gene: Gustavo_34 Start: 29639, Stop: 31402, Start Num: 111
Candidate Starts for Gustavo_34:
(Start: 111 @29639 has 74 MA's), (Start: 131 @29675 has 1 MA's), (232, 29804), (238, 29813), (285, 29909), (289, 29918), (340, 29987), (367, 30038), (372, 30047), (395, 30083), (406, 30098), (414, 30116), (448, 30179), (475, 30224), (478, 30233), (541, 30344), (543, 30353), (550, 30368), (562, 30392), (571, 30422), (689, 30644), (695, 30662), (699, 30677), (730, 30719), (740, 30749), (785, 30869), (833, 30962), (879, 31073), (880, 31076), (896, 31124), (909, 31151), (917, 31178), (943, 31232),

Gene: GuuelaD_18 Start: 17023, Stop: 18756, Start Num: 175
Candidate Starts for GuuelaD_18:
(Start: 175 @17023 has 56 MA's), (223, 17092), (295, 17233), (296, 17236), (318, 17266), (327, 17281), (343, 17314), (346, 17323), (366, 17359), (400, 17413), (414, 17440), (445, 17503), (448, 17509), (469, 17542), (488, 17590), (546, 17695), (562, 17719), (564, 17728), (579, 17773), (590, 17791), (601, 17824), (636, 17866), (686, 17986), (712, 18049), (746, 18121), (762, 18154), (764, 18157), (808, 18238), (819, 18256), (824, 18277), (826, 18283), (830, 18295), (860, 18358), (888,

18445), (896, 18472), (912, 18505), (925, 18541), (935, 18556), (951, 18592), (977, 18670), (983, 18688),

Gene: GuyFagieri_45 Start: 31180, Stop: 32754, Start Num: 211
Candidate Starts for GuyFagieri_45:
(Start: 211 @31180 has 16 MA's), (218, 31189), (220, 31192), (256, 31243), (268, 31267), (277, 31270), (410, 31522), (419, 31540), (458, 31603), (469, 31618), (529, 31735), (536, 31750), (562, 31807), (564, 31816), (577, 31858), (590, 31879), (600, 31909), (654, 31963), (734, 32137), (773, 32242), (774, 32245), (783, 32272), (849, 32365), (896, 32497), (915, 32545), (954, 32611), (968, 32641), (989, 32713),

Gene: Gwendoluna_29 Start: 22990, Stop: 24792, Start Num: 159
Candidate Starts for Gwendoluna_29:
(Start: 159 @22990 has 217 MA's), (Start: 176 @23011 has 45 MA's), (Start: 204 @23053 has 1 MA's), (237, 23098), (367, 23314), (395, 23359), (402, 23368), (421, 23407), (448, 23458), (449, 23461), (556, 23656), (581, 23725), (674, 23926), (675, 23929), (683, 23950), (730, 24046), (731, 24049), (733, 24055), (762, 24124), (767, 24142), (769, 24151), (777, 24181), (821, 24277), (831, 24310), (835, 24325), (879, 24466), (899, 24523), (945, 24634),

Gene: Gyzlar_29 Start: 22353, Stop: 24155, Start Num: 159
Candidate Starts for Gyzlar_29:
(Start: 159 @22353 has 217 MA's), (Start: 176 @22374 has 45 MA's), (Start: 204 @22416 has 1 MA's), (237, 22461), (367, 22677), (395, 22722), (402, 22731), (421, 22770), (448, 22821), (449, 22824), (556, 23019), (581, 23088), (674, 23289), (675, 23292), (683, 23313), (730, 23409), (731, 23412), (733, 23418), (762, 23487), (767, 23505), (769, 23514), (777, 23544), (821, 23640), (831, 23673), (835, 23688), (879, 23829), (899, 23886), (945, 23997),

Gene: HC_19 Start: 16486, Stop: 18219, Start Num: 152
Candidate Starts for HC_19:
(Start: 152 @16486 has 6 MA's), (229, 16585), (236, 16594), (269, 16660), (278, 16684), (300, 16744), (301, 16747), (320, 16774), (419, 16954), (432, 16978), (437, 16990), (450, 17014), (558, 17140), (564, 17155), (567, 17164), (582, 17200), (591, 17218), (693, 17470), (700, 17479), (715, 17512), (810, 17656), (827, 17701), (858, 17803), (860, 17812), (865, 17830), (866, 17833), (899, 17932), (919, 17992), (930, 18010), (944, 18046), (948, 18061), (971, 18109), (990, 18178),

Gene: HH92_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for HH92_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: HINdeR_27 Start: 22725, Stop: 24527, Start Num: 156
Candidate Starts for HINdeR_27:
(81, 22575), (96, 22620), (Start: 136 @22701 has 48 MA's), (Start: 144 @22713 has 2 MA's), (Start: 156 @22725 has 559 MA's), (201, 22770), (217, 22791), (238, 22821), (323, 22956), (325, 22959), (367, 23034), (402, 23088), (469, 23211), (473, 23217), (484, 23250), (508, 23292), (556, 23376), (567, 23406), (575, 23436), (636, 23562), (674, 23643), (689, 23685), (730, 23781), (731, 23784), (736, 23799), (762, 23859), (767, 23877), (769, 23886), (775, 23910), (777, 23916), (820, 24009),

(821, 24012), (827, 24030), (831, 24045), (835, 24060), (845, 24096), (878, 24198), (945, 24369), (984, 24474), (998, 24519),

Gene: HUHilltop_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for HUHilltop_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Hades_16 Start: 14815, Stop: 16524, Start Num: 142
Candidate Starts for Hades_16:
(Start: 142 @14815 has 207 MA's), (215, 14902), (Start: 249 @14947 has 2 MA's), (258, 14971), (299, 15076), (301, 15082), (309, 15100), (332, 15130), (390, 15235), (422, 15295), (434, 15316), (437, 15325), (450, 15349), (558, 15475), (564, 15490), (566, 15496), (580, 15532), (582, 15535), (589, 15547), (591, 15553), (605, 15601), (611, 15613), (614, 15619), (648, 15679), (653, 15691), (666, 15727), (670, 15739), (700, 15814), (704, 15823), (713, 15841), (715, 15847), (730, 15877), (806, 15982), (810, 15991), (812, 15994), (825, 16030), (847, 16108), (878, 16207), (885, 16228), (896, 16261), (911, 16291), (919, 16321), (924, 16330), (928, 16336), (944, 16351), (945, 16354), (955, 16378), (968, 16408), (973, 16420), (980, 16450), (992, 16492),

Gene: Hadrien_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Hadrien_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Hafay_18 Start: 17022, Stop: 18755, Start Num: 175
Candidate Starts for Hafay_18:
(Start: 175 @17022 has 56 MA's), (223, 17091), (295, 17232), (296, 17235), (327, 17280), (343, 17313), (346, 17322), (366, 17358), (400, 17412), (414, 17439), (419, 17451), (445, 17502), (448, 17508), (469, 17541), (546, 17694), (562, 17718), (564, 17727), (579, 17772), (588, 17787), (636, 17865), (686, 17985), (712, 18048), (746, 18120), (764, 18156), (824, 18276), (826, 18282), (830, 18294), (860, 18357), (888, 18444), (896, 18471), (925, 18540), (935, 18555), (943, 18567), (951, 18591), (977, 18669),

Gene: Hail_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Hail_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915,

18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Halena_18 Start: 16747, Stop: 18516, Start Num: 136
Candidate Starts for Halena_18:
(Start: 103 @16684 has 1 MA's), (Start: 111 @16705 has 74 MA's), (Start: 119 @16720 has 3 MA's), (Start: 136 @16747 has 48 MA's), (207, 16840), (241, 16888), (246, 16894), (265, 16921), (266, 16924), (269, 16930), (295, 17002), (298, 17011), (318, 17035), (327, 17050), (342, 17080), (414, 17206), (417, 17215), (427, 17236), (435, 17251), (475, 17320), (488, 17356), (501, 17377), (542, 17446), (562, 17485), (636, 17623), (644, 17635), (674, 17710), (676, 17716), (683, 17734), (695, 17773), (712, 17806), (716, 17815), (724, 17824), (730, 17833), (731, 17836), (774, 17956), (785, 17992), (826, 18040), (830, 18052), (858, 18106), (888, 18202), (893, 18220), (895, 18226), (896, 18229), (912, 18262), (919, 18286), (951, 18349), (965, 18391), (977, 18430), (983, 18448), (989, 18469), (994, 18490),

Gene: Haley23_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for Haley23_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Halo_18 Start: 16644, Stop: 18398, Start Num: 194
Candidate Starts for Halo_18:
(Start: 171 @16635 has 28 MA's), (Start: 194 @16644 has 44 MA's), (Start: 196 @16650 has 2 MA's), (201, 16656), (277, 16788), (295, 16839), (311, 16869), (325, 16893), (367, 16995), (391, 17034), (395, 17040), (406, 17055), (425, 17100), (488, 17220), (513, 17277), (536, 17316), (557, 17364), (567, 17391), (571, 17403), (607, 17484), (647, 17529), (731, 17727), (743, 17757), (751, 17775), (762, 17802), (785, 17886), (805, 17904), (818, 17919), (831, 17967), (835, 17982), (867, 18045), (885, 18102), (899, 18141), (915, 18183), (948, 18234), (983, 18330), (1004, 18390),

Gene: Halo3_32 Start: 26286, Stop: 28052, Start Num: 111
Candidate Starts for Halo3_32:
(93, 26244), (Start: 111 @26286 has 74 MA's), (Start: 131 @26322 has 1 MA's), (Start: 159 @26355 has 217 MA's), (287, 26565), (289, 26568), (323, 26598), (351, 26664), (367, 26688), (372, 26697), (393, 26730), (478, 26883), (495, 26922), (535, 26973), (539, 26985), (543, 27003), (548, 27015), (553, 27027), (562, 27042), (571, 27072), (572, 27075), (579, 27096), (636, 27168), (663, 27216), (699, 27327), (724, 27360), (740, 27399), (743, 27402), (769, 27474), (803, 27540), (809, 27552), (879, 27723), (880, 27726), (896, 27774), (909, 27801), (917, 27828), (943, 27882), (984, 27999), (990, 28020), (1000, 28047),

Gene: HamSlice_26 Start: 19825, Stop: 21603, Start Num: 156
Candidate Starts for HamSlice_26:
(Start: 136 @19801 has 48 MA's), (Start: 156 @19825 has 559 MA's), (Start: 204 @19882 has 1 MA's), (241, 19936), (254, 19951), (Start: 260 @19969 has 1 MA's), (Start: 303 @20053 has 11 MA's), (323, 20065), (325, 20068), (367, 20143), (376, 20158), (402, 20197), (465, 20314), (508, 20401), (550, 20482), (572, 20530), (581, 20554), (615, 20641), (644, 20686), (675, 20758), (683, 20779), (689, 20797), (731, 20878), (767, 20971), (769, 20980), (775, 21004), (777, 21010), (784, 21034), (821, 21088), (828, 21109), (842, 21160), (850, 21184), (867, 21238), (899, 21334), (943, 21439), (948, 21454), (987, 21562), (992, 21580),

Gene: Hami1_29 Start: 21499, Stop: 23301, Start Num: 159
Candidate Starts for Hami1_29:

(Start: 159 @21499 has 217 MA's), (Start: 176 @21520 has 45 MA's), (Start: 204 @21562 has 1 MA's), (237, 21607), (367, 21823), (395, 21868), (402, 21877), (421, 21916), (448, 21967), (449, 21970), (556, 22165), (581, 22234), (674, 22435), (675, 22438), (683, 22459), (730, 22555), (731, 22558), (733, 22564), (767, 22651), (769, 22660), (777, 22690), (821, 22786), (831, 22819), (835, 22834), (879, 22975), (899, 23032), (945, 23143),

Gene: Hammer_31 Start: 19978, Stop: 21750, Start Num: 156
Candidate Starts for Hammer_31:
(110, 19912), (Start: 136 @19954 has 48 MA's), (Start: 156 @19978 has 559 MA's), (325, 20215), (366, 20287), (367, 20290), (376, 20305), (402, 20344), (406, 20350), (465, 20461), (469, 20467), (484, 20506), (508, 20548), (536, 20587), (550, 20629), (556, 20632), (615, 20788), (684, 20929), (689, 20944), (777, 21157), (835, 21283), (852, 21334), (855, 21343), (866, 21382), (867, 21385), (943, 21586), (945, 21592), (992, 21727),

Gene: Hammy_22 Start: 17572, Stop: 19338, Start Num: 178
Candidate Starts for Hammy_22:
(Start: 146 @17533 has 1 MA's), (Start: 171 @17563 has 28 MA's), (Start: 178 @17572 has 139 MA's), (198, 17602), (272, 17728), (277, 17743), (295, 17794), (329, 17857), (335, 17869), (342, 17887), (371, 17959), (395, 17995), (400, 18001), (441, 18082), (488, 18175), (491, 18187), (492, 18190), (509, 18226), (536, 18262), (551, 18304), (557, 18310), (567, 18337), (579, 18373), (656, 18493), (688, 18583), (702, 18610), (724, 18655), (751, 18715), (774, 18790), (782, 18814), (821, 18874), (832, 18910), (841, 18940), (879, 19024), (896, 19075), (951, 19183), (993, 19309), (994, 19312), (1004, 19330),

Gene: Hamood_22 Start: 17878, Stop: 19584, Start Num: 222
Candidate Starts for Hamood_22:
(Start: 164 @17803 has 1 MA's), (Start: 222 @17878 has 16 MA's), (272, 17971), (277, 17986), (280, 17992), (309, 18067), (343, 18139), (397, 18250), (421, 18295), (430, 18313), (436, 18325), (534, 18496), (537, 18505), (539, 18511), (576, 18607), (599, 18658), (674, 18781), (688, 18820), (747, 18952), (784, 19066), (831, 19153), (878, 19267), (881, 19276), (925, 19381), (969, 19468), (1004, 19576),

Gene: Hamulus_16 Start: 14812, Stop: 16521, Start Num: 142
Candidate Starts for Hamulus_16:
(Start: 142 @14812 has 207 MA's), (215, 14899), (Start: 249 @14944 has 2 MA's), (258, 14968), (299, 15073), (301, 15079), (309, 15097), (332, 15127), (390, 15232), (422, 15292), (432, 15310), (434, 15313), (437, 15322), (447, 15340), (450, 15346), (535, 15421), (536, 15424), (558, 15472), (564, 15487), (566, 15493), (580, 15529), (582, 15532), (589, 15544), (591, 15550), (605, 15598), (611, 15610), (614, 15616), (648, 15676), (653, 15688), (666, 15724), (670, 15736), (700, 15811), (704, 15820), (713, 15838), (715, 15844), (730, 15874), (806, 15979), (810, 15988), (812, 15991), (825, 16027), (847, 16105), (878, 16204), (885, 16225), (896, 16258), (911, 16288), (919, 16318), (924, 16327), (928, 16333), (944, 16348), (945, 16351), (955, 16375), (968, 16405), (973, 16417), (980, 16447), (992, 16489),

Gene: HanKaySha_25 Start: 19488, Stop: 21167, Start Num: 147
Candidate Starts for HanKaySha_25:
(Start: 147 @19488 has 120 MA's), (Start: 212 @19572 has 47 MA's), (Start: 260 @19650 has 1 MA's), (296, 19737), (301, 19752), (332, 19800), (349, 19839), (405, 19926), (420, 19959), (437, 19995), (454, 20025), (457, 20031), (538, 20100), (561, 20130), (565, 20142), (566, 20145), (591, 20202), (650, 20334), (651, 20340), (675, 20406), (677, 20412), (686, 20436), (704, 20484), (715, 20508), (721, 20517), (754, 20592), (810, 20643), (819, 20658), (867, 20820), (875, 20847), (885, 20877), (926, 20982), (971, 21060), (980, 21096), (983, 21105), (992, 21138), (998, 21153),

Gene: HanShotFirst_27 Start: 21033, Stop: 22835, Start Num: 159
Candidate Starts for HanShotFirst_27:
(Start: 159 @21033 has 217 MA's), (Start: 176 @21054 has 45 MA's), (Start: 204 @21096 has 1 MA's), (237, 21141), (367, 21357), (395, 21402), (402, 21411), (448, 21501), (449, 21504), (495, 21597), (556, 21699), (581, 21768), (670, 21957), (674, 21969), (675, 21972), (683, 21993), (730, 22089), (731, 22092), (733, 22098), (762, 22167), (767, 22185), (769, 22194), (777, 22224), (821, 22320), (831, 22353), (835, 22368), (879, 22509), (899, 22566), (945, 22677),

Gene: Hanako_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for Hanako_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: Hannaconda_31 Start: 23714, Stop: 25447, Start Num: 141
Candidate Starts for Hannaconda_31:
(Start: 141 @23714 has 37 MA's), (Start: 212 @23804 has 47 MA's), (215, 23807), (272, 23909), (296, 23975), (317, 24011), (334, 24041), (340, 24056), (385, 24140), (407, 24176), (420, 24203), (438, 24242), (457, 24275), (464, 24284), (536, 24341), (552, 24383), (586, 24458), (591, 24470), (611, 24530), (630, 24584), (650, 24614), (658, 24632), (662, 24641), (671, 24674), (675, 24686), (677, 24692), (691, 24731), (715, 24788), (819, 24938), (822, 24956), (835, 24998), (842, 25022), (843, 25025), (847, 25040), (858, 25070), (867, 25100), (885, 25157), (958, 25307), (994, 25427), (998, 25433),

Gene: HannahD_19 Start: 16647, Stop: 18377, Start Num: 151
Candidate Starts for HannahD_19:
(85, 16527), (122, 16611), (Start: 151 @16647 has 50 MA's), (241, 16767), (283, 16851), (Start: 303 @16884 has 11 MA's), (333, 16917), (377, 17001), (484, 17202), (506, 17244), (535, 17280), (543, 17310), (553, 17334), (570, 17376), (579, 17403), (581, 17406), (619, 17460), (622, 17466), (670, 17553), (825, 17913), (832, 17937), (837, 17955), (879, 18051), (885, 18069), (949, 18228), (981, 18315), (989, 18342),

Gene: Hanray_29 Start: 21753, Stop: 23543, Start Num: 156
Candidate Starts for Hanray_29:
(Start: 153 @21750 has 9 MA's), (Start: 156 @21753 has 559 MA's), (323, 21987), (325, 21990), (366, 22062), (367, 22065), (376, 22080), (402, 22119), (406, 22125), (465, 22236), (508, 22323), (550, 22404), (556, 22407), (635, 22593), (669, 22656), (675, 22680), (677, 22686), (689, 22719), (731, 22800), (775, 22926), (788, 22968), (821, 23028), (831, 23061), (835, 23076), (866, 23175), (867, 23178), (869, 23190), (899, 23274), (925, 23340), (943, 23379), (945, 23385), (964, 23430), (983, 23487), (984, 23490),

Gene: Hans_35 Start: 29139, Stop: 30764, Start Num: 183
Candidate Starts for Hans_35:
(Start: 183 @29139 has 17 MA's), (193, 29151), (215, 29184), (221, 29193), (230, 29205), (Start: 249 @29235 has 2 MA's), (296, 29352), (300, 29364), (341, 29439), (373, 29499), (390, 29529), (567, 29736), (578, 29766), (597, 29811), (621, 29871), (648, 29919), (674, 29991), (687, 30024), (688, 30027), (706, 30066), (724, 30105), (761, 30192), (762, 30195), (826, 30273), (843, 30333), (858, 30378), (881, 30459), (901, 30513), (948, 30609), (992, 30738), (998, 30753),

Gene: Happiness_27 Start: 19833, Stop: 21611, Start Num: 156
Candidate Starts for Happiness_27:
(Start: 136 @19809 has 48 MA's), (Start: 156 @19833 has 559 MA's), (Start: 204 @19890 has 1 MA's), (241, 19944), (254, 19959), (Start: 260 @19977 has 1 MA's), (Start: 303 @20061 has 11 MA's), (323, 20073), (325, 20076), (367, 20151), (376, 20166), (402, 20205), (465, 20322), (508, 20409), (550, 20490), (572, 20538), (581, 20562), (615, 20649), (644, 20694), (675, 20766), (683, 20787), (689, 20805), (767, 20979), (769, 20988), (775, 21012), (777, 21018), (784, 21042), (821, 21096), (828, 21117), (842, 21168), (850, 21192), (867, 21246), (899, 21342), (943, 21447), (948, 21462), (987, 21570), (992, 21588),

Gene: Harella_23 Start: 19962, Stop: 21557, Start Num: 212
Candidate Starts for Harella_23:
(Start: 147 @19878 has 120 MA's), (Start: 212 @19962 has 47 MA's), (Start: 260 @20040 has 1 MA's), (296, 20127), (301, 20142), (332, 20190), (349, 20229), (405, 20316), (420, 20349), (437, 20385), (454, 20415), (457, 20421), (538, 20490), (561, 20520), (565, 20532), (566, 20535), (591, 20592), (650, 20724), (651, 20730), (675, 20796), (677, 20802), (686, 20826), (704, 20874), (715, 20898), (721, 20907), (754, 20982), (810, 21033), (819, 21048), (867, 21210), (875, 21237), (885, 21267), (926, 21372), (971, 21450), (980, 21486), (983, 21495), (992, 21528), (998, 21543),

Gene: Harlequin_23 Start: 16299, Stop: 17924, Start Num: 182
Candidate Starts for Harlequin_23:
(Start: 171 @16284 has 28 MA's), (Start: 182 @16299 has 32 MA's), (Start: 212 @16341 has 47 MA's), (232, 16368), (256, 16404), (367, 16590), (439, 16719), (465, 16761), (478, 16788), (486, 16812), (495, 16830), (525, 16860), (534, 16875), (556, 16926), (590, 17010), (669, 17127), (675, 17151), (730, 17265), (748, 17313), (762, 17343), (772, 17382), (775, 17394), (808, 17424), (835, 17502), (894, 17649), (904, 17673), (917, 17709), (938, 17748), (998, 17916),

Gene: Harley_16 Start: 14800, Stop: 16509, Start Num: 142
Candidate Starts for Harley_16:
(Start: 142 @14800 has 207 MA's), (215, 14887), (Start: 249 @14932 has 2 MA's), (258, 14956), (299, 15061), (301, 15067), (309, 15085), (332, 15115), (390, 15220), (422, 15280), (434, 15301), (437, 15310), (447, 15328), (450, 15334), (475, 15376), (535, 15409), (539, 15421), (544, 15436), (546, 15442), (558, 15460), (564, 15475), (566, 15481), (573, 15502), (580, 15517), (582, 15520), (589, 15532), (591, 15538), (605, 15586), (611, 15598), (614, 15604), (648, 15664), (653, 15676), (666, 15712), (670, 15724), (677, 15745), (700, 15799), (704, 15808), (713, 15826), (715, 15832), (806, 15967), (810, 15976), (812, 15979), (825, 16015), (836, 16054), (847, 16093), (878, 16192), (885, 16213), (896, 16246), (911, 16276), (919, 16306), (922, 16312), (924, 16315), (928, 16321), (944, 16336), (945, 16339), (953, 16360), (955, 16363), (973, 16405), (992, 16477), (993, 16483),

Gene: HarryHoudini_30 Start: 20673, Stop: 22445, Start Num: 156
Candidate Starts for HarryHoudini_30:
(Start: 136 @20649 has 48 MA's), (Start: 156 @20673 has 559 MA's), (259, 20808), (269, 20826), (323, 20907), (325, 20910), (366, 20982), (367, 20985), (402, 21039), (406, 21045), (436, 21108), (445, 21123), (465, 21156), (479, 21189), (508, 21243), (550, 21324), (556, 21327), (567, 21357), (635, 21513), (675, 21600), (731, 21720), (774, 21843), (775, 21846), (777, 21852), (808, 21900), (825, 21942), (831, 21963), (835, 21978), (837, 21984), (855, 22038), (866, 22077), (869, 22092), (881, 22125), (896, 22170), (943, 22281), (945, 22287), (951, 22305), (968, 22341),

Gene: HarryOW_28 Start: 21487, Stop: 23289, Start Num: 159
Candidate Starts for HarryOW_28:
(Start: 159 @21487 has 217 MA's), (Start: 176 @21508 has 45 MA's), (Start: 204 @21550 has 1 MA's), (237, 21595), (367, 21811), (395, 21856), (402, 21865), (421, 21904), (448, 21955), (449,

21958), (495, 22051), (556, 22153), (581, 22222), (674, 22423), (675, 22426), (683, 22447), (730, 22543), (731, 22546), (733, 22552), (762, 22621), (767, 22639), (769, 22648), (777, 22678), (821, 22774), (831, 22807), (835, 22822), (879, 22963), (899, 23020), (945, 23131),

Gene: HashRod_30 Start: 20466, Stop: 22262, Start Num: 156
Candidate Starts for HashRod_30:
(Start: 156 @20466 has 559 MA's), (Start: 204 @20523 has 1 MA's), (215, 20538), (238, 20571), (254, 20592), (259, 20607), (Start: 303 @20694 has 11 MA's), (323, 20706), (325, 20709), (367, 20784), (376, 20799), (400, 20835), (467, 20958), (508, 21042), (567, 21156), (581, 21195), (615, 21282), (674, 21396), (683, 21420), (689, 21438), (731, 21519), (762, 21594), (767, 21612), (775, 21645), (777, 21651), (790, 21690), (820, 21744), (821, 21747), (828, 21768), (844, 21825), (899, 21993), (943, 22098), (945, 22104), (992, 22239),

Gene: HaveUMetTed_30 Start: 20453, Stop: 22249, Start Num: 156
Candidate Starts for HaveUMetTed_30:
(Start: 156 @20453 has 559 MA's), (Start: 204 @20510 has 1 MA's), (215, 20525), (254, 20579), (259, 20594), (Start: 303 @20681 has 11 MA's), (323, 20693), (325, 20696), (367, 20771), (376, 20786), (508, 21029), (581, 21182), (615, 21269), (674, 21383), (683, 21407), (687, 21419), (689, 21425), (731, 21506), (762, 21581), (767, 21599), (769, 21608), (775, 21632), (777, 21638), (790, 21677), (820, 21731), (821, 21734), (828, 21755), (899, 21980), (943, 22085), (945, 22091), (992, 22226),

Gene: Heathen_27 Start: 19708, Stop: 21507, Start Num: 156
Candidate Starts for Heathen_27:
(Start: 156 @19708 has 559 MA's), (Start: 204 @19768 has 1 MA's), (254, 19837), (Start: 303 @19939 has 11 MA's), (323, 19951), (325, 19954), (367, 20029), (376, 20044), (379, 20047), (402, 20083), (475, 20218), (508, 20287), (567, 20401), (615, 20527), (674, 20641), (683, 20665), (687, 20677), (689, 20683), (731, 20764), (762, 20839), (767, 20857), (769, 20866), (775, 20890), (777, 20896), (782, 20911), (803, 20953), (819, 20980), (820, 20989), (821, 20992), (828, 21013), (831, 21025), (899, 21238), (943, 21343), (945, 21349), (992, 21484),

Gene: Hedwig_20 Start: 16954, Stop: 18648, Start Num: 167
Candidate Starts for Hedwig_20:
(Start: 131 @16924 has 1 MA's), (Start: 167 @16954 has 22 MA's), (238, 17056), (266, 17107), (289, 17164), (333, 17215), (372, 17293), (377, 17299), (462, 17449), (535, 17572), (557, 17632), (570, 17668), (588, 17710), (619, 17752), (636, 17776), (654, 17806), (767, 18067), (801, 18142), (824, 18184), (837, 18229), (879, 18325), (880, 18328), (885, 18343), (949, 18502), (951, 18508), (984, 18595), (998, 18640),

Gene: HedwigODU_23 Start: 17157, Stop: 18923, Start Num: 178
Candidate Starts for HedwigODU_23:
(Start: 178 @17157 has 139 MA's), (198, 17187), (284, 17346), (295, 17379), (311, 17409), (329, 17442), (335, 17454), (371, 17544), (400, 17586), (436, 17658), (441, 17667), (465, 17706), (484, 17751), (491, 17772), (492, 17775), (527, 17829), (536, 17847), (551, 17889), (557, 17895), (567, 17922), (647, 18060), (656, 18078), (670, 18120), (676, 18138), (688, 18168), (702, 18195), (751, 18300), (821, 18459), (832, 18495), (841, 18525), (853, 18534), (879, 18609), (896, 18660), (948, 18759), (983, 18855), (993, 18894), (994, 18897), (1004, 18915),

Gene: Heffalump_30 Start: 22038, Stop: 23810, Start Num: 156
Candidate Starts for Heffalump_30:
(110, 21972), (Start: 136 @22014 has 48 MA's), (Start: 156 @22038 has 559 MA's), (323, 22272), (325, 22275), (366, 22347), (367, 22350), (402, 22404), (421, 22443), (445, 22488), (465, 22521), (508, 22608), (550, 22689), (556, 22692), (675, 22965), (731, 23085), (775, 23211), (808, 23265), (813, 23274), (821, 23295), (831, 23328), (835, 23343), (837, 23349), (855, 23403), (866, 23442),

(869, 23457), (899, 23541), (945, 23652),

Gene: Heftyboy_21 Start: 17643, Stop: 19415, Start Num: 181
Candidate Starts for Heftyboy_21:
(Start: 181 @17643 has 15 MA's), (Start: 186 @17649 has 1 MA's), (201, 17673), (228, 17706), (256, 17754), (277, 17808), (295, 17859), (329, 17922), (376, 18030), (436, 18138), (491, 18252), (492, 18255), (512, 18294), (527, 18309), (534, 18321), (536, 18327), (547, 18363), (551, 18369), (557, 18375), (571, 18414), (579, 18438), (647, 18540), (671, 18603), (687, 18648), (751, 18783), (782, 18882), (824, 18960), (831, 18984), (837, 19005), (851, 19023), (879, 19101), (881, 19107), (951, 19260), (988, 19365), (989, 19368), (993, 19386),

Gene: Hegedechwinu_17 Start: 14659, Stop: 16368, Start Num: 142
Candidate Starts for Hegedechwinu_17:
(Start: 142 @14659 has 207 MA's), (215, 14746), (Start: 249 @14791 has 2 MA's), (258, 14815), (299, 14920), (301, 14926), (309, 14944), (332, 14974), (390, 15079), (422, 15139), (434, 15160), (437, 15169), (450, 15193), (558, 15319), (564, 15334), (566, 15340), (580, 15376), (582, 15379), (589, 15391), (591, 15397), (605, 15445), (611, 15457), (614, 15463), (648, 15523), (653, 15535), (666, 15571), (670, 15583), (700, 15658), (704, 15667), (713, 15685), (715, 15691), (730, 15721), (806, 15826), (810, 15835), (812, 15838), (825, 15874), (847, 15952), (878, 16051), (885, 16072), (896, 16105), (911, 16135), (919, 16165), (924, 16174), (928, 16180), (944, 16195), (945, 16198), (955, 16222), (968, 16252), (973, 16264), (980, 16294), (992, 16336),

Gene: Heinz_19 Start: 15040, Stop: 16656, Start Num: 177
Candidate Starts for Heinz_19:
(Start: 177 @15040 has 11 MA's), (247, 15139), (255, 15163), (300, 15274), (301, 15277), (306, 15295), (317, 15304), (348, 15370), (361, 15385), (364, 15394), (368, 15400), (418, 15490), (446, 15544), (450, 15553), (566, 15643), (584, 15685), (586, 15688), (601, 15733), (607, 15754), (633, 15811), (642, 15826), (648, 15832), (651, 15841), (661, 15859), (691, 15949), (700, 15964), (746, 16063), (753, 16081), (761, 16093), (810, 16132), (821, 16159), (835, 16207), (839, 16219), (842, 16231), (848, 16252), (854, 16264), (858, 16279), (867, 16309), (878, 16345), (948, 16498), (964, 16534), (983, 16594), (984, 16597), (990, 16618), (998, 16642),

Gene: HelDan_27 Start: 19960, Stop: 21759, Start Num: 156
Candidate Starts for HelDan_27:
(Start: 156 @19960 has 559 MA's), (Start: 204 @20020 has 1 MA's), (254, 20089), (Start: 303 @20191 has 11 MA's), (323, 20203), (325, 20206), (367, 20281), (376, 20296), (379, 20299), (402, 20335), (475, 20470), (508, 20539), (567, 20653), (615, 20779), (674, 20893), (683, 20917), (687, 20929), (689, 20935), (731, 21016), (762, 21091), (767, 21109), (769, 21118), (775, 21142), (777, 21148), (782, 21163), (803, 21205), (819, 21232), (820, 21241), (821, 21244), (828, 21265), (831, 21277), (899, 21490), (943, 21595), (945, 21601), (992, 21736),

Gene: Heliosoles_29 Start: 20460, Stop: 22256, Start Num: 156
Candidate Starts for Heliosoles_29:
(Start: 156 @20460 has 559 MA's), (Start: 204 @20517 has 1 MA's), (215, 20532), (254, 20586), (259, 20601), (Start: 303 @20688 has 11 MA's), (323, 20700), (325, 20703), (367, 20778), (376, 20793), (508, 21036), (581, 21189), (615, 21276), (669, 21369), (674, 21390), (683, 21414), (687, 21426), (689, 21432), (731, 21513), (762, 21588), (767, 21606), (769, 21615), (775, 21639), (777, 21645), (782, 21660), (790, 21684), (820, 21738), (821, 21741), (828, 21762), (943, 22092), (945, 22098), (992, 22233),

Gene: Helmet_32 Start: 19977, Stop: 21749, Start Num: 156
Candidate Starts for Helmet_32:

(110, 19911), (Start: 136 @19953 has 48 MA's), (Start: 156 @19977 has 559 MA's), (325, 20214), (366, 20286), (367, 20289), (376, 20304), (402, 20343), (406, 20349), (465, 20460), (469, 20466), (484, 20505), (508, 20547), (536, 20586), (550, 20628), (556, 20631), (615, 20787), (684, 20928), (689, 20943), (777, 21156), (828, 21255), (835, 21282), (852, 21333), (855, 21342), (866, 21381), (867, 21384), (943, 21585), (945, 21591), (992, 21726),

Gene: Henry_24 Start: 19829, Stop: 21424, Start Num: 212
Candidate Starts for Henry_24:
(Start: 147 @19745 has 120 MA's), (Start: 212 @19829 has 47 MA's), (Start: 260 @19907 has 1 MA's), (296, 19994), (301, 20009), (332, 20057), (349, 20096), (405, 20183), (420, 20216), (437, 20252), (454, 20282), (457, 20288), (538, 20357), (561, 20387), (565, 20399), (566, 20402), (591, 20459), (650, 20591), (651, 20597), (675, 20663), (677, 20669), (686, 20693), (704, 20741), (715, 20765), (721, 20774), (754, 20849), (810, 20900), (819, 20915), (867, 21077), (875, 21104), (885, 21134), (926, 21239), (971, 21317), (980, 21353), (983, 21362), (992, 21395), (998, 21410),

Gene: Herbertwm_25 Start: 18795, Stop: 20585, Start Num: 156
Candidate Starts for Herbertwm_25:
(110, 18729), (Start: 136 @18771 has 48 MA's), (Start: 156 @18795 has 559 MA's), (210, 18855), (259, 18930), (Start: 260 @18933 has 1 MA's), (269, 18948), (323, 19029), (325, 19032), (367, 19107), (376, 19122), (402, 19161), (436, 19230), (479, 19311), (508, 19365), (536, 19404), (550, 19446), (687, 19755), (821, 20070), (824, 20079), (835, 20118), (837, 20124), (842, 20142), (844, 20148), (866, 20217), (869, 20232), (933, 20394), (943, 20421), (992, 20562),

Gene: Hercules11_29 Start: 20386, Stop: 22182, Start Num: 156
Candidate Starts for Hercules11_29:
(Start: 156 @20386 has 559 MA's), (Start: 204 @20443 has 1 MA's), (215, 20458), (238, 20491), (254, 20512), (259, 20527), (Start: 303 @20614 has 11 MA's), (323, 20626), (325, 20629), (367, 20704), (376, 20719), (400, 20755), (508, 20962), (567, 21076), (581, 21115), (674, 21316), (683, 21340), (689, 21358), (731, 21439), (762, 21514), (767, 21532), (775, 21565), (777, 21571), (790, 21610), (820, 21664), (821, 21667), (828, 21688), (844, 21745), (899, 21913), (943, 22018), (945, 22024), (992, 22159),

Gene: Hermia_30 Start: 22615, Stop: 24417, Start Num: 159
Candidate Starts for Hermia_30:
(Start: 159 @22615 has 217 MA's), (Start: 176 @22636 has 45 MA's), (Start: 204 @22678 has 1 MA's), (237, 22723), (367, 22939), (395, 22984), (402, 22993), (421, 23032), (448, 23083), (449, 23086), (556, 23281), (581, 23350), (674, 23551), (675, 23554), (683, 23575), (730, 23671), (731, 23674), (733, 23680), (762, 23749), (767, 23767), (769, 23776), (777, 23806), (821, 23902), (831, 23935), (835, 23950), (844, 23980), (879, 24091), (899, 24148), (945, 24259), (1000, 24412),

Gene: HermioneGrange_27 Start: 21061, Stop: 22863, Start Num: 159
Candidate Starts for HermioneGrange_27:
(Start: 159 @21061 has 217 MA's), (Start: 176 @21082 has 45 MA's), (Start: 204 @21124 has 1 MA's), (237, 21169), (367, 21385), (395, 21430), (402, 21439), (448, 21529), (449, 21532), (495, 21625), (556, 21727), (581, 21796), (670, 21985), (674, 21997), (675, 22000), (683, 22021), (730, 22117), (731, 22120), (733, 22126), (762, 22195), (767, 22213), (769, 22222), (777, 22252), (821, 22348), (831, 22381), (835, 22396), (879, 22537), (899, 22594), (945, 22705),

Gene: Herod_19 Start: 17764, Stop: 19362, Start Num: 213
Candidate Starts for Herod_19:
(Start: 213 @17764 has 53 MA's), (358, 18022), (367, 18040), (369, 18043), (406, 18097), (443, 18172), (479, 18241), (483, 18250), (488, 18262), (509, 18313), (521, 18340), (526, 18349), (528, 18352), (585, 18385), (613, 18442), (663, 18508), (700, 18619), (714, 18643), (730, 18679), (743,

18712), (768, 18781), (784, 18838), (836, 18928), (933, 19168), (965, 19246),

Gene: Hexamo_31 Start: 19945, Stop: 21717, Start Num: 156
Candidate Starts for Hexamo_31:
(110, 19879), (Start: 136 @19921 has 48 MA's), (Start: 156 @19945 has 559 MA's), (325, 20182), (366, 20254), (367, 20257), (376, 20272), (402, 20311), (406, 20317), (465, 20428), (469, 20434), (484, 20473), (508, 20515), (536, 20554), (550, 20596), (556, 20599), (615, 20755), (684, 20896), (689, 20911), (777, 21124), (828, 21223), (835, 21250), (852, 21301), (855, 21310), (866, 21349), (869, 21364), (899, 21448), (943, 21553), (945, 21559), (992, 21694),

Gene: Hexbug_20 Start: 15776, Stop: 17464, Start Num: 151
Candidate Starts for Hexbug_20:
(122, 15746), (Start: 141 @15773 has 37 MA's), (Start: 151 @15776 has 50 MA's), (259, 15917), (323, 16016), (344, 16067), (362, 16094), (445, 16244), (462, 16274), (477, 16301), (484, 16322), (488, 16331), (495, 16346), (525, 16376), (530, 16388), (535, 16394), (536, 16397), (540, 16412), (567, 16481), (598, 16562), (637, 16604), (644, 16613), (654, 16631), (672, 16676), (702, 16760), (727, 16796), (730, 16799), (731, 16802), (736, 16817), (744, 16835), (767, 16892), (775, 16925), (832, 17021), (835, 17033), (837, 17039), (840, 17048), (853, 17060), (878, 17132), (879, 17135), (880, 17138), (885, 17153), (925, 17261), (931, 17270), (945, 17303), (948, 17312), (992, 17441), (998, 17456),

Gene: Hibiscus_18 Start: 14988, Stop: 16604, Start Num: 177
Candidate Starts for Hibiscus_18:
(122, 14922), (Start: 177 @14988 has 11 MA's), (247, 15087), (255, 15111), (300, 15222), (301, 15225), (306, 15243), (317, 15252), (348, 15318), (361, 15333), (364, 15342), (368, 15348), (418, 15438), (446, 15492), (450, 15501), (566, 15591), (607, 15702), (642, 15774), (648, 15780), (651, 15789), (661, 15807), (691, 15897), (746, 16011), (753, 16029), (761, 16041), (810, 16080), (821, 16107), (835, 16155), (839, 16167), (842, 16179), (848, 16200), (854, 16212), (858, 16227), (867, 16257), (878, 16293), (948, 16446), (964, 16482), (983, 16542), (984, 16545), (990, 16566), (998, 16590),

Gene: Highbury_25 Start: 19407, Stop: 21086, Start Num: 147
Candidate Starts for Highbury_25:
(Start: 147 @19407 has 120 MA's), (Start: 212 @19491 has 47 MA's), (Start: 260 @19569 has 1 MA's), (296, 19656), (301, 19671), (332, 19719), (349, 19758), (405, 19845), (420, 19878), (437, 19914), (454, 19944), (457, 19950), (538, 20019), (561, 20049), (565, 20061), (566, 20064), (591, 20121), (650, 20253), (651, 20259), (675, 20325), (677, 20331), (686, 20355), (704, 20403), (715, 20427), (721, 20436), (754, 20511), (810, 20562), (819, 20577), (867, 20739), (875, 20766), (885, 20796), (926, 20901), (971, 20979), (980, 21015), (983, 21024), (992, 21057), (998, 21072),

Gene: Hilltopfarm_24 Start: 19638, Stop: 21473, Start Num: 121
Candidate Starts for Hilltopfarm_24:
(Start: 121 @19638 has 6 MA's), (Start: 163 @19686 has 1 MA's), (Start: 169 @19695 has 3 MA's), (201, 19734), (228, 19764), (237, 19776), (256, 19812), (268, 19842), (272, 19851), (277, 19866), (295, 19917), (296, 19920), (345, 20019), (417, 20160), (445, 20211), (448, 20217), (473, 20256), (491, 20310), (536, 20379), (551, 20421), (568, 20457), (571, 20466), (606, 20544), (611, 20553), (629, 20583), (644, 20616), (647, 20619), (670, 20679), (678, 20703), (682, 20712), (715, 20781), (761, 20886), (762, 20889), (769, 20916), (860, 21099), (968, 21354), (993, 21444), (994, 21447), (996, 21450),

Gene: HippoPololi_20 Start: 16592, Stop: 18283, Start Num: 151
Candidate Starts for HippoPololi_20:

(122, 16559), (Start: 151 @16592 has 50 MA's), (Start: 167 @16604 has 22 MA's), (241, 16706), (259, 16736), (377, 16940), (400, 16976), (421, 17018), (445, 17063), (495, 17165), (525, 17198), (530, 17210), (534, 17213), (553, 17270), (567, 17303), (572, 17318), (583, 17345), (598, 17384), (637, 17426), (644, 17435), (666, 17480), (674, 17504), (688, 17543), (736, 17639), (740, 17648), (744, 17657), (767, 17714), (771, 17732), (821, 17807), (835, 17855), (840, 17870), (853, 17882), (878, 17954), (879, 17957), (880, 17960), (881, 17963), (914, 18053), (925, 18080), (945, 18122), (948, 18131), (951, 18140),

Gene: Hiro_23 Start: 16605, Stop: 18230, Start Num: 182
Candidate Starts for Hiro_23:
(Start: 171 @16590 has 28 MA's), (Start: 182 @16605 has 32 MA's), (Start: 212 @16647 has 47 MA's), (232, 16674), (256, 16710), (342, 16851), (367, 16896), (439, 17025), (465, 17067), (475, 17085), (478, 17094), (486, 17118), (495, 17136), (525, 17166), (534, 17181), (535, 17184), (546, 17223), (556, 17232), (590, 17316), (635, 17370), (644, 17385), (669, 17433), (675, 17457), (730, 17571), (762, 17649), (772, 17688), (775, 17700), (778, 17709), (808, 17730), (835, 17808), (894, 17955), (938, 18054), (943, 18069), (998, 18222),

Gene: Hitter_19 Start: 16650, Stop: 18296, Start Num: 227
Candidate Starts for Hitter_19:
(203, 16614), (Start: 227 @16650 has 45 MA's), (283, 16752), (318, 16830), (321, 16833), (374, 16929), (396, 16968), (424, 17028), (435, 17049), (468, 17103), (475, 17118), (560, 17214), (591, 17289), (600, 17319), (677, 17502), (686, 17526), (700, 17577), (739, 17670), (744, 17682), (765, 17727), (799, 17742), (843, 17874), (844, 17877), (875, 17976), (881, 17994), (899, 18045), (925, 18111), (963, 18174), (968, 18186),

Gene: Hlubikazi_16 Start: 14904, Stop: 16613, Start Num: 142
Candidate Starts for Hlubikazi_16:
(Start: 142 @14904 has 207 MA's), (215, 14991), (Start: 249 @15036 has 2 MA's), (258, 15060), (299, 15165), (301, 15171), (309, 15189), (332, 15219), (390, 15324), (422, 15384), (434, 15405), (437, 15414), (450, 15438), (558, 15564), (564, 15579), (566, 15585), (580, 15621), (582, 15624), (589, 15636), (591, 15642), (605, 15690), (611, 15702), (614, 15708), (648, 15768), (653, 15780), (666, 15816), (670, 15828), (700, 15903), (704, 15912), (713, 15930), (715, 15936), (730, 15966), (806, 16071), (810, 16080), (812, 16083), (825, 16119), (847, 16197), (878, 16296), (885, 16317), (896, 16350), (911, 16380), (919, 16410), (924, 16419), (928, 16425), (944, 16440), (945, 16443), (955, 16467), (968, 16497), (973, 16509), (980, 16539), (992, 16581),

Gene: Holex_29 Start: 21753, Stop: 23543, Start Num: 156
Candidate Starts for Holex_29:
(Start: 153 @21750 has 9 MA's), (Start: 156 @21753 has 559 MA's), (323, 21987), (325, 21990), (366, 22062), (367, 22065), (376, 22080), (402, 22119), (406, 22125), (465, 22236), (508, 22323), (550, 22404), (556, 22407), (635, 22593), (669, 22656), (675, 22680), (677, 22686), (689, 22719), (731, 22800), (775, 22926), (788, 22968), (819, 23016), (821, 23028), (831, 23061), (835, 23076), (866, 23175), (867, 23178), (869, 23190), (899, 23274), (925, 23340), (943, 23379), (945, 23385), (964, 23430), (983, 23487), (984, 23490),

Gene: Holli_27 Start: 19617, Stop: 21395, Start Num: 156
Candidate Starts for Holli_27:
(Start: 136 @19593 has 48 MA's), (Start: 156 @19617 has 559 MA's), (Start: 204 @19674 has 1 MA's), (241, 19728), (254, 19743), (Start: 260 @19761 has 1 MA's), (Start: 303 @19845 has 11 MA's), (323, 19857), (325, 19860), (367, 19935), (376, 19950), (402, 19989), (465, 20106), (508, 20193), (550, 20274), (572, 20322), (581, 20346), (615, 20433), (644, 20478), (675, 20550), (683, 20571), (689, 20589), (731, 20670), (767, 20763), (769, 20772), (775, 20796), (777, 20802), (784, 20826), (821, 20880), (828, 20901), (842, 20952), (850, 20976), (867, 21030), (899, 21126), (943, 21231),

(948, 21246), (987, 21354), (992, 21372),

Gene: Holliday_20 Start: 16421, Stop: 18118, Start Num: 156
Candidate Starts for Holliday_20:
(122, 16382), (Start: 156 @16421 has 559 MA's), (Start: 169 @16433 has 3 MA's), (Start: 195 @16472 has 1 MA's), (223, 16511), (238, 16532), (266, 16580), (271, 16589), (286, 16631), (323, 16667), (346, 16724), (377, 16772), (393, 16799), (473, 16940), (495, 16997), (506, 17015), (522, 17024), (525, 17030), (543, 17078), (557, 17108), (570, 17144), (572, 17150), (579, 17171), (581, 17174), (602, 17225), (636, 17252), (637, 17255), (654, 17282), (666, 17309), (691, 17381), (710, 17420), (743, 17474), (761, 17516), (783, 17591), (824, 17654), (832, 17681), (833, 17684), (837, 17699), (875, 17783), (878, 17792), (879, 17795), (881, 17801), (885, 17813), (887, 17816), (897, 17846), (900, 17852), (909, 17873), (911, 17876), (933, 17930), (945, 17960), (948, 17969), (970, 18020), (980, 18053), (984, 18065), (989, 18083),

Gene: Holt_25 Start: 19026, Stop: 20705, Start Num: 147
Candidate Starts for Holt_25:
(Start: 147 @19026 has 120 MA's), (Start: 212 @19110 has 47 MA's), (Start: 260 @19188 has 1 MA's), (296, 19275), (301, 19290), (332, 19338), (349, 19377), (405, 19464), (420, 19497), (437, 19533), (454, 19563), (457, 19569), (538, 19638), (561, 19668), (565, 19680), (566, 19683), (591, 19740), (650, 19872), (651, 19878), (675, 19944), (677, 19950), (686, 19974), (704, 20022), (715, 20046), (721, 20055), (754, 20130), (810, 20181), (819, 20196), (867, 20358), (875, 20385), (885, 20415), (926, 20520), (971, 20598), (980, 20634), (983, 20643), (992, 20676), (998, 20691),

Gene: Homines_27 Start: 21386, Stop: 23188, Start Num: 159
Candidate Starts for Homines_27:
(Start: 159 @21386 has 217 MA's), (Start: 176 @21407 has 45 MA's), (Start: 204 @21449 has 1 MA's), (237, 21494), (367, 21710), (395, 21755), (402, 21764), (421, 21803), (448, 21854), (449, 21857), (495, 21950), (556, 22052), (581, 22121), (674, 22322), (675, 22325), (683, 22346), (730, 22442), (731, 22445), (733, 22451), (762, 22520), (767, 22538), (769, 22547), (777, 22577), (821, 22673), (831, 22706), (835, 22721), (879, 22862), (899, 22919), (945, 23030), (1000, 23183),

Gene: Homura_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Homura_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Hookmount_28 Start: 20456, Stop: 22255, Start Num: 156
Candidate Starts for Hookmount_28:
(Start: 156 @20456 has 559 MA's), (Start: 204 @20516 has 1 MA's), (254, 20585), (Start: 303 @20687 has 11 MA's), (323, 20699), (325, 20702), (367, 20777), (376, 20792), (402, 20831), (475, 20966), (508, 21035), (567, 21149), (615, 21275), (674, 21389), (683, 21413), (687, 21425), (689, 21431), (731, 21512), (762, 21587), (767, 21605), (769, 21614), (775, 21638), (777, 21644), (782, 21659), (800, 21692), (820, 21737), (821, 21740), (828, 21761), (867, 21890), (899, 21986), (943, 22091), (945, 22097), (992, 22232),

Gene: Hoonter_26 Start: 19736, Stop: 21415, Start Num: 147
Candidate Starts for Hoonter_26:
(Start: 147 @19736 has 120 MA's), (Start: 212 @19820 has 47 MA's), (Start: 260 @19898 has 1 MA's), (296, 19985), (301, 20000), (332, 20048), (349, 20087), (405, 20174), (420, 20207), (437,

20243), (454, 20273), (457, 20279), (538, 20348), (561, 20378), (565, 20390), (566, 20393), (591, 20450), (650, 20582), (651, 20588), (675, 20654), (677, 20660), (686, 20684), (704, 20732), (715, 20756), (721, 20765), (754, 20840), (810, 20891), (819, 20906), (867, 21068), (875, 21095), (885, 21125), (926, 21230), (971, 21308), (980, 21344), (983, 21353), (992, 21386), (998, 21401),

Gene: Hoot_31 Start: 19955, Stop: 21727, Start Num: 156
Candidate Starts for Hoot_31:
(110, 19889), (Start: 136 @19931 has 48 MA's), (Start: 156 @19955 has 559 MA's), (286, 20153), (325, 20192), (366, 20264), (367, 20267), (379, 20285), (402, 20321), (406, 20327), (465, 20438), (469, 20444), (484, 20483), (508, 20525), (536, 20564), (550, 20606), (556, 20609), (575, 20669), (684, 20906), (689, 20921), (731, 21002), (777, 21134), (835, 21260), (852, 21311), (855, 21320), (866, 21359), (867, 21362), (869, 21374), (899, 21458), (943, 21563), (945, 21569), (992, 21704),

Gene: Hope_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Hope_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Hope4ever_27 Start: 21502, Stop: 23304, Start Num: 159
Candidate Starts for Hope4ever_27:
(Start: 159 @21502 has 217 MA's), (Start: 176 @21523 has 45 MA's), (Start: 204 @21565 has 1 MA's), (237, 21610), (367, 21826), (395, 21871), (402, 21880), (421, 21919), (448, 21970), (449, 21973), (495, 22066), (556, 22168), (581, 22237), (670, 22426), (674, 22438), (675, 22441), (683, 22462), (730, 22558), (731, 22561), (733, 22567), (762, 22636), (767, 22654), (769, 22663), (777, 22693), (821, 22789), (831, 22822), (835, 22837), (879, 22978), (899, 23035), (945, 23146),

Gene: Hopey_26 Start: 20107, Stop: 21702, Start Num: 212
Candidate Starts for Hopey_26:
(Start: 147 @20023 has 120 MA's), (Start: 212 @20107 has 47 MA's), (Start: 260 @20185 has 1 MA's), (296, 20272), (301, 20287), (332, 20335), (349, 20374), (405, 20461), (420, 20494), (437, 20530), (454, 20560), (457, 20566), (538, 20635), (561, 20665), (565, 20677), (566, 20680), (591, 20737), (650, 20869), (651, 20875), (675, 20941), (677, 20947), (686, 20971), (704, 21019), (715, 21043), (721, 21052), (754, 21127), (810, 21178), (819, 21193), (867, 21355), (875, 21382), (885, 21412), (926, 21517), (971, 21595), (980, 21631), (983, 21640), (992, 21673), (998, 21688),

Gene: Horseradish_19 Start: 15276, Stop: 16973, Start Num: 151
Candidate Starts for Horseradish_19:
(122, 15246), (Start: 141 @15273 has 37 MA's), (Start: 151 @15276 has 50 MA's), (287, 15486), (395, 15654), (400, 15660), (456, 15768), (477, 15804), (488, 15834), (495, 15849), (525, 15882), (530, 15894), (543, 15930), (567, 15987), (571, 15999), (644, 16119), (655, 16140), (666, 16164), (731, 16314), (736, 16329), (744, 16347), (767, 16404), (832, 16533), (835, 16545), (841, 16563), (853, 16572), (878, 16644), (879, 16647), (881, 16653), (885, 16665), (925, 16770), (931, 16779), (945, 16812), (989, 16938),

Gene: Hortense_20 Start: 17902, Stop: 19482, Start Num: 213
Candidate Starts for Hortense_20:
(123, 17785), (Start: 213 @17902 has 53 MA's), (358, 18160), (369, 18181), (406, 18235), (423, 18274), (455, 18331), (469, 18352), (585, 18523), (592, 18541), (606, 18565), (631, 18586), (663, 18628), (691, 18709), (730, 18799), (751, 18850), (768, 18901), (769, 18904), (784, 18958), (836,

19048), (948, 19327), (951, 19336), (965, 19366),

Gene: HortumSL17_30 Start: 21746, Stop: 23539, Start Num: 153
Candidate Starts for HortumSL17_30:
(Start: 153 @21746 has 9 MA's), (Start: 156 @21749 has 559 MA's), (323, 21983), (325, 21986), (366, 22058), (367, 22061), (376, 22076), (402, 22115), (406, 22121), (465, 22232), (508, 22319), (550, 22400), (556, 22403), (635, 22589), (669, 22652), (675, 22676), (677, 22682), (689, 22715), (731, 22796), (775, 22922), (788, 22964), (790, 22967), (821, 23024), (831, 23057), (835, 23072), (866, 23171), (867, 23174), (869, 23186), (899, 23270), (925, 23336), (943, 23375), (945, 23381), (964, 23426), (983, 23483), (984, 23486),

Gene: Horus_20 Start: 16434, Stop: 18131, Start Num: 156
Candidate Starts for Horus_20:
(122, 16395), (Start: 156 @16434 has 559 MA's), (Start: 169 @16446 has 3 MA's), (Start: 171 @16449 has 28 MA's), (Start: 195 @16485 has 1 MA's), (223, 16524), (238, 16545), (261, 16587), (266, 16593), (268, 16596), (273, 16608), (286, 16644), (323, 16680), (346, 16737), (377, 16785), (393, 16812), (448, 16914), (473, 16953), (495, 17010), (506, 17028), (522, 17037), (525, 17043), (543, 17091), (557, 17121), (570, 17157), (572, 17163), (579, 17184), (581, 17187), (602, 17238), (636, 17265), (637, 17268), (654, 17295), (666, 17322), (691, 17394), (710, 17433), (743, 17487), (769, 17559), (783, 17604), (832, 17694), (837, 17712), (875, 17796), (878, 17805), (879, 17808), (881, 17814), (887, 17829), (897, 17859), (900, 17865), (909, 17886), (911, 17889), (933, 17943), (945, 17973), (948, 17982), (970, 18033), (980, 18066), (984, 18078), (989, 18096),

Gene: Hotshotbaby7_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Hotshotbaby7_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Houdini22_27 Start: 19831, Stop: 21609, Start Num: 156
Candidate Starts for Houdini22_27:
(Start: 136 @19807 has 48 MA's), (Start: 156 @19831 has 559 MA's), (Start: 204 @19888 has 1 MA's), (241, 19942), (254, 19957), (Start: 260 @19975 has 1 MA's), (Start: 303 @20059 has 11 MA's), (323, 20071), (325, 20074), (367, 20149), (376, 20164), (402, 20203), (465, 20320), (508, 20407), (550, 20488), (572, 20536), (581, 20560), (615, 20647), (644, 20692), (675, 20764), (683, 20785), (689, 20803), (731, 20884), (767, 20977), (769, 20986), (775, 21010), (777, 21016), (784, 21040), (821, 21094), (828, 21115), (842, 21166), (850, 21190), (867, 21244), (899, 21340), (943, 21445), (948, 21460), (987, 21568), (992, 21586),

Gene: Howe_20 Start: 17902, Stop: 19482, Start Num: 213
Candidate Starts for Howe_20:
(123, 17785), (Start: 213 @17902 has 53 MA's), (358, 18160), (369, 18181), (406, 18235), (423, 18274), (455, 18331), (469, 18352), (585, 18523), (592, 18541), (606, 18565), (631, 18586), (663, 18628), (691, 18709), (730, 18799), (751, 18850), (768, 18901), (769, 18904), (784, 18958), (836, 19048), (948, 19327), (951, 19336), (965, 19366),

Gene: HubbaBubba_39 Start: 26578, Stop: 28194, Start Num: 202
Candidate Starts for HubbaBubba_39:
(Start: 202 @26578 has 36 MA's), (209, 26587), (Start: 211 @26590 has 16 MA's), (Start: 231 @26614 has 1 MA's), (277, 26692), (367, 26875), (406, 26932), (410, 26944), (417, 26959), (458, 27025), (469,

27040), (481, 27064), (519, 27151), (522, 27157), (535, 27181), (562, 27241), (571, 27271), (577, 27292), (654, 27397), (663, 27418), (704, 27505), (728, 27553), (773, 27679), (785, 27715), (878, 27880), (884, 27898), (896, 27934), (976, 28108), (980, 28120), (998, 28177),

Gene: HufflyPuff_23 Start: 19814, Stop: 21409, Start Num: 212
Candidate Starts for HufflyPuff_23:
(Start: 147 @19730 has 120 MA's), (Start: 212 @19814 has 47 MA's), (Start: 260 @19892 has 1 MA's), (296, 19979), (301, 19994), (332, 20042), (349, 20081), (405, 20168), (420, 20201), (437, 20237), (454, 20267), (457, 20273), (538, 20342), (561, 20372), (565, 20384), (566, 20387), (591, 20444), (650, 20576), (651, 20582), (675, 20648), (677, 20654), (686, 20678), (704, 20726), (715, 20750), (721, 20759), (754, 20834), (810, 20885), (819, 20900), (867, 21062), (875, 21089), (885, 21119), (926, 21224), (971, 21302), (980, 21338), (983, 21347), (992, 21380), (998, 21395),

Gene: Huffy_24 Start: 16702, Stop: 18030, Start Num: 303
Candidate Starts for Huffy_24:
(Start: 303 @16702 has 11 MA's), (315, 16717), (378, 16831), (399, 16861), (421, 16906), (445, 16951), (477, 17008), (483, 17026), (486, 17035), (494, 17059), (496, 17065), (497, 17068), (526, 17119), (533, 17131), (596, 17173), (639, 17224), (646, 17233), (660, 17242), (675, 17287), (730, 17398), (747, 17443), (771, 17512), (780, 17533), (833, 17614), (851, 17647), (885, 17734), (899, 17770), (906, 17785), (910, 17794), (933, 17836), (972, 17929), (975, 17947), (992, 18004), (995, 18013),

Gene: Hughesyang_35 Start: 27496, Stop: 29229, Start Num: 141
Candidate Starts for Hughesyang_35:
(Start: 141 @27496 has 37 MA's), (Start: 212 @27586 has 47 MA's), (245, 27634), (258, 27664), (272, 27691), (317, 27793), (334, 27823), (385, 27922), (407, 27958), (409, 27964), (420, 27985), (457, 28057), (464, 28066), (475, 28087), (546, 28156), (566, 28195), (567, 28198), (572, 28213), (591, 28252), (605, 28300), (611, 28312), (614, 28318), (630, 28366), (635, 28375), (650, 28396), (658, 28414), (673, 28462), (713, 28564), (740, 28624), (746, 28636), (819, 28720), (821, 28732), (822, 28738), (827, 28750), (828, 28753), (839, 28792), (844, 28810), (857, 28846), (858, 28852), (885, 28939), (918, 29029), (948, 29071), (958, 29089), (969, 29119), (981, 29161), (998, 29215),

Gene: Hugley_19 Start: 17764, Stop: 19362, Start Num: 213
Candidate Starts for Hugley_19:
(Start: 213 @17764 has 53 MA's), (358, 18022), (367, 18040), (369, 18043), (406, 18097), (443, 18172), (479, 18241), (483, 18250), (488, 18262), (509, 18313), (521, 18340), (526, 18349), (528, 18352), (585, 18385), (613, 18442), (663, 18508), (700, 18619), (714, 18643), (730, 18679), (743, 18712), (768, 18781), (784, 18838), (836, 18928), (933, 19168), (965, 19246),

Gene: HuhtaEnerson15_24 Start: 19658, Stop: 21454, Start Num: 156
Candidate Starts for HuhtaEnerson15_24:
(Start: 156 @19658 has 559 MA's), (241, 19763), (Start: 260 @19796 has 1 MA's), (325, 19895), (367, 19970), (376, 19985), (400, 20021), (436, 20093), (445, 20108), (469, 20147), (479, 20174), (488, 20195), (519, 20234), (575, 20372), (579, 20378), (670, 20570), (671, 20573), (674, 20582), (689, 20624), (694, 20642), (730, 20702), (731, 20705), (767, 20798), (769, 20807), (775, 20831), (820, 20939), (831, 20975), (899, 21185), (942, 21287), (945, 21296), (986, 21410), (992, 21431), (994, 21440),

Gene: Huphlepuff_52 Start: 27205, Stop: 28917, Start Num: 175
Candidate Starts for Huphlepuff_52:
(122, 27142), (Start: 175 @27205 has 56 MA's), (Start: 233 @27286 has 1 MA's), (266, 27343), (296, 27424), (298, 27430), (339, 27487), (342, 27499), (346, 27511), (367, 27550), (376, 27565), (417, 27634), (445, 27688), (449, 27697), (539, 27853), (562, 27901), (564, 27910), (567, 27919), (581,

27958), (590, 27973), (636, 28036), (644, 28048), (689, 28165), (690, 28168), (712, 28219), (729, 28246), (731, 28249), (738, 28270), (758, 28312), (820, 28432), (826, 28450), (881, 28594), (896, 28639), (905, 28657), (942, 28741), (945, 28750), (951, 28768), (961, 28789), (977, 28834), (979, 28840), (983, 28852), (986, 28864), (990, 28876), (998, 28900), (1002, 28906),

Gene: Hurricane_22 Start: 17587, Stop: 19350, Start Num: 178
Candidate Starts for Hurricane_22:
(Start: 171 @17578 has 28 MA's), (Start: 178 @17587 has 139 MA's), (255, 17689), (277, 17746), (295, 17797), (311, 17827), (325, 17851), (436, 18082), (441, 18091), (448, 18103), (491, 18196), (492, 18199), (536, 18271), (539, 18280), (551, 18313), (557, 18319), (571, 18358), (587, 18394), (647, 18484), (671, 18547), (707, 18634), (751, 18727), (774, 18802), (835, 18931), (851, 18955), (863, 18982), (881, 19039), (896, 19084), (948, 19186), (962, 19213), (980, 19273), (983, 19282), (989, 19303), (993, 19321), (996, 19327), (1004, 19342),

Gene: Hutc2_28 Start: 20752, Stop: 22551, Start Num: 156
Candidate Starts for Hutc2_28:
(110, 20686), (Start: 136 @20728 has 48 MA's), (Start: 156 @20752 has 559 MA's), (Start: 196 @20794 has 2 MA's), (Start: 260 @20890 has 1 MA's), (269, 20905), (323, 20986), (325, 20989), (367, 21064), (376, 21079), (402, 21118), (406, 21124), (430, 21175), (465, 21235), (469, 21241), (508, 21322), (556, 21406), (603, 21532), (609, 21550), (622, 21577), (689, 21718), (723, 21784), (730, 21796), (731, 21799), (800, 21988), (813, 22015), (819, 22024), (824, 22045), (825, 22048), (831, 22069), (835, 22084), (842, 22108), (866, 22183), (869, 22198), (899, 22282), (943, 22387), (945, 22393), (968, 22447), (1000, 22546),

Gene: Huxley_27 Start: 19891, Stop: 21669, Start Num: 156
Candidate Starts for Huxley_27:
(Start: 136 @19867 has 48 MA's), (Start: 156 @19891 has 559 MA's), (Start: 204 @19948 has 1 MA's), (241, 20002), (254, 20017), (Start: 260 @20035 has 1 MA's), (Start: 303 @20119 has 11 MA's), (323, 20131), (325, 20134), (367, 20209), (376, 20224), (402, 20263), (465, 20380), (508, 20467), (550, 20548), (572, 20596), (581, 20620), (615, 20707), (644, 20752), (675, 20824), (683, 20845), (689, 20863), (731, 20944), (767, 21037), (769, 21046), (775, 21070), (777, 21076), (784, 21100), (821, 21154), (828, 21175), (842, 21226), (850, 21250), (899, 21400), (943, 21505), (948, 21520), (987, 21628), (992, 21646),

Gene: Hyperbowlee_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Hyperbowlee_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Hyzer_19 Start: 17835, Stop: 19433, Start Num: 213
Candidate Starts for Hyzer_19:
(89, 17634), (Start: 213 @17835 has 53 MA's), (358, 18093), (367, 18111), (369, 18114), (406, 18168), (443, 18243), (479, 18312), (483, 18321), (488, 18333), (509, 18384), (521, 18411), (526, 18420), (528, 18423), (585, 18456), (613, 18513), (663, 18579), (700, 18690), (714, 18714), (730, 18750), (768, 18852), (836, 18999), (933, 19239), (965, 19317),

Gene: ICleared_27 Start: 19825, Stop: 21603, Start Num: 156
Candidate Starts for ICleared_27:

(Start: 136 @19801 has 48 MA's), (Start: 156 @19825 has 559 MA's), (Start: 204 @19882 has 1 MA's), (241, 19936), (254, 19951), (Start: 260 @19969 has 1 MA's), (Start: 303 @20053 has 11 MA's), (323, 20065), (325, 20068), (367, 20143), (376, 20158), (402, 20197), (465, 20314), (508, 20401), (550, 20482), (572, 20530), (581, 20554), (615, 20641), (644, 20686), (675, 20758), (683, 20779), (689, 20797), (731, 20878), (767, 20971), (769, 20980), (775, 21004), (777, 21010), (784, 21034), (821, 21088), (828, 21109), (842, 21160), (850, 21184), (867, 21238), (899, 21334), (943, 21439), (948, 21454), (987, 21562), (992, 21580),

Gene: IDyn_42 Start: 27974, Stop: 29590, Start Num: 202
Candidate Starts for IDyn_42:
(Start: 202 @27974 has 36 MA's), (Start: 211 @27986 has 16 MA's), (Start: 231 @28010 has 1 MA's), (277, 28088), (367, 28271), (406, 28328), (410, 28340), (417, 28355), (458, 28421), (469, 28436), (481, 28460), (519, 28547), (522, 28553), (535, 28577), (562, 28637), (571, 28667), (577, 28688), (654, 28793), (663, 28814), (704, 28901), (728, 28949), (773, 29075), (785, 29111), (878, 29276), (884, 29294), (896, 29330), (976, 29504), (980, 29516), (998, 29573),

Gene: IHOP_24 Start: 20006, Stop: 21601, Start Num: 212
Candidate Starts for IHOP_24:
(Start: 147 @19922 has 120 MA's), (Start: 212 @20006 has 47 MA's), (Start: 260 @20084 has 1 MA's), (296, 20171), (301, 20186), (332, 20234), (349, 20273), (405, 20360), (420, 20393), (437, 20429), (454, 20459), (457, 20465), (538, 20534), (561, 20564), (565, 20576), (566, 20579), (591, 20636), (650, 20768), (651, 20774), (675, 20840), (677, 20846), (686, 20870), (704, 20918), (715, 20942), (721, 20951), (754, 21026), (810, 21077), (819, 21092), (867, 21254), (875, 21281), (885, 21311), (926, 21416), (971, 21494), (980, 21530), (983, 21539), (992, 21572), (998, 21587),

Gene: ILeeKay_29 Start: 21266, Stop: 23068, Start Num: 159
Candidate Starts for ILeeKay_29:
(Start: 159 @21266 has 217 MA's), (Start: 176 @21287 has 45 MA's), (Start: 204 @21329 has 1 MA's), (237, 21374), (367, 21590), (395, 21635), (402, 21644), (421, 21683), (448, 21734), (449, 21737), (556, 21932), (581, 22001), (674, 22202), (675, 22205), (683, 22226), (730, 22322), (731, 22325), (733, 22331), (762, 22400), (767, 22418), (769, 22427), (777, 22457), (821, 22553), (831, 22586), (835, 22601), (879, 22742), (899, 22799), (945, 22910),

Gene: IMpilo_16 Start: 14837, Stop: 16546, Start Num: 142
Candidate Starts for IMpilo_16:
(Start: 142 @14837 has 207 MA's), (215, 14924), (Start: 249 @14969 has 2 MA's), (258, 14993), (299, 15098), (301, 15104), (309, 15122), (332, 15152), (390, 15257), (422, 15317), (425, 15326), (432, 15335), (434, 15338), (437, 15347), (450, 15371), (535, 15446), (558, 15497), (564, 15512), (566, 15518), (580, 15554), (582, 15557), (589, 15569), (591, 15575), (605, 15623), (611, 15635), (614, 15641), (648, 15701), (653, 15713), (666, 15749), (670, 15761), (700, 15836), (704, 15845), (713, 15863), (715, 15869), (730, 15899), (806, 16004), (810, 16013), (812, 16016), (825, 16052), (847, 16130), (878, 16229), (885, 16250), (896, 16283), (911, 16313), (919, 16343), (924, 16352), (928, 16358), (944, 16373), (945, 16376), (955, 16400), (968, 16430), (973, 16442), (980, 16472), (992, 16514),

Gene: IPhane7_28 Start: 22368, Stop: 24104, Start Num: 161
Candidate Starts for IPhane7_28:
(69, 22146), (Start: 119 @22326 has 3 MA's), (Start: 128 @22341 has 2 MA's), (Start: 161 @22368 has 14 MA's), (Start: 176 @22383 has 45 MA's), (201, 22422), (223, 22452), (Start: 227 @22458 has 45 MA's), (237, 22470), (291, 22575), (295, 22590), (323, 22629), (389, 22752), (395, 22761), (445, 22857), (471, 22899), (473, 22902), (562, 23079), (610, 23190), (636, 23217), (669, 23289), (670, 23298), (671, 23301), (675, 23313), (730, 23433), (731, 23436), (746, 23478), (761, 23508), (764, 23514), (824, 23634), (826, 23640), (969, 23994), (977, 24021), (983, 24039), (985, 24048),

Gene: IbOuu_16 Start: 14805, Stop: 16514, Start Num: 142
Candidate Starts for IbOuu_16:
(Start: 142 @14805 has 207 MA's), (215, 14892), (Start: 249 @14937 has 2 MA's), (258, 14961), (299, 15066), (301, 15072), (309, 15090), (332, 15120), (390, 15225), (419, 15279), (422, 15285), (425, 15294), (434, 15306), (437, 15315), (450, 15339), (558, 15465), (564, 15480), (566, 15486), (580, 15522), (589, 15537), (591, 15543), (605, 15591), (611, 15603), (614, 15609), (648, 15669), (653, 15681), (666, 15717), (670, 15729), (700, 15804), (704, 15813), (713, 15831), (715, 15837), (730, 15867), (806, 15972), (810, 15981), (812, 15984), (825, 16020), (847, 16098), (878, 16197), (885, 16218), (896, 16251), (911, 16281), (919, 16311), (924, 16320), (928, 16326), (944, 16341), (945, 16344), (953, 16365), (955, 16368), (973, 16410), (980, 16440), (992, 16482),

Gene: Ibhubesi_16 Start: 14800, Stop: 16509, Start Num: 142
Candidate Starts for Ibhubesi_16:
(Start: 142 @14800 has 207 MA's), (215, 14887), (Start: 249 @14932 has 2 MA's), (258, 14956), (299, 15061), (301, 15067), (309, 15085), (332, 15115), (390, 15220), (422, 15280), (434, 15301), (437, 15310), (447, 15328), (450, 15334), (475, 15376), (535, 15409), (539, 15421), (544, 15436), (546, 15442), (558, 15460), (564, 15475), (566, 15481), (573, 15502), (580, 15517), (582, 15520), (589, 15532), (591, 15538), (605, 15586), (611, 15598), (614, 15604), (648, 15664), (653, 15676), (666, 15712), (670, 15724), (677, 15745), (700, 15799), (704, 15808), (713, 15826), (715, 15832), (806, 15967), (810, 15976), (812, 15979), (825, 16015), (836, 16054), (847, 16093), (878, 16192), (885, 16213), (896, 16246), (911, 16276), (919, 16306), (922, 16312), (924, 16315), (928, 16321), (944, 16336), (945, 16339), (953, 16360), (955, 16363), (973, 16405), (992, 16477), (993, 16483),

Gene: Ibrahim_19 Start: 16980, Stop: 18686, Start Num: 175
Candidate Starts for Ibrahim_19:
(101, 16872), (106, 16884), (Start: 175 @16980 has 56 MA's), (223, 17046), (273, 17121), (275, 17127), (Start: 303 @17211 has 11 MA's), (343, 17265), (366, 17310), (367, 17313), (409, 17379), (562, 17664), (674, 17886), (758, 18075), (826, 18213), (830, 18225), (896, 18402), (912, 18438), (977, 18603), (985, 18630), (998, 18669), (1002, 18675),

Gene: Icee_23 Start: 19489, Stop: 21084, Start Num: 212
Candidate Starts for Icee_23:
(Start: 147 @19405 has 120 MA's), (Start: 212 @19489 has 47 MA's), (Start: 260 @19567 has 1 MA's), (296, 19654), (301, 19669), (332, 19717), (349, 19756), (405, 19843), (420, 19876), (437, 19912), (454, 19942), (457, 19948), (538, 20017), (561, 20047), (565, 20059), (566, 20062), (591, 20119), (650, 20251), (651, 20257), (675, 20323), (677, 20329), (686, 20353), (704, 20401), (715, 20425), (721, 20434), (754, 20509), (810, 20560), (819, 20575), (867, 20737), (875, 20764), (885, 20794), (926, 20899), (971, 20977), (980, 21013), (983, 21022), (992, 21055), (998, 21070),

Gene: Iceman_28 Start: 20116, Stop: 21894, Start Num: 156
Candidate Starts for Iceman_28:
(Start: 136 @20092 has 48 MA's), (Start: 156 @20116 has 559 MA's), (Start: 204 @20173 has 1 MA's), (241, 20227), (254, 20242), (Start: 260 @20260 has 1 MA's), (Start: 303 @20344 has 11 MA's), (323, 20356), (325, 20359), (367, 20434), (376, 20449), (402, 20488), (465, 20605), (508, 20692), (550, 20773), (572, 20821), (581, 20845), (615, 20932), (644, 20977), (675, 21049), (683, 21070), (689, 21088), (731, 21169), (767, 21262), (769, 21271), (775, 21295), (777, 21301), (784, 21325), (821, 21379), (828, 21400), (842, 21451), (850, 21475), (867, 21529), (899, 21625), (943, 21730), (948, 21745), (987, 21853), (992, 21871),

Gene: Ichabod_28 Start: 21290, Stop: 23092, Start Num: 159
Candidate Starts for Ichabod_28:

(Start: 159 @21290 has 217 MA's), (Start: 176 @21311 has 45 MA's), (Start: 204 @21353 has 1 MA's), (237, 21398), (367, 21614), (395, 21659), (402, 21668), (421, 21707), (448, 21758), (449, 21761), (556, 21956), (581, 22025), (674, 22226), (675, 22229), (683, 22250), (730, 22346), (731, 22349), (733, 22355), (762, 22424), (767, 22442), (769, 22451), (777, 22481), (821, 22577), (831, 22610), (835, 22625), (879, 22766), (899, 22823), (945, 22934),

Gene: IdentityCrisis_17 Start: 14307, Stop: 16073, Start Num: 153
Candidate Starts for IdentityCrisis_17:
(Start: 153 @14307 has 9 MA's), (208, 14379), (Start: 260 @14460 has 1 MA's), (273, 14484), (289, 14526), (351, 14628), (367, 14652), (379, 14670), (448, 14805), (473, 14844), (518, 14949), (535, 14979), (552, 15027), (670, 15243), (730, 15375), (767, 15471), (781, 15522), (835, 15648), (837, 15654), (878, 15747), (879, 15750), (941, 15897), (945, 15912), (990, 16041), (992, 16050),

Gene: Idergollasper_56 Start: 33475, Stop: 35211, Start Num: 126
Candidate Starts for Idergollasper_56:
(Start: 120 @33466 has 2 MA's), (Start: 126 @33475 has 26 MA's), (Start: 195 @33565 has 1 MA's), (266, 33682), (282, 33718), (291, 33739), (299, 33766), (301, 33772), (336, 33826), (363, 33877), (437, 34015), (440, 34021), (472, 34072), (473, 34075), (482, 34093), (558, 34144), (566, 34165), (567, 34168), (589, 34216), (591, 34222), (605, 34270), (607, 34276), (611, 34282), (632, 34342), (648, 34366), (650, 34369), (666, 34414), (671, 34429), (674, 34438), (677, 34447), (693, 34492), (704, 34510), (721, 34543), (812, 34681), (820, 34702), (840, 34768), (848, 34798), (865, 34852), (878, 34894), (885, 34915), (892, 34936), (896, 34948), (907, 34969), (928, 35023), (971, 35101), (980, 35137), (986, 35158), (993, 35185),

Gene: Idleandcovert_27 Start: 19904, Stop: 21700, Start Num: 156
Candidate Starts for Idleandcovert_27:
(Start: 156 @19904 has 559 MA's), (Start: 204 @19961 has 1 MA's), (254, 20030), (Start: 303 @20132 has 11 MA's), (323, 20144), (325, 20147), (367, 20222), (376, 20237), (402, 20276), (475, 20411), (508, 20480), (567, 20594), (615, 20720), (674, 20834), (683, 20858), (689, 20876), (731, 20957), (762, 21032), (767, 21050), (769, 21059), (775, 21083), (777, 21089), (782, 21104), (800, 21137), (820, 21182), (821, 21185), (828, 21206), (831, 21218), (833, 21224), (850, 21281), (899, 21431), (911, 21455), (943, 21536), (945, 21542), (992, 21677),

Gene: IgnatiusPatJac_26 Start: 21135, Stop: 22916, Start Num: 176
Candidate Starts for IgnatiusPatJac_26:
(Start: 159 @21114 has 217 MA's), (Start: 176 @21135 has 45 MA's), (Start: 204 @21177 has 1 MA's), (237, 21222), (367, 21438), (395, 21483), (402, 21492), (448, 21582), (449, 21585), (495, 21678), (556, 21780), (581, 21849), (674, 22050), (675, 22053), (683, 22074), (730, 22170), (731, 22173), (733, 22179), (762, 22248), (767, 22266), (769, 22275), (777, 22305), (821, 22401), (831, 22434), (835, 22449), (879, 22590), (899, 22647), (945, 22758),

Gene: Illumine_23 Start: 17171, Stop: 18937, Start Num: 178
Candidate Starts for Illumine_23:
(Start: 178 @17171 has 139 MA's), (198, 17201), (284, 17360), (295, 17393), (311, 17423), (329, 17456), (335, 17468), (371, 17558), (395, 17594), (400, 17600), (436, 17672), (441, 17681), (465, 17720), (484, 17765), (485, 17768), (491, 17786), (492, 17789), (536, 17861), (551, 17903), (557, 17909), (567, 17936), (579, 17972), (607, 18029), (647, 18074), (656, 18092), (676, 18152), (688, 18182), (702, 18209), (751, 18314), (779, 18404), (821, 18473), (832, 18509), (841, 18539), (853, 18548), (879, 18623), (896, 18674), (948, 18773), (971, 18824), (993, 18908), (994, 18911), (1004, 18929),

Gene: Inca_23 Start: 18509, Stop: 20104, Start Num: 212
Candidate Starts for Inca_23:

(Start: 147 @18425 has 120 MA's), (Start: 212 @18509 has 47 MA's), (Start: 260 @18587 has 1 MA's), (296, 18674), (301, 18689), (332, 18737), (349, 18776), (405, 18863), (420, 18896), (437, 18932), (454, 18962), (457, 18968), (538, 19037), (561, 19067), (565, 19079), (566, 19082), (591, 19139), (650, 19271), (651, 19277), (675, 19343), (677, 19349), (686, 19373), (704, 19421), (715, 19445), (721, 19454), (754, 19529), (810, 19580), (819, 19595), (867, 19757), (875, 19784), (885, 19814), (926, 19919), (971, 19997), (980, 20033), (983, 20042), (992, 20075), (998, 20090),

Gene: Indra_31 Start: 19978, Stop: 21750, Start Num: 156
Candidate Starts for Indra_31:
(110, 19912), (Start: 136 @19954 has 48 MA's), (Start: 156 @19978 has 559 MA's), (325, 20215), (366, 20287), (367, 20290), (376, 20305), (402, 20344), (406, 20350), (465, 20461), (469, 20467), (484, 20506), (508, 20548), (536, 20587), (550, 20629), (556, 20632), (615, 20788), (684, 20929), (689, 20944), (777, 21157), (828, 21256), (835, 21283), (852, 21334), (855, 21343), (866, 21382), (867, 21385), (943, 21586), (945, 21592), (992, 21727),

Gene: Inky_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Inky_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Insomnia_28 Start: 20807, Stop: 22606, Start Num: 156
Candidate Starts for Insomnia_28:
(110, 20741), (Start: 136 @20783 has 48 MA's), (Start: 156 @20807 has 559 MA's), (Start: 196 @20849 has 2 MA's), (Start: 260 @20945 has 1 MA's), (269, 20960), (323, 21041), (325, 21044), (367, 21119), (376, 21134), (402, 21173), (406, 21179), (430, 21230), (465, 21290), (469, 21296), (508, 21377), (556, 21461), (603, 21587), (609, 21605), (622, 21632), (689, 21773), (723, 21839), (730, 21851), (731, 21854), (800, 22043), (813, 22070), (819, 22079), (824, 22100), (825, 22103), (831, 22124), (835, 22139), (842, 22163), (866, 22238), (869, 22253), (899, 22337), (943, 22442), (945, 22448), (968, 22502), (1000, 22601),

Gene: Inspectinfecti_34 Start: 29501, Stop: 31126, Start Num: 183
Candidate Starts for Inspectinfecti_34:
(Start: 183 @29501 has 17 MA's), (193, 29513), (215, 29546), (221, 29555), (230, 29567), (Start: 249 @29597 has 2 MA's), (296, 29714), (300, 29726), (341, 29801), (373, 29861), (390, 29891), (567, 30098), (578, 30128), (597, 30173), (621, 30233), (648, 30281), (674, 30353), (687, 30386), (688, 30389), (706, 30428), (724, 30467), (761, 30554), (762, 30557), (826, 30635), (843, 30695), (858, 30740), (881, 30821), (901, 30875), (948, 30971), (992, 31100), (998, 31115),

Gene: Invectra_21 Start: 17703, Stop: 19283, Start Num: 213
Candidate Starts for Invectra_21:
(11, 16926), (26, 17082), (61, 17313), (62, 17316), (70, 17400), (72, 17406), (83, 17481), (98, 17532), (123, 17586), (Start: 213 @17703 has 53 MA's), (313, 17874), (358, 17961), (367, 17979), (369, 17982), (406, 18036), (423, 18075), (455, 18132), (469, 18153), (585, 18324), (592, 18342), (606, 18366), (631, 18387), (663, 18429), (691, 18510), (730, 18600), (768, 18702), (769, 18705), (784, 18759), (863, 18897), (910, 19029), (948, 19128), (951, 19137), (965, 19167),

Gene: Inventum_16 Start: 14940, Stop: 16649, Start Num: 142
Candidate Starts for Inventum_16:

(Start: 142 @14940 has 207 MA's), (215, 15027), (Start: 249 @15072 has 2 MA's), (258, 15096), (299, 15201), (301, 15207), (309, 15225), (332, 15255), (390, 15360), (422, 15420), (434, 15441), (437, 15450), (450, 15474), (558, 15600), (564, 15615), (566, 15621), (580, 15657), (582, 15660), (589, 15672), (591, 15678), (605, 15726), (611, 15738), (614, 15744), (648, 15804), (653, 15816), (666, 15852), (670, 15864), (700, 15939), (704, 15948), (713, 15966), (715, 15972), (730, 16002), (806, 16107), (812, 16119), (825, 16155), (847, 16233), (878, 16332), (885, 16353), (896, 16386), (911, 16416), (919, 16446), (924, 16455), (928, 16461), (944, 16476), (945, 16479), (953, 16500), (955, 16503), (973, 16545), (980, 16575), (992, 16617),

Gene: InvictusManeo_21 Start: 17595, Stop: 19367, Start Num: 181
Candidate Starts for InvictusManeo_21:
(Start: 181 @17595 has 15 MA's), (Start: 186 @17601 has 1 MA's), (201, 17625), (228, 17658), (256, 17706), (277, 17760), (295, 17811), (329, 17874), (376, 17982), (436, 18090), (491, 18204), (492, 18207), (512, 18246), (527, 18261), (534, 18273), (536, 18279), (547, 18315), (551, 18321), (557, 18327), (571, 18366), (579, 18390), (647, 18492), (671, 18555), (751, 18735), (782, 18834), (824, 18912), (831, 18936), (833, 18942), (851, 18975), (879, 19053), (881, 19059), (951, 19212), (988, 19317), (989, 19320), (993, 19338),

Gene: Inyanga_26 Start: 20869, Stop: 22671, Start Num: 159
Candidate Starts for Inyanga_26:
(Start: 159 @20869 has 217 MA's), (Start: 176 @20890 has 45 MA's), (Start: 204 @20932 has 1 MA's), (237, 20977), (367, 21193), (395, 21238), (402, 21247), (421, 21286), (448, 21337), (449, 21340), (556, 21535), (581, 21604), (674, 21805), (675, 21808), (683, 21829), (730, 21925), (731, 21928), (733, 21934), (762, 22003), (767, 22021), (769, 22030), (777, 22060), (821, 22156), (831, 22189), (835, 22204), (879, 22345), (899, 22402), (945, 22513), (1000, 22666),

Gene: Iqorha_26 Start: 20868, Stop: 22670, Start Num: 159
Candidate Starts for Iqorha_26:
(Start: 159 @20868 has 217 MA's), (Start: 176 @20889 has 45 MA's), (Start: 204 @20931 has 1 MA's), (237, 20976), (367, 21192), (395, 21237), (402, 21246), (421, 21285), (448, 21336), (449, 21339), (556, 21534), (581, 21603), (674, 21804), (675, 21807), (683, 21828), (730, 21924), (731, 21927), (733, 21933), (762, 22002), (767, 22020), (769, 22029), (777, 22059), (821, 22155), (831, 22188), (835, 22203), (879, 22344), (899, 22401), (945, 22512), (1000, 22665),

Gene: Iracema64_28 Start: 20138, Stop: 21916, Start Num: 156
Candidate Starts for Iracema64_28:
(Start: 136 @20114 has 48 MA's), (Start: 156 @20138 has 559 MA's), (Start: 204 @20195 has 1 MA's), (241, 20249), (254, 20264), (Start: 260 @20282 has 1 MA's), (Start: 303 @20366 has 11 MA's), (323, 20378), (325, 20381), (367, 20456), (376, 20471), (402, 20510), (465, 20627), (508, 20714), (550, 20795), (572, 20843), (581, 20867), (615, 20954), (644, 20999), (675, 21071), (683, 21092), (689, 21110), (767, 21284), (769, 21293), (775, 21317), (777, 21323), (784, 21347), (821, 21401), (828, 21422), (842, 21473), (850, 21497), (867, 21551), (899, 21647), (943, 21752), (948, 21767), (987, 21875), (992, 21893),

Gene: IrishSherpFalk_17 Start: 16164, Stop: 17873, Start Num: 142
Candidate Starts for IrishSherpFalk_17:
(Start: 142 @16164 has 207 MA's), (215, 16251), (Start: 249 @16296 has 2 MA's), (258, 16320), (299, 16425), (301, 16431), (309, 16449), (332, 16479), (390, 16584), (422, 16644), (434, 16665), (437, 16674), (450, 16698), (473, 16734), (475, 16740), (535, 16773), (536, 16776), (539, 16785), (544, 16800), (546, 16806), (558, 16824), (564, 16839), (566, 16845), (572, 16863), (573, 16866), (580, 16881), (589, 16896), (591, 16902), (605, 16950), (611, 16962), (614, 16968), (648, 17028), (653, 17040), (666, 17076), (670, 17088), (700, 17163), (704, 17172), (713, 17190), (715, 17196), (730, 17226), (806, 17331), (812, 17343), (825, 17379), (847, 17457), (885, 17577), (896, 17610), (911,

17640), (913, 17652), (919, 17670), (922, 17676), (924, 17679), (928, 17685), (944, 17700), (945, 17703), (953, 17724), (955, 17727), (973, 17769), (980, 17799), (992, 17841), (993, 17847),

Gene: IronMan_30 Start: 21747, Stop: 23519, Start Num: 156
Candidate Starts for IronMan_30:
(Start: 156 @21747 has 559 MA's), (259, 21882), (323, 21981), (325, 21984), (366, 22056), (367, 22059), (395, 22104), (430, 22170), (445, 22197), (465, 22230), (508, 22317), (556, 22401), (615, 22557), (636, 22590), (689, 22713), (723, 22779), (731, 22794), (775, 22920), (777, 22926), (808, 22974), (831, 23037), (835, 23052), (837, 23058), (842, 23076), (866, 23151), (899, 23250), (943, 23355), (945, 23361), (951, 23379), (964, 23406),

Gene: Isca_27 Start: 19841, Stop: 21640, Start Num: 156
Candidate Starts for Isca_27:
(Start: 156 @19841 has 559 MA's), (Start: 204 @19901 has 1 MA's), (254, 19970), (Start: 303 @20072 has 11 MA's), (323, 20084), (325, 20087), (367, 20162), (376, 20177), (379, 20180), (402, 20216), (475, 20351), (508, 20420), (567, 20534), (615, 20660), (674, 20774), (675, 20777), (683, 20798), (689, 20816), (731, 20897), (762, 20972), (767, 20990), (769, 20999), (777, 21029), (782, 21044), (790, 21068), (800, 21077), (820, 21122), (821, 21125), (828, 21146), (831, 21158), (899, 21371), (911, 21395), (943, 21476), (945, 21482), (992, 21617),

Gene: Isiphiwo_31 Start: 20047, Stop: 21819, Start Num: 156
Candidate Starts for Isiphiwo_31:
(Start: 156 @20047 has 559 MA's), (286, 20245), (325, 20284), (366, 20356), (367, 20359), (379, 20377), (402, 20413), (406, 20419), (465, 20530), (469, 20536), (508, 20617), (536, 20656), (550, 20698), (556, 20701), (575, 20761), (684, 20998), (689, 21013), (731, 21094), (777, 21226), (784, 21250), (835, 21352), (852, 21403), (855, 21412), (866, 21451), (867, 21454), (869, 21466), (899, 21550), (943, 21655), (945, 21661), (992, 21796),

Gene: Island3_19 Start: 16495, Stop: 18228, Start Num: 152
Candidate Starts for Island3_19:
(Start: 152 @16495 has 6 MA's), (229, 16594), (236, 16603), (269, 16669), (278, 16693), (300, 16753), (301, 16756), (320, 16783), (419, 16963), (432, 16987), (437, 16999), (450, 17023), (558, 17149), (564, 17164), (567, 17173), (582, 17209), (591, 17227), (611, 17287), (670, 17413), (693, 17479), (700, 17488), (704, 17497), (715, 17521), (810, 17665), (827, 17710), (858, 17812), (860, 17821), (865, 17839), (866, 17842), (919, 18001), (930, 18019), (944, 18055), (948, 18070), (971, 18118), (990, 18187),

Gene: Itos_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for Itos_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Iwokeuplikedis_29 Start: 19935, Stop: 21707, Start Num: 156
Candidate Starts for Iwokeuplikedis_29:
(Start: 136 @19911 has 48 MA's), (Start: 156 @19935 has 559 MA's), (238, 20034), (259, 20070), (269, 20088), (323, 20169), (325, 20172), (366, 20244), (367, 20247), (402, 20301), (406, 20307), (445, 20385), (465, 20418), (508, 20505), (550, 20586), (556, 20589), (615, 20745), (635, 20775), (675, 20862), (723, 20967), (731, 20982), (777, 21114), (808, 21162), (831, 21225), (835, 21240), (837, 21246), (840, 21255), (855, 21300), (866, 21339), (869, 21354), (881, 21387), (943, 21543),

(945, 21549), (964, 21594),

Gene: Izel_27 Start: 22325, Stop: 24103, Start Num: 119
Candidate Starts for Izel_27:
(69, 22145), (Start: 119 @22325 has 3 MA's), (Start: 128 @22340 has 2 MA's), (Start: 161 @22367 has 14 MA's), (Start: 176 @22382 has 45 MA's), (201, 22421), (223, 22451), (Start: 227 @22457 has 45 MA's), (237, 22469), (291, 22574), (295, 22589), (323, 22628), (389, 22751), (395, 22760), (445, 22856), (471, 22898), (473, 22901), (562, 23078), (610, 23189), (636, 23216), (669, 23288), (670, 23297), (671, 23300), (675, 23312), (730, 23432), (731, 23435), (746, 23477), (761, 23507), (764, 23513), (824, 23633), (826, 23639), (969, 23993), (977, 24020), (983, 24038), (985, 24047),

Gene: JAWS_23 Start: 17142, Stop: 18908, Start Num: 178
Candidate Starts for JAWS_23:
(Start: 178 @17142 has 139 MA's), (198, 17172), (284, 17331), (295, 17364), (311, 17394), (329, 17427), (335, 17439), (371, 17529), (400, 17571), (436, 17643), (441, 17652), (465, 17691), (484, 17736), (491, 17757), (492, 17760), (527, 17814), (536, 17832), (551, 17874), (557, 17880), (567, 17907), (647, 18045), (656, 18063), (670, 18105), (676, 18123), (688, 18153), (702, 18180), (751, 18285), (821, 18444), (832, 18480), (841, 18510), (853, 18519), (879, 18594), (896, 18645), (983, 18840), (993, 18879), (994, 18882), (1004, 18900),

Gene: JC27_29 Start: 22002, Stop: 23804, Start Num: 159
Candidate Starts for JC27_29:
(Start: 159 @22002 has 217 MA's), (Start: 176 @22023 has 45 MA's), (Start: 204 @22065 has 1 MA's), (237, 22110), (367, 22326), (395, 22371), (402, 22380), (421, 22419), (448, 22470), (449, 22473), (556, 22668), (581, 22737), (674, 22938), (675, 22941), (683, 22962), (730, 23058), (731, 23061), (733, 23067), (762, 23136), (767, 23154), (777, 23193), (821, 23289), (831, 23322), (835, 23337), (879, 23478), (899, 23535), (945, 23646),

Gene: JCole_17 Start: 14749, Stop: 16458, Start Num: 216
Candidate Starts for JCole_17:
(115, 14614), (Start: 216 @14749 has 31 MA's), (278, 14866), (304, 14938), (305, 14941), (327, 14977), (347, 15016), (358, 15037), (417, 15139), (469, 15229), (471, 15232), (526, 15364), (547, 15418), (571, 15469), (583, 15499), (613, 15559), (634, 15571), (663, 15607), (675, 15646), (691, 15688), (704, 15724), (714, 15742), (722, 15757), (731, 15781), (762, 15853), (768, 15877), (825, 15985), (875, 16111), (880, 16126), (894, 16168), (931, 16261), (933, 16264), (951, 16312), (965, 16342), (973, 16360), (974, 16372), (986, 16411),

Gene: JF1_24 Start: 18622, Stop: 20409, Start Num: 178
Candidate Starts for JF1_24:
(Start: 146 @18583 has 1 MA's), (Start: 171 @18613 has 28 MA's), (Start: 176 @18619 has 45 MA's), (Start: 178 @18622 has 139 MA's), (Start: 196 @18637 has 2 MA's), (228, 18679), (256, 18727), (272, 18766), (277, 18781), (284, 18799), (295, 18832), (311, 18862), (335, 18907), (342, 18925), (371, 18997), (376, 19003), (395, 19033), (397, 19036), (430, 19099), (436, 19111), (498, 19246), (509, 19264), (534, 19294), (536, 19300), (541, 19318), (557, 19348), (571, 19387), (647, 19513), (671, 19576), (751, 19777), (769, 19831), (782, 19876), (808, 19921), (821, 19945), (831, 19978), (841, 20011), (875, 20083), (879, 20095), (896, 20146), (899, 20152), (951, 20254), (993, 20380), (1004, 20401),

Gene: JF2_27 Start: 19592, Stop: 21391, Start Num: 156
Candidate Starts for JF2_27:
(Start: 156 @19592 has 559 MA's), (Start: 204 @19652 has 1 MA's), (254, 19721), (Start: 303 @19823 has 11 MA's), (323, 19835), (325, 19838), (367, 19913), (376, 19928), (379, 19931), (402, 19967), (475, 20102), (508, 20171), (567, 20285), (615, 20411), (674, 20525), (675, 20528), (683, 20549),

(689, 20567), (731, 20648), (762, 20723), (767, 20741), (769, 20750), (775, 20774), (777, 20780), (782, 20795), (790, 20819), (800, 20828), (820, 20873), (821, 20876), (828, 20897), (831, 20909), (899, 21122), (911, 21146), (943, 21227), (945, 21233), (992, 21368),

Gene: JF4_27 Start: 19592, Stop: 21391, Start Num: 156
Candidate Starts for JF4_27:
(Start: 156 @19592 has 559 MA's), (Start: 204 @19652 has 1 MA's), (254, 19721), (Start: 303 @19823 has 11 MA's), (323, 19835), (325, 19838), (367, 19913), (376, 19928), (379, 19931), (402, 19967), (475, 20102), (508, 20171), (567, 20285), (615, 20411), (674, 20525), (675, 20528), (683, 20549), (689, 20567), (731, 20648), (762, 20723), (767, 20741), (769, 20750), (775, 20774), (777, 20780), (782, 20795), (790, 20819), (800, 20828), (820, 20873), (821, 20876), (828, 20897), (831, 20909), (899, 21122), (911, 21146), (943, 21227), (945, 21233), (992, 21368),

Gene: JHC117_29 Start: 20377, Stop: 22173, Start Num: 156
Candidate Starts for JHC117_29:
(Start: 156 @20377 has 559 MA's), (Start: 204 @20434 has 1 MA's), (215, 20449), (238, 20482), (254, 20503), (259, 20518), (Start: 303 @20605 has 11 MA's), (323, 20617), (325, 20620), (367, 20695), (376, 20710), (400, 20746), (508, 20953), (567, 21067), (581, 21106), (604, 21166), (615, 21193), (674, 21307), (683, 21331), (689, 21349), (731, 21430), (762, 21505), (767, 21523), (775, 21556), (777, 21562), (790, 21601), (820, 21655), (821, 21658), (828, 21679), (844, 21736), (899, 21904), (943, 22009), (945, 22015), (992, 22150),

Gene: JKSyngboy_32 Start: 30214, Stop: 31977, Start Num: 111
Candidate Starts for JKSyngboy_32:
(Start: 111 @30214 has 74 MA's), (Start: 131 @30250 has 1 MA's), (232, 30379), (238, 30388), (255, 30412), (285, 30484), (289, 30493), (340, 30562), (367, 30613), (372, 30622), (395, 30658), (406, 30673), (414, 30691), (448, 30754), (475, 30799), (478, 30808), (543, 30928), (550, 30943), (553, 30952), (562, 30967), (571, 30997), (695, 31237), (699, 31252), (730, 31294), (731, 31297), (740, 31324), (824, 31507), (879, 31648), (880, 31651), (896, 31699), (909, 31726), (917, 31753), (943, 31807), (952, 31834),

Gene: JSwag_30 Start: 19079, Stop: 20866, Start Num: 156
Candidate Starts for JSwag_30:
(110, 19013), (Start: 136 @19055 has 48 MA's), (Start: 156 @19079 has 559 MA's), (Start: 260 @19217 has 1 MA's), (285, 19274), (325, 19316), (344, 19352), (367, 19391), (409, 19460), (421, 19484), (449, 19538), (536, 19688), (556, 19733), (567, 19763), (579, 19799), (600, 19850), (613, 19886), (644, 19934), (671, 19994), (730, 20123), (762, 20201), (835, 20402), (837, 20408), (867, 20504), (929, 20669), (971, 20768),

Gene: Jaan_31 Start: 22136, Stop: 23908, Start Num: 156
Candidate Starts for Jaan_31:
(Start: 136 @22112 has 48 MA's), (Start: 156 @22136 has 559 MA's), (259, 22271), (269, 22289), (323, 22370), (325, 22373), (366, 22445), (367, 22448), (430, 22559), (445, 22586), (465, 22619), (484, 22664), (508, 22706), (556, 22790), (615, 22946), (636, 22979), (723, 23168), (731, 23183), (775, 23309), (777, 23315), (831, 23426), (835, 23441), (837, 23447), (855, 23501), (866, 23540), (869, 23555), (899, 23639), (943, 23744), (945, 23750), (951, 23768), (964, 23795),

Gene: Jabbawokkie_21 Start: 14267, Stop: 15931, Start Num: 159
Candidate Starts for Jabbawokkie_21:
(Start: 159 @14267 has 217 MA's), (221, 14348), (241, 14378), (256, 14399), (Start: 260 @14411 has 1 MA's), (289, 14477), (327, 14516), (333, 14528), (342, 14552), (374, 14609), (377, 14612), (391, 14636), (395, 14642), (397, 14645), (421, 14690), (430, 14708), (449, 14744), (508, 14855), (536, 14891), (543, 14918), (548, 14930), (550, 14933), (567, 14975), (571, 14987), (579, 15011), (622,

15065), (674, 15164), (714, 15257), (731, 15284), (735, 15296), (764, 15347), (767, 15362), (801, 15416), (819, 15443), (879, 15605), (880, 15608), (881, 15611), (925, 15728), (945, 15770), (976, 15854), (990, 15899), (994, 15917),

Gene: Jabberwocky_33 Start: 31361, Stop: 33124, Start Num: 111
Candidate Starts for Jabberwocky_33:
(104, 31343), (Start: 111 @31361 has 74 MA's), (Start: 131 @31397 has 1 MA's), (238, 31535), (285, 31631), (289, 31640), (340, 31709), (367, 31760), (395, 31805), (406, 31820), (448, 31901), (475, 31946), (478, 31955), (535, 32045), (543, 32075), (550, 32090), (562, 32114), (571, 32144), (641, 32249), (689, 32366), (695, 32384), (699, 32399), (723, 32429), (730, 32441), (731, 32444), (740, 32471), (879, 32795), (880, 32798), (896, 32846), (909, 32873), (917, 32900), (943, 32954), (952, 32981), (994, 33110),

Gene: Jabiru_24 Start: 19026, Stop: 20825, Start Num: 156
Candidate Starts for Jabiru_24:
(Start: 156 @19026 has 559 MA's), (325, 19263), (367, 19338), (376, 19353), (400, 19389), (436, 19461), (445, 19476), (465, 19509), (467, 19512), (469, 19515), (567, 19710), (575, 19740), (579, 19746), (615, 19836), (644, 19881), (674, 19950), (689, 19992), (694, 20010), (730, 20070), (731, 20073), (767, 20166), (820, 20307), (831, 20343), (899, 20556), (942, 20658), (945, 20667), (992, 20802),

Gene: Jabith_28 Start: 20807, Stop: 22606, Start Num: 156
Candidate Starts for Jabith_28:
(110, 20741), (Start: 136 @20783 has 48 MA's), (Start: 156 @20807 has 559 MA's), (Start: 196 @20849 has 2 MA's), (Start: 260 @20945 has 1 MA's), (269, 20960), (323, 21041), (325, 21044), (367, 21119), (376, 21134), (402, 21173), (406, 21179), (430, 21230), (465, 21290), (469, 21296), (508, 21377), (556, 21461), (603, 21587), (609, 21605), (622, 21632), (689, 21773), (723, 21839), (730, 21851), (731, 21854), (800, 22043), (813, 22070), (819, 22079), (824, 22100), (825, 22103), (831, 22124), (835, 22139), (842, 22163), (866, 22238), (869, 22253), (899, 22337), (943, 22442), (945, 22448), (968, 22502), (1000, 22601),

Gene: Jablanski_20 Start: 17677, Stop: 19383, Start Num: 157
Candidate Starts for Jablanski_20:
(Start: 137 @17653 has 45 MA's), (Start: 157 @17677 has 24 MA's), (238, 17782), (262, 17824), (302, 17899), (367, 18013), (445, 18160), (448, 18166), (546, 18349), (577, 18424), (730, 18706), (737, 18727), (767, 18802), (826, 18925), (835, 18958), (837, 18964), (868, 19030), (879, 19060), (943, 19216), (945, 19222), (951, 19240), (990, 19351),

Gene: Jace_17 Start: 14739, Stop: 16253, Start Num: 253
Candidate Starts for Jace_17:
(80, 14448), (108, 14538), (Start: 147 @14598 has 120 MA's), (Start: 253 @14739 has 1 MA's), (271, 14781), (289, 14826), (313, 14880), (339, 14913), (359, 14964), (439, 15099), (453, 15120), (455, 15123), (469, 15144), (489, 15198), (491, 15204), (583, 15306), (590, 15318), (596, 15336), (640, 15390), (685, 15480), (730, 15594), (769, 15696), (833, 15807), (933, 16056), (966, 16137), (971, 16146), (984, 16194),

Gene: JackSparrow_28 Start: 21464, Stop: 23266, Start Num: 159
Candidate Starts for JackSparrow_28:
(Start: 159 @21464 has 217 MA's), (Start: 176 @21485 has 45 MA's), (Start: 204 @21527 has 1 MA's), (237, 21572), (367, 21788), (395, 21833), (402, 21842), (421, 21881), (448, 21932), (449, 21935), (556, 22130), (581, 22199), (674, 22400), (675, 22403), (683, 22424), (730, 22520), (731, 22523), (733, 22529), (762, 22598), (767, 22616), (769, 22625), (777, 22655), (821, 22751), (831, 22784), (835, 22799), (879, 22940), (899, 22997), (945, 23108),

Gene: JacoRen57_17 Start: 15449, Stop: 17296, Start Num: 139
Candidate Starts for JacoRen57_17:
(Start: 139 @15449 has 4 MA's), (237, 15563), (251, 15584), (272, 15638), (277, 15653), (296, 15707), (335, 15779), (395, 15905), (408, 15926), (427, 15968), (436, 15983), (448, 16004), (453, 16013), (478, 16058), (484, 16076), (485, 16079), (534, 16208), (536, 16214), (541, 16232), (557, 16262), (563, 16277), (587, 16337), (611, 16388), (644, 16424), (647, 16427), (694, 16556), (816, 16811), (851, 16901), (858, 16910), (875, 16967), (911, 17060), (948, 17129), (991, 17255), (993, 17264),

Gene: JalFarm20_18 Start: 15176, Stop: 16885, Start Num: 142
Candidate Starts for JalFarm20_18:
(Start: 142 @15176 has 207 MA's), (215, 15263), (Start: 249 @15308 has 2 MA's), (258, 15332), (299, 15437), (301, 15443), (309, 15461), (332, 15491), (390, 15596), (422, 15656), (434, 15677), (437, 15686), (450, 15710), (558, 15836), (564, 15851), (566, 15857), (580, 15893), (582, 15896), (589, 15908), (591, 15914), (605, 15962), (611, 15974), (614, 15980), (648, 16040), (653, 16052), (666, 16088), (670, 16100), (700, 16175), (704, 16184), (713, 16202), (715, 16208), (730, 16238), (806, 16343), (810, 16352), (812, 16355), (825, 16391), (847, 16469), (878, 16568), (885, 16589), (896, 16622), (911, 16652), (919, 16682), (924, 16691), (928, 16697), (944, 16712), (945, 16715), (955, 16739), (968, 16769), (973, 16781), (980, 16811), (992, 16853),

Gene: Jalammah_21 Start: 17444, Stop: 19090, Start Num: 227
Candidate Starts for Jalammah_21:
(203, 17408), (Start: 227 @17444 has 45 MA's), (283, 17546), (318, 17624), (321, 17627), (374, 17723), (396, 17762), (424, 17822), (435, 17843), (468, 17897), (475, 17912), (591, 18083), (600, 18113), (677, 18296), (686, 18320), (700, 18371), (739, 18464), (744, 18476), (765, 18521), (799, 18536), (843, 18668), (844, 18671), (875, 18770), (881, 18788), (899, 18839), (925, 18905), (963, 18968), (968, 18980),

Gene: Jambalaya_31 Start: 25640, Stop: 27406, Start Num: 111
Candidate Starts for Jambalaya_31:
(93, 25598), (Start: 111 @25640 has 74 MA's), (Start: 131 @25676 has 1 MA's), (Start: 159 @25709 has 217 MA's), (287, 25919), (289, 25922), (323, 25952), (351, 26018), (367, 26042), (372, 26051), (393, 26084), (478, 26237), (495, 26276), (535, 26327), (539, 26339), (543, 26357), (548, 26369), (553, 26381), (562, 26396), (571, 26426), (572, 26429), (579, 26450), (636, 26522), (663, 26570), (699, 26681), (724, 26714), (740, 26753), (743, 26756), (769, 26828), (803, 26894), (809, 26906), (879, 27077), (883, 27089), (885, 27095), (896, 27128), (909, 27155), (917, 27182), (943, 27236), (984, 27353), (990, 27374), (1000, 27401),

Gene: James_16 Start: 14804, Stop: 16513, Start Num: 142
Candidate Starts for James_16:
(Start: 142 @14804 has 207 MA's), (215, 14891), (Start: 249 @14936 has 2 MA's), (258, 14960), (282, 15017), (299, 15065), (301, 15071), (309, 15089), (332, 15119), (390, 15224), (419, 15278), (422, 15284), (425, 15293), (437, 15314), (450, 15338), (473, 15374), (475, 15380), (535, 15413), (536, 15416), (539, 15425), (544, 15440), (546, 15446), (558, 15464), (564, 15479), (566, 15485), (572, 15503), (573, 15506), (580, 15521), (589, 15536), (591, 15542), (605, 15590), (611, 15602), (614, 15608), (648, 15668), (653, 15680), (666, 15716), (670, 15728), (700, 15803), (704, 15812), (713, 15830), (715, 15836), (730, 15866), (806, 15971), (812, 15983), (825, 16019), (847, 16097), (885, 16217), (896, 16250), (911, 16280), (913, 16292), (919, 16310), (922, 16316), (924, 16319), (928, 16325), (944, 16340), (945, 16343), (953, 16364), (955, 16367), (973, 16409), (980, 16439), (992, 16481), (993, 16487),

Gene: Jamie19_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for Jamie19_18:

(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: Jamzy_21 Start: 15100, Stop: 16788, Start Num: 151
Candidate Starts for Jamzy_21:
(12, 14440), (29, 14623), (122, 15070), (Start: 141 @15097 has 37 MA's), (Start: 151 @15100 has 50 MA's), (259, 15241), (323, 15340), (342, 15385), (445, 15568), (462, 15598), (482, 15640), (495, 15670), (525, 15700), (530, 15712), (534, 15715), (567, 15805), (593, 15871), (598, 15886), (635, 15922), (644, 15937), (654, 15955), (670, 15994), (672, 16000), (702, 16084), (727, 16120), (730, 16123), (731, 16126), (736, 16141), (744, 16159), (745, 16162), (767, 16216), (832, 16345), (835, 16357), (840, 16372), (853, 16384), (878, 16456), (879, 16459), (880, 16462), (914, 16558), (945, 16627), (948, 16636), (992, 16765), (994, 16774), (998, 16780),

Gene: Jane_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Jane_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (256, 16739), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: JangDynasty_56 Start: 33561, Stop: 35297, Start Num: 126
Candidate Starts for JangDynasty_56:
(Start: 120 @33552 has 2 MA's), (Start: 126 @33561 has 26 MA's), (Start: 195 @33651 has 1 MA's), (266, 33768), (282, 33804), (291, 33825), (299, 33852), (301, 33858), (322, 33888), (336, 33912), (363, 33963), (437, 34101), (440, 34107), (472, 34158), (473, 34161), (482, 34179), (558, 34230), (566, 34251), (567, 34254), (589, 34302), (591, 34308), (605, 34356), (607, 34362), (611, 34368), (632, 34428), (648, 34452), (650, 34455), (666, 34500), (671, 34515), (674, 34524), (677, 34533), (693, 34578), (704, 34596), (721, 34629), (812, 34767), (820, 34788), (840, 34854), (848, 34884), (865, 34938), (878, 34980), (885, 35001), (892, 35022), (896, 35034), (907, 35055), (928, 35109), (971, 35187), (980, 35223), (986, 35244), (993, 35271),

Gene: Jant_16 Start: 14961, Stop: 16670, Start Num: 142
Candidate Starts for Jant_16:
(Start: 142 @14961 has 207 MA's), (215, 15048), (Start: 249 @15093 has 2 MA's), (258, 15117), (299, 15222), (301, 15228), (309, 15246), (332, 15276), (390, 15381), (422, 15441), (434, 15462), (437, 15471), (450, 15495), (558, 15621), (564, 15636), (566, 15642), (580, 15678), (582, 15681), (589, 15693), (591, 15699), (605, 15747), (611, 15759), (614, 15765), (648, 15825), (653, 15837), (666, 15873), (670, 15885), (700, 15960), (704, 15969), (713, 15987), (715, 15993), (730, 16023), (806, 16128), (810, 16137), (812, 16140), (825, 16176), (847, 16254), (878, 16353), (885, 16374), (896, 16407), (911, 16437), (919, 16467), (924, 16476), (928, 16482), (944, 16497), (945, 16500), (955, 16524), (968, 16554), (973, 16566), (980, 16596), (992, 16638),

Gene: Jarcob_16 Start: 14812, Stop: 16521, Start Num: 142
Candidate Starts for Jarcob_16:

(Start: 142 @14812 has 207 MA's), (215, 14899), (Start: 249 @14944 has 2 MA's), (258, 14968), (299, 15073), (301, 15079), (309, 15097), (332, 15127), (390, 15232), (419, 15286), (422, 15292), (425, 15301), (437, 15322), (450, 15346), (473, 15382), (475, 15388), (535, 15421), (536, 15424), (539, 15433), (544, 15448), (546, 15454), (558, 15472), (564, 15487), (566, 15493), (572, 15511), (573, 15514), (580, 15529), (589, 15544), (591, 15550), (605, 15598), (611, 15610), (614, 15616), (648, 15676), (653, 15688), (666, 15724), (670, 15736), (700, 15811), (704, 15820), (713, 15838), (715, 15844), (730, 15874), (806, 15979), (812, 15991), (825, 16027), (847, 16105), (885, 16225), (896, 16258), (911, 16288), (913, 16300), (919, 16318), (922, 16324), (924, 16327), (928, 16333), (944, 16348), (945, 16351), (953, 16372), (955, 16375), (973, 16417), (980, 16447), (992, 16489), (993, 16495),

Gene: Jarvi_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Jarvi_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Jasper_28 Start: 20943, Stop: 22745, Start Num: 159
Candidate Starts for Jasper_28:
(Start: 159 @20943 has 217 MA's), (Start: 176 @20964 has 45 MA's), (Start: 204 @21006 has 1 MA's), (237, 21051), (367, 21267), (395, 21312), (402, 21321), (421, 21360), (448, 21411), (449, 21414), (556, 21609), (581, 21678), (674, 21879), (675, 21882), (683, 21903), (730, 21999), (731, 22002), (733, 22008), (762, 22077), (767, 22095), (769, 22104), (777, 22134), (821, 22230), (831, 22263), (835, 22278), (879, 22419), (899, 22476), (945, 22587),

Gene: JasperJr_19 Start: 16654, Stop: 18300, Start Num: 227
Candidate Starts for JasperJr_19:
(203, 16618), (Start: 227 @16654 has 45 MA's), (283, 16756), (318, 16834), (321, 16837), (374, 16933), (396, 16972), (435, 17053), (468, 17107), (475, 17122), (591, 17293), (600, 17323), (677, 17506), (686, 17530), (687, 17533), (700, 17581), (739, 17674), (744, 17686), (765, 17731), (799, 17746), (843, 17878), (844, 17881), (875, 17980), (881, 17998), (899, 18049), (925, 18115), (963, 18178), (968, 18190),

Gene: Jayhawk_23 Start: 17155, Stop: 18921, Start Num: 178
Candidate Starts for Jayhawk_23:
(Start: 178 @17155 has 139 MA's), (198, 17185), (284, 17344), (295, 17377), (311, 17407), (329, 17440), (335, 17452), (371, 17542), (400, 17584), (436, 17656), (441, 17665), (465, 17704), (484, 17749), (491, 17770), (492, 17773), (527, 17827), (536, 17845), (551, 17887), (557, 17893), (567, 17920), (647, 18058), (656, 18076), (670, 18118), (676, 18136), (688, 18166), (702, 18193), (751, 18298), (821, 18457), (832, 18493), (841, 18523), (853, 18532), (879, 18607), (896, 18658), (948, 18757), (983, 18853), (993, 18892), (994, 18895), (1004, 18913),

Gene: Jaykayelowell_27 Start: 19823, Stop: 21601, Start Num: 156
Candidate Starts for Jaykayelowell_27:
(Start: 136 @19799 has 48 MA's), (Start: 156 @19823 has 559 MA's), (Start: 204 @19880 has 1 MA's), (241, 19934), (254, 19949), (Start: 260 @19967 has 1 MA's), (Start: 303 @20051 has 11 MA's), (323, 20063), (325, 20066), (367, 20141), (376, 20156), (402, 20195), (465, 20312), (508, 20399), (550, 20480), (572, 20528), (581, 20552), (615, 20639), (644, 20684), (675, 20756), (683, 20777), (689, 20795), (731, 20876), (767, 20969), (769, 20978), (775, 21002), (777, 21008), (784, 21032), (821, 21086), (828, 21107), (842, 21158), (850, 21182), (867, 21236), (899, 21332), (943, 21437),

(948, 21452), (987, 21560), (992, 21578),

Gene: JeTaime_26 Start: 20631, Stop: 22226, Start Num: 212
Candidate Starts for JeTaime_26:
(Start: 147 @20547 has 120 MA's), (Start: 212 @20631 has 47 MA's), (Start: 260 @20709 has 1 MA's), (296, 20796), (301, 20811), (332, 20859), (349, 20898), (405, 20985), (420, 21018), (437, 21054), (454, 21084), (457, 21090), (538, 21159), (561, 21189), (565, 21201), (566, 21204), (591, 21261), (650, 21393), (651, 21399), (675, 21465), (677, 21471), (686, 21495), (704, 21543), (715, 21567), (721, 21576), (754, 21651), (810, 21702), (819, 21717), (867, 21879), (875, 21906), (885, 21936), (926, 22041), (971, 22119), (980, 22155), (983, 22164), (992, 22197), (998, 22212),

Gene: Jebeks_19 Start: 16370, Stop: 18106, Start Num: 137
Candidate Starts for Jebeks_19:
(Start: 121 @16346 has 6 MA's), (Start: 137 @16370 has 45 MA's), (Start: 186 @16430 has 1 MA's), (198, 16451), (201, 16454), (274, 16574), (290, 16613), (300, 16646), (317, 16670), (382, 16790), (405, 16829), (407, 16835), (447, 16919), (450, 16925), (457, 16937), (473, 16961), (485, 16988), (538, 17006), (555, 17045), (558, 17051), (567, 17075), (591, 17129), (594, 17141), (597, 17150), (621, 17210), (658, 17288), (670, 17327), (682, 17360), (704, 17426), (711, 17441), (715, 17450), (726, 17474), (740, 17504), (746, 17516), (822, 17618), (827, 17630), (828, 17633), (830, 17639), (832, 17648), (865, 17756), (892, 17840), (937, 17939), (983, 18047), (998, 18095),

Gene: Jeckyll_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Jeckyll_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Jeeves_28 Start: 19427, Stop: 21226, Start Num: 156
Candidate Starts for Jeeves_28:
(Start: 153 @19424 has 9 MA's), (Start: 156 @19427 has 559 MA's), (259, 19562), (289, 19631), (325, 19664), (342, 19694), (366, 19736), (367, 19739), (406, 19799), (465, 19910), (484, 19955), (488, 19964), (508, 19997), (546, 20072), (550, 20078), (556, 20081), (575, 20141), (617, 20243), (636, 20270), (669, 20330), (675, 20354), (689, 20393), (731, 20474), (803, 20672), (835, 20759), (837, 20765), (866, 20858), (869, 20873), (943, 21062), (945, 21068),

Gene: Jeffabunny_31 Start: 19997, Stop: 21769, Start Num: 156
Candidate Starts for Jeffabunny_31:
(110, 19931), (Start: 136 @19973 has 48 MA's), (Start: 156 @19997 has 559 MA's), (325, 20234), (366, 20306), (367, 20309), (376, 20324), (402, 20363), (406, 20369), (465, 20480), (469, 20486), (484, 20525), (508, 20567), (536, 20606), (550, 20648), (556, 20651), (615, 20807), (684, 20948), (689, 20963), (777, 21176), (828, 21275), (835, 21302), (852, 21353), (855, 21362), (866, 21401), (869, 21416), (899, 21500), (943, 21605), (945, 21611), (992, 21746),

Gene: JenCasNa_29 Start: 20378, Stop: 22174, Start Num: 156
Candidate Starts for JenCasNa_29:
(Start: 156 @20378 has 559 MA's), (Start: 204 @20435 has 1 MA's), (215, 20450), (238, 20483), (254, 20504), (259, 20519), (Start: 303 @20606 has 11 MA's), (323, 20618), (325, 20621), (367, 20696), (376, 20711), (400, 20747), (508, 20954), (567, 21068), (581, 21107), (615, 21194), (674, 21308), (683, 21332), (689, 21350), (731, 21431), (762, 21506), (767, 21524), (775, 21557), (777, 21563), (790, 21602), (820, 21656), (821, 21659), (828, 21680), (844, 21737), (858, 21779), (899, 21905),

(943, 22010), (945, 22016), (992, 22151),

Gene: JeppNRM_30 Start: 20458, Stop: 22254, Start Num: 156
Candidate Starts for JeppNRM_30:
(Start: 156 @20458 has 559 MA's), (Start: 204 @20515 has 1 MA's), (215, 20530), (254, 20584), (259, 20599), (Start: 303 @20686 has 11 MA's), (323, 20698), (325, 20701), (367, 20776), (376, 20791), (508, 21034), (581, 21187), (615, 21274), (674, 21388), (683, 21412), (687, 21424), (689, 21430), (731, 21511), (762, 21586), (767, 21604), (769, 21613), (775, 21637), (777, 21643), (790, 21682), (820, 21736), (821, 21739), (828, 21760), (899, 21985), (943, 22090), (945, 22096), (992, 22231),

Gene: Jerm_30 Start: 20633, Stop: 22405, Start Num: 156
Candidate Starts for Jerm_30:
(Start: 136 @20609 has 48 MA's), (Start: 156 @20633 has 559 MA's), (238, 20732), (281, 20816), (323, 20867), (325, 20870), (366, 20942), (367, 20945), (402, 20999), (421, 21038), (465, 21116), (508, 21203), (550, 21284), (556, 21287), (635, 21473), (675, 21560), (723, 21665), (731, 21680), (775, 21806), (777, 21812), (808, 21860), (835, 21938), (837, 21944), (855, 21998), (866, 22037), (869, 22052), (899, 22136), (945, 22247),

Gene: Jerm2_28 Start: 21333, Stop: 23135, Start Num: 159
Candidate Starts for Jerm2_28:
(Start: 159 @21333 has 217 MA's), (Start: 176 @21354 has 45 MA's), (Start: 204 @21396 has 1 MA's), (237, 21441), (367, 21657), (395, 21702), (402, 21711), (421, 21750), (448, 21801), (449, 21804), (556, 21999), (581, 22068), (674, 22269), (675, 22272), (683, 22293), (730, 22389), (731, 22392), (733, 22398), (762, 22467), (767, 22485), (769, 22494), (777, 22524), (821, 22620), (831, 22653), (835, 22668), (879, 22809), (899, 22866), (945, 22977),

Gene: Jester_23 Start: 16278, Stop: 17918, Start Num: 171
Candidate Starts for Jester_23:
(Start: 171 @16278 has 28 MA's), (Start: 182 @16293 has 32 MA's), (Start: 212 @16335 has 47 MA's), (232, 16362), (256, 16398), (342, 16539), (367, 16584), (439, 16713), (465, 16755), (475, 16773), (478, 16782), (486, 16806), (495, 16824), (525, 16854), (534, 16869), (535, 16872), (546, 16911), (556, 16920), (590, 17004), (635, 17058), (644, 17073), (669, 17121), (675, 17145), (730, 17259), (762, 17337), (772, 17376), (775, 17388), (778, 17397), (808, 17418), (835, 17496), (894, 17643), (938, 17742), (943, 17757), (998, 17910),

Gene: JetBlade_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for JetBlade_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: JewelBug_31 Start: 19981, Stop: 21753, Start Num: 156
Candidate Starts for JewelBug_31:
(110, 19915), (Start: 136 @19957 has 48 MA's), (Start: 156 @19981 has 559 MA's), (Start: 260 @20119 has 1 MA's), (286, 20179), (325, 20218), (366, 20290), (367, 20293), (379, 20311), (402, 20347), (406, 20353), (465, 20464), (469, 20470), (484, 20509), (508, 20551), (536, 20590), (550, 20632), (556, 20635), (575, 20695), (684, 20932), (689, 20947), (731, 21028), (766, 21115), (777, 21160), (835, 21286), (852, 21337), (855, 21346), (866, 21385), (867, 21388), (869, 21400), (899, 21484), (943, 21589), (945, 21595), (992, 21730),

Gene: Jiawan_29 Start: 21785, Stop: 23575, Start Num: 156
Candidate Starts for Jiawan_29:
(Start: 153 @21782 has 9 MA's), (Start: 156 @21785 has 559 MA's), (323, 22019), (325, 22022), (366, 22094), (367, 22097), (376, 22112), (402, 22151), (406, 22157), (465, 22268), (508, 22355), (550, 22436), (556, 22439), (635, 22625), (669, 22688), (675, 22712), (677, 22718), (689, 22751), (731, 22832), (775, 22958), (788, 23000), (821, 23060), (831, 23093), (835, 23108), (866, 23207), (867, 23210), (869, 23222), (899, 23306), (925, 23372), (943, 23411), (945, 23417), (964, 23462), (983, 23519), (984, 23522),

Gene: Jifall16_40 Start: 30479, Stop: 32092, Start Num: 202
Candidate Starts for Jifall16_40:
(Start: 202 @30479 has 36 MA's), (Start: 231 @30515 has 1 MA's), (242, 30533), (277, 30593), (406, 30833), (410, 30845), (417, 30860), (458, 30926), (469, 30941), (481, 30965), (482, 30968), (519, 31052), (535, 31082), (536, 31085), (562, 31142), (576, 31190), (577, 31193), (590, 31214), (663, 31319), (686, 31364), (704, 31406), (773, 31580), (783, 31610), (785, 31616), (860, 31724), (861, 31727), (885, 31802), (980, 32021), (998, 32078),

Gene: Jinglebell_15 Start: 15041, Stop: 16750, Start Num: 142
Candidate Starts for Jinglebell_15:
(Start: 142 @15041 has 207 MA's), (215, 15128), (232, 15149), (Start: 249 @15173 has 2 MA's), (258, 15197), (266, 15218), (299, 15302), (301, 15308), (309, 15326), (332, 15356), (390, 15461), (419, 15515), (422, 15521), (432, 15539), (434, 15542), (437, 15551), (450, 15575), (535, 15650), (539, 15662), (544, 15677), (546, 15683), (558, 15701), (564, 15716), (566, 15722), (574, 15749), (580, 15758), (589, 15773), (591, 15779), (605, 15827), (611, 15839), (614, 15845), (648, 15905), (653, 15917), (666, 15953), (670, 15965), (677, 15986), (700, 16040), (704, 16049), (713, 16067), (715, 16073), (730, 16103), (806, 16208), (810, 16217), (812, 16220), (825, 16256), (836, 16295), (847, 16334), (885, 16454), (896, 16487), (911, 16517), (919, 16547), (924, 16556), (928, 16562), (944, 16577), (945, 16580), (953, 16601), (955, 16604), (971, 16640), (973, 16646), (980, 16676), (992, 16718),

Gene: Job42_19 Start: 16488, Stop: 18197, Start Num: 142
Candidate Starts for Job42_19:
(Start: 142 @16488 has 207 MA's), (215, 16575), (Start: 249 @16620 has 2 MA's), (258, 16644), (299, 16749), (301, 16755), (309, 16773), (332, 16803), (390, 16908), (422, 16968), (434, 16989), (437, 16998), (450, 17022), (558, 17148), (564, 17163), (566, 17169), (580, 17205), (582, 17208), (589, 17220), (591, 17226), (605, 17274), (611, 17286), (614, 17292), (648, 17352), (653, 17364), (666, 17400), (670, 17412), (700, 17487), (704, 17496), (713, 17514), (715, 17520), (730, 17550), (806, 17655), (810, 17664), (812, 17667), (825, 17703), (847, 17781), (878, 17880), (885, 17901), (896, 17934), (911, 17964), (919, 17994), (924, 18003), (928, 18009), (944, 18024), (945, 18027), (953, 18048), (955, 18051), (968, 18081), (973, 18093), (992, 18165),

Gene: Jobu08_29 Start: 20451, Stop: 22247, Start Num: 156
Candidate Starts for Jobu08_29:
(Start: 156 @20451 has 559 MA's), (Start: 204 @20508 has 1 MA's), (215, 20523), (238, 20556), (254, 20577), (259, 20592), (Start: 303 @20679 has 11 MA's), (323, 20691), (325, 20694), (367, 20769), (376, 20784), (400, 20820), (508, 21027), (581, 21180), (615, 21267), (674, 21381), (683, 21405), (689, 21423), (731, 21504), (762, 21579), (767, 21597), (775, 21630), (777, 21636), (790, 21675), (820, 21729), (821, 21732), (828, 21753), (844, 21810), (899, 21978), (943, 22083), (945, 22089), (992, 22224),

Gene: Jobypre_19 Start: 17373, Stop: 19136, Start Num: 136
Candidate Starts for Jobypre_19:

(Start: 136 @17373 has 48 MA's), (Start: 161 @17400 has 14 MA's), (207, 17463), (241, 17511), (246, 17517), (269, 17553), (296, 17628), (Start: 303 @17652 has 11 MA's), (318, 17658), (346, 17715), (414, 17829), (419, 17841), (478, 17952), (556, 18096), (562, 18108), (572, 18141), (674, 18330), (676, 18336), (695, 18393), (716, 18435), (724, 18444), (731, 18456), (762, 18531), (782, 18600), (785, 18612), (826, 18660), (858, 18726), (881, 18804), (896, 18849), (919, 18906), (951, 18969), (963, 19005), (969, 19020), (977, 19050), (979, 19056), (983, 19068), (985, 19077), (989, 19089),

Gene: JoeDirt_18 Start: 16738, Stop: 18507, Start Num: 136
Candidate Starts for JoeDirt_18:
(Start: 103 @16675 has 1 MA's), (Start: 111 @16696 has 74 MA's), (Start: 119 @16711 has 3 MA's), (Start: 136 @16738 has 48 MA's), (207, 16831), (241, 16879), (246, 16885), (265, 16912), (269, 16921), (295, 16993), (298, 17002), (318, 17026), (327, 17041), (342, 17071), (414, 17197), (417, 17206), (427, 17227), (435, 17242), (475, 17311), (488, 17347), (501, 17368), (542, 17437), (562, 17476), (636, 17614), (644, 17626), (674, 17701), (676, 17707), (683, 17725), (695, 17764), (712, 17797), (716, 17806), (724, 17815), (730, 17824), (774, 17947), (785, 17983), (826, 18031), (830, 18043), (858, 18097), (888, 18193), (893, 18211), (895, 18217), (896, 18220), (912, 18253), (919, 18277), (951, 18340), (965, 18382), (977, 18421), (983, 18439), (989, 18460), (994, 18481),

Gene: JoeyJr_16 Start: 14976, Stop: 16685, Start Num: 142
Candidate Starts for JoeyJr_16:
(Start: 142 @14976 has 207 MA's), (215, 15063), (Start: 249 @15108 has 2 MA's), (258, 15132), (299, 15237), (301, 15243), (309, 15261), (332, 15291), (390, 15396), (422, 15456), (434, 15477), (437, 15486), (450, 15510), (558, 15636), (564, 15651), (566, 15657), (580, 15693), (582, 15696), (589, 15708), (591, 15714), (605, 15762), (611, 15774), (614, 15780), (648, 15840), (653, 15852), (666, 15888), (670, 15900), (700, 15975), (704, 15984), (713, 16002), (715, 16008), (730, 16038), (806, 16143), (810, 16152), (812, 16155), (825, 16191), (847, 16269), (878, 16368), (885, 16389), (896, 16422), (911, 16452), (919, 16482), (924, 16491), (928, 16497), (944, 16512), (945, 16515), (953, 16536), (955, 16539), (973, 16581), (980, 16611), (992, 16653),

Gene: JoieB_51 Start: 27397, Stop: 29109, Start Num: 175
Candidate Starts for JoieB_51:
(122, 27334), (Start: 175 @27397 has 56 MA's), (Start: 233 @27478 has 1 MA's), (266, 27535), (296, 27616), (298, 27622), (339, 27679), (342, 27691), (346, 27703), (367, 27742), (376, 27757), (417, 27826), (445, 27880), (449, 27889), (539, 28045), (562, 28093), (564, 28102), (567, 28111), (581, 28150), (590, 28165), (636, 28228), (644, 28240), (689, 28357), (690, 28360), (712, 28411), (729, 28438), (731, 28441), (738, 28462), (758, 28504), (820, 28624), (826, 28642), (881, 28786), (896, 28831), (905, 28849), (942, 28933), (945, 28942), (951, 28960), (961, 28981), (977, 29026), (979, 29032), (983, 29044), (986, 29056), (992, 29077), (998, 29092), (1002, 29098),

Gene: Jojo24_18 Start: 14985, Stop: 16601, Start Num: 177
Candidate Starts for Jojo24_18:
(Start: 177 @14985 has 11 MA's), (247, 15084), (255, 15108), (300, 15219), (301, 15222), (306, 15240), (317, 15249), (348, 15315), (361, 15330), (364, 15339), (368, 15345), (418, 15435), (446, 15489), (450, 15498), (566, 15588), (607, 15699), (642, 15771), (648, 15777), (651, 15786), (661, 15804), (691, 15894), (700, 15909), (740, 15993), (746, 16008), (753, 16026), (761, 16038), (821, 16104), (835, 16152), (839, 16164), (842, 16176), (848, 16197), (854, 16209), (858, 16224), (867, 16254), (878, 16290), (948, 16443), (964, 16479), (984, 16542), (990, 16563), (998, 16587), (1001, 16593),

Gene: Jolene_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Jolene_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039),

(395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Jolie2_18 Start: 15988, Stop: 17715, Start Num: 201
Candidate Starts for Jolie2_18:
(Start: 194 @15976 has 44 MA's), (Start: 196 @15982 has 2 MA's), (201, 15988), (256, 16066), (277, 16120), (295, 16171), (311, 16201), (325, 16225), (357, 16303), (367, 16327), (395, 16372), (448, 16471), (525, 16627), (536, 16648), (539, 16657), (551, 16690), (557, 16696), (571, 16735), (583, 16765), (647, 16861), (702, 17002), (731, 17059), (751, 17107), (762, 17134), (774, 17182), (775, 17185), (790, 17224), (862, 17350), (885, 17422), (948, 17554), (984, 17653), (996, 17695),

Gene: JonJames_47 Start: 32980, Stop: 34674, Start Num: 160
Candidate Starts for JonJames_47:
(Start: 160 @32980 has 2 MA's), (207, 33046), (Start: 212 @33052 has 47 MA's), (250, 33109), (317, 33268), (324, 33280), (392, 33406), (418, 33454), (564, 33604), (586, 33655), (591, 33667), (592, 33673), (653, 33814), (661, 33829), (720, 33988), (764, 34096), (842, 34225), (844, 34231), (846, 34240), (867, 34303), (879, 34342), (882, 34351), (899, 34399), (932, 34474), (967, 34534), (981, 34582), (989, 34609), (991, 34618), (992, 34621),

Gene: Jonghyun_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Jonghyun_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: JoongJeon_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for JoongJeon_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: JorRay_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for JorRay_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Jordennis_31 Start: 19942, Stop: 21738, Start Num: 136
Candidate Starts for Jordennis_31:
(110, 19900), (Start: 136 @19942 has 48 MA's), (Start: 156 @19966 has 559 MA's), (286, 20164), (325, 20203), (366, 20275), (367, 20278), (379, 20296), (402, 20332), (406, 20338), (465, 20449),

(469, 20455), (508, 20536), (536, 20575), (550, 20617), (556, 20620), (575, 20680), (684, 20917), (689, 20932), (731, 21013), (766, 21100), (777, 21145), (835, 21271), (852, 21322), (855, 21331), (866, 21370), (867, 21373), (869, 21385), (899, 21469), (943, 21574), (945, 21580), (992, 21715),

Gene: Jorgensen_27 Start: 20997, Stop: 22799, Start Num: 159
Candidate Starts for Jorgensen_27:
(Start: 159 @20997 has 217 MA's), (Start: 176 @21018 has 45 MA's), (Start: 204 @21060 has 1 MA's), (237, 21105), (367, 21321), (395, 21366), (402, 21375), (421, 21414), (448, 21465), (449, 21468), (556, 21663), (581, 21732), (674, 21933), (675, 21936), (683, 21957), (730, 22053), (731, 22056), (733, 22062), (762, 22131), (767, 22149), (769, 22158), (777, 22188), (821, 22284), (831, 22317), (835, 22332), (879, 22473), (899, 22530), (945, 22641),

Gene: Joselito_28 Start: 20755, Stop: 22554, Start Num: 156
Candidate Starts for Joselito_28:
(110, 20689), (Start: 136 @20731 has 48 MA's), (Start: 156 @20755 has 559 MA's), (Start: 196 @20797 has 2 MA's), (Start: 260 @20893 has 1 MA's), (269, 20908), (323, 20989), (325, 20992), (367, 21067), (376, 21082), (402, 21121), (406, 21127), (430, 21178), (465, 21238), (469, 21244), (508, 21325), (556, 21409), (603, 21535), (609, 21553), (622, 21580), (689, 21721), (723, 21787), (730, 21799), (731, 21802), (800, 21991), (813, 22018), (819, 22027), (824, 22048), (825, 22051), (831, 22072), (835, 22087), (842, 22111), (866, 22186), (869, 22201), (899, 22285), (943, 22390), (945, 22396), (968, 22450), (1000, 22549),

Gene: JoshKayV_30 Start: 20603, Stop: 22375, Start Num: 156
Candidate Starts for JoshKayV_30:
(Start: 136 @20579 has 48 MA's), (Start: 156 @20603 has 559 MA's), (238, 20702), (281, 20786), (323, 20837), (325, 20840), (366, 20912), (367, 20915), (402, 20969), (421, 21008), (465, 21086), (508, 21173), (550, 21254), (556, 21257), (675, 21530), (723, 21635), (731, 21650), (775, 21776), (777, 21782), (808, 21830), (813, 21839), (821, 21860), (831, 21893), (835, 21908), (837, 21914), (855, 21968), (866, 22007), (869, 22022), (899, 22106), (945, 22217),

Gene: Journey_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Journey_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Journey13_26 Start: 19324, Stop: 21123, Start Num: 156
Candidate Starts for Journey13_26:
(110, 19258), (Start: 136 @19300 has 48 MA's), (Start: 156 @19324 has 559 MA's), (238, 19423), (Start: 260 @19462 has 1 MA's), (323, 19558), (325, 19561), (366, 19633), (367, 19636), (376, 19651), (402, 19690), (406, 19696), (465, 19807), (469, 19813), (475, 19825), (508, 19894), (541, 19951), (550, 19975), (556, 19978), (603, 20104), (617, 20140), (689, 20290), (723, 20356), (731, 20371), (774, 20494), (800, 20560), (813, 20587), (821, 20608), (824, 20617), (831, 20641), (835, 20656), (842, 20680), (866, 20755), (869, 20770), (943, 20959), (945, 20965), (964, 21010),

Gene: Jovo_24 Start: 19845, Stop: 21644, Start Num: 156
Candidate Starts for Jovo_24:

(Start: 156 @19845 has 559 MA's), (Start: 260 @19983 has 1 MA's), (325, 20082), (367, 20157), (400, 20208), (436, 20280), (445, 20295), (465, 20328), (469, 20334), (522, 20427), (567, 20529), (575, 20559), (579, 20565), (615, 20655), (635, 20685), (670, 20757), (674, 20769), (675, 20772), (689, 20811), (694, 20829), (730, 20889), (731, 20892), (752, 20943), (767, 20985), (820, 21126), (833, 21168), (945, 21486), (992, 21621),

Gene: Joy99_23 Start: 17117, Stop: 18883, Start Num: 178
Candidate Starts for Joy99_23:
(Start: 178 @17117 has 139 MA's), (198, 17147), (284, 17306), (295, 17339), (311, 17369), (329, 17402), (335, 17414), (371, 17504), (400, 17546), (436, 17618), (441, 17627), (465, 17666), (484, 17711), (491, 17732), (492, 17735), (527, 17789), (536, 17807), (551, 17849), (557, 17855), (567, 17882), (647, 18020), (656, 18038), (670, 18080), (676, 18098), (688, 18128), (702, 18155), (751, 18260), (821, 18419), (832, 18455), (841, 18485), (853, 18494), (879, 18569), (896, 18620), (983, 18815), (993, 18854), (994, 18857), (1004, 18875),

Gene: Jsquared_27 Start: 19089, Stop: 20879, Start Num: 156
Candidate Starts for Jsquared_27:
(110, 19023), (Start: 136 @19065 has 48 MA's), (Start: 156 @19089 has 559 MA's), (Start: 260 @19227 has 1 MA's), (269, 19242), (323, 19323), (325, 19326), (366, 19398), (367, 19401), (402, 19455), (406, 19461), (414, 19479), (445, 19539), (465, 19572), (469, 19578), (484, 19617), (508, 19659), (550, 19740), (556, 19743), (575, 19803), (615, 19899), (635, 19929), (674, 20013), (689, 20055), (712, 20106), (731, 20136), (775, 20262), (803, 20325), (831, 20397), (835, 20412), (842, 20436), (866, 20511), (869, 20526), (899, 20610), (943, 20715), (945, 20721), (951, 20739), (964, 20766), (968, 20775),

Gene: JuJu_19 Start: 16575, Stop: 18221, Start Num: 227
Candidate Starts for JuJu_19:
(203, 16539), (Start: 227 @16575 has 45 MA's), (283, 16677), (318, 16755), (374, 16854), (396, 16893), (435, 16974), (468, 17028), (475, 17043), (560, 17139), (591, 17214), (600, 17244), (677, 17427), (686, 17451), (739, 17595), (744, 17607), (765, 17652), (799, 17667), (843, 17799), (844, 17802), (875, 17901), (881, 17919), (921, 18030), (925, 18036), (963, 18099), (968, 18111),

Gene: Jubie_19 Start: 17374, Stop: 19137, Start Num: 136
Candidate Starts for Jubie_19:
(Start: 136 @17374 has 48 MA's), (Start: 161 @17401 has 14 MA's), (207, 17464), (241, 17512), (246, 17518), (269, 17554), (296, 17629), (Start: 303 @17653 has 11 MA's), (318, 17659), (346, 17716), (414, 17830), (419, 17842), (478, 17953), (556, 18097), (562, 18109), (572, 18142), (674, 18331), (676, 18337), (695, 18394), (716, 18436), (724, 18445), (731, 18457), (762, 18532), (782, 18601), (785, 18613), (826, 18661), (858, 18727), (881, 18805), (896, 18850), (919, 18907), (951, 18970), (963, 19006), (969, 19021), (977, 19051), (979, 19057), (983, 19069), (985, 19078), (989, 19090),

Gene: Juice456_18 Start: 15928, Stop: 17637, Start Num: 142
Candidate Starts for Juice456_18:
(Start: 142 @15928 has 207 MA's), (215, 16015), (Start: 249 @16060 has 2 MA's), (258, 16084), (299, 16189), (301, 16195), (309, 16213), (332, 16243), (390, 16348), (394, 16354), (422, 16408), (425, 16417), (434, 16429), (437, 16438), (450, 16462), (539, 16549), (544, 16564), (558, 16588), (564, 16603), (566, 16609), (580, 16645), (582, 16648), (589, 16660), (591, 16666), (605, 16714), (611, 16726), (614, 16732), (648, 16792), (653, 16804), (666, 16840), (670, 16852), (677, 16873), (700, 16927), (704, 16936), (713, 16954), (715, 16960), (730, 16990), (806, 17095), (810, 17104), (812, 17107), (825, 17143), (844, 17209), (847, 17221), (878, 17320), (885, 17341), (896, 17374), (911, 17404), (919, 17434), (924, 17443), (928, 17449), (944, 17464), (945, 17467), (955, 17491), (968, 17521), (973, 17533), (980, 17563), (992, 17605),

Gene: Juicebox_19 Start: 17730, Stop: 19400, Start Num: 169
Candidate Starts for Juicebox_19:
(18, 17085), (25, 17160), (27, 17184), (64, 17439), (67, 17457), (87, 17586), (Start: 160 @17718 has 2 MA's), (Start: 169 @17730 has 3 MA's), (Start: 204 @17781 has 1 MA's), (237, 17826), (289, 17943), (426, 18159), (453, 18204), (458, 18213), (562, 18405), (579, 18459), (635, 18531), (730, 18732), (731, 18735), (739, 18762), (741, 18765), (755, 18801), (760, 18807), (767, 18831), (772, 18852), (774, 18861), (777, 18870), (778, 18873), (840, 18990), (875, 19065), (878, 19074), (951, 19260), (952, 19263), (971, 19302), (982, 19341), (1000, 19395),

Gene: JuliaChild_29 Start: 21585, Stop: 23387, Start Num: 159
Candidate Starts for JuliaChild_29:
(Start: 159 @21585 has 217 MA's), (Start: 176 @21606 has 45 MA's), (Start: 204 @21648 has 1 MA's), (237, 21693), (367, 21909), (395, 21954), (402, 21963), (421, 22002), (448, 22053), (449, 22056), (556, 22251), (581, 22320), (674, 22521), (675, 22524), (683, 22545), (730, 22641), (731, 22644), (733, 22650), (762, 22719), (767, 22737), (769, 22746), (777, 22776), (821, 22872), (831, 22905), (835, 22920), (879, 23061), (899, 23118), (945, 23229),

Gene: Juliette_24 Start: 18520, Stop: 20310, Start Num: 176
Candidate Starts for Juliette_24:
(Start: 146 @18484 has 1 MA's), (Start: 171 @18514 has 28 MA's), (Start: 176 @18520 has 45 MA's), (Start: 178 @18523 has 139 MA's), (Start: 196 @18538 has 2 MA's), (228, 18580), (256, 18628), (272, 18667), (277, 18682), (284, 18700), (295, 18733), (311, 18763), (335, 18808), (342, 18826), (371, 18898), (376, 18904), (395, 18934), (397, 18937), (430, 19000), (436, 19012), (498, 19147), (509, 19165), (534, 19195), (536, 19201), (541, 19219), (557, 19249), (571, 19288), (647, 19414), (671, 19477), (751, 19678), (769, 19732), (782, 19777), (808, 19822), (821, 19846), (831, 19879), (841, 19912), (875, 19984), (879, 19996), (896, 20047), (899, 20053), (951, 20155), (993, 20281), (1004, 20302),

Gene: Jung_19 Start: 16311, Stop: 18047, Start Num: 137
Candidate Starts for Jung_19:
(Start: 121 @16287 has 6 MA's), (Start: 137 @16311 has 45 MA's), (Start: 186 @16371 has 1 MA's), (198, 16392), (201, 16395), (274, 16515), (290, 16554), (300, 16587), (317, 16611), (382, 16731), (405, 16770), (407, 16776), (447, 16860), (450, 16866), (457, 16878), (473, 16902), (485, 16929), (538, 16947), (555, 16986), (558, 16992), (567, 17016), (591, 17070), (594, 17082), (597, 17091), (621, 17151), (658, 17229), (670, 17268), (682, 17301), (704, 17367), (715, 17391), (726, 17415), (740, 17445), (822, 17559), (827, 17571), (828, 17574), (830, 17580), (832, 17589), (865, 17697), (892, 17781), (937, 17880), (983, 17988), (998, 18036),

Gene: Juniormint_19 Start: 16411, Stop: 18147, Start Num: 137
Candidate Starts for Juniormint_19:
(Start: 121 @16387 has 6 MA's), (Start: 137 @16411 has 45 MA's), (Start: 186 @16471 has 1 MA's), (198, 16492), (201, 16495), (274, 16615), (290, 16654), (300, 16687), (317, 16711), (382, 16831), (405, 16870), (407, 16876), (447, 16960), (450, 16966), (457, 16978), (473, 17002), (485, 17029), (538, 17047), (555, 17086), (558, 17092), (567, 17116), (591, 17170), (594, 17182), (597, 17191), (621, 17251), (658, 17329), (670, 17368), (682, 17401), (704, 17467), (711, 17482), (715, 17491), (726, 17515), (740, 17545), (746, 17557), (822, 17659), (827, 17671), (828, 17674), (830, 17680), (832, 17689), (865, 17797), (892, 17881), (937, 17980), (983, 18088), (998, 18136),

Gene: Juniper1_16 Start: 14801, Stop: 16510, Start Num: 142
Candidate Starts for Juniper1_16:
(Start: 142 @14801 has 207 MA's), (215, 14888), (232, 14909), (Start: 249 @14933 has 2 MA's), (258, 14957), (266, 14978), (299, 15062), (301, 15068), (309, 15086), (332, 15116), (370, 15188), (390, 15221), (419, 15275), (422, 15281), (432, 15299), (434, 15302), (437, 15311), (450, 15335), (475,

15377), (535, 15410), (539, 15422), (544, 15437), (546, 15443), (558, 15461), (564, 15476), (566, 15482), (580, 15518), (582, 15521), (589, 15533), (591, 15539), (605, 15587), (611, 15599), (614, 15605), (648, 15665), (653, 15677), (666, 15713), (670, 15725), (677, 15746), (700, 15800), (704, 15809), (713, 15827), (715, 15833), (730, 15863), (806, 15968), (810, 15977), (812, 15980), (825, 16016), (836, 16055), (847, 16094), (878, 16193), (885, 16214), (896, 16247), (911, 16277), (919, 16307), (922, 16313), (924, 16316), (928, 16322), (944, 16337), (945, 16340), (953, 16361), (955, 16364), (973, 16406), (992, 16478),

Gene: JustASigh_18 Start: 16356, Stop: 18098, Start Num: 176
Candidate Starts for JustASigh_18:
(1, 15306), (2, 15348), (3, 15354), (8, 15468), (13, 15660), (17, 15693), (24, 15771), (42, 15906), (145, 16320), (Start: 176 @16356 has 45 MA's), (243, 16446), (258, 16476), (272, 16509), (319, 16623), (359, 16722), (436, 16863), (445, 16878), (534, 17034), (536, 17040), (537, 17043), (567, 17115), (572, 17130), (576, 17145), (599, 17196), (644, 17244), (718, 17412), (789, 17604), (875, 17772), (889, 17811), (911, 17865), (925, 17895), (948, 17934), (964, 17970), (969, 17982), (986, 18042),

Gene: KADY_30 Start: 20463, Stop: 22259, Start Num: 156
Candidate Starts for KADY_30:
(Start: 156 @20463 has 559 MA's), (Start: 204 @20520 has 1 MA's), (215, 20535), (238, 20568), (254, 20589), (259, 20604), (Start: 303 @20691 has 11 MA's), (323, 20703), (325, 20706), (367, 20781), (376, 20796), (400, 20832), (508, 21039), (567, 21153), (581, 21192), (615, 21279), (674, 21393), (683, 21417), (689, 21435), (731, 21516), (762, 21591), (767, 21609), (775, 21642), (777, 21648), (790, 21687), (820, 21741), (821, 21744), (828, 21765), (844, 21822), (899, 21990), (943, 22095), (945, 22101), (992, 22236),

Gene: KBG_28 Start: 21996, Stop: 23798, Start Num: 159
Candidate Starts for KBG_28:
(Start: 159 @21996 has 217 MA's), (Start: 176 @22017 has 45 MA's), (Start: 204 @22059 has 1 MA's), (237, 22104), (367, 22320), (395, 22365), (402, 22374), (448, 22464), (449, 22467), (556, 22662), (581, 22731), (670, 22920), (674, 22932), (675, 22935), (683, 22956), (730, 23052), (731, 23055), (733, 23061), (762, 23130), (767, 23148), (769, 23157), (777, 23187), (821, 23283), (831, 23316), (835, 23331), (879, 23472), (899, 23529), (945, 23640), (1000, 23793),

Gene: KFPoly_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for KFPoly_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (983, 21549), (987, 21564), (992, 21582),

Gene: KSSJEB_27 Start: 20890, Stop: 22692, Start Num: 159
Candidate Starts for KSSJEB_27:
(Start: 159 @20890 has 217 MA's), (Start: 176 @20911 has 45 MA's), (Start: 204 @20953 has 1 MA's), (237, 20998), (367, 21214), (395, 21259), (402, 21268), (421, 21307), (448, 21358), (449, 21361), (556, 21556), (581, 21625), (674, 21826), (675, 21829), (683, 21850), (730, 21946), (731, 21949), (733, 21955), (762, 22024), (767, 22042), (769, 22051), (777, 22081), (821, 22177), (831, 22210), (835, 22225), (879, 22366), (899, 22423), (945, 22534),

Gene: Kabluna_44 Start: 29561, Stop: 31177, Start Num: 202
Candidate Starts for Kabluna_44:

(Start: 202 @29561 has 36 MA's), (Start: 211 @29573 has 16 MA's), (277, 29675), (313, 29759), (417, 29942), (458, 30008), (469, 30023), (481, 30047), (519, 30134), (535, 30164), (536, 30167), (562, 30224), (590, 30296), (663, 30401), (704, 30488), (728, 30536), (773, 30662), (785, 30698), (861, 30809), (885, 30884), (968, 31061), (980, 31103), (998, 31160),

Gene: Kachowdy_27 Start: 19960, Stop: 21759, Start Num: 156
Candidate Starts for Kachowdy_27:
(Start: 156 @19960 has 559 MA's), (Start: 204 @20020 has 1 MA's), (254, 20089), (Start: 303 @20191 has 11 MA's), (323, 20203), (325, 20206), (367, 20281), (376, 20296), (379, 20299), (402, 20335), (475, 20470), (508, 20539), (567, 20653), (615, 20779), (674, 20893), (683, 20917), (687, 20929), (689, 20935), (731, 21016), (762, 21091), (767, 21109), (769, 21118), (775, 21142), (777, 21148), (782, 21163), (803, 21205), (819, 21232), (820, 21241), (821, 21244), (828, 21265), (831, 21277), (899, 21490), (943, 21595), (945, 21601), (992, 21736),

Gene: Kahlid_18 Start: 16994, Stop: 18727, Start Num: 175
Candidate Starts for Kahlid_18:
(Start: 175 @16994 has 56 MA's), (223, 17063), (295, 17204), (296, 17207), (327, 17252), (343, 17285), (346, 17294), (366, 17330), (400, 17384), (414, 17411), (419, 17423), (445, 17474), (448, 17480), (469, 17513), (546, 17666), (562, 17690), (564, 17699), (579, 17744), (588, 17759), (636, 17837), (686, 17957), (712, 18020), (746, 18092), (764, 18128), (824, 18248), (826, 18254), (830, 18266), (860, 18329), (888, 18416), (896, 18443), (925, 18512), (935, 18527), (943, 18539), (951, 18563), (977, 18641),

Gene: Kalah2_37 Start: 27936, Stop: 29669, Start Num: 141
Candidate Starts for Kalah2_37:
(Start: 141 @27936 has 37 MA's), (Start: 212 @28026 has 47 MA's), (245, 28074), (258, 28104), (317, 28233), (334, 28263), (385, 28362), (407, 28398), (420, 28425), (457, 28497), (464, 28506), (475, 28527), (546, 28596), (566, 28635), (567, 28638), (572, 28653), (591, 28692), (605, 28740), (611, 28752), (614, 28758), (630, 28806), (635, 28815), (650, 28836), (658, 28854), (673, 28902), (713, 29004), (740, 29064), (746, 29076), (819, 29160), (821, 29172), (822, 29178), (827, 29190), (828, 29193), (839, 29232), (844, 29250), (857, 29286), (858, 29292), (885, 29379), (918, 29469), (948, 29511), (958, 29529), (969, 29559), (981, 29601), (998, 29655),

Gene: Kalb97_30 Start: 20459, Stop: 22255, Start Num: 156
Candidate Starts for Kalb97_30:
(Start: 156 @20459 has 559 MA's), (Start: 204 @20516 has 1 MA's), (215, 20531), (254, 20585), (259, 20600), (Start: 303 @20687 has 11 MA's), (323, 20699), (325, 20702), (367, 20777), (376, 20792), (508, 21035), (581, 21188), (615, 21275), (669, 21368), (674, 21389), (683, 21413), (687, 21425), (689, 21431), (731, 21512), (762, 21587), (767, 21605), (769, 21614), (775, 21638), (777, 21644), (782, 21659), (790, 21683), (820, 21737), (821, 21740), (828, 21761), (943, 22091), (945, 22097), (992, 22232),

Gene: Kalnoky_30 Start: 20460, Stop: 22256, Start Num: 156
Candidate Starts for Kalnoky_30:
(Start: 156 @20460 has 559 MA's), (Start: 204 @20517 has 1 MA's), (215, 20532), (254, 20586), (259, 20601), (Start: 303 @20688 has 11 MA's), (323, 20700), (325, 20703), (367, 20778), (376, 20793), (508, 21036), (581, 21189), (615, 21276), (674, 21390), (683, 21414), (687, 21426), (689, 21432), (731, 21513), (762, 21588), (767, 21606), (769, 21615), (775, 21639), (777, 21645), (790, 21684), (820, 21738), (821, 21741), (828, 21762), (899, 21987), (943, 22092), (945, 22098), (992, 22233),

Gene: Kalpine_31 Start: 21962, Stop: 23758, Start Num: 136
Candidate Starts for Kalpine_31:

(Start: 136 @21962 has 48 MA's), (Start: 156 @21986 has 559 MA's), (323, 22220), (325, 22223), (366, 22295), (367, 22298), (402, 22352), (406, 22358), (421, 22391), (465, 22469), (508, 22556), (550, 22637), (556, 22640), (567, 22670), (674, 22910), (675, 22913), (689, 22952), (723, 23018), (731, 23033), (777, 23165), (808, 23213), (821, 23243), (831, 23276), (835, 23291), (837, 23297), (855, 23351), (869, 23405), (899, 23489), (925, 23555), (933, 23567), (943, 23594), (945, 23600),

Gene: Kamaru_20 Start: 16421, Stop: 18118, Start Num: 156
Candidate Starts for Kamaru_20:
(122, 16382), (Start: 156 @16421 has 559 MA's), (Start: 169 @16433 has 3 MA's), (Start: 195 @16472 has 1 MA's), (223, 16511), (238, 16532), (266, 16580), (271, 16589), (286, 16631), (323, 16667), (346, 16724), (377, 16772), (393, 16799), (473, 16940), (495, 16997), (506, 17015), (522, 17024), (525, 17030), (543, 17078), (557, 17108), (570, 17144), (572, 17150), (579, 17171), (581, 17174), (602, 17225), (636, 17252), (637, 17255), (654, 17282), (666, 17309), (691, 17381), (710, 17420), (743, 17474), (761, 17516), (783, 17591), (824, 17654), (832, 17681), (833, 17684), (837, 17699), (875, 17783), (878, 17792), (879, 17795), (881, 17801), (885, 17813), (887, 17816), (897, 17846), (900, 17852), (909, 17873), (911, 17876), (933, 17930), (945, 17960), (948, 17969), (970, 18020), (980, 18053), (984, 18065), (989, 18083),

Gene: Kamashten_34 Start: 30813, Stop: 32576, Start Num: 111
Candidate Starts for Kamashten_34:
(104, 30795), (Start: 111 @30813 has 74 MA's), (Start: 131 @30849 has 1 MA's), (238, 30987), (285, 31083), (289, 31092), (340, 31161), (367, 31212), (395, 31257), (406, 31272), (448, 31353), (475, 31398), (478, 31407), (495, 31446), (535, 31497), (536, 31500), (543, 31527), (550, 31542), (562, 31566), (571, 31596), (641, 31701), (689, 31818), (695, 31836), (699, 31851), (723, 31881), (730, 31893), (731, 31896), (740, 31923), (879, 32247), (880, 32250), (896, 32298), (909, 32325), (917, 32352), (943, 32406), (952, 32433), (994, 32562),

Gene: Kampy_27 Start: 19825, Stop: 21603, Start Num: 156
Candidate Starts for Kampy_27:
(Start: 136 @19801 has 48 MA's), (Start: 156 @19825 has 559 MA's), (Start: 204 @19882 has 1 MA's), (241, 19936), (254, 19951), (Start: 260 @19969 has 1 MA's), (Start: 303 @20053 has 11 MA's), (323, 20065), (325, 20068), (367, 20143), (376, 20158), (402, 20197), (465, 20314), (508, 20401), (550, 20482), (572, 20530), (581, 20554), (615, 20641), (644, 20686), (675, 20758), (683, 20779), (689, 20797), (731, 20878), (767, 20971), (769, 20980), (775, 21004), (777, 21010), (784, 21034), (821, 21088), (828, 21109), (842, 21160), (850, 21184), (867, 21238), (899, 21334), (943, 21439), (948, 21454), (987, 21562), (992, 21580),

Gene: Kanely_28 Start: 21700, Stop: 23502, Start Num: 159
Candidate Starts for Kanely_28:
(Start: 159 @21700 has 217 MA's), (Start: 176 @21721 has 45 MA's), (Start: 204 @21763 has 1 MA's), (237, 21808), (367, 22024), (395, 22069), (402, 22078), (421, 22117), (448, 22168), (449, 22171), (556, 22366), (581, 22435), (674, 22636), (675, 22639), (683, 22660), (730, 22756), (731, 22759), (733, 22765), (762, 22834), (767, 22852), (769, 22861), (777, 22891), (821, 22987), (831, 23020), (835, 23035), (879, 23176), (899, 23233), (945, 23344),

Gene: Kanye_26 Start: 20732, Stop: 22411, Start Num: 147
Candidate Starts for Kanye_26:
(Start: 147 @20732 has 120 MA's), (Start: 212 @20816 has 47 MA's), (Start: 260 @20894 has 1 MA's), (296, 20981), (301, 20996), (332, 21044), (349, 21083), (405, 21170), (420, 21203), (437, 21239), (454, 21269), (457, 21275), (538, 21344), (561, 21374), (565, 21386), (566, 21389), (591, 21446), (650, 21578), (651, 21584), (675, 21650), (677, 21656), (686, 21680), (704, 21728), (715, 21752), (721, 21761), (754, 21836), (810, 21887), (819, 21902), (867, 22064), (875, 22091), (885, 22121), (926, 22226), (971, 22304), (980, 22340), (983, 22349), (992, 22382), (998, 22397),

Gene: KappaFarmDelta_19 Start: 16818, Stop: 18464, Start Num: 227
Candidate Starts for KappaFarmDelta_19:
(203, 16782), (Start: 227 @16818 has 45 MA's), (283, 16920), (318, 16998), (374, 17097), (396, 17136), (417, 17181), (435, 17217), (468, 17271), (475, 17286), (535, 17319), (553, 17367), (554, 17370), (591, 17457), (600, 17487), (677, 17670), (686, 17694), (739, 17838), (744, 17850), (799, 17910), (843, 18042), (844, 18045), (875, 18144), (881, 18162), (899, 18213), (921, 18273), (925, 18279), (963, 18342), (968, 18354),

Gene: Kareem_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Kareem_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Karhdo_16 Start: 14934, Stop: 16643, Start Num: 142
Candidate Starts for Karhdo_16:
(Start: 142 @14934 has 207 MA's), (215, 15021), (Start: 249 @15066 has 2 MA's), (258, 15090), (282, 15147), (299, 15195), (301, 15201), (309, 15219), (332, 15249), (390, 15354), (419, 15408), (422, 15414), (425, 15423), (434, 15435), (437, 15444), (450, 15468), (473, 15504), (475, 15510), (482, 15522), (535, 15543), (536, 15546), (539, 15555), (544, 15570), (546, 15576), (558, 15594), (564, 15609), (566, 15615), (572, 15633), (573, 15636), (580, 15651), (589, 15666), (591, 15672), (600, 15702), (605, 15720), (611, 15732), (614, 15738), (648, 15798), (653, 15810), (666, 15846), (670, 15858), (677, 15879), (700, 15933), (704, 15942), (715, 15966), (730, 15996), (806, 16101), (812, 16113), (825, 16149), (836, 16188), (847, 16227), (878, 16326), (885, 16347), (896, 16380), (911, 16410), (919, 16440), (924, 16449), (928, 16455), (944, 16470), (945, 16473), (953, 16494), (955, 16497), (973, 16539), (980, 16569), (992, 16611), (993, 16617),

Gene: Kari_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Kari_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Kasen3_18 Start: 16641, Stop: 18404, Start Num: 171
Candidate Starts for Kasen3_18:
(Start: 171 @16641 has 28 MA's), (Start: 194 @16650 has 44 MA's), (Start: 196 @16656 has 2 MA's), (201, 16662), (277, 16794), (295, 16845), (311, 16875), (325, 16899), (367, 17001), (391, 17040), (395, 17046), (406, 17061), (425, 17106), (488, 17226), (513, 17283), (536, 17322), (557, 17370), (567, 17397), (571, 17409), (607, 17490), (647, 17535), (731, 17733), (743, 17763), (751, 17781), (762, 17808), (785, 17892), (805, 17910), (818, 17925), (831, 17973), (835, 17988), (867, 18051), (885, 18108), (899, 18147), (915, 18189), (948, 18240), (983, 18336), (1004, 18396),

Gene: KashFlow_28 Start: 23344, Stop: 25077, Start Num: 141
Candidate Starts for KashFlow_28:

(Start: 141 @23344 has 37 MA's), (Start: 212 @23434 has 47 MA's), (215, 23437), (272, 23539), (296, 23605), (317, 23641), (334, 23671), (340, 23686), (385, 23770), (407, 23806), (420, 23833), (438, 23872), (457, 23905), (464, 23914), (536, 23971), (552, 24013), (586, 24088), (591, 24100), (611, 24160), (630, 24214), (650, 24244), (658, 24262), (662, 24271), (671, 24304), (675, 24316), (677, 24322), (691, 24361), (715, 24418), (819, 24568), (822, 24586), (835, 24628), (842, 24652), (843, 24655), (847, 24670), (858, 24700), (867, 24730), (885, 24787), (958, 24937), (994, 25057), (998, 25063),

Gene: Katalie136_27 Start: 19826, Stop: 21625, Start Num: 156
Candidate Starts for Katalie136_27:
(Start: 136 @19802 has 48 MA's), (Start: 156 @19826 has 559 MA's), (Start: 204 @19886 has 1 MA's), (254, 19955), (286, 20033), (Start: 303 @20057 has 11 MA's), (323, 20069), (325, 20072), (344, 20108), (367, 20147), (402, 20201), (449, 20294), (465, 20318), (508, 20405), (567, 20519), (581, 20558), (615, 20645), (644, 20690), (674, 20759), (683, 20783), (687, 20795), (731, 20882), (762, 20957), (767, 20975), (769, 20984), (775, 21008), (777, 21014), (782, 21029), (800, 21062), (820, 21107), (821, 21110), (828, 21131), (899, 21356), (933, 21434), (943, 21461), (945, 21467), (992, 21602),

Gene: KatherineG_30 Start: 19215, Stop: 21002, Start Num: 156
Candidate Starts for KatherineG_30:
(110, 19149), (Start: 136 @19191 has 48 MA's), (Start: 156 @19215 has 559 MA's), (Start: 260 @19353 has 1 MA's), (285, 19410), (325, 19452), (344, 19488), (367, 19527), (409, 19596), (421, 19620), (449, 19674), (536, 19824), (556, 19869), (567, 19899), (579, 19935), (600, 19986), (613, 20022), (644, 20070), (671, 20130), (730, 20259), (762, 20337), (835, 20538), (837, 20544), (867, 20640), (929, 20805), (971, 20904),

Gene: KayGee_18 Start: 15418, Stop: 17112, Start Num: 151
Candidate Starts for KayGee_18:
(Start: 141 @15415 has 37 MA's), (Start: 151 @15418 has 50 MA's), (235, 15517), (259, 15559), (400, 15799), (445, 15886), (456, 15907), (462, 15916), (477, 15943), (495, 15988), (525, 16021), (534, 16036), (541, 16060), (553, 16093), (567, 16126), (571, 16138), (594, 16195), (620, 16225), (635, 16243), (652, 16273), (666, 16303), (688, 16366), (707, 16417), (731, 16453), (736, 16468), (744, 16486), (767, 16543), (769, 16552), (832, 16672), (835, 16684), (862, 16732), (878, 16783), (879, 16786), (885, 16804), (914, 16882), (925, 16909), (945, 16951), (994, 17098), (998, 17104),

Gene: Kazan_31 Start: 19982, Stop: 21754, Start Num: 156
Candidate Starts for Kazan_31:
(110, 19916), (Start: 136 @19958 has 48 MA's), (Start: 156 @19982 has 559 MA's), (286, 20180), (325, 20219), (366, 20291), (367, 20294), (379, 20312), (402, 20348), (406, 20354), (465, 20465), (469, 20471), (484, 20510), (508, 20552), (536, 20591), (550, 20633), (556, 20636), (575, 20696), (684, 20933), (689, 20948), (731, 21029), (777, 21161), (835, 21287), (852, 21338), (855, 21347), (866, 21386), (867, 21389), (869, 21401), (899, 21485), (943, 21590), (945, 21596), (992, 21731),

Gene: Keelan_51 Start: 27923, Stop: 29611, Start Num: 143
Candidate Starts for Keelan_51:
(Start: 143 @27923 has 6 MA's), (238, 28037), (344, 28223), (377, 28277), (465, 28433), (524, 28535), (543, 28583), (567, 28640), (670, 28817), (690, 28874), (692, 28883), (730, 28946), (767, 29042), (769, 29051), (807, 29108), (835, 29183), (840, 29198), (878, 29282), (909, 29363), (911, 29366), (914, 29381), (945, 29450), (990, 29579),

Gene: Keitabear_35 Start: 32178, Stop: 33941, Start Num: 111
Candidate Starts for Keitabear_35:

(104, 32160), (Start: 111 @32178 has 74 MA's), (Start: 131 @32214 has 1 MA's), (238, 32352), (285, 32448), (289, 32457), (340, 32526), (367, 32577), (395, 32622), (406, 32637), (448, 32718), (475, 32763), (478, 32772), (535, 32862), (543, 32892), (550, 32907), (562, 32931), (571, 32961), (641, 33066), (689, 33183), (695, 33201), (699, 33216), (730, 33258), (731, 33261), (740, 33288), (875, 33600), (879, 33612), (880, 33615), (896, 33663), (909, 33690), (917, 33717), (943, 33771), (984, 33888), (1000, 33936),

Gene: Kenmech_30 Start: 22406, Stop: 24208, Start Num: 159
Candidate Starts for Kenmech_30:
(Start: 159 @22406 has 217 MA's), (Start: 176 @22427 has 45 MA's), (Start: 204 @22469 has 1 MA's), (237, 22514), (367, 22730), (395, 22775), (402, 22784), (421, 22823), (448, 22874), (449, 22877), (556, 23072), (581, 23141), (674, 23342), (675, 23345), (683, 23366), (730, 23462), (731, 23465), (733, 23471), (762, 23540), (767, 23558), (769, 23567), (777, 23597), (821, 23693), (831, 23726), (835, 23741), (879, 23882), (899, 23939), (945, 24050),

Gene: Kenna_19 Start: 16428, Stop: 18125, Start Num: 156
Candidate Starts for Kenna_19:
(122, 16389), (Start: 156 @16428 has 559 MA's), (Start: 169 @16440 has 3 MA's), (Start: 195 @16479 has 1 MA's), (223, 16518), (238, 16539), (266, 16587), (271, 16596), (286, 16638), (323, 16674), (346, 16731), (377, 16779), (393, 16806), (473, 16947), (495, 17004), (506, 17022), (522, 17031), (525, 17037), (557, 17115), (570, 17151), (572, 17157), (579, 17178), (581, 17181), (602, 17232), (636, 17259), (637, 17262), (654, 17289), (666, 17316), (691, 17388), (710, 17427), (743, 17481), (761, 17523), (783, 17598), (824, 17661), (832, 17688), (833, 17691), (837, 17706), (875, 17790), (878, 17799), (879, 17802), (881, 17808), (885, 17820), (887, 17823), (897, 17853), (900, 17859), (909, 17880), (911, 17883), (933, 17937), (945, 17967), (948, 17976), (970, 18027), (980, 18060), (984, 18072), (989, 18090),

Gene: Kenuha5_16 Start: 14929, Stop: 16638, Start Num: 142
Candidate Starts for Kenuha5_16:
(Start: 142 @14929 has 207 MA's), (215, 15016), (Start: 249 @15061 has 2 MA's), (258, 15085), (299, 15190), (301, 15196), (309, 15214), (332, 15244), (390, 15349), (422, 15409), (434, 15430), (437, 15439), (450, 15463), (475, 15505), (535, 15538), (539, 15550), (544, 15565), (546, 15571), (558, 15589), (564, 15604), (566, 15610), (580, 15646), (582, 15649), (589, 15661), (591, 15667), (593, 15676), (605, 15715), (611, 15727), (614, 15733), (648, 15793), (653, 15805), (666, 15841), (670, 15853), (700, 15928), (704, 15937), (713, 15955), (715, 15961), (730, 15991), (806, 16096), (810, 16105), (812, 16108), (825, 16144), (847, 16222), (885, 16342), (911, 16405), (919, 16435), (924, 16444), (928, 16450), (944, 16465), (945, 16468), (955, 16492), (968, 16522), (973, 16534), (992, 16606),

Gene: Kerberos_31 Start: 20049, Stop: 21839, Start Num: 156
Candidate Starts for Kerberos_31:
(110, 19983), (Start: 136 @20025 has 48 MA's), (Start: 156 @20049 has 559 MA's), (269, 20202), (323, 20283), (325, 20286), (366, 20358), (367, 20361), (376, 20376), (402, 20415), (406, 20421), (465, 20532), (475, 20550), (508, 20619), (550, 20700), (556, 20703), (615, 20859), (635, 20889), (731, 21096), (775, 21222), (821, 21324), (831, 21357), (835, 21372), (842, 21396), (866, 21471), (867, 21474), (869, 21486), (899, 21570), (933, 21648), (943, 21675), (945, 21681), (964, 21726), (968, 21735), (992, 21816),

Gene: Keshu_22 Start: 17579, Stop: 19342, Start Num: 178
Candidate Starts for Keshu_22:
(Start: 171 @17570 has 28 MA's), (Start: 178 @17579 has 139 MA's), (255, 17681), (277, 17738), (295, 17789), (311, 17819), (325, 17843), (436, 18074), (441, 18083), (448, 18095), (491, 18188), (492, 18191), (536, 18263), (539, 18272), (551, 18305), (557, 18311), (571, 18350), (587, 18386),

(647, 18476), (671, 18539), (707, 18626), (751, 18719), (774, 18794), (821, 18875), (835, 18923), (851, 18947), (863, 18974), (881, 19031), (896, 19076), (948, 19178), (962, 19205), (980, 19265), (983, 19274), (989, 19295), (993, 19313), (996, 19319), (1004, 19334),

Gene: Kevin1_18 Start: 14957, Stop: 16666, Start Num: 147
Candidate Starts for Kevin1_18:
(Start: 147 @14957 has 120 MA's), (Start: 171 @14984 has 28 MA's), (Start: 249 @15089 has 2 MA's), (252, 15101), (269, 15137), (290, 15188), (296, 15209), (299, 15218), (301, 15224), (317, 15245), (324, 15257), (419, 15431), (422, 15437), (432, 15455), (437, 15467), (438, 15470), (450, 15491), (535, 15566), (544, 15593), (558, 15617), (559, 15620), (564, 15632), (580, 15674), (589, 15689), (591, 15695), (593, 15704), (605, 15743), (625, 15797), (648, 15821), (670, 15881), (693, 15947), (700, 15956), (704, 15965), (727, 16016), (730, 16019), (806, 16124), (825, 16172), (844, 16238), (866, 16310), (919, 16463), (924, 16472), (944, 16493), (948, 16508), (955, 16520), (971, 16556), (973, 16562),

Gene: Kewpiedoll_34 Start: 30220, Stop: 31983, Start Num: 111
Candidate Starts for Kewpiedoll_34:
(104, 30202), (Start: 111 @30220 has 74 MA's), (Start: 131 @30256 has 1 MA's), (238, 30394), (285, 30490), (289, 30499), (340, 30568), (367, 30619), (395, 30664), (406, 30679), (448, 30760), (475, 30805), (478, 30814), (535, 30904), (543, 30934), (550, 30949), (562, 30973), (571, 31003), (641, 31108), (689, 31225), (695, 31243), (699, 31258), (723, 31288), (730, 31300), (731, 31303), (740, 31330), (879, 31654), (880, 31657), (896, 31705), (909, 31732), (917, 31759), (943, 31813), (952, 31840), (994, 31969),

Gene: Keziacharles14_28 Start: 19842, Stop: 21632, Start Num: 156
Candidate Starts for Keziacharles14_28:
(Start: 153 @19839 has 9 MA's), (Start: 156 @19842 has 559 MA's), (271, 19998), (325, 20079), (366, 20151), (367, 20154), (376, 20169), (402, 20208), (406, 20214), (430, 20265), (445, 20292), (448, 20298), (465, 20325), (469, 20331), (488, 20379), (508, 20412), (550, 20493), (556, 20496), (575, 20556), (635, 20682), (669, 20745), (712, 20859), (731, 20889), (737, 20907), (800, 21069), (821, 21117), (831, 21150), (835, 21165), (842, 21189), (866, 21264), (869, 21279), (899, 21363), (934, 21444), (943, 21468), (964, 21519), (983, 21576),

Gene: KiSi_22 Start: 16322, Stop: 18085, Start Num: 176
Candidate Starts for KiSi_22:
(Start: 146 @16286 has 1 MA's), (Start: 171 @16316 has 28 MA's), (Start: 176 @16322 has 45 MA's), (198, 16349), (Start: 219 @16376 has 2 MA's), (277, 16490), (295, 16541), (329, 16604), (371, 16706), (376, 16712), (417, 16784), (436, 16820), (441, 16829), (465, 16868), (485, 16916), (491, 16934), (509, 16973), (512, 16976), (527, 16991), (534, 17003), (536, 17009), (551, 17051), (557, 17057), (567, 17084), (647, 17222), (656, 17240), (662, 17252), (688, 17330), (724, 17402), (731, 17414), (751, 17462), (774, 17537), (821, 17621), (831, 17654), (833, 17660), (841, 17687), (879, 17771), (881, 17777), (896, 17822), (899, 17828), (948, 17921), (983, 18017), (1004, 18077),

Gene: KidneyBean_41 Start: 30603, Stop: 32216, Start Num: 202
Candidate Starts for KidneyBean_41:
(Start: 202 @30603 has 36 MA's), (Start: 231 @30639 has 1 MA's), (242, 30657), (277, 30717), (406, 30957), (410, 30969), (417, 30984), (458, 31050), (469, 31065), (481, 31089), (482, 31092), (519, 31176), (535, 31206), (536, 31209), (562, 31266), (576, 31314), (577, 31317), (590, 31338), (663, 31443), (686, 31488), (704, 31530), (773, 31704), (783, 31734), (785, 31740), (860, 31848), (861, 31851), (885, 31926), (980, 32145), (998, 32202),

Gene: Kiko_20 Start: 16705, Stop: 18399, Start Num: 167
Candidate Starts for Kiko_20:

(122, 16663), (Start: 131 @16675 has 1 MA's), (Start: 167 @16705 has 22 MA's), (266, 16858), (289, 16915), (Start: 303 @16933 has 11 MA's), (323, 16945), (333, 16966), (372, 17044), (435, 17152), (448, 17176), (462, 17200), (495, 17272), (535, 17323), (570, 17419), (581, 17449), (619, 17503), (622, 17509), (654, 17557), (703, 17683), (767, 17818), (768, 17824), (769, 17827), (801, 17893), (837, 17980), (879, 18076), (880, 18079), (885, 18094), (909, 18154), (949, 18253), (951, 18259), (984, 18346), (998, 18391),

Gene: KilKor_19 Start: 16273, Stop: 18009, Start Num: 137
Candidate Starts for KilKor_19:
(Start: 121 @16249 has 6 MA's), (Start: 137 @16273 has 45 MA's), (Start: 186 @16333 has 1 MA's), (198, 16354), (201, 16357), (274, 16477), (290, 16516), (300, 16549), (317, 16573), (382, 16693), (405, 16732), (407, 16738), (447, 16822), (450, 16828), (457, 16840), (473, 16864), (485, 16891), (538, 16909), (555, 16948), (558, 16954), (567, 16978), (591, 17032), (594, 17044), (597, 17053), (621, 17113), (658, 17191), (670, 17230), (682, 17263), (704, 17329), (715, 17353), (726, 17377), (740, 17407), (822, 17521), (827, 17533), (830, 17542), (832, 17551), (865, 17659), (892, 17743), (937, 17842), (983, 17950), (998, 17998),

Gene: Killigrew_25 Start: 20612, Stop: 22414, Start Num: 159
Candidate Starts for Killigrew_25:
(Start: 159 @20612 has 217 MA's), (Start: 176 @20633 has 45 MA's), (Start: 204 @20675 has 1 MA's), (237, 20720), (367, 20936), (395, 20981), (402, 20990), (448, 21080), (449, 21083), (556, 21278), (581, 21347), (674, 21548), (675, 21551), (683, 21572), (730, 21668), (731, 21671), (733, 21677), (762, 21746), (767, 21764), (769, 21773), (777, 21803), (821, 21899), (831, 21932), (835, 21947), (879, 22088), (899, 22145), (945, 22256), (1000, 22409),

Gene: Kimberlium_18 Start: 15928, Stop: 17637, Start Num: 142
Candidate Starts for Kimberlium_18:
(Start: 142 @15928 has 207 MA's), (215, 16015), (Start: 249 @16060 has 2 MA's), (258, 16084), (299, 16189), (301, 16195), (309, 16213), (332, 16243), (390, 16348), (394, 16354), (422, 16408), (425, 16417), (434, 16429), (437, 16438), (450, 16462), (539, 16549), (544, 16564), (558, 16588), (564, 16603), (566, 16609), (580, 16645), (582, 16648), (589, 16660), (591, 16666), (605, 16714), (611, 16726), (614, 16732), (648, 16792), (653, 16804), (666, 16840), (670, 16852), (677, 16873), (700, 16927), (704, 16936), (713, 16954), (715, 16960), (730, 16990), (806, 17095), (810, 17104), (812, 17107), (825, 17143), (844, 17209), (847, 17221), (878, 17320), (885, 17341), (896, 17374), (911, 17404), (919, 17434), (924, 17443), (928, 17449), (944, 17464), (945, 17467), (955, 17491), (968, 17521), (973, 17533), (980, 17563), (992, 17605),

Gene: Kimchi_26 Start: 19739, Stop: 21418, Start Num: 147
Candidate Starts for Kimchi_26:
(Start: 147 @19739 has 120 MA's), (Start: 212 @19823 has 47 MA's), (Start: 260 @19901 has 1 MA's), (296, 19988), (301, 20003), (332, 20051), (349, 20090), (405, 20177), (420, 20210), (437, 20246), (454, 20276), (457, 20282), (538, 20351), (561, 20381), (565, 20393), (566, 20396), (591, 20453), (650, 20585), (651, 20591), (675, 20657), (677, 20663), (686, 20687), (704, 20735), (715, 20759), (721, 20768), (754, 20843), (810, 20894), (819, 20909), (867, 21071), (875, 21098), (885, 21128), (926, 21233), (971, 21311), (980, 21347), (983, 21356), (992, 21389), (998, 21404),

Gene: Kimchi1738_31 Start: 27570, Stop: 29168, Start Num: 211
Candidate Starts for Kimchi1738_31:
(Start: 211 @27570 has 16 MA's), (280, 27669), (307, 27738), (331, 27777), (404, 27912), (433, 27972), (522, 28125), (529, 28137), (534, 28146), (535, 28149), (551, 28194), (562, 28209), (564, 28218), (567, 28227), (590, 28281), (596, 28299), (643, 28353), (747, 28569), (778, 28662), (849, 28770), (870, 28824), (895, 28899), (954, 29028), (997, 29154),

Gene: KimmyK_33 Start: 26575, Stop: 28341, Start Num: 111
Candidate Starts for KimmyK_33:
(93, 26533), (Start: 111 @26575 has 74 MA's), (Start: 131 @26611 has 1 MA's), (Start: 159 @26644 has 217 MA's), (287, 26854), (289, 26857), (323, 26887), (351, 26953), (367, 26977), (372, 26986), (393, 27019), (478, 27172), (495, 27211), (535, 27262), (539, 27274), (543, 27292), (548, 27304), (553, 27316), (562, 27331), (571, 27361), (572, 27364), (579, 27385), (636, 27457), (663, 27505), (699, 27616), (724, 27649), (740, 27688), (743, 27691), (769, 27763), (803, 27829), (809, 27841), (879, 28012), (880, 28015), (896, 28063), (909, 28090), (917, 28117), (943, 28171), (984, 28288), (990, 28309), (1000, 28336),

Gene: Kimona_24 Start: 17863, Stop: 19656, Start Num: 156
Candidate Starts for Kimona_24:
(Start: 156 @17863 has 559 MA's), (Start: 181 @17884 has 15 MA's), (254, 17986), (255, 17989), (Start: 260 @18004 has 1 MA's), (323, 18100), (325, 18103), (367, 18178), (376, 18193), (402, 18232), (448, 18322), (475, 18367), (508, 18436), (556, 18520), (567, 18550), (575, 18580), (579, 18586), (590, 18604), (615, 18676), (644, 18721), (674, 18790), (683, 18814), (687, 18826), (689, 18832), (731, 18913), (767, 19006), (769, 19015), (777, 19045), (782, 19060), (820, 19138), (821, 19141), (828, 19162), (877, 19324), (899, 19387), (942, 19489), (945, 19498), (980, 19591), (985, 19609), (1000, 19651),

Gene: Kinbote_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Kinbote_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: KingCyrus_30 Start: 20600, Stop: 22372, Start Num: 156
Candidate Starts for KingCyrus_30:
(Start: 136 @20576 has 48 MA's), (Start: 156 @20600 has 559 MA's), (238, 20699), (281, 20783), (323, 20834), (325, 20837), (366, 20909), (367, 20912), (402, 20966), (421, 21005), (445, 21050), (465, 21083), (508, 21170), (550, 21251), (556, 21254), (675, 21527), (723, 21632), (731, 21647), (775, 21773), (777, 21779), (808, 21827), (813, 21836), (821, 21857), (831, 21890), (835, 21905), (837, 21911), (855, 21965), (866, 22004), (869, 22019), (899, 22103), (945, 22214),

Gene: KingJulian_16 Start: 14843, Stop: 16552, Start Num: 142
Candidate Starts for KingJulian_16:
(Start: 142 @14843 has 207 MA's), (215, 14930), (Start: 249 @14975 has 2 MA's), (258, 14999), (299, 15104), (301, 15110), (309, 15128), (332, 15158), (390, 15263), (422, 15323), (434, 15344), (437, 15353), (447, 15371), (450, 15377), (558, 15503), (564, 15518), (566, 15524), (580, 15560), (582, 15563), (589, 15575), (591, 15581), (605, 15629), (611, 15641), (614, 15647), (648, 15707), (653, 15719), (666, 15755), (670, 15767), (700, 15842), (704, 15851), (713, 15869), (715, 15875), (730, 15905), (806, 16010), (810, 16019), (812, 16022), (825, 16058), (847, 16136), (878, 16235), (885, 16256), (896, 16289), (911, 16319), (919, 16349), (924, 16358), (928, 16364), (944, 16379), (945, 16382), (955, 16406), (968, 16436), (973, 16448), (980, 16478), (992, 16520),

Gene: KingMidas_17 Start: 16108, Stop: 17817, Start Num: 142
Candidate Starts for KingMidas_17:

(Start: 142 @16108 has 207 MA's), (215, 16195), (Start: 249 @16240 has 2 MA's), (258, 16264), (299, 16369), (301, 16375), (309, 16393), (332, 16423), (390, 16528), (422, 16588), (425, 16597), (437, 16618), (450, 16642), (473, 16678), (475, 16684), (535, 16717), (536, 16720), (539, 16729), (544, 16744), (546, 16750), (558, 16768), (564, 16783), (566, 16789), (572, 16807), (573, 16810), (580, 16825), (582, 16828), (589, 16840), (591, 16846), (605, 16894), (611, 16906), (614, 16912), (648, 16972), (653, 16984), (666, 17020), (670, 17032), (700, 17107), (704, 17116), (713, 17134), (715, 17140), (730, 17170), (806, 17275), (810, 17284), (812, 17287), (825, 17323), (847, 17401), (878, 17500), (885, 17521), (896, 17554), (911, 17584), (913, 17596), (919, 17614), (922, 17620), (924, 17623), (928, 17629), (944, 17644), (945, 17647), (953, 17668), (955, 17671), (973, 17713), (992, 17785), (993, 17791),

Gene: KingPhillip3_55 Start: 33490, Stop: 35226, Start Num: 126
Candidate Starts for KingPhillip3_55:
(Start: 120 @33481 has 2 MA's), (Start: 126 @33490 has 26 MA's), (Start: 195 @33580 has 1 MA's), (266, 33697), (282, 33733), (291, 33754), (299, 33781), (301, 33787), (322, 33817), (336, 33841), (363, 33892), (437, 34030), (440, 34036), (472, 34087), (473, 34090), (482, 34108), (558, 34159), (566, 34180), (567, 34183), (589, 34231), (591, 34237), (605, 34285), (607, 34291), (611, 34297), (632, 34357), (648, 34381), (650, 34384), (666, 34429), (671, 34444), (674, 34453), (677, 34462), (693, 34507), (704, 34525), (721, 34558), (812, 34696), (820, 34717), (840, 34783), (848, 34813), (865, 34867), (878, 34909), (885, 34930), (892, 34951), (896, 34963), (907, 34984), (928, 35038), (971, 35116), (980, 35152), (986, 35173), (993, 35200),

Gene: Kingmustik0402_27 Start: 19819, Stop: 21597, Start Num: 156
Candidate Starts for Kingmustik0402_27:
(Start: 136 @19795 has 48 MA's), (Start: 156 @19819 has 559 MA's), (Start: 204 @19876 has 1 MA's), (241, 19930), (254, 19945), (Start: 260 @19963 has 1 MA's), (Start: 303 @20047 has 11 MA's), (323, 20059), (325, 20062), (367, 20137), (376, 20152), (402, 20191), (465, 20308), (508, 20395), (550, 20476), (572, 20524), (581, 20548), (615, 20635), (644, 20680), (675, 20752), (683, 20773), (689, 20791), (731, 20872), (767, 20965), (769, 20974), (775, 20998), (777, 21004), (784, 21028), (821, 21082), (828, 21103), (842, 21154), (850, 21178), (867, 21232), (899, 21328), (943, 21433), (948, 21448), (987, 21556), (992, 21574),

Gene: Kingsley_17 Start: 14662, Stop: 16371, Start Num: 142
Candidate Starts for Kingsley_17:
(Start: 142 @14662 has 207 MA's), (215, 14749), (Start: 249 @14794 has 2 MA's), (258, 14818), (299, 14923), (301, 14929), (309, 14947), (332, 14977), (390, 15082), (422, 15142), (434, 15163), (437, 15172), (450, 15196), (558, 15322), (564, 15337), (566, 15343), (580, 15379), (582, 15382), (589, 15394), (591, 15400), (605, 15448), (611, 15460), (614, 15466), (648, 15526), (653, 15538), (666, 15574), (670, 15586), (700, 15661), (704, 15670), (713, 15688), (715, 15694), (730, 15724), (806, 15829), (810, 15838), (812, 15841), (825, 15877), (847, 15955), (878, 16054), (885, 16075), (896, 16108), (911, 16138), (919, 16168), (924, 16177), (928, 16183), (944, 16198), (945, 16201), (955, 16225), (968, 16255), (973, 16267), (980, 16297), (992, 16339),

Gene: Kingsolomon_19 Start: 17373, Stop: 19136, Start Num: 136
Candidate Starts for Kingsolomon_19:
(Start: 136 @17373 has 48 MA's), (Start: 161 @17400 has 14 MA's), (207, 17463), (241, 17511), (246, 17517), (269, 17553), (296, 17628), (Start: 303 @17652 has 11 MA's), (318, 17658), (346, 17715), (414, 17829), (419, 17841), (478, 17952), (556, 18096), (562, 18108), (572, 18141), (674, 18330), (676, 18336), (695, 18393), (716, 18435), (724, 18444), (731, 18456), (762, 18531), (782, 18600), (785, 18612), (826, 18660), (858, 18726), (881, 18804), (896, 18849), (919, 18906), (951, 18969), (963, 19005), (969, 19020), (977, 19050), (979, 19056), (983, 19068), (985, 19077), (989, 19089),

Gene: Kinmap_29 Start: 19779, Stop: 21569, Start Num: 156

Candidate Starts for Kinmap_29:
(Start: 156 @19779 has 559 MA's), (323, 20013), (325, 20016), (366, 20088), (367, 20091), (402, 20145), (508, 20349), (550, 20430), (581, 20502), (615, 20589), (675, 20706), (687, 20739), (731, 20826), (819, 21042), (821, 21054), (835, 21102), (866, 21201), (899, 21300), (933, 21378), (945, 21411), (951, 21429), (968, 21465), (992, 21546),

Gene: Kipper29_31 Start: 19976, Stop: 21748, Start Num: 156
Candidate Starts for Kipper29_31:
(110, 19910), (Start: 136 @19952 has 48 MA's), (Start: 156 @19976 has 559 MA's), (286, 20174), (325, 20213), (366, 20285), (367, 20288), (379, 20306), (402, 20342), (406, 20348), (465, 20459), (469, 20465), (484, 20504), (508, 20546), (536, 20585), (550, 20627), (556, 20630), (575, 20690), (684, 20927), (689, 20942), (731, 21023), (777, 21155), (835, 21281), (852, 21332), (855, 21341), (866, 21380), (867, 21383), (869, 21395), (899, 21479), (943, 21584), (945, 21590), (992, 21725),

Gene: KirDoubleO7_17 Start: 17382, Stop: 19145, Start Num: 136
Candidate Starts for KirDoubleO7_17:
(Start: 136 @17382 has 48 MA's), (Start: 161 @17409 has 14 MA's), (207, 17472), (241, 17520), (246, 17526), (269, 17562), (296, 17637), (346, 17724), (414, 17838), (419, 17850), (478, 17961), (556, 18105), (562, 18117), (567, 18135), (572, 18150), (674, 18339), (695, 18402), (712, 18435), (716, 18444), (724, 18453), (731, 18465), (762, 18540), (782, 18609), (785, 18621), (826, 18669), (858, 18735), (881, 18813), (888, 18831), (896, 18858), (915, 18903), (919, 18915), (951, 18978), (963, 19014), (969, 19029), (977, 19059), (979, 19065), (983, 19077), (985, 19086), (989, 19098),

Gene: Kita_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Kita_19:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: KittenMittens_26 Start: 17889, Stop: 19667, Start Num: 156
Candidate Starts for KittenMittens_26:
(Start: 136 @17865 has 48 MA's), (Start: 156 @17889 has 559 MA's), (Start: 204 @17946 has 1 MA's), (215, 17961), (254, 18015), (323, 18129), (325, 18132), (367, 18207), (391, 18246), (465, 18378), (508, 18465), (546, 18540), (567, 18579), (581, 18618), (615, 18705), (644, 18750), (674, 18819), (683, 18843), (687, 18855), (689, 18861), (767, 19035), (769, 19044), (775, 19068), (777, 19074), (782, 19089), (808, 19122), (828, 19173), (844, 19230), (845, 19236), (899, 19398), (943, 19503), (945, 19509), (948, 19518), (992, 19644),

Gene: Klein_37 Start: 26895, Stop: 28893, Start Num: 141
Candidate Starts for Klein_37:
(Start: 141 @26895 has 37 MA's), (Start: 212 @26985 has 47 MA's), (245, 27033), (258, 27063), (272, 27090), (317, 27192), (334, 27222), (385, 27321), (407, 27357), (409, 27363), (420, 27384), (457, 27456), (464, 27465), (475, 27486), (566, 27594), (567, 27597), (572, 27612), (591, 27651), (605, 27699), (611, 27711), (614, 27717), (630, 27765), (635, 27774), (650, 27795), (658, 27813), (673, 27861), (713, 27963), (746, 28035), (766, 28080), (768, 28092), (795, 28227), (796, 28233), (797, 28257), (798, 28329), (804, 28356), (886, 28605),

Gene: KleverKiS_28 Start: 22309, Stop: 24087, Start Num: 119
Candidate Starts for KleverKiS_28:
(69, 22129), (Start: 119 @22309 has 3 MA's), (Start: 128 @22324 has 2 MA's), (Start: 161 @22351 has 14 MA's), (Start: 176 @22366 has 45 MA's), (201, 22405), (223, 22435), (Start: 227 @22441 has

45 MA's), (237, 22453), (291, 22558), (295, 22573), (323, 22612), (389, 22735), (395, 22744), (445, 22840), (471, 22882), (473, 22885), (562, 23062), (610, 23173), (636, 23200), (669, 23272), (670, 23281), (671, 23284), (675, 23296), (730, 23416), (731, 23419), (746, 23461), (761, 23491), (764, 23497), (824, 23617), (826, 23623), (969, 23977), (977, 24004), (983, 24022), (985, 24031),

Gene: Koan_26 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Koan_26:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Koduck_28 Start: 19329, Stop: 21119, Start Num: 156
Candidate Starts for Koduck_28:
(110, 19263), (Start: 136 @19305 has 48 MA's), (Start: 156 @19329 has 559 MA's), (206, 19383), (269, 19482), (286, 19527), (323, 19563), (325, 19566), (366, 19638), (367, 19641), (402, 19695), (406, 19701), (445, 19779), (465, 19812), (469, 19818), (484, 19857), (508, 19899), (550, 19980), (556, 19983), (635, 20169), (674, 20253), (689, 20295), (712, 20346), (731, 20376), (775, 20502), (824, 20613), (825, 20616), (831, 20637), (835, 20652), (842, 20676), (866, 20751), (869, 20766), (899, 20850), (943, 20955), (945, 20961), (951, 20979), (964, 21006), (968, 21015),

Gene: Koella_16 Start: 14774, Stop: 16483, Start Num: 142
Candidate Starts for Koella_16:
(Start: 142 @14774 has 207 MA's), (215, 14861), (Start: 249 @14906 has 2 MA's), (258, 14930), (299, 15035), (301, 15041), (309, 15059), (332, 15089), (390, 15194), (422, 15254), (434, 15275), (437, 15284), (450, 15308), (558, 15434), (564, 15449), (566, 15455), (580, 15491), (582, 15494), (589, 15506), (591, 15512), (605, 15560), (611, 15572), (614, 15578), (648, 15638), (653, 15650), (666, 15686), (670, 15698), (700, 15773), (704, 15782), (713, 15800), (715, 15806), (730, 15836), (806, 15941), (810, 15950), (812, 15953), (825, 15989), (847, 16067), (878, 16166), (885, 16187), (896, 16220), (911, 16250), (919, 16280), (924, 16289), (928, 16295), (944, 16310), (945, 16313), (955, 16337), (968, 16367), (973, 16379), (980, 16409), (992, 16451),

Gene: Koko_31 Start: 20314, Stop: 22086, Start Num: 156
Candidate Starts for Koko_31:
(110, 20248), (Start: 136 @20290 has 48 MA's), (Start: 156 @20314 has 559 MA's), (325, 20551), (366, 20623), (367, 20626), (376, 20641), (402, 20680), (406, 20686), (465, 20797), (469, 20803), (484, 20842), (508, 20884), (536, 20923), (550, 20965), (556, 20968), (615, 21124), (684, 21265), (689, 21280), (777, 21493), (828, 21592), (835, 21619), (852, 21670), (855, 21679), (866, 21718), (869, 21733), (899, 21817), (943, 21922), (945, 21928), (992, 22063),

Gene: Koreni_26 Start: 19473, Stop: 21251, Start Num: 156
Candidate Starts for Koreni_26:
(Start: 136 @19449 has 48 MA's), (Start: 156 @19473 has 559 MA's), (Start: 204 @19530 has 1 MA's), (241, 19584), (254, 19599), (Start: 260 @19617 has 1 MA's), (Start: 303 @19701 has 11 MA's), (323, 19713), (325, 19716), (367, 19791), (376, 19806), (402, 19845), (465, 19962), (508, 20049), (550, 20130), (572, 20178), (581, 20202), (615, 20289), (644, 20334), (675, 20406), (683, 20427), (689, 20445), (731, 20526), (767, 20619), (769, 20628), (775, 20652), (777, 20658), (784, 20682), (821, 20736), (828, 20757), (842, 20808), (850, 20832), (867, 20886), (899, 20982), (943, 21087), (948, 21102), (987, 21210), (992, 21228),

Gene: Kostya_24 Start: 19745, Stop: 21424, Start Num: 147
Candidate Starts for Kostya_24:
(Start: 147 @19745 has 120 MA's), (Start: 212 @19829 has 47 MA's), (Start: 260 @19907 has 1 MA's), (296, 19994), (301, 20009), (332, 20057), (349, 20096), (405, 20183), (420, 20216), (437, 20252), (454, 20282), (457, 20288), (538, 20357), (561, 20387), (565, 20399), (566, 20402), (591, 20459), (650, 20591), (651, 20597), (675, 20663), (677, 20669), (686, 20693), (704, 20741), (715, 20765), (721, 20774), (754, 20849), (810, 20900), (819, 20915), (867, 21077), (875, 21104), (885, 21134), (926, 21239), (971, 21317), (980, 21353), (983, 21362), (992, 21395), (998, 21410),

Gene: Krakatau_17 Start: 15504, Stop: 17213, Start Num: 142
Candidate Starts for Krakatau_17:
(Start: 142 @15504 has 207 MA's), (215, 15591), (Start: 249 @15636 has 2 MA's), (258, 15660), (299, 15765), (301, 15771), (309, 15789), (332, 15819), (390, 15924), (422, 15984), (434, 16005), (437, 16014), (450, 16038), (558, 16164), (564, 16179), (566, 16185), (580, 16221), (582, 16224), (589, 16236), (591, 16242), (605, 16290), (611, 16302), (614, 16308), (648, 16368), (653, 16380), (666, 16416), (670, 16428), (700, 16503), (704, 16512), (713, 16530), (715, 16536), (730, 16566), (806, 16671), (810, 16680), (812, 16683), (825, 16719), (847, 16797), (878, 16896), (885, 16917), (896, 16950), (911, 16980), (919, 17010), (924, 17019), (928, 17025), (944, 17040), (945, 17043), (955, 17067), (968, 17097), (973, 17109), (980, 17139), (992, 17181),

Gene: Kratark_27 Start: 19822, Stop: 21600, Start Num: 156
Candidate Starts for Kratark_27:
(Start: 136 @19798 has 48 MA's), (Start: 156 @19822 has 559 MA's), (Start: 204 @19879 has 1 MA's), (241, 19933), (254, 19948), (Start: 260 @19966 has 1 MA's), (Start: 303 @20050 has 11 MA's), (323, 20062), (325, 20065), (367, 20140), (376, 20155), (402, 20194), (465, 20311), (508, 20398), (550, 20479), (572, 20527), (581, 20551), (615, 20638), (644, 20683), (675, 20755), (683, 20776), (689, 20794), (731, 20875), (767, 20968), (769, 20977), (775, 21001), (777, 21007), (784, 21031), (821, 21085), (828, 21106), (842, 21157), (850, 21181), (899, 21331), (943, 21436), (948, 21451), (987, 21559), (992, 21577),

Gene: Kratio_20 Start: 17226, Stop: 18998, Start Num: 181
Candidate Starts for Kratio_20:
(Start: 181 @17226 has 15 MA's), (Start: 186 @17232 has 1 MA's), (201, 17256), (228, 17289), (256, 17337), (277, 17391), (295, 17442), (329, 17505), (376, 17613), (436, 17721), (491, 17835), (492, 17838), (512, 17877), (527, 17892), (534, 17904), (536, 17910), (547, 17946), (551, 17952), (557, 17958), (571, 17997), (579, 18021), (647, 18123), (671, 18186), (751, 18366), (782, 18465), (824, 18543), (831, 18567), (833, 18573), (851, 18606), (879, 18684), (881, 18690), (951, 18843), (988, 18948), (989, 18951), (993, 18969),

Gene: Kraw_25 Start: 18546, Stop: 20333, Start Num: 178
Candidate Starts for Kraw_25:
(Start: 146 @18507 has 1 MA's), (Start: 171 @18537 has 28 MA's), (Start: 176 @18543 has 45 MA's), (Start: 178 @18546 has 139 MA's), (Start: 196 @18561 has 2 MA's), (228, 18603), (256, 18651), (272, 18690), (277, 18705), (284, 18723), (295, 18756), (311, 18786), (335, 18831), (342, 18849), (371, 18921), (376, 18927), (395, 18957), (397, 18960), (430, 19023), (436, 19035), (498, 19170), (509, 19188), (534, 19218), (536, 19224), (541, 19242), (557, 19272), (571, 19311), (647, 19437), (671, 19500), (751, 19701), (769, 19755), (782, 19800), (808, 19845), (821, 19869), (831, 19902), (841, 19935), (875, 20007), (879, 20019), (896, 20070), (899, 20076), (951, 20178), (993, 20304), (1004, 20325),

Gene: Kremtemulon_27 Start: 19875, Stop: 21653, Start Num: 156
Candidate Starts for Kremtemulon_27:

(Start: 136 @19851 has 48 MA's), (Start: 156 @19875 has 559 MA's), (Start: 204 @19932 has 1 MA's), (241, 19986), (254, 20001), (Start: 260 @20019 has 1 MA's), (Start: 303 @20103 has 11 MA's), (323, 20115), (325, 20118), (367, 20193), (376, 20208), (402, 20247), (465, 20364), (508, 20451), (550, 20532), (572, 20580), (581, 20604), (615, 20691), (644, 20736), (675, 20808), (683, 20829), (689, 20847), (731, 20928), (767, 21021), (769, 21030), (775, 21054), (777, 21060), (784, 21084), (821, 21138), (828, 21159), (842, 21210), (850, 21234), (867, 21288), (899, 21384), (943, 21489), (948, 21504), (987, 21612), (992, 21630),

Gene: Krili_55 Start: 32985, Stop: 34721, Start Num: 126
Candidate Starts for Krili_55:
(Start: 120 @32976 has 2 MA's), (Start: 126 @32985 has 26 MA's), (Start: 195 @33075 has 1 MA's), (266, 33192), (282, 33228), (291, 33249), (299, 33276), (301, 33282), (322, 33312), (336, 33336), (363, 33387), (437, 33525), (440, 33531), (472, 33582), (473, 33585), (482, 33603), (558, 33654), (566, 33675), (567, 33678), (589, 33726), (591, 33732), (605, 33780), (607, 33786), (611, 33792), (632, 33852), (648, 33876), (650, 33879), (666, 33924), (671, 33939), (674, 33948), (677, 33957), (693, 34002), (704, 34020), (721, 34053), (812, 34191), (820, 34212), (840, 34278), (848, 34308), (865, 34362), (878, 34404), (885, 34425), (892, 34446), (896, 34458), (907, 34479), (928, 34533), (971, 34611), (980, 34647), (986, 34668), (993, 34695),

Gene: Krishelle_23 Start: 16620, Stop: 18245, Start Num: 182
Candidate Starts for Krishelle_23:
(Start: 171 @16605 has 28 MA's), (Start: 182 @16620 has 32 MA's), (Start: 212 @16662 has 47 MA's), (232, 16689), (256, 16725), (342, 16866), (367, 16911), (439, 17040), (465, 17082), (475, 17100), (478, 17109), (486, 17133), (495, 17151), (525, 17181), (534, 17196), (535, 17199), (546, 17238), (556, 17247), (590, 17331), (635, 17385), (644, 17400), (669, 17448), (675, 17472), (730, 17586), (762, 17664), (772, 17703), (775, 17715), (778, 17724), (808, 17745), (835, 17823), (894, 17970), (938, 18069), (943, 18084), (998, 18237),

Gene: KristaRAM_17 Start: 15479, Stop: 17188, Start Num: 142
Candidate Starts for KristaRAM_17:
(Start: 142 @15479 has 207 MA's), (215, 15566), (Start: 249 @15611 has 2 MA's), (258, 15635), (299, 15740), (301, 15746), (309, 15764), (332, 15794), (390, 15899), (422, 15959), (434, 15980), (437, 15989), (450, 16013), (558, 16139), (564, 16154), (566, 16160), (580, 16196), (582, 16199), (589, 16211), (591, 16217), (605, 16265), (611, 16277), (614, 16283), (648, 16343), (653, 16355), (666, 16391), (670, 16403), (700, 16478), (704, 16487), (713, 16505), (715, 16511), (730, 16541), (806, 16646), (810, 16655), (812, 16658), (825, 16694), (847, 16772), (878, 16871), (885, 16892), (896, 16925), (911, 16955), (919, 16985), (924, 16994), (928, 17000), (944, 17015), (945, 17018), (955, 17042), (968, 17072), (973, 17084), (980, 17114), (992, 17156),

Gene: Kristoff_28 Start: 19986, Stop: 21764, Start Num: 156
Candidate Starts for Kristoff_28:
(Start: 156 @19986 has 559 MA's), (Start: 204 @20043 has 1 MA's), (215, 20058), (238, 20091), (254, 20112), (Start: 303 @20214 has 11 MA's), (323, 20226), (325, 20229), (367, 20304), (376, 20319), (402, 20358), (465, 20475), (475, 20493), (508, 20562), (546, 20637), (567, 20676), (581, 20715), (615, 20802), (644, 20847), (669, 20895), (674, 20916), (683, 20940), (687, 20952), (689, 20958), (731, 21039), (767, 21132), (769, 21141), (775, 21165), (777, 21171), (782, 21186), (808, 21219), (828, 21270), (833, 21288), (879, 21438), (899, 21495), (911, 21519), (912, 21525), (943, 21600), (945, 21606), (948, 21615), (971, 21666), (992, 21741),

Gene: Kroos_35 Start: 30392, Stop: 32155, Start Num: 111
Candidate Starts for Kroos_35:
(Start: 111 @30392 has 74 MA's), (Start: 131 @30428 has 1 MA's), (232, 30557), (238, 30566), (255, 30590), (285, 30662), (289, 30671), (340, 30740), (367, 30791), (395, 30836), (406, 30851), (414,

30869), (448, 30932), (475, 30977), (478, 30986), (543, 31106), (550, 31121), (553, 31130), (562, 31145), (571, 31175), (689, 31397), (695, 31415), (699, 31430), (730, 31472), (731, 31475), (740, 31502), (785, 31622), (833, 31715), (879, 31826), (880, 31829), (896, 31877), (909, 31904), (917, 31931), (943, 31985),

Gene: Kropertea_18 Start: 16595, Stop: 18358, Start Num: 136
Candidate Starts for Kropertea_18:
(Start: 136 @16595 has 48 MA's), (246, 16736), (266, 16766), (295, 16844), (296, 16847), (412, 17045), (414, 17048), (419, 17060), (430, 17081), (484, 17189), (501, 17219), (562, 17327), (564, 17336), (575, 17375), (588, 17396), (674, 17552), (695, 17615), (716, 17657), (724, 17666), (731, 17678), (764, 17756), (826, 17882), (829, 17891), (835, 17915), (878, 18017), (881, 18026), (888, 18044), (896, 18071), (919, 18128), (951, 18191), (963, 18227), (969, 18242), (977, 18272), (985, 18299), (989, 18311), (994, 18332),

Gene: Krueger_22 Start: 16300, Stop: 18075, Start Num: 171
Candidate Starts for Krueger_22:
(Start: 171 @16300 has 28 MA's), (Start: 178 @16309 has 139 MA's), (198, 16339), (272, 16465), (277, 16480), (295, 16531), (311, 16561), (335, 16606), (371, 16696), (395, 16732), (441, 16819), (488, 16912), (491, 16924), (492, 16927), (534, 16993), (536, 16999), (551, 17041), (557, 17047), (611, 17173), (656, 17230), (702, 17347), (724, 17392), (731, 17404), (751, 17452), (774, 17527), (782, 17551), (832, 17647), (879, 17761), (896, 17812), (899, 17818), (948, 17911), (993, 18046), (994, 18049), (1004, 18067),

Gene: Krypton555_19 Start: 17311, Stop: 19074, Start Num: 136
Candidate Starts for Krypton555_19:
(Start: 136 @17311 has 48 MA's), (Start: 161 @17338 has 14 MA's), (207, 17401), (246, 17455), (269, 17491), (296, 17566), (Start: 303 @17590 has 11 MA's), (318, 17596), (346, 17653), (414, 17767), (419, 17779), (478, 17890), (556, 18034), (562, 18046), (674, 18268), (676, 18274), (695, 18331), (716, 18373), (724, 18382), (731, 18394), (762, 18469), (781, 18535), (785, 18550), (826, 18598), (858, 18664), (881, 18742), (896, 18787), (919, 18844), (951, 18907), (963, 18943), (969, 18958), (977, 18988), (979, 18994), (983, 19006), (985, 19015), (989, 19027),

Gene: Ksquared_19 Start: 16407, Stop: 18143, Start Num: 137
Candidate Starts for Ksquared_19:
(Start: 121 @16383 has 6 MA's), (Start: 137 @16407 has 45 MA's), (Start: 186 @16467 has 1 MA's), (198, 16488), (201, 16491), (274, 16611), (290, 16650), (300, 16683), (317, 16707), (382, 16827), (405, 16866), (407, 16872), (447, 16956), (450, 16962), (457, 16974), (473, 16998), (485, 17025), (538, 17043), (555, 17082), (558, 17088), (567, 17112), (591, 17166), (594, 17178), (597, 17187), (621, 17247), (658, 17325), (670, 17364), (682, 17397), (704, 17463), (711, 17478), (715, 17487), (726, 17511), (740, 17541), (746, 17553), (822, 17655), (827, 17667), (828, 17670), (830, 17676), (832, 17685), (865, 17793), (892, 17877), (937, 17976), (983, 18084), (998, 18132),

Gene: Kudefre_27 Start: 21780, Stop: 23531, Start Num: 167
Candidate Starts for Kudefre_27:
(108, 21702), (Start: 149 @21765 has 1 MA's), (Start: 167 @21780 has 22 MA's), (184, 21804), (223, 21861), (241, 21888), (Start: 260 @21915 has 1 MA's), (270, 21933), (274, 21942), (275, 21945), (296, 22005), (342, 22080), (350, 22101), (366, 22140), (417, 22230), (430, 22254), (445, 22284), (477, 22341), (485, 22365), (542, 22458), (546, 22473), (552, 22482), (562, 22497), (564, 22506), (572, 22530), (579, 22551), (602, 22605), (622, 22623), (668, 22704), (670, 22716), (678, 22740), (731, 22854), (771, 22962), (778, 22986), (808, 23013), (826, 23058), (833, 23082), (860, 23133), (875, 23181), (881, 23199), (899, 23250), (914, 23286), (943, 23337), (945, 23343), (954, 23367), (964, 23406), (971, 23421), (977, 23448), (986, 23478), (990, 23490), (1002, 23520),

Gene: Kugel_28 Start: 21273, Stop: 23075, Start Num: 159
Candidate Starts for Kugel_28:
(Start: 159 @21273 has 217 MA's), (Start: 176 @21294 has 45 MA's), (Start: 204 @21336 has 1 MA's), (237, 21381), (367, 21597), (395, 21642), (402, 21651), (421, 21690), (448, 21741), (449, 21744), (556, 21939), (581, 22008), (674, 22209), (675, 22212), (683, 22233), (730, 22329), (731, 22332), (733, 22338), (762, 22407), (767, 22425), (769, 22434), (777, 22464), (821, 22560), (831, 22593), (835, 22608), (879, 22749), (899, 22806), (945, 22917),

Gene: Kumao_28 Start: 21466, Stop: 23190, Start Num: 158
Candidate Starts for Kumao_28:
(Start: 119 @21427 has 3 MA's), (Start: 158 @21466 has 1 MA's), (237, 21556), (323, 21718), (342, 21757), (343, 21760), (379, 21823), (395, 21850), (445, 21946), (471, 21988), (508, 22066), (536, 22108), (562, 22168), (567, 22186), (610, 22279), (670, 22384), (671, 22387), (674, 22396), (689, 22438), (731, 22522), (826, 22726), (830, 22738), (872, 22843), (909, 22942), (919, 22975), (945, 23014), (947, 23020), (964, 23068), (977, 23107), (979, 23113), (1002, 23179),

Gene: Kurt_41 Start: 30840, Stop: 32453, Start Num: 202
Candidate Starts for Kurt_41:
(Start: 202 @30840 has 36 MA's), (Start: 231 @30876 has 1 MA's), (242, 30894), (277, 30954), (406, 31194), (410, 31206), (417, 31221), (458, 31287), (469, 31302), (481, 31326), (482, 31329), (519, 31413), (535, 31443), (536, 31446), (562, 31503), (576, 31551), (577, 31554), (590, 31575), (663, 31680), (686, 31725), (704, 31767), (773, 31941), (783, 31971), (785, 31977), (860, 32085), (861, 32088), (885, 32163), (980, 32382), (998, 32439),

Gene: Kuwabara_19 Start: 15987, Stop: 17696, Start Num: 157
Candidate Starts for Kuwabara_19:
(Start: 157 @15987 has 24 MA's), (170, 15999), (172, 16002), (346, 16299), (379, 16350), (383, 16359), (395, 16377), (417, 16419), (421, 16425), (435, 16455), (445, 16473), (475, 16524), (477, 16530), (488, 16560), (523, 16602), (535, 16623), (537, 16629), (543, 16653), (567, 16704), (568, 16707), (577, 16737), (670, 16887), (683, 16923), (740, 17049), (767, 17115), (826, 17238), (832, 17259), (835, 17271), (837, 17277), (840, 17286), (841, 17289), (868, 17343), (879, 17373), (904, 17442), (943, 17529), (945, 17535), (967, 17586), (980, 17631), (992, 17673), (1000, 17691),

Gene: Kwekel_32 Start: 27487, Stop: 29106, Start Num: 185
Candidate Starts for Kwekel_32:
(Start: 185 @27487 has 10 MA's), (Start: 190 @27493 has 1 MA's), (201, 27508), (247, 27571), (296, 27694), (300, 27706), (332, 27763), (373, 27841), (438, 27964), (567, 28078), (578, 28108), (596, 28150), (621, 28213), (648, 28261), (651, 28270), (674, 28333), (688, 28369), (761, 28534), (762, 28537), (806, 28564), (826, 28615), (842, 28672), (843, 28675), (856, 28711), (858, 28720), (873, 28777), (875, 28783), (877, 28789), (893, 28837), (896, 28846), (899, 28852), (901, 28855), (915, 28894), (919, 28906), (948, 28951), (974, 29020), (989, 29068), (992, 29080), (998, 29095),

Gene: Kwobi_35 Start: 30378, Stop: 32141, Start Num: 111
Candidate Starts for Kwobi_35:
(Start: 111 @30378 has 74 MA's), (Start: 131 @30414 has 1 MA's), (232, 30543), (238, 30552), (255, 30576), (285, 30648), (289, 30657), (340, 30726), (367, 30777), (395, 30822), (406, 30837), (414, 30855), (448, 30918), (475, 30963), (478, 30972), (543, 31092), (550, 31107), (553, 31116), (562, 31131), (571, 31161), (689, 31383), (695, 31401), (699, 31416), (730, 31458), (731, 31461), (740, 31488), (785, 31608), (833, 31701), (879, 31812), (880, 31815), (896, 31863), (909, 31890), (917, 31917), (943, 31971),

Gene: KyMonks1A_29 Start: 21439, Stop: 23241, Start Num: 159
Candidate Starts for KyMonks1A_29:

(Start: 159 @21439 has 217 MA's), (Start: 176 @21460 has 45 MA's), (Start: 204 @21502 has 1 MA's), (237, 21547), (367, 21763), (395, 21808), (402, 21817), (421, 21856), (448, 21907), (449, 21910), (556, 22105), (581, 22174), (674, 22375), (675, 22378), (683, 22399), (730, 22495), (731, 22498), (733, 22504), (762, 22573), (767, 22591), (769, 22600), (777, 22630), (821, 22726), (831, 22759), (835, 22774), (879, 22915), (899, 22972), (945, 23083),

Gene: Kyee_27 Start: 19828, Stop: 21606, Start Num: 156
Candidate Starts for Kyee_27:
(Start: 136 @19804 has 48 MA's), (Start: 156 @19828 has 559 MA's), (Start: 204 @19885 has 1 MA's), (241, 19939), (254, 19954), (Start: 260 @19972 has 1 MA's), (Start: 303 @20056 has 11 MA's), (323, 20068), (325, 20071), (367, 20146), (376, 20161), (402, 20200), (465, 20317), (508, 20404), (550, 20485), (572, 20533), (581, 20557), (615, 20644), (644, 20689), (675, 20761), (683, 20782), (689, 20800), (731, 20881), (767, 20974), (769, 20983), (775, 21007), (777, 21013), (784, 21037), (821, 21091), (828, 21112), (842, 21163), (850, 21187), (899, 21337), (943, 21442), (948, 21457), (987, 21565), (992, 21583),

Gene: Kykar_25 Start: 20786, Stop: 22588, Start Num: 159
Candidate Starts for Kykar_25:
(Start: 159 @20786 has 217 MA's), (Start: 176 @20807 has 45 MA's), (Start: 204 @20849 has 1 MA's), (237, 20894), (367, 21110), (395, 21155), (402, 21164), (421, 21203), (448, 21254), (449, 21257), (556, 21452), (581, 21521), (674, 21722), (675, 21725), (683, 21746), (730, 21842), (731, 21845), (733, 21851), (762, 21920), (767, 21938), (769, 21947), (777, 21977), (821, 22073), (831, 22106), (835, 22121), (879, 22262), (899, 22319), (945, 22430), (1000, 22583),

Gene: L5_28 Start: 19340, Stop: 21130, Start Num: 156
Candidate Starts for L5_28:
(110, 19274), (Start: 136 @19316 has 48 MA's), (Start: 156 @19340 has 559 MA's), (206, 19394), (269, 19493), (286, 19538), (323, 19574), (325, 19577), (366, 19649), (367, 19652), (402, 19706), (406, 19712), (445, 19790), (465, 19823), (469, 19829), (484, 19868), (508, 19910), (550, 19991), (556, 19994), (635, 20180), (674, 20264), (689, 20306), (712, 20357), (731, 20387), (775, 20513), (824, 20624), (825, 20627), (831, 20648), (835, 20663), (842, 20687), (866, 20762), (869, 20777), (899, 20861), (943, 20966), (945, 20972), (951, 20990), (964, 21017), (968, 21026),

Gene: LBerry_29 Start: 20379, Stop: 22175, Start Num: 156
Candidate Starts for LBerry_29:
(Start: 156 @20379 has 559 MA's), (Start: 204 @20436 has 1 MA's), (215, 20451), (238, 20484), (254, 20505), (259, 20520), (Start: 303 @20607 has 11 MA's), (323, 20619), (325, 20622), (367, 20697), (376, 20712), (400, 20748), (508, 20955), (567, 21069), (581, 21108), (615, 21195), (674, 21309), (683, 21333), (689, 21351), (731, 21432), (762, 21507), (767, 21525), (775, 21558), (777, 21564), (790, 21603), (820, 21657), (821, 21660), (828, 21681), (844, 21738), (899, 21906), (943, 22011), (945, 22017), (992, 22152),

Gene: LHTSCC_28 Start: 20138, Stop: 21919, Start Num: 156
Candidate Starts for LHTSCC_28:
(Start: 136 @20114 has 48 MA's), (Start: 156 @20138 has 559 MA's), (Start: 162 @20144 has 5 MA's), (Start: 204 @20198 has 1 MA's), (215, 20213), (254, 20267), (Start: 260 @20285 has 1 MA's), (Start: 303 @20369 has 11 MA's), (323, 20381), (325, 20384), (367, 20459), (376, 20474), (402, 20513), (465, 20630), (508, 20717), (550, 20798), (572, 20846), (581, 20870), (615, 20957), (644, 21002), (675, 21074), (683, 21095), (689, 21113), (731, 21194), (762, 21269), (767, 21287), (769, 21296), (775, 21320), (777, 21326), (784, 21350), (819, 21392), (821, 21404), (828, 21425), (842, 21476), (850, 21500), (867, 21554), (899, 21650), (943, 21755), (948, 21770), (987, 21878), (992, 21896),

Gene: LadyBird_28 Start: 20171, Stop: 21943, Start Num: 156
Candidate Starts for LadyBird_28:
(Start: 136 @20147 has 48 MA's), (Start: 156 @20171 has 559 MA's), (238, 20270), (323, 20405), (325, 20408), (366, 20480), (367, 20483), (402, 20537), (406, 20543), (421, 20576), (465, 20654), (508, 20741), (550, 20822), (556, 20825), (675, 21098), (723, 21203), (731, 21218), (775, 21344), (777, 21350), (808, 21398), (831, 21461), (835, 21476), (837, 21482), (845, 21512), (855, 21536), (866, 21575), (869, 21590), (899, 21674),

Gene: Lamberg_17 Start: 14694, Stop: 16403, Start Num: 216
Candidate Starts for Lamberg_17:
(Start: 216 @14694 has 31 MA's), (278, 14811), (304, 14883), (347, 14961), (417, 15084), (427, 15105), (469, 15174), (471, 15177), (491, 15234), (526, 15309), (547, 15363), (583, 15444), (613, 15504), (704, 15669), (714, 15687), (722, 15702), (731, 15726), (762, 15798), (764, 15801), (768, 15822), (875, 16056), (880, 16071), (894, 16113), (931, 16206), (933, 16209), (951, 16257), (965, 16287), (983, 16344),

Gene: Lambert1_28 Start: 20455, Stop: 22254, Start Num: 156
Candidate Starts for Lambert1_28:
(Start: 156 @20455 has 559 MA's), (Start: 204 @20515 has 1 MA's), (254, 20584), (Start: 303 @20686 has 11 MA's), (323, 20698), (325, 20701), (367, 20776), (376, 20791), (402, 20830), (475, 20965), (508, 21034), (567, 21148), (615, 21274), (674, 21388), (683, 21412), (687, 21424), (689, 21430), (731, 21511), (762, 21586), (767, 21604), (769, 21613), (775, 21637), (777, 21643), (782, 21658), (800, 21691), (820, 21736), (821, 21739), (828, 21760), (867, 21889), (899, 21985), (943, 22090), (945, 22096), (992, 22231),

Gene: Lamina13_27 Start: 20710, Stop: 22512, Start Num: 159
Candidate Starts for Lamina13_27:
(Start: 159 @20710 has 217 MA's), (Start: 176 @20731 has 45 MA's), (Start: 204 @20773 has 1 MA's), (237, 20818), (367, 21034), (395, 21079), (402, 21088), (421, 21127), (448, 21178), (449, 21181), (495, 21274), (556, 21376), (581, 21445), (670, 21634), (674, 21646), (675, 21649), (683, 21670), (730, 21766), (731, 21769), (733, 21775), (762, 21844), (767, 21862), (769, 21871), (777, 21901), (821, 21997), (831, 22030), (835, 22045), (879, 22186), (899, 22243), (945, 22354),

Gene: Landor_29 Start: 21788, Stop: 23560, Start Num: 156
Candidate Starts for Landor_29:
(Start: 136 @21764 has 48 MA's), (Start: 156 @21788 has 559 MA's), (259, 21923), (269, 21941), (323, 22022), (325, 22025), (366, 22097), (367, 22100), (430, 22211), (445, 22238), (465, 22271), (484, 22316), (508, 22358), (556, 22442), (615, 22598), (636, 22631), (723, 22820), (731, 22835), (775, 22961), (777, 22967), (831, 23078), (835, 23093), (837, 23099), (855, 23153), (866, 23192), (869, 23207), (899, 23291), (943, 23396), (945, 23402), (951, 23420), (964, 23447),

Gene: Langerak_19 Start: 16369, Stop: 18105, Start Num: 137
Candidate Starts for Langerak_19:
(Start: 121 @16345 has 6 MA's), (Start: 137 @16369 has 45 MA's), (Start: 186 @16429 has 1 MA's), (198, 16450), (201, 16453), (274, 16573), (290, 16612), (300, 16645), (317, 16669), (382, 16789), (405, 16828), (407, 16834), (447, 16918), (450, 16924), (457, 16936), (473, 16960), (485, 16987), (538, 17005), (555, 17044), (558, 17050), (567, 17074), (591, 17128), (594, 17140), (597, 17149), (621, 17209), (658, 17287), (670, 17326), (682, 17359), (704, 17425), (711, 17440), (715, 17449), (726, 17473), (740, 17503), (746, 17515), (822, 17617), (827, 17629), (828, 17632), (830, 17638), (832, 17647), (865, 17755), (892, 17839), (937, 17938), (983, 18046), (998, 18094),

Gene: LappelDuVide_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for LappelDuVide_27:

(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Larenn_29 Start: 20468, Stop: 22240, Start Num: 156
Candidate Starts for Larenn_29:
(Start: 136 @20444 has 48 MA's), (Start: 156 @20468 has 559 MA's), (259, 20603), (269, 20621), (323, 20702), (325, 20705), (342, 20735), (366, 20777), (367, 20780), (402, 20834), (406, 20840), (436, 20903), (445, 20918), (465, 20951), (479, 20984), (508, 21038), (550, 21119), (556, 21122), (567, 21152), (675, 21395), (723, 21500), (731, 21515), (777, 21647), (831, 21758), (835, 21773), (837, 21779), (855, 21833), (866, 21872), (869, 21887), (881, 21920), (945, 22082), (968, 22136),

Gene: LarryKay_29 Start: 20465, Stop: 22261, Start Num: 156
Candidate Starts for LarryKay_29:
(Start: 156 @20465 has 559 MA's), (Start: 204 @20522 has 1 MA's), (215, 20537), (238, 20570), (254, 20591), (259, 20606), (Start: 303 @20693 has 11 MA's), (323, 20705), (325, 20708), (367, 20783), (376, 20798), (400, 20834), (508, 21041), (567, 21155), (581, 21194), (615, 21281), (674, 21395), (683, 21419), (689, 21437), (731, 21518), (762, 21593), (767, 21611), (775, 21644), (777, 21650), (790, 21689), (820, 21743), (821, 21746), (828, 21767), (844, 21824), (899, 21992), (943, 22097), (945, 22103), (992, 22238),

Gene: LastHope_23 Start: 16451, Stop: 18217, Start Num: 178
Candidate Starts for LastHope_23:
(Start: 178 @16451 has 139 MA's), (198, 16481), (284, 16640), (295, 16673), (311, 16703), (335, 16748), (342, 16766), (371, 16838), (436, 16952), (441, 16961), (465, 17000), (485, 17048), (491, 17066), (492, 17069), (527, 17123), (536, 17141), (551, 17183), (557, 17189), (567, 17216), (579, 17252), (647, 17354), (656, 17372), (676, 17432), (688, 17462), (702, 17489), (751, 17594), (821, 17753), (832, 17789), (841, 17819), (879, 17903), (896, 17954), (948, 18053), (951, 18062), (971, 18104), (993, 18188), (994, 18191), (1004, 18209),

Gene: LastJedi_16 Start: 14805, Stop: 16514, Start Num: 142
Candidate Starts for LastJedi_16:
(Start: 142 @14805 has 207 MA's), (215, 14892), (Start: 249 @14937 has 2 MA's), (258, 14961), (299, 15066), (301, 15072), (309, 15090), (332, 15120), (390, 15225), (422, 15285), (434, 15306), (437, 15315), (450, 15339), (558, 15465), (564, 15480), (566, 15486), (580, 15522), (582, 15525), (589, 15537), (591, 15543), (605, 15591), (611, 15603), (614, 15609), (648, 15669), (653, 15681), (666, 15717), (670, 15729), (700, 15804), (704, 15813), (713, 15831), (715, 15837), (730, 15867), (806, 15972), (810, 15981), (812, 15984), (825, 16020), (847, 16098), (878, 16197), (885, 16218), (896, 16251), (911, 16281), (919, 16311), (924, 16320), (928, 16326), (944, 16341), (945, 16344), (955, 16368), (968, 16398), (973, 16410), (980, 16440), (992, 16482),

Gene: LastResort_30 Start: 19096, Stop: 20883, Start Num: 156
Candidate Starts for LastResort_30:
(110, 19030), (Start: 136 @19072 has 48 MA's), (Start: 156 @19096 has 559 MA's), (Start: 260 @19234 has 1 MA's), (285, 19291), (325, 19333), (344, 19369), (367, 19408), (409, 19477), (421, 19501), (449, 19555), (536, 19705), (556, 19750), (567, 19780), (579, 19816), (600, 19867), (613, 19903), (644, 19951), (671, 20011), (730, 20140), (762, 20218), (835, 20419), (837, 20425), (867, 20521), (929, 20686), (971, 20785),

Gene: LaterM_23 Start: 17116, Stop: 18882, Start Num: 178
Candidate Starts for LaterM_23:
(Start: 178 @17116 has 139 MA's), (198, 17146), (284, 17305), (295, 17338), (311, 17368), (329, 17401), (335, 17413), (371, 17503), (395, 17539), (400, 17545), (436, 17617), (441, 17626), (465, 17665), (484, 17710), (491, 17731), (492, 17734), (536, 17806), (551, 17848), (557, 17854), (567, 17881), (579, 17917), (607, 17974), (647, 18019), (656, 18037), (676, 18097), (688, 18127), (702, 18154), (751, 18259), (779, 18349), (821, 18418), (832, 18454), (841, 18484), (853, 18493), (879, 18568), (896, 18619), (948, 18718), (971, 18769), (993, 18853), (994, 18856), (1004, 18874),

Gene: Latretium_17 Start: 15486, Stop: 17195, Start Num: 142
Candidate Starts for Latretium_17:
(Start: 142 @15486 has 207 MA's), (215, 15573), (232, 15594), (Start: 249 @15618 has 2 MA's), (258, 15642), (266, 15663), (299, 15747), (301, 15753), (309, 15771), (332, 15801), (390, 15906), (422, 15966), (425, 15975), (434, 15987), (437, 15996), (447, 16014), (450, 16020), (475, 16062), (535, 16095), (539, 16107), (544, 16122), (546, 16128), (558, 16146), (564, 16161), (566, 16167), (573, 16188), (582, 16206), (589, 16218), (591, 16224), (605, 16272), (611, 16284), (614, 16290), (648, 16350), (653, 16362), (666, 16398), (670, 16410), (700, 16485), (704, 16494), (713, 16512), (715, 16518), (730, 16548), (806, 16653), (810, 16662), (812, 16665), (825, 16701), (847, 16779), (878, 16878), (885, 16899), (896, 16932), (911, 16962), (919, 16992), (924, 17001), (928, 17007), (944, 17022), (945, 17025), (955, 17049), (968, 17079), (973, 17091), (980, 17121), (992, 17163),

Gene: Lauer_17 Start: 15467, Stop: 17161, Start Num: 151
Candidate Starts for Lauer_17:
(Start: 141 @15464 has 37 MA's), (Start: 151 @15467 has 50 MA's), (235, 15566), (259, 15608), (400, 15848), (445, 15935), (456, 15956), (462, 15965), (477, 15992), (495, 16037), (525, 16070), (534, 16085), (541, 16109), (553, 16142), (567, 16175), (571, 16187), (594, 16244), (620, 16274), (635, 16292), (652, 16322), (666, 16352), (688, 16415), (707, 16466), (731, 16502), (736, 16517), (744, 16535), (767, 16592), (769, 16601), (832, 16721), (835, 16733), (862, 16781), (878, 16832), (879, 16835), (885, 16853), (914, 16931), (925, 16958), (945, 17000), (994, 17147), (998, 17153),

Gene: LeBron_18 Start: 16772, Stop: 18541, Start Num: 136
Candidate Starts for LeBron_18:
(Start: 103 @16709 has 1 MA's), (Start: 111 @16730 has 74 MA's), (Start: 119 @16745 has 3 MA's), (Start: 136 @16772 has 48 MA's), (207, 16865), (241, 16913), (246, 16919), (265, 16946), (266, 16949), (269, 16955), (295, 17027), (298, 17036), (318, 17060), (327, 17075), (342, 17105), (414, 17231), (417, 17240), (427, 17261), (435, 17276), (475, 17345), (488, 17381), (501, 17402), (542, 17471), (562, 17510), (636, 17648), (644, 17660), (674, 17735), (676, 17741), (683, 17759), (695, 17798), (712, 17831), (716, 17840), (724, 17849), (730, 17858), (774, 17981), (785, 18017), (826, 18065), (830, 18077), (858, 18131), (888, 18227), (893, 18245), (895, 18251), (896, 18254), (912, 18287), (919, 18311), (951, 18374), (965, 18416), (977, 18455), (983, 18473), (989, 18494), (994, 18515),

Gene: LeMond_22 Start: 16387, Stop: 18156, Start Num: 171
Candidate Starts for LeMond_22:
(Start: 146 @16357 has 1 MA's), (Start: 171 @16387 has 28 MA's), (Start: 176 @16393 has 45 MA's), (198, 16420), (Start: 219 @16447 has 2 MA's), (277, 16561), (295, 16612), (329, 16675), (371, 16777), (376, 16783), (417, 16855), (436, 16891), (441, 16900), (465, 16939), (485, 16987), (491, 17005), (509, 17044), (512, 17047), (527, 17062), (534, 17074), (536, 17080), (551, 17122), (557, 17128), (567, 17155), (647, 17293), (656, 17311), (662, 17323), (688, 17401), (724, 17473), (731, 17485), (751, 17533), (774, 17608), (821, 17692), (831, 17725), (833, 17731), (841, 17758), (879, 17842), (881, 17848), (896, 17893), (899, 17899), (948, 17992), (983, 18088), (1004, 18148),

Gene: Lea83_23 Start: 17576, Stop: 19339, Start Num: 178

Candidate Starts for Lea83_23:
(Start: 171 @17567 has 28 MA's), (Start: 178 @17576 has 139 MA's), (Start: 195 @17588 has 1 MA's), (255, 17678), (277, 17735), (295, 17786), (311, 17816), (325, 17840), (436, 18071), (441, 18080), (448, 18092), (488, 18173), (491, 18185), (492, 18188), (536, 18260), (539, 18269), (551, 18302), (557, 18308), (571, 18347), (587, 18383), (647, 18473), (671, 18536), (682, 18566), (707, 18623), (751, 18716), (816, 18854), (821, 18872), (835, 18920), (851, 18944), (863, 18971), (881, 19028), (896, 19073), (948, 19175), (980, 19262), (983, 19271), (989, 19292), (993, 19310), (996, 19316), (1004, 19331),

Gene: Lebo14_25 Start: 18639, Stop: 20426, Start Num: 178
Candidate Starts for Lebo14_25:
(Start: 146 @18600 has 1 MA's), (Start: 171 @18630 has 28 MA's), (Start: 176 @18636 has 45 MA's), (Start: 178 @18639 has 139 MA's), (228, 18696), (256, 18744), (272, 18783), (277, 18798), (284, 18816), (295, 18849), (311, 18879), (335, 18924), (342, 18942), (371, 19014), (376, 19020), (395, 19050), (430, 19116), (436, 19128), (498, 19263), (534, 19311), (536, 19317), (541, 19335), (557, 19365), (571, 19404), (647, 19530), (670, 19590), (671, 19593), (677, 19611), (683, 19626), (751, 19794), (769, 19848), (782, 19893), (808, 19938), (821, 19962), (831, 19995), (841, 20028), (875, 20100), (879, 20112), (896, 20163), (899, 20169), (951, 20271), (993, 20397), (1004, 20418),

Gene: Lederberg_17 Start: 16305, Stop: 18002, Start Num: 132
Candidate Starts for Lederberg_17:
(Start: 132 @16305 has 8 MA's), (Start: 148 @16326 has 5 MA's), (Start: 212 @16410 has 47 MA's), (232, 16437), (237, 16443), (318, 16575), (346, 16626), (367, 16659), (371, 16668), (448, 16803), (469, 16836), (477, 16854), (503, 16908), (536, 16953), (562, 17010), (565, 17022), (577, 17061), (617, 17112), (622, 17121), (637, 17142), (670, 17208), (703, 17298), (758, 17406), (773, 17460), (775, 17466), (781, 17484), (837, 17580), (853, 17601), (869, 17646), (929, 17805), (939, 17820), (944, 17835), (948, 17847), (998, 17991),

Gene: Lemur_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Lemur_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Lemuria_19 Start: 16718, Stop: 18526, Start Num: 136
Candidate Starts for Lemuria_19:
(Start: 136 @16718 has 48 MA's), (256, 16865), (277, 16919), (295, 16970), (325, 17024), (357, 17102), (395, 17171), (400, 17177), (536, 17447), (539, 17456), (551, 17489), (557, 17495), (571, 17534), (583, 17564), (609, 17618), (647, 17660), (702, 17801), (751, 17906), (762, 17933), (771, 17969), (774, 17981), (831, 18098), (862, 18161), (867, 18176), (874, 18200), (896, 18266), (948, 18365), (996, 18506),

Gene: Lennon_35 Start: 31965, Stop: 33728, Start Num: 111
Candidate Starts for Lennon_35:
(104, 31947), (Start: 111 @31965 has 74 MA's), (Start: 131 @32001 has 1 MA's), (238, 32139), (285, 32235), (289, 32244), (340, 32313), (367, 32364), (395, 32409), (406, 32424), (448, 32505), (475, 32550), (478, 32559), (535, 32649), (543, 32679), (550, 32694), (562, 32718), (571, 32748), (641, 32853), (689, 32970), (695, 32988), (699, 33003), (723, 33033), (730, 33045), (731, 33048), (740, 33075), (879, 33399), (880, 33402), (896, 33450), (909, 33477), (917, 33504), (943, 33558), (952,

33585), (1000, 33723),

Gene: LeoAvram_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for LeoAvram_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (613, 20637), (615, 20640), (644, 20685), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Leogania_30 Start: 22330, Stop: 24102, Start Num: 156
Candidate Starts for Leogania_30:
(Start: 136 @22306 has 48 MA's), (Start: 156 @22330 has 559 MA's), (259, 22465), (269, 22483), (323, 22564), (325, 22567), (366, 22639), (367, 22642), (402, 22696), (465, 22813), (479, 22846), (508, 22900), (542, 22960), (550, 22981), (556, 22984), (635, 23170), (675, 23257), (689, 23296), (731, 23377), (775, 23503), (777, 23509), (784, 23533), (808, 23557), (831, 23620), (835, 23635), (837, 23641), (855, 23695), (866, 23734), (869, 23749), (934, 23914), (945, 23944),

Gene: Leonard_33 Start: 29137, Stop: 30762, Start Num: 183
Candidate Starts for Leonard_33:
(Start: 138 @29080 has 1 MA's), (Start: 183 @29137 has 17 MA's), (193, 29149), (215, 29182), (221, 29191), (230, 29203), (Start: 249 @29233 has 2 MA's), (261, 29266), (296, 29350), (300, 29362), (341, 29437), (373, 29497), (390, 29527), (567, 29734), (578, 29764), (596, 29806), (597, 29809), (621, 29869), (648, 29917), (674, 29989), (687, 30022), (688, 30025), (706, 30064), (724, 30103), (761, 30190), (762, 30193), (826, 30271), (843, 30331), (858, 30376), (881, 30457), (901, 30511), (948, 30607), (992, 30736), (998, 30751),

Gene: Leozinho_17 Start: 14652, Stop: 16361, Start Num: 142
Candidate Starts for Leozinho_17:
(Start: 142 @14652 has 207 MA's), (215, 14739), (Start: 249 @14784 has 2 MA's), (258, 14808), (299, 14913), (301, 14919), (309, 14937), (332, 14967), (390, 15072), (422, 15132), (434, 15153), (437, 15162), (447, 15180), (450, 15186), (558, 15312), (564, 15327), (566, 15333), (580, 15369), (582, 15372), (589, 15384), (591, 15390), (605, 15438), (611, 15450), (614, 15456), (648, 15516), (653, 15528), (666, 15564), (670, 15576), (700, 15651), (704, 15660), (713, 15678), (715, 15684), (730, 15714), (806, 15819), (810, 15828), (812, 15831), (825, 15867), (847, 15945), (878, 16044), (885, 16065), (896, 16098), (911, 16128), (919, 16158), (924, 16167), (928, 16173), (944, 16188), (945, 16191), (955, 16215), (968, 16245), (973, 16257), (980, 16287), (992, 16329),

Gene: Leperchaun_16 Start: 14796, Stop: 16505, Start Num: 142
Candidate Starts for Leperchaun_16:
(Start: 142 @14796 has 207 MA's), (215, 14883), (Start: 249 @14928 has 2 MA's), (258, 14952), (299, 15057), (301, 15063), (309, 15081), (332, 15111), (390, 15216), (419, 15270), (422, 15276), (434, 15297), (437, 15306), (450, 15330), (558, 15456), (564, 15471), (566, 15477), (580, 15513), (582, 15516), (589, 15528), (591, 15534), (605, 15582), (611, 15594), (614, 15600), (648, 15660), (653, 15672), (666, 15708), (670, 15720), (700, 15795), (704, 15804), (713, 15822), (715, 15828), (730, 15858), (806, 15963), (812, 15975), (825, 16011), (847, 16089), (885, 16209), (896, 16242), (911, 16272), (913, 16284), (919, 16302), (924, 16311), (928, 16317), (944, 16332), (945, 16335), (955, 16359), (973, 16401), (980, 16431), (992, 16473),

Gene: Leroy_20 Start: 16435, Stop: 18132, Start Num: 156
Candidate Starts for Leroy_20:

(122, 16396), (Start: 156 @16435 has 559 MA's), (Start: 169 @16447 has 3 MA's), (Start: 171 @16450 has 28 MA's), (Start: 195 @16486 has 1 MA's), (223, 16525), (238, 16546), (261, 16588), (266, 16594), (268, 16597), (273, 16609), (286, 16645), (323, 16681), (346, 16738), (377, 16786), (393, 16813), (448, 16915), (473, 16954), (495, 17011), (506, 17029), (522, 17038), (525, 17044), (543, 17092), (557, 17122), (570, 17158), (572, 17164), (579, 17185), (581, 17188), (602, 17239), (636, 17266), (637, 17269), (654, 17296), (666, 17323), (691, 17395), (710, 17434), (743, 17488), (769, 17560), (783, 17605), (832, 17695), (837, 17713), (875, 17797), (878, 17806), (879, 17809), (881, 17815), (887, 17830), (897, 17860), (900, 17866), (909, 17887), (911, 17890), (933, 17944), (945, 17974), (948, 17983), (970, 18034), (980, 18067), (984, 18079), (989, 18097),

Gene: Lesedi_26 Start: 20868, Stop: 22670, Start Num: 159
Candidate Starts for Lesedi_26:
(Start: 159 @20868 has 217 MA's), (Start: 176 @20889 has 45 MA's), (Start: 204 @20931 has 1 MA's), (237, 20976), (367, 21192), (395, 21237), (402, 21246), (421, 21285), (448, 21336), (449, 21339), (556, 21534), (581, 21603), (674, 21804), (675, 21807), (683, 21828), (730, 21924), (731, 21927), (733, 21933), (762, 22002), (767, 22020), (769, 22029), (777, 22059), (821, 22155), (831, 22188), (835, 22203), (879, 22344), (899, 22401), (945, 22512),

Gene: Leston_21 Start: 17625, Stop: 19397, Start Num: 181
Candidate Starts for Leston_21:
(Start: 181 @17625 has 15 MA's), (Start: 186 @17631 has 1 MA's), (201, 17655), (228, 17688), (256, 17736), (277, 17790), (295, 17841), (329, 17904), (376, 18012), (436, 18120), (491, 18234), (492, 18237), (527, 18291), (534, 18303), (536, 18309), (551, 18351), (557, 18357), (571, 18396), (579, 18420), (647, 18522), (671, 18585), (687, 18630), (751, 18765), (782, 18864), (824, 18942), (831, 18966), (833, 18972), (837, 18987), (879, 19083), (881, 19089), (951, 19242), (988, 19347), (989, 19350), (993, 19368),

Gene: Lev2_24 Start: 19477, Stop: 21276, Start Num: 156
Candidate Starts for Lev2_24:
(Start: 156 @19477 has 559 MA's), (241, 19582), (Start: 260 @19615 has 1 MA's), (325, 19714), (367, 19789), (376, 19804), (400, 19840), (436, 19912), (445, 19927), (465, 19960), (469, 19966), (575, 20191), (579, 20197), (615, 20287), (671, 20392), (674, 20401), (689, 20443), (694, 20461), (730, 20521), (731, 20524), (762, 20599), (767, 20617), (820, 20758), (831, 20794), (899, 21007), (942, 21109), (945, 21118), (986, 21232), (992, 21253), (994, 21262),

Gene: Levia_26 Start: 21857, Stop: 23659, Start Num: 159
Candidate Starts for Levia_26:
(Start: 159 @21857 has 217 MA's), (Start: 176 @21878 has 45 MA's), (Start: 204 @21920 has 1 MA's), (237, 21965), (367, 22181), (395, 22226), (402, 22235), (421, 22274), (448, 22325), (449, 22328), (556, 22523), (581, 22592), (674, 22793), (675, 22796), (683, 22817), (730, 22913), (731, 22916), (733, 22922), (762, 22991), (767, 23009), (769, 23018), (777, 23048), (821, 23144), (831, 23177), (835, 23192), (879, 23333), (899, 23390), (945, 23501),

Gene: Leviathan_30 Start: 20689, Stop: 22461, Start Num: 156
Candidate Starts for Leviathan_30:
(Start: 136 @20665 has 48 MA's), (Start: 156 @20689 has 559 MA's), (215, 20755), (238, 20788), (281, 20872), (323, 20923), (325, 20926), (366, 20998), (367, 21001), (402, 21055), (421, 21094), (465, 21172), (508, 21259), (550, 21340), (556, 21343), (635, 21529), (675, 21616), (723, 21721), (731, 21736), (775, 21862), (777, 21868), (808, 21916), (835, 21994), (837, 22000), (855, 22054), (866, 22093), (869, 22108), (899, 22192), (945, 22303),

Gene: Lewan_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for Lewan_18:

(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Licorice_29 Start: 22097, Stop: 23899, Start Num: 159
Candidate Starts for Licorice_29:
(Start: 159 @22097 has 217 MA's), (Start: 176 @22118 has 45 MA's), (Start: 204 @22160 has 1 MA's), (237, 22205), (367, 22421), (395, 22466), (402, 22475), (421, 22514), (448, 22565), (449, 22568), (556, 22763), (581, 22832), (674, 23033), (675, 23036), (683, 23057), (730, 23153), (731, 23156), (733, 23162), (762, 23231), (767, 23249), (769, 23258), (777, 23288), (821, 23384), (831, 23417), (835, 23432), (879, 23573), (899, 23630), (945, 23741), (1000, 23894),

Gene: Liefie_18 Start: 16648, Stop: 18402, Start Num: 194
Candidate Starts for Liefie_18:
(Start: 171 @16639 has 28 MA's), (Start: 194 @16648 has 44 MA's), (Start: 196 @16654 has 2 MA's), (201, 16660), (256, 16738), (277, 16792), (295, 16843), (311, 16873), (325, 16897), (367, 16999), (391, 17038), (395, 17044), (406, 17059), (425, 17104), (488, 17224), (513, 17281), (536, 17320), (557, 17368), (567, 17395), (571, 17407), (607, 17488), (647, 17533), (731, 17731), (743, 17761), (751, 17779), (762, 17806), (785, 17890), (805, 17908), (818, 17923), (831, 17971), (835, 17986), (867, 18049), (885, 18106), (899, 18145), (915, 18187), (948, 18238), (983, 18334), (1004, 18394),

Gene: LilBib_28 Start: 22310, Stop: 24112, Start Num: 159
Candidate Starts for LilBib_28:
(Start: 159 @22310 has 217 MA's), (Start: 176 @22331 has 45 MA's), (Start: 204 @22373 has 1 MA's), (237, 22418), (367, 22634), (395, 22679), (402, 22688), (421, 22727), (448, 22778), (449, 22781), (556, 22976), (581, 23045), (674, 23246), (675, 23249), (683, 23270), (730, 23366), (731, 23369), (733, 23375), (762, 23444), (767, 23462), (769, 23471), (777, 23501), (821, 23597), (831, 23630), (835, 23645), (844, 23675), (879, 23786), (899, 23843), (945, 23954),

Gene: LilDestine_18 Start: 16988, Stop: 18721, Start Num: 175
Candidate Starts for LilDestine_18:
(Start: 175 @16988 has 56 MA's), (223, 17057), (295, 17198), (296, 17201), (327, 17246), (343, 17279), (346, 17288), (366, 17324), (400, 17378), (414, 17405), (419, 17417), (445, 17468), (448, 17474), (469, 17507), (546, 17660), (562, 17684), (564, 17693), (579, 17738), (588, 17753), (636, 17831), (686, 17951), (712, 18014), (746, 18086), (764, 18122), (824, 18242), (826, 18248), (830, 18260), (860, 18323), (875, 18374), (888, 18410), (896, 18437), (925, 18506), (935, 18521), (943, 18533), (951, 18557), (977, 18635),

Gene: LilHam_32 Start: 28981, Stop: 30744, Start Num: 111
Candidate Starts for LilHam_32:
(Start: 111 @28981 has 74 MA's), (Start: 131 @29017 has 1 MA's), (232, 29146), (238, 29155), (285, 29251), (289, 29260), (340, 29329), (367, 29380), (372, 29389), (395, 29425), (406, 29440), (414, 29458), (448, 29521), (475, 29566), (478, 29575), (541, 29686), (543, 29695), (550, 29710), (562, 29734), (571, 29764), (689, 29986), (695, 30004), (699, 30019), (730, 30061), (740, 30091), (785, 30211), (833, 30304), (879, 30415), (880, 30418), (896, 30466), (909, 30493), (917, 30520), (943, 30574),

Gene: LilHazelnut_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for LilHazelnut_22:

(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: LilMoolah_16 Start: 14938, Stop: 16647, Start Num: 142
Candidate Starts for LilMoolah_16:
(Start: 142 @14938 has 207 MA's), (215, 15025), (Start: 249 @15070 has 2 MA's), (258, 15094), (282, 15151), (299, 15199), (301, 15205), (309, 15223), (332, 15253), (390, 15358), (419, 15412), (422, 15418), (425, 15427), (437, 15448), (450, 15472), (473, 15508), (475, 15514), (535, 15547), (536, 15550), (539, 15559), (544, 15574), (546, 15580), (558, 15598), (564, 15613), (566, 15619), (572, 15637), (573, 15640), (580, 15655), (589, 15670), (591, 15676), (605, 15724), (611, 15736), (614, 15742), (648, 15802), (653, 15814), (666, 15850), (670, 15862), (700, 15937), (704, 15946), (713, 15964), (715, 15970), (730, 16000), (806, 16105), (812, 16117), (825, 16153), (847, 16231), (885, 16351), (896, 16384), (911, 16414), (913, 16426), (919, 16444), (922, 16450), (924, 16453), (928, 16459), (944, 16474), (945, 16477), (953, 16498), (955, 16501), (973, 16543), (980, 16573), (992, 16615), (993, 16621),

Gene: LilPharaoh_19 Start: 16697, Stop: 18463, Start Num: 178
Candidate Starts for LilPharaoh_19:
(Start: 178 @16697 has 139 MA's), (Start: 181 @16703 has 15 MA's), (198, 16727), (272, 16853), (277, 16868), (284, 16886), (311, 16949), (371, 17084), (376, 17090), (436, 17198), (441, 17207), (491, 17312), (534, 17381), (536, 17387), (547, 17423), (557, 17435), (579, 17498), (647, 17600), (656, 17618), (670, 17660), (671, 17663), (721, 17768), (751, 17840), (784, 17948), (786, 17954), (821, 17999), (837, 18053), (853, 18074), (879, 18149), (896, 18200), (948, 18299), (954, 18314), (971, 18350), (983, 18395), (993, 18434), (994, 18437), (1004, 18455),

Gene: LilSpotty_18 Start: 14614, Stop: 16329, Start Num: 131
Candidate Starts for LilSpotty_18:
(122, 14602), (Start: 131 @14614 has 1 MA's), (327, 14896), (346, 14944), (421, 15070), (467, 15151), (520, 15241), (525, 15250), (556, 15325), (567, 15355), (568, 15358), (571, 15367), (635, 15460), (652, 15490), (689, 15586), (690, 15589), (724, 15652), (732, 15667), (750, 15712), (767, 15757), (769, 15766), (819, 15838), (837, 15904), (879, 16000), (880, 16003), (899, 16057), (909, 16078), (911, 16081), (945, 16165), (954, 16189), (976, 16252), (990, 16297), (992, 16306),

Gene: LilTurb_30 Start: 20692, Stop: 22464, Start Num: 156
Candidate Starts for LilTurb_30:
(Start: 136 @20668 has 48 MA's), (Start: 156 @20692 has 559 MA's), (238, 20791), (281, 20875), (323, 20926), (325, 20929), (366, 21001), (367, 21004), (402, 21058), (421, 21097), (465, 21175), (508, 21262), (550, 21343), (556, 21346), (635, 21532), (675, 21619), (723, 21724), (731, 21739), (775, 21865), (777, 21871), (808, 21919), (835, 21997), (837, 22003), (855, 22057), (866, 22096), (869, 22111), (899, 22195), (945, 22306),

Gene: Lilac_26 Start: 19243, Stop: 20922, Start Num: 147
Candidate Starts for Lilac_26:
(Start: 147 @19243 has 120 MA's), (Start: 212 @19327 has 47 MA's), (Start: 260 @19405 has 1 MA's), (296, 19492), (301, 19507), (332, 19555), (349, 19594), (405, 19681), (420, 19714), (437, 19750), (454, 19780), (457, 19786), (538, 19855), (561, 19885), (565, 19897), (566, 19900), (591, 19957), (650, 20089), (651, 20095), (675, 20161), (677, 20167), (686, 20191), (704, 20239), (715,

20263), (721, 20272), (754, 20347), (810, 20398), (819, 20413), (867, 20575), (875, 20602), (885, 20632), (926, 20737), (971, 20815), (980, 20851), (983, 20860), (992, 20893), (998, 20908),

Gene: Lilas_20 Start: 17715, Stop: 19421, Start Num: 157
Candidate Starts for Lilas_20:
(Start: 137 @17691 has 45 MA's), (Start: 157 @17715 has 24 MA's), (197, 17763), (238, 17820), (262, 17862), (367, 18051), (445, 18198), (448, 18204), (475, 18249), (546, 18387), (577, 18462), (730, 18744), (737, 18765), (767, 18840), (809, 18927), (826, 18963), (835, 18996), (837, 19002), (868, 19068), (879, 19098), (943, 19254), (945, 19260), (951, 19278), (990, 19389),

Gene: Lilbeanie_30 Start: 24430, Stop: 26055, Start Num: 180
Candidate Starts for Lilbeanie_30:
(Start: 180 @24430 has 1 MA's), (Start: 185 @24436 has 10 MA's), (210, 24469), (235, 24502), (261, 24559), (344, 24739), (390, 24820), (438, 24913), (442, 24919), (447, 24928), (567, 25027), (571, 25039), (578, 25057), (596, 25099), (621, 25162), (650, 25213), (651, 25219), (706, 25357), (724, 25396), (726, 25399), (746, 25453), (750, 25459), (762, 25486), (806, 25513), (819, 25537), (826, 25564), (848, 25642), (858, 25669), (883, 25756), (893, 25786), (919, 25855), (936, 25882), (971, 25951), (972, 25954), (975, 25972), (988, 26014), (998, 26044),

Gene: Lilbit_51 Start: 27401, Stop: 29113, Start Num: 175
Candidate Starts for Lilbit_51:
(122, 27338), (Start: 175 @27401 has 56 MA's), (Start: 233 @27482 has 1 MA's), (266, 27539), (296, 27620), (298, 27626), (339, 27683), (342, 27695), (346, 27707), (367, 27746), (376, 27761), (417, 27830), (445, 27884), (449, 27893), (539, 28049), (562, 28097), (564, 28106), (567, 28115), (581, 28154), (590, 28169), (636, 28232), (644, 28244), (689, 28361), (690, 28364), (712, 28415), (729, 28442), (731, 28445), (738, 28466), (758, 28508), (820, 28628), (826, 28646), (881, 28790), (896, 28835), (905, 28853), (942, 28937), (945, 28946), (951, 28964), (961, 28985), (977, 29030), (979, 29036), (983, 29048), (986, 29060), (990, 29072), (998, 29096), (1002, 29102),

Gene: Lilbunny_31 Start: 19971, Stop: 21743, Start Num: 156
Candidate Starts for Lilbunny_31:
(110, 19905), (Start: 136 @19947 has 48 MA's), (Start: 156 @19971 has 559 MA's), (325, 20208), (366, 20280), (367, 20283), (376, 20298), (402, 20337), (406, 20343), (465, 20454), (469, 20460), (484, 20499), (508, 20541), (536, 20580), (550, 20622), (556, 20625), (615, 20781), (684, 20922), (689, 20937), (777, 21150), (828, 21249), (835, 21276), (852, 21327), (855, 21336), (866, 21375), (869, 21390), (899, 21474), (943, 21579), (945, 21585), (992, 21720),

Gene: LilhomieP_27 Start: 22368, Stop: 24104, Start Num: 161
Candidate Starts for LilhomieP_27:
(69, 22146), (Start: 119 @22326 has 3 MA's), (Start: 128 @22341 has 2 MA's), (Start: 161 @22368 has 14 MA's), (Start: 176 @22383 has 45 MA's), (201, 22422), (223, 22452), (Start: 227 @22458 has 45 MA's), (237, 22470), (291, 22575), (295, 22590), (323, 22629), (389, 22752), (395, 22761), (445, 22857), (471, 22899), (473, 22902), (562, 23079), (610, 23190), (636, 23217), (669, 23289), (670, 23298), (671, 23301), (675, 23313), (730, 23433), (731, 23436), (746, 23478), (761, 23508), (764, 23514), (824, 23634), (826, 23640), (969, 23994), (977, 24021), (983, 24039), (985, 24048),

Gene: Lilith_29 Start: 20372, Stop: 22168, Start Num: 156
Candidate Starts for Lilith_29:
(Start: 156 @20372 has 559 MA's), (Start: 204 @20429 has 1 MA's), (215, 20444), (238, 20477), (254, 20498), (259, 20513), (Start: 303 @20600 has 11 MA's), (323, 20612), (325, 20615), (367, 20690), (376, 20705), (400, 20741), (508, 20948), (567, 21062), (581, 21101), (615, 21188), (674, 21302), (683, 21326), (689, 21344), (731, 21425), (762, 21500), (767, 21518), (775, 21551), (777, 21557), (790, 21596), (820, 21650), (821, 21653), (828, 21674), (844, 21731), (899, 21899), (943, 22004),

(945, 22010), (992, 22145),

Gene: Lilizi_26 Start: 19451, Stop: 21130, Start Num: 147
Candidate Starts for Lilizi_26:
(Start: 147 @19451 has 120 MA's), (Start: 212 @19535 has 47 MA's), (Start: 260 @19613 has 1 MA's), (296, 19700), (301, 19715), (332, 19763), (349, 19802), (405, 19889), (420, 19922), (437, 19958), (454, 19988), (457, 19994), (538, 20063), (561, 20093), (565, 20105), (566, 20108), (591, 20165), (650, 20297), (651, 20303), (675, 20369), (677, 20375), (686, 20399), (704, 20447), (715, 20471), (721, 20480), (754, 20555), (810, 20606), (819, 20621), (867, 20783), (875, 20810), (885, 20840), (926, 20945), (971, 21023), (980, 21059), (983, 21068), (992, 21101), (998, 21116),

Gene: Lilleskat_28 Start: 21749, Stop: 23539, Start Num: 156
Candidate Starts for Lilleskat_28:
(Start: 153 @21746 has 9 MA's), (Start: 156 @21749 has 559 MA's), (323, 21983), (325, 21986), (366, 22058), (367, 22061), (376, 22076), (402, 22115), (406, 22121), (465, 22232), (508, 22319), (550, 22400), (556, 22403), (635, 22589), (669, 22652), (675, 22676), (677, 22682), (689, 22715), (731, 22796), (775, 22922), (788, 22964), (821, 23024), (831, 23057), (835, 23072), (866, 23171), (867, 23174), (869, 23186), (899, 23270), (925, 23336), (943, 23375), (945, 23381), (964, 23426), (983, 23483), (984, 23486),

Gene: Lillie_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Lillie_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Lilpickle_23 Start: 18953, Stop: 20632, Start Num: 147
Candidate Starts for Lilpickle_23:
(Start: 147 @18953 has 120 MA's), (Start: 212 @19037 has 47 MA's), (Start: 260 @19115 has 1 MA's), (296, 19202), (301, 19217), (332, 19265), (349, 19304), (405, 19391), (420, 19424), (437, 19460), (454, 19490), (457, 19496), (538, 19565), (561, 19595), (565, 19607), (566, 19610), (591, 19667), (650, 19799), (651, 19805), (675, 19871), (677, 19877), (686, 19901), (704, 19949), (715, 19973), (721, 19982), (754, 20057), (810, 20108), (819, 20123), (867, 20285), (875, 20312), (885, 20342), (926, 20447), (971, 20525), (980, 20561), (983, 20570), (992, 20603), (998, 20618),

Gene: LindNT_23 Start: 17122, Stop: 18888, Start Num: 178
Candidate Starts for LindNT_23:
(Start: 178 @17122 has 139 MA's), (198, 17152), (284, 17311), (295, 17344), (311, 17374), (329, 17407), (335, 17419), (371, 17509), (400, 17551), (431, 17614), (436, 17623), (441, 17632), (465, 17671), (484, 17716), (491, 17737), (492, 17740), (536, 17812), (551, 17854), (557, 17860), (567, 17887), (647, 18025), (656, 18043), (670, 18085), (676, 18103), (688, 18133), (702, 18160), (751, 18265), (821, 18424), (832, 18460), (841, 18490), (853, 18499), (879, 18574), (896, 18625), (983, 18820), (993, 18859), (994, 18862), (1004, 18880),

Gene: LionsBait_29 Start: 21960, Stop: 23732, Start Num: 156
Candidate Starts for LionsBait_29:
(Start: 136 @21936 has 48 MA's), (Start: 156 @21960 has 559 MA's), (238, 22059), (281, 22143), (323, 22194), (325, 22197), (366, 22269), (367, 22272), (402, 22326), (406, 22332), (421, 22365), (465, 22443), (508, 22530), (550, 22611), (556, 22614), (571, 22656), (635, 22800), (675, 22887), (689, 22926), (731, 23007), (775, 23133), (777, 23139), (808, 23187), (831, 23250), (835, 23265), (837, 23271), (845, 23301), (855, 23325), (866, 23364), (869, 23379), (899, 23463),

Gene: LitninMcQueen_20 Start: 16422, Stop: 18119, Start Num: 156
Candidate Starts for LitninMcQueen_20:
(122, 16383), (Start: 156 @16422 has 559 MA's), (Start: 169 @16434 has 3 MA's), (Start: 195 @16473 has 1 MA's), (223, 16512), (238, 16533), (266, 16581), (271, 16590), (286, 16632), (323, 16668), (346, 16725), (377, 16773), (393, 16800), (473, 16941), (495, 16998), (506, 17016), (522, 17025), (525, 17031), (557, 17109), (570, 17145), (572, 17151), (579, 17172), (581, 17175), (602, 17226), (636, 17253), (637, 17256), (654, 17283), (666, 17310), (691, 17382), (710, 17421), (743, 17475), (761, 17517), (783, 17592), (824, 17655), (832, 17682), (833, 17685), (837, 17700), (875, 17784), (878, 17793), (879, 17796), (881, 17802), (885, 17814), (887, 17817), (897, 17847), (900, 17853), (909, 17874), (911, 17877), (933, 17931), (945, 17961), (948, 17970), (970, 18021), (980, 18054), (984, 18066), (989, 18084),

Gene: LittleB_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for LittleB_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: LittleCherry_24 Start: 19659, Stop: 21455, Start Num: 156
Candidate Starts for LittleCherry_24:
(Start: 156 @19659 has 559 MA's), (241, 19764), (Start: 260 @19797 has 1 MA's), (325, 19896), (367, 19971), (376, 19986), (400, 20022), (436, 20094), (445, 20109), (469, 20148), (479, 20175), (488, 20196), (519, 20235), (567, 20343), (575, 20373), (579, 20379), (644, 20514), (670, 20571), (671, 20574), (674, 20583), (689, 20625), (694, 20643), (730, 20703), (731, 20706), (767, 20799), (769, 20808), (775, 20832), (820, 20940), (831, 20976), (899, 21186), (942, 21288), (945, 21297), (986, 21411), (992, 21432), (994, 21441),

Gene: LittleE_37 Start: 28308, Stop: 30041, Start Num: 141
Candidate Starts for LittleE_37:
(Start: 141 @28308 has 37 MA's), (Start: 212 @28398 has 47 MA's), (215, 28401), (272, 28503), (296, 28569), (317, 28605), (334, 28635), (340, 28650), (385, 28734), (407, 28770), (420, 28797), (438, 28836), (457, 28869), (464, 28878), (536, 28935), (552, 28977), (586, 29052), (591, 29064), (611, 29124), (630, 29178), (650, 29208), (658, 29226), (662, 29235), (671, 29268), (675, 29280), (677, 29286), (691, 29325), (715, 29382), (819, 29532), (822, 29550), (835, 29592), (842, 29616), (843, 29619), (847, 29634), (858, 29664), (867, 29694), (885, 29751), (958, 29901), (994, 30021), (998, 30027),

Gene: LittleGuy_27 Start: 19770, Stop: 21548, Start Num: 156
Candidate Starts for LittleGuy_27:
(Start: 136 @19746 has 48 MA's), (Start: 156 @19770 has 559 MA's), (Start: 204 @19827 has 1 MA's), (241, 19881), (254, 19896), (Start: 260 @19914 has 1 MA's), (Start: 303 @19998 has 11 MA's), (323, 20010), (325, 20013), (367, 20088), (376, 20103), (402, 20142), (465, 20259), (508, 20346), (550, 20427), (572, 20475), (581, 20499), (615, 20586), (644, 20631), (675, 20703), (683, 20724), (689, 20742), (731, 20823), (767, 20916), (769, 20925), (775, 20949), (777, 20955), (784, 20979), (821, 21033), (828, 21054), (842, 21105), (850, 21129), (867, 21183), (899, 21279), (943, 21384), (948, 21399), (987, 21507), (992, 21525),

Gene: LittleLaf_50 Start: 27130, Stop: 28842, Start Num: 175

Candidate Starts for LittleLaf_50:
(122, 27067), (Start: 175 @27130 has 56 MA's), (Start: 233 @27211 has 1 MA's), (266, 27268), (296, 27349), (298, 27355), (339, 27412), (342, 27424), (346, 27436), (367, 27475), (376, 27490), (417, 27559), (445, 27613), (449, 27622), (539, 27778), (562, 27826), (564, 27835), (567, 27844), (581, 27883), (590, 27898), (636, 27961), (644, 27973), (689, 28090), (690, 28093), (712, 28144), (729, 28171), (731, 28174), (738, 28195), (758, 28237), (820, 28357), (826, 28375), (881, 28519), (896, 28564), (905, 28582), (942, 28666), (945, 28675), (951, 28693), (961, 28714), (977, 28759), (979, 28765), (983, 28777), (986, 28789), (990, 28801), (998, 28825), (1002, 28831),

Gene: LittleShirley_17 Start: 14625, Stop: 16334, Start Num: 142
Candidate Starts for LittleShirley_17:
(Start: 142 @14625 has 207 MA's), (215, 14712), (232, 14733), (Start: 249 @14757 has 2 MA's), (258, 14781), (266, 14802), (299, 14886), (301, 14892), (309, 14910), (332, 14940), (390, 15045), (422, 15105), (434, 15126), (437, 15135), (450, 15159), (535, 15234), (536, 15237), (539, 15246), (544, 15261), (546, 15267), (558, 15285), (564, 15300), (566, 15306), (573, 15327), (580, 15342), (589, 15357), (591, 15363), (605, 15411), (611, 15423), (614, 15429), (648, 15489), (653, 15501), (666, 15537), (670, 15549), (700, 15624), (704, 15633), (713, 15651), (715, 15657), (730, 15687), (806, 15792), (812, 15804), (825, 15840), (847, 15918), (885, 16038), (896, 16071), (911, 16101), (913, 16113), (919, 16131), (922, 16137), (924, 16140), (928, 16146), (944, 16161), (945, 16164), (953, 16185), (955, 16188), (973, 16230), (980, 16260), (992, 16302), (993, 16308),

Gene: LiyuLake_19 Start: 17373, Stop: 19136, Start Num: 136
Candidate Starts for LiyuLake_19:
(Start: 136 @17373 has 48 MA's), (Start: 161 @17400 has 14 MA's), (207, 17463), (241, 17511), (246, 17517), (269, 17553), (296, 17628), (346, 17715), (414, 17829), (419, 17841), (478, 17952), (556, 18096), (562, 18108), (567, 18126), (572, 18141), (674, 18330), (676, 18336), (695, 18393), (716, 18435), (724, 18444), (731, 18456), (762, 18531), (782, 18600), (785, 18612), (826, 18660), (858, 18726), (881, 18804), (896, 18849), (915, 18894), (919, 18906), (951, 18969), (963, 19005), (969, 19020), (977, 19050), (979, 19056), (983, 19068), (985, 19077), (989, 19089),

Gene: Lizziana_16 Start: 14813, Stop: 16522, Start Num: 142
Candidate Starts for Lizziana_16:
(Start: 142 @14813 has 207 MA's), (215, 14900), (Start: 249 @14945 has 2 MA's), (258, 14969), (299, 15074), (301, 15080), (309, 15098), (332, 15128), (390, 15233), (419, 15287), (422, 15293), (425, 15302), (437, 15323), (450, 15347), (473, 15383), (475, 15389), (535, 15422), (536, 15425), (539, 15434), (544, 15449), (546, 15455), (558, 15473), (564, 15488), (566, 15494), (572, 15512), (573, 15515), (580, 15530), (589, 15545), (591, 15551), (605, 15599), (611, 15611), (614, 15617), (648, 15677), (653, 15689), (666, 15725), (670, 15737), (700, 15812), (704, 15821), (713, 15839), (715, 15845), (730, 15875), (806, 15980), (812, 15992), (825, 16028), (847, 16106), (885, 16226), (896, 16259), (911, 16289), (913, 16301), (919, 16319), (922, 16325), (924, 16328), (928, 16334), (944, 16349), (945, 16352), (953, 16373), (955, 16376), (973, 16418), (980, 16448), (992, 16490), (993, 16496),

Gene: Llama_16 Start: 15041, Stop: 16750, Start Num: 142
Candidate Starts for Llama_16:
(Start: 142 @15041 has 207 MA's), (215, 15128), (232, 15149), (Start: 249 @15173 has 2 MA's), (258, 15197), (266, 15218), (299, 15302), (301, 15308), (309, 15326), (332, 15356), (390, 15461), (419, 15515), (422, 15521), (432, 15539), (434, 15542), (437, 15551), (450, 15575), (535, 15650), (539, 15662), (544, 15677), (546, 15683), (558, 15701), (564, 15716), (566, 15722), (574, 15749), (580, 15758), (589, 15773), (591, 15779), (605, 15827), (611, 15839), (614, 15845), (648, 15905), (653, 15917), (666, 15953), (670, 15965), (677, 15986), (700, 16040), (704, 16049), (713, 16067), (715, 16073), (730, 16103), (806, 16208), (810, 16217), (812, 16220), (825, 16256), (836, 16295), (847, 16334), (885, 16454), (896, 16487), (911, 16517), (919, 16547), (924, 16556), (928, 16562), (944,

16577), (945, 16580), (953, 16601), (955, 16604), (971, 16640), (973, 16646), (980, 16676), (992, 16718),

Gene: Llij_16 Start: 14790, Stop: 16499, Start Num: 142
Candidate Starts for Llij_16:
(Start: 142 @14790 has 207 MA's), (215, 14877), (Start: 249 @14922 has 2 MA's), (258, 14946), (282, 15003), (299, 15051), (301, 15057), (309, 15075), (332, 15105), (362, 15159), (390, 15210), (419, 15264), (422, 15270), (425, 15279), (437, 15300), (450, 15324), (473, 15360), (475, 15366), (535, 15399), (536, 15402), (539, 15411), (544, 15426), (546, 15432), (558, 15450), (564, 15465), (566, 15471), (572, 15489), (573, 15492), (580, 15507), (589, 15522), (591, 15528), (605, 15576), (611, 15588), (614, 15594), (648, 15654), (653, 15666), (666, 15702), (670, 15714), (700, 15789), (704, 15798), (713, 15816), (715, 15822), (730, 15852), (806, 15957), (812, 15969), (825, 16005), (847, 16083), (885, 16203), (896, 16236), (911, 16266), (913, 16278), (919, 16296), (922, 16302), (924, 16305), (928, 16311), (944, 16326), (945, 16329), (953, 16350), (955, 16353), (973, 16395), (980, 16425), (992, 16467), (993, 16473),

Gene: Llorens_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Llorens_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Loadrie_18 Start: 17021, Stop: 18754, Start Num: 175
Candidate Starts for Loadrie_18:
(Start: 175 @17021 has 56 MA's), (223, 17090), (295, 17231), (296, 17234), (327, 17279), (343, 17312), (346, 17321), (366, 17357), (400, 17411), (414, 17438), (419, 17450), (445, 17501), (448, 17507), (469, 17540), (546, 17693), (562, 17717), (564, 17726), (579, 17771), (588, 17786), (636, 17864), (686, 17984), (712, 18047), (746, 18119), (764, 18155), (824, 18275), (826, 18281), (830, 18293), (860, 18356), (888, 18443), (896, 18470), (925, 18539), (935, 18554), (943, 18566), (951, 18590), (977, 18668),

Gene: LochMonster_27 Start: 19802, Stop: 21580, Start Num: 156
Candidate Starts for LochMonster_27:
(Start: 136 @19778 has 48 MA's), (Start: 156 @19802 has 559 MA's), (Start: 204 @19859 has 1 MA's), (241, 19913), (254, 19928), (Start: 260 @19946 has 1 MA's), (Start: 303 @20030 has 11 MA's), (323, 20042), (325, 20045), (367, 20120), (376, 20135), (402, 20174), (465, 20291), (508, 20378), (550, 20459), (572, 20507), (581, 20531), (615, 20618), (644, 20663), (675, 20735), (683, 20756), (689, 20774), (767, 20948), (769, 20957), (775, 20981), (777, 20987), (784, 21011), (821, 21065), (828, 21086), (842, 21137), (850, 21161), (867, 21215), (899, 21311), (943, 21416), (948, 21431), (987, 21539), (992, 21557),

Gene: Lockley_27 Start: 21053, Stop: 22855, Start Num: 159
Candidate Starts for Lockley_27:
(Start: 159 @21053 has 217 MA's), (Start: 176 @21074 has 45 MA's), (Start: 204 @21116 has 1 MA's), (237, 21161), (367, 21377), (395, 21422), (402, 21431), (448, 21521), (449, 21524), (556, 21719), (581, 21788), (604, 21848), (670, 21977), (674, 21989), (675, 21992), (683, 22013), (730, 22109), (731, 22112), (733, 22118), (762, 22187), (767, 22205), (769, 22214), (777, 22244), (821, 22340), (831, 22373), (835, 22388), (879, 22529), (899, 22586), (945, 22697),

Gene: Lokk_31 Start: 21813, Stop: 23609, Start Num: 136

Candidate Starts for Lokk_31:
(Start: 136 @21813 has 48 MA's), (Start: 156 @21837 has 559 MA's), (281, 22020), (323, 22071), (325, 22074), (366, 22146), (367, 22149), (402, 22203), (421, 22242), (465, 22320), (508, 22407), (550, 22488), (556, 22491), (571, 22533), (635, 22677), (675, 22764), (689, 22803), (731, 22884), (777, 23016), (831, 23127), (835, 23142), (837, 23148), (855, 23202), (866, 23241), (869, 23256), (881, 23289), (899, 23340), (933, 23418), (943, 23445), (945, 23451), (968, 23505),

Gene: Lollipop1437_46 Start: 31458, Stop: 33080, Start Num: 202
Candidate Starts for Lollipop1437_46:
(Start: 202 @31458 has 36 MA's), (277, 31575), (406, 31815), (410, 31827), (417, 31842), (458, 31908), (469, 31923), (519, 32034), (535, 32064), (536, 32067), (562, 32124), (590, 32196), (654, 32280), (663, 32301), (704, 32388), (728, 32436), (773, 32562), (774, 32565), (785, 32598), (833, 32655), (885, 32784), (899, 32823), (952, 32928), (976, 32991), (980, 33003), (984, 33015), (986, 33024), (998, 33060),

Gene: Lolly9_19 Start: 17191, Stop: 18954, Start Num: 136
Candidate Starts for Lolly9_19:
(Start: 136 @17191 has 48 MA's), (Start: 161 @17218 has 14 MA's), (207, 17281), (241, 17329), (246, 17335), (269, 17371), (296, 17446), (Start: 303 @17470 has 11 MA's), (318, 17476), (346, 17533), (414, 17647), (419, 17659), (478, 17770), (556, 17914), (562, 17926), (674, 18148), (676, 18154), (695, 18211), (716, 18253), (724, 18262), (731, 18274), (762, 18349), (781, 18415), (784, 18427), (785, 18430), (826, 18478), (858, 18544), (881, 18622), (896, 18667), (915, 18712), (919, 18724), (951, 18787), (963, 18823), (969, 18838), (977, 18868), (979, 18874), (983, 18886), (985, 18895), (989, 18907),

Gene: LoneWolf_29 Start: 21342, Stop: 23132, Start Num: 156
Candidate Starts for LoneWolf_29:
(Start: 156 @21342 has 559 MA's), (323, 21576), (325, 21579), (366, 21651), (367, 21654), (376, 21669), (402, 21708), (406, 21714), (421, 21747), (430, 21765), (465, 21825), (479, 21858), (508, 21912), (550, 21993), (556, 21996), (603, 22122), (635, 22182), (669, 22245), (675, 22269), (731, 22389), (775, 22515), (781, 22533), (788, 22557), (821, 22617), (831, 22650), (835, 22665), (866, 22764), (867, 22767), (869, 22779), (899, 22863), (925, 22929), (943, 22968), (945, 22974), (964, 23019), (983, 23076), (984, 23079),

Gene: LonelyBoi_20 Start: 17718, Stop: 19424, Start Num: 157
Candidate Starts for LonelyBoi_20:
(Start: 137 @17694 has 45 MA's), (Start: 157 @17718 has 24 MA's), (238, 17823), (262, 17865), (302, 17940), (367, 18054), (445, 18201), (448, 18207), (475, 18252), (546, 18390), (577, 18465), (730, 18747), (737, 18768), (767, 18843), (809, 18930), (826, 18966), (835, 18999), (837, 19005), (868, 19071), (879, 19101), (945, 19263), (951, 19281), (990, 19392),

Gene: Looper_31 Start: 19093, Stop: 20880, Start Num: 156
Candidate Starts for Looper_31:
(110, 19027), (Start: 136 @19069 has 48 MA's), (Start: 156 @19093 has 559 MA's), (Start: 260 @19231 has 1 MA's), (285, 19288), (325, 19330), (344, 19366), (367, 19405), (409, 19474), (421, 19498), (449, 19552), (536, 19702), (556, 19747), (567, 19777), (579, 19813), (600, 19864), (613, 19900), (644, 19948), (671, 20008), (730, 20137), (762, 20215), (835, 20416), (837, 20422), (867, 20518), (929, 20683), (971, 20782),

Gene: Lopton_28 Start: 22455, Stop: 24257, Start Num: 159
Candidate Starts for Lopton_28:
(Start: 159 @22455 has 217 MA's), (Start: 176 @22476 has 45 MA's), (Start: 204 @22518 has 1 MA's), (237, 22563), (367, 22779), (395, 22824), (402, 22833), (421, 22872), (448, 22923), (449,

22926), (556, 23121), (581, 23190), (674, 23391), (675, 23394), (683, 23415), (730, 23511), (731, 23514), (733, 23520), (762, 23589), (767, 23607), (769, 23616), (777, 23646), (821, 23742), (831, 23775), (835, 23790), (879, 23931), (899, 23988), (945, 24099),

Gene: LordFarquaad_17 Start: 14751, Stop: 16460, Start Num: 216
Candidate Starts for LordFarquaad_17:
(115, 14616), (Start: 216 @14751 has 31 MA's), (304, 14940), (305, 14943), (347, 15018), (376, 15072), (417, 15141), (423, 15153), (469, 15231), (471, 15234), (526, 15366), (547, 15420), (571, 15471), (583, 15501), (613, 15561), (634, 15573), (663, 15609), (704, 15726), (714, 15744), (731, 15783), (768, 15879), (825, 15987), (931, 16263), (933, 16266), (951, 16314), (965, 16344),

Gene: Lorde_17 Start: 14628, Stop: 16337, Start Num: 142
Candidate Starts for Lorde_17:
(Start: 142 @14628 has 207 MA's), (215, 14715), (Start: 249 @14760 has 2 MA's), (258, 14784), (282, 14841), (299, 14889), (301, 14895), (309, 14913), (332, 14943), (390, 15048), (419, 15102), (422, 15108), (425, 15117), (434, 15129), (437, 15138), (450, 15162), (473, 15198), (475, 15204), (482, 15216), (535, 15237), (536, 15240), (539, 15249), (544, 15264), (546, 15270), (558, 15288), (564, 15303), (566, 15309), (572, 15327), (573, 15330), (580, 15345), (589, 15360), (591, 15366), (600, 15396), (605, 15414), (611, 15426), (614, 15432), (648, 15492), (653, 15504), (666, 15540), (670, 15552), (677, 15573), (700, 15627), (704, 15636), (715, 15660), (730, 15690), (806, 15795), (812, 15807), (825, 15843), (836, 15882), (847, 15921), (878, 16020), (885, 16041), (896, 16074), (911, 16104), (919, 16134), (924, 16143), (928, 16149), (944, 16164), (945, 16167), (953, 16188), (955, 16191), (973, 16233), (980, 16263), (992, 16305), (993, 16311),

Gene: Lorenzo_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Lorenzo_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Loser_31 Start: 21942, Stop: 23714, Start Num: 156
Candidate Starts for Loser_31:
(Start: 136 @21918 has 48 MA's), (Start: 156 @21942 has 559 MA's), (281, 22125), (323, 22176), (325, 22179), (366, 22251), (367, 22254), (402, 22308), (406, 22314), (421, 22347), (465, 22425), (469, 22431), (475, 22443), (508, 22512), (546, 22587), (550, 22593), (556, 22596), (571, 22638), (674, 22866), (675, 22869), (689, 22908), (723, 22974), (731, 22989), (777, 23121), (808, 23169), (828, 23220), (831, 23232), (835, 23247), (837, 23253), (855, 23307), (869, 23361), (899, 23445), (925, 23511), (943, 23550), (945, 23556),

Gene: Louie6_29 Start: 20466, Stop: 22262, Start Num: 156
Candidate Starts for Louie6_29:
(Start: 156 @20466 has 559 MA's), (Start: 204 @20523 has 1 MA's), (215, 20538), (238, 20571), (254, 20592), (259, 20607), (Start: 303 @20694 has 11 MA's), (323, 20706), (325, 20709), (367, 20784), (376, 20799), (400, 20835), (508, 21042), (567, 21156), (581, 21195), (615, 21282), (674, 21396), (683, 21420), (689, 21438), (731, 21519), (762, 21594), (767, 21612), (775, 21645), (777, 21651), (790, 21690), (820, 21744), (821, 21747), (828, 21768), (844, 21825), (899, 21993), (943, 22098), (945, 22104), (992, 22239),

Gene: LouisV14_18 Start: 16649, Stop: 18403, Start Num: 194

Candidate Starts for LouisV14_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Love_38 Start: 31747, Stop: 33510, Start Num: 111
Candidate Starts for Love_38:
(104, 31729), (Start: 111 @31747 has 74 MA's), (Start: 131 @31783 has 1 MA's), (238, 31921), (285, 32017), (289, 32026), (340, 32095), (367, 32146), (395, 32191), (406, 32206), (448, 32287), (475, 32332), (478, 32341), (535, 32431), (543, 32461), (550, 32476), (562, 32500), (571, 32530), (641, 32635), (689, 32752), (695, 32770), (699, 32785), (723, 32815), (730, 32827), (731, 32830), (740, 32857), (879, 33181), (880, 33184), (896, 33232), (909, 33259), (917, 33286), (943, 33340), (951, 33364), (952, 33367), (984, 33457), (1000, 33505),

Gene: Lowa_29 Start: 20371, Stop: 22167, Start Num: 156
Candidate Starts for Lowa_29:
(Start: 156 @20371 has 559 MA's), (Start: 204 @20428 has 1 MA's), (215, 20443), (238, 20476), (254, 20497), (259, 20512), (Start: 303 @20599 has 11 MA's), (323, 20611), (325, 20614), (367, 20689), (376, 20704), (400, 20740), (508, 20947), (567, 21061), (581, 21100), (615, 21187), (674, 21301), (683, 21325), (689, 21343), (731, 21424), (762, 21499), (767, 21517), (775, 21550), (777, 21556), (790, 21595), (820, 21649), (821, 21652), (828, 21673), (844, 21730), (899, 21898), (943, 22003), (945, 22009), (992, 22144),

Gene: Lozinak_48 Start: 29612, Stop: 31303, Start Num: 165
Candidate Starts for Lozinak_48:
(Start: 165 @29612 has 14 MA's), (207, 29672), (229, 29705), (Start: 249 @29735 has 2 MA's), (250, 29738), (317, 29897), (322, 29906), (392, 30035), (418, 30083), (591, 30296), (592, 30302), (600, 30326), (661, 30455), (666, 30476), (677, 30509), (754, 30707), (844, 30860), (875, 30959), (879, 30971), (882, 30980), (913, 31064), (981, 31211), (991, 31247),

Gene: Lton_17 Start: 14723, Stop: 16432, Start Num: 216
Candidate Starts for Lton_17:
(115, 14588), (Start: 216 @14723 has 31 MA's), (304, 14912), (305, 14915), (347, 14990), (376, 15044), (417, 15113), (469, 15203), (471, 15206), (526, 15338), (547, 15392), (583, 15473), (613, 15533), (631, 15539), (675, 15620), (704, 15698), (714, 15716), (731, 15755), (762, 15827), (764, 15830), (768, 15851), (875, 16085), (880, 16100), (894, 16142), (931, 16235), (933, 16238), (951, 16286), (965, 16316),

Gene: Luchador_30 Start: 20622, Stop: 22421, Start Num: 156
Candidate Starts for Luchador_30:
(Start: 153 @20619 has 9 MA's), (Start: 156 @20622 has 559 MA's), (259, 20757), (289, 20826), (325, 20859), (366, 20931), (367, 20934), (379, 20952), (406, 20994), (465, 21105), (484, 21150), (488, 21159), (508, 21192), (546, 21267), (550, 21273), (556, 21276), (575, 21336), (617, 21438), (669, 21525), (675, 21549), (689, 21588), (731, 21669), (803, 21867), (835, 21954), (837, 21960), (866, 22053), (943, 22257), (945, 22263),

Gene: Lucivia_28 Start: 20804, Stop: 22603, Start Num: 156
Candidate Starts for Lucivia_28:
(110, 20738), (Start: 136 @20780 has 48 MA's), (Start: 156 @20804 has 559 MA's), (Start: 196 @20846 has 2 MA's), (Start: 260 @20942 has 1 MA's), (269, 20957), (323, 21038), (325, 21041), (367,

21116), (376, 21131), (402, 21170), (406, 21176), (430, 21227), (465, 21287), (469, 21293), (508, 21374), (556, 21458), (603, 21584), (609, 21602), (622, 21629), (689, 21770), (723, 21836), (730, 21848), (731, 21851), (800, 22040), (813, 22067), (819, 22076), (824, 22097), (825, 22100), (831, 22121), (835, 22136), (842, 22160), (866, 22235), (869, 22250), (899, 22334), (943, 22439), (945, 22445), (968, 22499), (1000, 22598),

Gene: Lucky10_18 Start: 15185, Stop: 16897, Start Num: 157
Candidate Starts for Lucky10_18:
(Start: 157 @15185 has 24 MA's), (197, 15239), (264, 15341), (302, 15413), (346, 15494), (379, 15545), (395, 15578), (421, 15626), (445, 15674), (449, 15683), (475, 15725), (488, 15761), (523, 15803), (535, 15824), (537, 15830), (543, 15854), (567, 15905), (568, 15908), (577, 15938), (740, 16250), (767, 16316), (774, 16346), (826, 16439), (832, 16460), (835, 16472), (837, 16478), (839, 16484), (841, 16490), (868, 16544), (879, 16574), (904, 16643), (943, 16730), (945, 16736), (954, 16760), (967, 16787),

Gene: Lucky2013_34 Start: 25206, Stop: 26939, Start Num: 141
Candidate Starts for Lucky2013_34:
(Start: 141 @25206 has 37 MA's), (Start: 212 @25296 has 47 MA's), (215, 25299), (272, 25401), (296, 25467), (317, 25503), (334, 25533), (340, 25548), (385, 25632), (407, 25668), (420, 25695), (438, 25734), (457, 25767), (464, 25776), (536, 25833), (552, 25875), (586, 25950), (591, 25962), (611, 26022), (630, 26076), (650, 26106), (658, 26124), (662, 26133), (671, 26166), (675, 26178), (677, 26184), (691, 26223), (715, 26280), (819, 26430), (822, 26448), (835, 26490), (842, 26514), (843, 26517), (847, 26532), (858, 26562), (867, 26592), (885, 26649), (958, 26799), (998, 26925),

Gene: Lucyedi_29 Start: 20875, Stop: 22665, Start Num: 156
Candidate Starts for Lucyedi_29:
(110, 20809), (Start: 136 @20851 has 48 MA's), (Start: 156 @20875 has 559 MA's), (269, 21028), (323, 21109), (325, 21112), (366, 21184), (367, 21187), (379, 21205), (391, 21226), (402, 21241), (406, 21247), (465, 21358), (479, 21391), (508, 21445), (550, 21526), (556, 21529), (635, 21715), (669, 21778), (675, 21802), (689, 21841), (731, 21922), (775, 22048), (803, 22111), (835, 22198), (866, 22297), (881, 22345), (899, 22396), (943, 22501), (945, 22507), (968, 22561),

Gene: LugYA_31 Start: 20379, Stop: 22175, Start Num: 156
Candidate Starts for LugYA_31:
(Start: 156 @20379 has 559 MA's), (Start: 204 @20436 has 1 MA's), (215, 20451), (238, 20484), (254, 20505), (259, 20520), (Start: 303 @20607 has 11 MA's), (323, 20619), (325, 20622), (367, 20697), (376, 20712), (400, 20748), (508, 20955), (567, 21069), (581, 21108), (615, 21195), (674, 21309), (683, 21333), (689, 21351), (731, 21432), (762, 21507), (767, 21525), (775, 21558), (777, 21564), (790, 21603), (820, 21657), (821, 21660), (828, 21681), (844, 21738), (899, 21906), (943, 22011), (945, 22017), (992, 22152),

Gene: Luke_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Luke_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Lumos_19 Start: 17370, Stop: 19133, Start Num: 136

Candidate Starts for Lumos_19:
(Start: 136 @17370 has 48 MA's), (Start: 161 @17397 has 14 MA's), (207, 17460), (241, 17508), (246, 17514), (269, 17550), (296, 17625), (Start: 303 @17649 has 11 MA's), (318, 17655), (346, 17712), (414, 17826), (419, 17838), (478, 17949), (556, 18093), (562, 18105), (572, 18138), (674, 18327), (676, 18333), (695, 18390), (716, 18432), (724, 18441), (731, 18453), (762, 18528), (782, 18597), (785, 18609), (826, 18657), (858, 18723), (881, 18801), (896, 18846), (919, 18903), (951, 18966), (963, 19002), (969, 19017), (977, 19047), (979, 19053), (983, 19065), (985, 19074), (989, 19086),

Gene: Luna22_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Luna22_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: LunaStella_18 Start: 15370, Stop: 17073, Start Num: 150
Candidate Starts for LunaStella_18:
(Start: 129 @15346 has 1 MA's), (Start: 135 @15352 has 1 MA's), (Start: 138 @15358 has 1 MA's), (Start: 150 @15370 has 1 MA's), (155, 15376), (Start: 249 @15496 has 2 MA's), (258, 15520), (269, 15544), (299, 15625), (301, 15631), (309, 15649), (332, 15679), (425, 15853), (437, 15874), (438, 15877), (459, 15913), (482, 15952), (546, 16006), (558, 16024), (559, 16027), (564, 16039), (566, 16045), (580, 16081), (591, 16102), (596, 16120), (605, 16150), (611, 16162), (614, 16168), (648, 16228), (666, 16276), (683, 16321), (700, 16363), (704, 16372), (715, 16396), (730, 16426), (746, 16471), (806, 16531), (810, 16540), (812, 16543), (825, 16579), (848, 16660), (890, 16789), (896, 16810), (911, 16840), (919, 16870), (924, 16879), (928, 16885), (944, 16900), (945, 16903), (998, 17056),

Gene: Lunahalos_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Lunahalos_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: LunarLander_27 Start: 20985, Stop: 22787, Start Num: 159
Candidate Starts for LunarLander_27:
(Start: 159 @20985 has 217 MA's), (Start: 176 @21006 has 45 MA's), (Start: 204 @21048 has 1 MA's), (237, 21093), (367, 21309), (395, 21354), (402, 21363), (421, 21402), (448, 21453), (449, 21456), (556, 21651), (581, 21720), (674, 21921), (675, 21924), (683, 21945), (730, 22041), (731, 22044), (733, 22050), (762, 22119), (767, 22137), (769, 22146), (777, 22176), (821, 22272), (831, 22305), (835, 22320), (879, 22461), (899, 22518), (945, 22629),

Gene: Lunsford_28 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Lunsford_28:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400),

(550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Lutum_20 Start: 16428, Stop: 18125, Start Num: 156
Candidate Starts for Lutum_20:
(122, 16389), (Start: 156 @16428 has 559 MA's), (Start: 169 @16440 has 3 MA's), (Start: 195 @16479 has 1 MA's), (223, 16518), (238, 16539), (266, 16587), (271, 16596), (286, 16638), (323, 16674), (346, 16731), (377, 16779), (393, 16806), (473, 16947), (495, 17004), (506, 17022), (522, 17031), (525, 17037), (557, 17115), (570, 17151), (572, 17157), (579, 17178), (581, 17181), (602, 17232), (636, 17259), (637, 17262), (654, 17289), (666, 17316), (691, 17388), (710, 17427), (743, 17481), (761, 17523), (783, 17598), (824, 17661), (832, 17688), (833, 17691), (837, 17706), (875, 17790), (878, 17799), (879, 17802), (881, 17808), (885, 17820), (887, 17823), (897, 17853), (900, 17859), (909, 17880), (911, 17883), (933, 17937), (945, 17967), (948, 17976), (970, 18027), (980, 18060), (984, 18072), (989, 18090),

Gene: Lysidious_20 Start: 17174, Stop: 18820, Start Num: 227
Candidate Starts for Lysidious_20:
(203, 17138), (Start: 227 @17174 has 45 MA's), (283, 17276), (318, 17354), (321, 17357), (374, 17453), (396, 17492), (424, 17552), (435, 17573), (468, 17627), (475, 17642), (591, 17813), (600, 17843), (677, 18026), (686, 18050), (700, 18101), (739, 18194), (744, 18206), (765, 18251), (799, 18266), (843, 18398), (844, 18401), (875, 18500), (881, 18518), (899, 18569), (925, 18635), (963, 18698), (968, 18710),

Gene: MA5_27 Start: 19523, Stop: 21322, Start Num: 156
Candidate Starts for MA5_27:
(Start: 156 @19523 has 559 MA's), (Start: 204 @19583 has 1 MA's), (254, 19652), (Start: 260 @19670 has 1 MA's), (Start: 303 @19754 has 11 MA's), (323, 19766), (325, 19769), (367, 19844), (376, 19859), (379, 19862), (402, 19898), (475, 20033), (508, 20102), (567, 20216), (615, 20342), (674, 20456), (675, 20459), (683, 20480), (689, 20498), (731, 20579), (762, 20654), (767, 20672), (769, 20681), (775, 20705), (777, 20711), (782, 20726), (800, 20759), (820, 20804), (821, 20807), (828, 20828), (831, 20840), (899, 21053), (911, 21077), (943, 21158), (945, 21164), (992, 21299),

Gene: MAckerman_18 Start: 16746, Stop: 18515, Start Num: 136
Candidate Starts for MAckerman_18:
(Start: 103 @16683 has 1 MA's), (Start: 111 @16704 has 74 MA's), (Start: 119 @16719 has 3 MA's), (Start: 136 @16746 has 48 MA's), (207, 16839), (241, 16887), (246, 16893), (265, 16920), (266, 16923), (269, 16929), (295, 17001), (298, 17010), (318, 17034), (327, 17049), (342, 17079), (414, 17205), (417, 17214), (427, 17235), (435, 17250), (475, 17319), (488, 17355), (501, 17376), (542, 17445), (562, 17484), (636, 17622), (644, 17634), (674, 17709), (676, 17715), (683, 17733), (695, 17772), (712, 17805), (716, 17814), (724, 17823), (730, 17832), (731, 17835), (774, 17955), (785, 17991), (826, 18039), (830, 18051), (858, 18105), (888, 18201), (893, 18219), (895, 18225), (896, 18228), (912, 18261), (919, 18285), (951, 18348), (965, 18390), (977, 18429), (983, 18447), (989, 18468), (994, 18489),

Gene: MAnor_18 Start: 15425, Stop: 17119, Start Num: 151
Candidate Starts for MAnor_18:
(Start: 141 @15422 has 37 MA's), (Start: 151 @15425 has 50 MA's), (235, 15524), (241, 15536), (259, 15566), (271, 15587), (340, 15704), (400, 15806), (445, 15893), (462, 15923), (477, 15950), (495, 15995), (508, 16013), (525, 16028), (534, 16043), (553, 16100), (567, 16133), (571, 16145), (583, 16175), (620, 16232), (635, 16250), (652, 16280), (666, 16310), (688, 16373), (707, 16424), (731, 16460), (736, 16475), (744, 16493), (767, 16550), (832, 16679), (835, 16691), (878, 16790), (879,

16793), (885, 16811), (914, 16889), (925, 16916), (945, 16958), (994, 17105), (998, 17111),

Gene: MISSy_23 Start: 19258, Stop: 20937, Start Num: 147
Candidate Starts for MISSy_23:
(Start: 147 @19258 has 120 MA's), (Start: 212 @19342 has 47 MA's), (Start: 260 @19420 has 1 MA's), (296, 19507), (301, 19522), (332, 19570), (349, 19609), (405, 19696), (420, 19729), (437, 19765), (454, 19795), (457, 19801), (538, 19870), (561, 19900), (565, 19912), (566, 19915), (591, 19972), (650, 20104), (651, 20110), (675, 20176), (677, 20182), (686, 20206), (704, 20254), (715, 20278), (721, 20287), (754, 20362), (810, 20413), (819, 20428), (867, 20590), (875, 20617), (885, 20647), (926, 20752), (971, 20830), (980, 20866), (983, 20875), (992, 20908), (998, 20923),

Gene: MK4_27 Start: 19826, Stop: 21625, Start Num: 156
Candidate Starts for MK4_27:
(Start: 156 @19826 has 559 MA's), (Start: 204 @19886 has 1 MA's), (254, 19955), (Start: 303 @20057 has 11 MA's), (323, 20069), (325, 20072), (367, 20147), (376, 20162), (379, 20165), (402, 20201), (475, 20336), (508, 20405), (567, 20519), (615, 20645), (674, 20759), (675, 20762), (683, 20783), (689, 20801), (731, 20882), (762, 20957), (767, 20975), (769, 20984), (775, 21008), (777, 21014), (782, 21029), (790, 21053), (820, 21107), (821, 21110), (828, 21131), (831, 21143), (899, 21356), (911, 21380), (943, 21461), (945, 21467), (992, 21602),

Gene: MPhalcon_23 Start: 19252, Stop: 20931, Start Num: 147
Candidate Starts for MPhalcon_23:
(Start: 147 @19252 has 120 MA's), (Start: 212 @19336 has 47 MA's), (Start: 260 @19414 has 1 MA's), (296, 19501), (301, 19516), (332, 19564), (349, 19603), (405, 19690), (420, 19723), (437, 19759), (454, 19789), (457, 19795), (538, 19864), (561, 19894), (565, 19906), (566, 19909), (591, 19966), (650, 20098), (651, 20104), (675, 20170), (677, 20176), (686, 20200), (704, 20248), (715, 20272), (721, 20281), (754, 20356), (810, 20407), (819, 20422), (867, 20584), (875, 20611), (885, 20641), (926, 20746), (971, 20824), (980, 20860), (983, 20869), (992, 20902), (998, 20917),

Gene: MPlant7149_26 Start: 20687, Stop: 22489, Start Num: 159
Candidate Starts for MPlant7149_26:
(Start: 159 @20687 has 217 MA's), (Start: 176 @20708 has 45 MA's), (Start: 204 @20750 has 1 MA's), (237, 20795), (367, 21011), (395, 21056), (402, 21065), (421, 21104), (448, 21155), (449, 21158), (556, 21353), (581, 21422), (674, 21623), (675, 21626), (683, 21647), (730, 21743), (731, 21746), (733, 21752), (762, 21821), (767, 21839), (769, 21848), (777, 21878), (821, 21974), (831, 22007), (835, 22022), (879, 22163), (899, 22220), (945, 22331),

Gene: MScarn_20 Start: 15365, Stop: 17062, Start Num: 151
Candidate Starts for MScarn_20:
(122, 15335), (Start: 141 @15362 has 37 MA's), (Start: 151 @15365 has 50 MA's), (287, 15575), (395, 15743), (400, 15749), (430, 15809), (456, 15857), (462, 15866), (477, 15893), (488, 15923), (495, 15938), (525, 15971), (530, 15983), (543, 16019), (567, 16076), (571, 16088), (644, 16208), (655, 16229), (666, 16253), (731, 16403), (736, 16418), (744, 16436), (767, 16493), (832, 16622), (835, 16634), (841, 16652), (853, 16661), (878, 16733), (879, 16736), (881, 16742), (885, 16754), (925, 16859), (931, 16868), (945, 16901),

Gene: MaCh_28 Start: 20746, Stop: 22545, Start Num: 156
Candidate Starts for MaCh_28:
(110, 20680), (Start: 136 @20722 has 48 MA's), (Start: 156 @20746 has 559 MA's), (Start: 196 @20788 has 2 MA's), (Start: 260 @20884 has 1 MA's), (269, 20899), (323, 20980), (325, 20983), (366, 21055), (367, 21058), (376, 21073), (402, 21112), (406, 21118), (465, 21229), (469, 21235), (508, 21316), (556, 21400), (603, 21526), (609, 21544), (622, 21571), (689, 21712), (723, 21778), (730, 21790), (731, 21793), (774, 21916), (800, 21982), (813, 22009), (824, 22039), (825, 22042), (831,

22063), (835, 22078), (842, 22102), (866, 22177), (869, 22192), (899, 22276), (943, 22381), (945, 22387), (968, 22441), (1000, 22540),

Gene: MaVan_20 Start: 16710, Stop: 18404, Start Num: 151
Candidate Starts for MaVan_20:
(57, 16386), (Start: 151 @16710 has 50 MA's), (341, 16995), (342, 16998), (367, 17043), (377, 17058), (421, 17136), (445, 17181), (495, 17283), (525, 17316), (530, 17328), (534, 17331), (553, 17388), (567, 17421), (572, 17436), (598, 17502), (637, 17544), (644, 17553), (666, 17598), (688, 17661), (730, 17742), (736, 17760), (740, 17769), (744, 17778), (767, 17835), (769, 17844), (835, 17976), (853, 18003), (862, 18024), (878, 18075), (879, 18078), (914, 18174), (925, 18201), (931, 18210), (933, 18213), (945, 18243), (951, 18261), (972, 18306), (998, 18396),

Gene: Mabel_28 Start: 20807, Stop: 22606, Start Num: 156
Candidate Starts for Mabel_28:
(110, 20741), (Start: 136 @20783 has 48 MA's), (Start: 156 @20807 has 559 MA's), (Start: 196 @20849 has 2 MA's), (Start: 260 @20945 has 1 MA's), (269, 20960), (323, 21041), (325, 21044), (367, 21119), (376, 21134), (402, 21173), (406, 21179), (465, 21290), (469, 21296), (508, 21377), (556, 21461), (603, 21587), (609, 21605), (622, 21632), (689, 21773), (723, 21839), (730, 21851), (731, 21854), (774, 21977), (800, 22043), (813, 22070), (819, 22079), (824, 22100), (825, 22103), (831, 22124), (835, 22139), (842, 22163), (866, 22238), (869, 22253), (899, 22337), (943, 22442), (945, 22448), (968, 22502), (1000, 22601),

Gene: MacGully_50 Start: 31627, Stop: 33198, Start Num: 211
Candidate Starts for MacGully_50:
(Start: 211 @31627 has 16 MA's), (218, 31636), (256, 31690), (261, 31702), (277, 31717), (367, 31900), (388, 31933), (410, 31969), (419, 31987), (439, 32026), (458, 32050), (469, 32065), (511, 32149), (529, 32182), (536, 32197), (562, 32254), (564, 32263), (577, 32305), (581, 32311), (590, 32326), (600, 32356), (663, 32431), (686, 32476), (734, 32584), (773, 32689), (775, 32695), (786, 32728), (909, 32971), (948, 33043), (954, 33058), (984, 33142), (989, 33160), (996, 33184),

Gene: MacKat_24 Start: 17165, Stop: 18931, Start Num: 178
Candidate Starts for MacKat_24:
(Start: 178 @17165 has 139 MA's), (198, 17195), (284, 17354), (295, 17387), (311, 17417), (329, 17450), (335, 17462), (371, 17552), (400, 17594), (436, 17666), (441, 17675), (465, 17714), (484, 17759), (485, 17762), (491, 17780), (492, 17783), (527, 17837), (536, 17855), (551, 17897), (557, 17903), (567, 17930), (647, 18068), (656, 18086), (670, 18128), (676, 18146), (688, 18176), (702, 18203), (751, 18308), (821, 18467), (832, 18503), (841, 18533), (853, 18542), (879, 18617), (896, 18668), (983, 18863), (993, 18902), (994, 18905), (1004, 18923),

Gene: MacnCheese_23 Start: 17821, Stop: 19584, Start Num: 178
Candidate Starts for MacnCheese_23:
(Start: 171 @17812 has 28 MA's), (Start: 178 @17821 has 139 MA's), (255, 17923), (277, 17980), (295, 18031), (311, 18061), (325, 18085), (342, 18130), (441, 18325), (449, 18340), (484, 18409), (488, 18418), (491, 18430), (492, 18433), (536, 18505), (551, 18547), (557, 18553), (571, 18592), (587, 18628), (671, 18781), (707, 18868), (751, 18961), (774, 19036), (784, 19069), (816, 19099), (821, 19117), (835, 19165), (851, 19189), (863, 19216), (881, 19273), (896, 19318), (942, 19402), (948, 19420), (980, 19507), (983, 19516), (989, 19537), (993, 19555), (996, 19561), (1004, 19576),

Gene: Maco6_19 Start: 15263, Stop: 17113, Start Num: 139
Candidate Starts for Maco6_19:
(116, 15227), (Start: 139 @15263 has 4 MA's), (199, 15341), (241, 15401), (272, 15467), (291, 15518), (295, 15533), (296, 15536), (453, 15842), (482, 15899), (485, 15908), (498, 15947), (500, 15950), (525, 16013), (536, 16034), (563, 16097), (566, 16106), (571, 16121), (579, 16145), (651, 16256),

(666, 16295), (673, 16316), (686, 16352), (687, 16355), (707, 16397), (718, 16412), (721, 16418), (858, 16727), (860, 16736), (862, 16742), (866, 16754), (875, 16784), (881, 16802), (883, 16808), (942, 16928), (965, 16985), (991, 17072), (993, 17081),

Gene: MadKillah_57 Start: 33254, Stop: 34990, Start Num: 126
Candidate Starts for MadKillah_57:
(Start: 120 @33245 has 2 MA's), (Start: 126 @33254 has 26 MA's), (Start: 195 @33344 has 1 MA's), (266, 33461), (282, 33497), (291, 33518), (299, 33545), (301, 33551), (322, 33581), (336, 33605), (363, 33656), (437, 33794), (440, 33800), (472, 33851), (473, 33854), (482, 33872), (558, 33923), (566, 33944), (567, 33947), (589, 33995), (591, 34001), (605, 34049), (607, 34055), (611, 34061), (632, 34121), (648, 34145), (650, 34148), (666, 34193), (671, 34208), (674, 34217), (677, 34226), (693, 34271), (704, 34289), (721, 34322), (812, 34460), (820, 34481), (840, 34547), (848, 34577), (865, 34631), (878, 34673), (885, 34694), (892, 34715), (896, 34727), (907, 34748), (928, 34802), (971, 34880), (980, 34916), (986, 34937), (993, 34964),

Gene: MadMarie_29 Start: 20381, Stop: 22177, Start Num: 156
Candidate Starts for MadMarie_29:
(Start: 156 @20381 has 559 MA's), (Start: 204 @20438 has 1 MA's), (215, 20453), (254, 20507), (259, 20522), (Start: 303 @20609 has 11 MA's), (323, 20621), (325, 20624), (367, 20699), (376, 20714), (400, 20750), (508, 20957), (581, 21110), (615, 21197), (674, 21311), (683, 21335), (689, 21353), (731, 21434), (762, 21509), (767, 21527), (775, 21560), (777, 21566), (790, 21605), (820, 21659), (821, 21662), (828, 21683), (844, 21740), (899, 21908), (943, 22013), (945, 22019), (992, 22154),

Gene: MadamMonkfish_24 Start: 19164, Stop: 20843, Start Num: 147
Candidate Starts for MadamMonkfish_24:
(Start: 147 @19164 has 120 MA's), (Start: 212 @19248 has 47 MA's), (Start: 260 @19326 has 1 MA's), (296, 19413), (301, 19428), (332, 19476), (349, 19515), (405, 19602), (420, 19635), (437, 19671), (454, 19701), (457, 19707), (538, 19776), (561, 19806), (565, 19818), (566, 19821), (591, 19878), (650, 20010), (651, 20016), (675, 20082), (677, 20088), (686, 20112), (704, 20160), (715, 20184), (721, 20193), (754, 20268), (810, 20319), (819, 20334), (867, 20496), (875, 20523), (885, 20553), (926, 20658), (971, 20736), (980, 20772), (983, 20781), (992, 20814), (998, 20829),

Gene: Madeline_19 Start: 18062, Stop: 19660, Start Num: 213
Candidate Starts for Madeline_19:
(Start: 213 @18062 has 53 MA's), (356, 18311), (358, 18320), (367, 18338), (369, 18341), (406, 18395), (443, 18470), (479, 18539), (483, 18548), (488, 18560), (491, 18572), (509, 18611), (521, 18638), (526, 18647), (528, 18650), (583, 18680), (585, 18683), (613, 18740), (663, 18806), (690, 18884), (700, 18917), (714, 18941), (730, 18977), (768, 19079), (784, 19136), (822, 19181), (825, 19187), (836, 19226), (933, 19466), (965, 19544),

Gene: Madiba_17 Start: 14680, Stop: 16389, Start Num: 142
Candidate Starts for Madiba_17:
(Start: 142 @14680 has 207 MA's), (215, 14767), (Start: 249 @14812 has 2 MA's), (258, 14836), (299, 14941), (301, 14947), (309, 14965), (332, 14995), (390, 15100), (422, 15160), (434, 15181), (437, 15190), (450, 15214), (535, 15289), (539, 15301), (544, 15316), (546, 15322), (558, 15340), (564, 15355), (566, 15361), (573, 15382), (580, 15397), (582, 15400), (589, 15412), (591, 15418), (593, 15427), (605, 15466), (611, 15478), (614, 15484), (648, 15544), (653, 15556), (666, 15592), (670, 15604), (700, 15679), (704, 15688), (715, 15712), (730, 15742), (806, 15847), (812, 15859), (825, 15895), (835, 15931), (836, 15934), (847, 15973), (885, 16093), (896, 16126), (911, 16156), (919, 16186), (924, 16195), (928, 16201), (944, 16216), (945, 16219), (953, 16240), (955, 16243), (973, 16285), (980, 16315), (992, 16357),

Gene: MagicMan_19 Start: 16962, Stop: 18692, Start Num: 148

Candidate Starts for MagicMan_19:
(85, 16845), (122, 16929), (Start: 131 @16941 has 1 MA's), (Start: 148 @16962 has 5 MA's), (271, 17133), (Start: 303 @17199 has 11 MA's), (333, 17232), (341, 17253), (448, 17445), (484, 17517), (506, 17559), (535, 17595), (543, 17625), (553, 17649), (570, 17691), (579, 17718), (619, 17775), (622, 17781), (670, 17868), (825, 18228), (832, 18252), (837, 18270), (879, 18366), (948, 18540), (949, 18543), (954, 18555), (981, 18630), (989, 18657),

Gene: Magnar_27 Start: 20858, Stop: 22639, Start Num: 176
Candidate Starts for Magnar_27:
(Start: 159 @20837 has 217 MA's), (Start: 176 @20858 has 45 MA's), (Start: 204 @20900 has 1 MA's), (237, 20945), (367, 21161), (395, 21206), (402, 21215), (421, 21254), (448, 21305), (449, 21308), (556, 21503), (581, 21572), (674, 21773), (675, 21776), (683, 21797), (730, 21893), (731, 21896), (733, 21902), (762, 21971), (767, 21989), (769, 21998), (777, 22028), (821, 22124), (831, 22157), (835, 22172), (879, 22313), (899, 22370), (945, 22481), (1000, 22634),

Gene: Magnito_26 Start: 20589, Stop: 22391, Start Num: 159
Candidate Starts for Magnito_26:
(Start: 159 @20589 has 217 MA's), (Start: 176 @20610 has 45 MA's), (Start: 204 @20652 has 1 MA's), (237, 20697), (367, 20913), (395, 20958), (402, 20967), (421, 21006), (448, 21057), (449, 21060), (556, 21255), (581, 21324), (674, 21525), (675, 21528), (683, 21549), (730, 21645), (731, 21648), (733, 21654), (767, 21741), (769, 21750), (777, 21780), (821, 21876), (831, 21909), (835, 21924), (879, 22065), (899, 22122), (945, 22233),

Gene: Magsby_18 Start: 14986, Stop: 16695, Start Num: 147
Candidate Starts for Magsby_18:
(Start: 147 @14986 has 120 MA's), (Start: 171 @15013 has 28 MA's), (Start: 249 @15118 has 2 MA's), (252, 15130), (269, 15166), (290, 15217), (299, 15247), (301, 15253), (320, 15280), (324, 15286), (390, 15406), (419, 15460), (422, 15466), (432, 15484), (437, 15496), (438, 15499), (450, 15520), (475, 15562), (535, 15595), (558, 15646), (564, 15661), (580, 15703), (589, 15718), (591, 15724), (605, 15772), (616, 15796), (625, 15826), (648, 15850), (670, 15910), (674, 15922), (693, 15976), (700, 15985), (727, 16045), (730, 16048), (806, 16153), (810, 16162), (825, 16201), (866, 16339), (918, 16489), (919, 16492), (924, 16501), (944, 16522), (955, 16549), (971, 16585), (998, 16678),

Gene: Mahavrat_16 Start: 14801, Stop: 16510, Start Num: 142
Candidate Starts for Mahavrat_16:
(Start: 142 @14801 has 207 MA's), (215, 14888), (Start: 249 @14933 has 2 MA's), (258, 14957), (299, 15062), (301, 15068), (309, 15086), (332, 15116), (390, 15221), (419, 15275), (422, 15281), (434, 15302), (437, 15311), (450, 15335), (475, 15377), (535, 15410), (539, 15422), (544, 15437), (546, 15443), (558, 15461), (564, 15476), (566, 15482), (573, 15503), (580, 15518), (589, 15533), (591, 15539), (605, 15587), (611, 15599), (614, 15605), (648, 15665), (666, 15713), (670, 15725), (677, 15746), (700, 15800), (704, 15809), (715, 15833), (730, 15863), (806, 15968), (812, 15980), (825, 16016), (847, 16094), (911, 16277), (919, 16307), (924, 16316), (928, 16322), (944, 16337), (945, 16340), (953, 16361), (973, 16406), (992, 16478), (993, 16484),

Gene: Mahdia_18 Start: 14818, Stop: 16428, Start Num: 177
Candidate Starts for Mahdia_18:
(Start: 177 @14818 has 11 MA's), (Start: 185 @14827 has 10 MA's), (207, 14860), (244, 14911), (247, 14914), (324, 15091), (347, 15142), (418, 15265), (532, 15382), (567, 15421), (586, 15463), (611, 15535), (624, 15568), (628, 15580), (648, 15607), (653, 15619), (666, 15655), (669, 15658), (674, 15679), (691, 15724), (724, 15793), (726, 15796), (746, 15838), (753, 15856), (761, 15868), (835, 15982), (840, 15997), (842, 16006), (854, 16039), (858, 16054), (944, 16258), (948, 16273), (971, 16324), (984, 16372),

Gene: Mainiac_29 Start: 20372, Stop: 22168, Start Num: 156
Candidate Starts for Mainiac_29:
(Start: 156 @20372 has 559 MA's), (Start: 204 @20429 has 1 MA's), (215, 20444), (254, 20498), (259, 20513), (Start: 303 @20600 has 11 MA's), (323, 20612), (325, 20615), (367, 20690), (376, 20705), (400, 20741), (508, 20948), (581, 21101), (615, 21188), (674, 21302), (683, 21326), (689, 21344), (731, 21425), (762, 21500), (767, 21518), (775, 21551), (777, 21557), (790, 21596), (820, 21650), (821, 21653), (828, 21674), (844, 21731), (899, 21899), (943, 22004), (945, 22010), (992, 22145),

Gene: Majeke_19 Start: 16391, Stop: 18127, Start Num: 137
Candidate Starts for Majeke_19:
(Start: 137 @16391 has 45 MA's), (198, 16472), (201, 16475), (241, 16526), (272, 16589), (274, 16595), (290, 16634), (300, 16667), (317, 16691), (382, 16811), (387, 16826), (405, 16850), (407, 16856), (447, 16940), (473, 16982), (535, 17021), (538, 17027), (555, 17066), (558, 17072), (567, 17096), (591, 17150), (597, 17171), (621, 17231), (658, 17309), (670, 17348), (682, 17381), (704, 17447), (715, 17471), (726, 17495), (740, 17525), (746, 17537), (822, 17639), (827, 17651), (828, 17654), (830, 17660), (832, 17669), (865, 17777), (892, 17861), (937, 17960), (968, 18017), (983, 18068), (998, 18116),

Gene: MajorMajor_27 Start: 19074, Stop: 20864, Start Num: 156
Candidate Starts for MajorMajor_27:
(110, 19008), (Start: 136 @19050 has 48 MA's), (Start: 156 @19074 has 559 MA's), (Start: 260 @19212 has 1 MA's), (269, 19227), (323, 19308), (325, 19311), (366, 19383), (367, 19386), (402, 19440), (406, 19446), (414, 19464), (445, 19524), (465, 19557), (469, 19563), (484, 19602), (508, 19644), (550, 19725), (556, 19728), (575, 19788), (635, 19914), (674, 19998), (689, 20040), (712, 20091), (731, 20121), (775, 20247), (803, 20310), (831, 20382), (835, 20397), (842, 20421), (866, 20496), (869, 20511), (899, 20595), (943, 20700), (945, 20706), (951, 20724), (964, 20751), (968, 20760),

Gene: MakCheese_20 Start: 16078, Stop: 17757, Start Num: 241
Candidate Starts for MakCheese_20:
(189, 16009), (200, 16027), (Start: 222 @16051 has 16 MA's), (Start: 233 @16063 has 1 MA's), (241, 16078), (268, 16135), (307, 16237), (326, 16267), (337, 16291), (343, 16312), (436, 16498), (506, 16639), (534, 16669), (537, 16678), (539, 16684), (688, 16993), (745, 17122), (747, 17125), (762, 17158), (831, 17326), (833, 17332), (876, 17431), (899, 17500), (948, 17593), (1004, 17749),

Gene: Makemake_27 Start: 22305, Stop: 24107, Start Num: 159
Candidate Starts for Makemake_27:
(Start: 159 @22305 has 217 MA's), (Start: 176 @22326 has 45 MA's), (Start: 204 @22368 has 1 MA's), (237, 22413), (367, 22629), (395, 22674), (402, 22683), (421, 22722), (448, 22773), (449, 22776), (556, 22971), (581, 23040), (674, 23241), (675, 23244), (683, 23265), (730, 23361), (731, 23364), (733, 23370), (762, 23439), (767, 23457), (769, 23466), (777, 23496), (821, 23592), (831, 23625), (835, 23640), (879, 23781), (899, 23838), (945, 23949),

Gene: Malachai_20 Start: 17128, Stop: 18774, Start Num: 227
Candidate Starts for Malachai_20:
(203, 17092), (Start: 227 @17128 has 45 MA's), (283, 17230), (318, 17308), (374, 17407), (396, 17446), (435, 17527), (468, 17581), (475, 17596), (591, 17767), (600, 17797), (677, 17980), (686, 18004), (700, 18055), (739, 18148), (744, 18160), (765, 18205), (799, 18220), (843, 18352), (844, 18355), (875, 18454), (881, 18472), (899, 18523), (925, 18589), (963, 18652), (968, 18664),

Gene: MalagasyRose_24 Start: 16589, Stop: 18388, Start Num: 140
Candidate Starts for MalagasyRose_24:

(Start: 140 @16589 has 2 MA's), (Start: 181 @16640 has 15 MA's), (188, 16646), (191, 16649), (257, 16739), (Start: 260 @16748 has 1 MA's), (269, 16769), (277, 16790), (331, 16904), (346, 16943), (352, 16958), (355, 16961), (389, 17030), (427, 17102), (445, 17132), (449, 17141), (469, 17171), (473, 17177), (475, 17183), (484, 17210), (492, 17234), (527, 17282), (539, 17309), (569, 17381), (611, 17474), (627, 17486), (644, 17519), (647, 17522), (670, 17582), (687, 17630), (688, 17633), (730, 17714), (762, 17792), (769, 17819), (771, 17828), (835, 17969), (841, 17987), (896, 18122), (899, 18128), (927, 18185), (948, 18221), (980, 18308), (993, 18356), (1004, 18377),

Gene: Malec_29 Start: 20473, Stop: 22245, Start Num: 156
Candidate Starts for Malec_29:
(Start: 136 @20449 has 48 MA's), (Start: 156 @20473 has 559 MA's), (259, 20608), (269, 20626), (323, 20707), (325, 20710), (342, 20740), (366, 20782), (367, 20785), (402, 20839), (406, 20845), (436, 20908), (445, 20923), (465, 20956), (479, 20989), (508, 21043), (550, 21124), (556, 21127), (567, 21157), (675, 21400), (723, 21505), (731, 21520), (777, 21652), (831, 21763), (835, 21778), (837, 21784), (855, 21838), (866, 21877), (869, 21892), (881, 21925), (945, 22087), (968, 22141),

Gene: Malibo_20 Start: 16515, Stop: 18137, Start Num: 179
Candidate Starts for Malibo_20:
(Start: 169 @16500 has 3 MA's), (Start: 179 @16515 has 2 MA's), (210, 16560), (247, 16611), (296, 16734), (297, 16737), (361, 16857), (390, 16911), (398, 16923), (413, 16953), (418, 16962), (429, 16983), (446, 17016), (461, 17043), (566, 17112), (572, 17130), (586, 17157), (592, 17175), (593, 17178), (597, 17190), (611, 17229), (616, 17241), (642, 17292), (648, 17298), (676, 17376), (746, 17529), (761, 17559), (762, 17562), (806, 17589), (821, 17625), (834, 17667), (854, 17730), (858, 17745), (867, 17775), (878, 17811), (881, 17820), (916, 17919), (948, 17967), (983, 18063), (991, 18093), (998, 18111),

Gene: Maliketh_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Maliketh_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Malinsilva_31 Start: 20371, Stop: 22167, Start Num: 156
Candidate Starts for Malinsilva_31:
(Start: 156 @20371 has 559 MA's), (Start: 204 @20428 has 1 MA's), (215, 20443), (238, 20476), (254, 20497), (259, 20512), (Start: 303 @20599 has 11 MA's), (323, 20611), (325, 20614), (367, 20689), (376, 20704), (400, 20740), (508, 20947), (567, 21061), (581, 21100), (615, 21187), (674, 21301), (683, 21325), (689, 21343), (731, 21424), (762, 21499), (767, 21517), (775, 21550), (777, 21556), (790, 21595), (820, 21649), (821, 21652), (828, 21673), (844, 21730), (899, 21898), (943, 22003), (945, 22009), (992, 22144),

Gene: Malisha_21 Start: 18200, Stop: 19897, Start Num: 156
Candidate Starts for Malisha_21:
(122, 18161), (Start: 156 @18200 has 559 MA's), (Start: 169 @18212 has 3 MA's), (Start: 171 @18215 has 28 MA's), (223, 18290), (238, 18311), (256, 18338), (261, 18353), (266, 18359), (268, 18362), (273, 18374), (286, 18410), (Start: 303 @18434 has 11 MA's), (323, 18446), (346, 18503), (362, 18524), (377, 18551), (393, 18578), (414, 18614), (473, 18719), (495, 18776), (506, 18794), (522, 18803), (525, 18809), (543, 18857), (557, 18887), (570, 18923), (572, 18929), (579, 18950), (581, 18953), (636, 19031), (637, 19034), (654, 19061), (666, 19088), (691, 19160), (710, 19199), (743, 19253), (769, 19325), (783, 19370), (824, 19433), (832, 19460), (833, 19463), (837, 19478), (875,

19562), (878, 19571), (879, 19574), (881, 19580), (887, 19595), (897, 19625), (900, 19631), (909, 19652), (911, 19655), (933, 19709), (945, 19739), (948, 19748), (970, 19799), (980, 19832), (984, 19844), (989, 19862),

Gene: Malithi_19 Start: 16310, Stop: 18046, Start Num: 137
Candidate Starts for Malithi_19:
(Start: 121 @16286 has 6 MA's), (Start: 137 @16310 has 45 MA's), (Start: 186 @16370 has 1 MA's), (198, 16391), (201, 16394), (274, 16514), (290, 16553), (300, 16586), (317, 16610), (382, 16730), (405, 16769), (407, 16775), (447, 16859), (450, 16865), (457, 16877), (473, 16901), (485, 16928), (538, 16946), (555, 16985), (558, 16991), (567, 17015), (591, 17069), (594, 17081), (597, 17090), (621, 17150), (658, 17228), (670, 17267), (682, 17300), (704, 17366), (711, 17381), (715, 17390), (726, 17414), (740, 17444), (746, 17456), (822, 17558), (827, 17570), (828, 17573), (830, 17579), (832, 17588), (865, 17696), (892, 17780), (937, 17879), (983, 17987), (998, 18035),

Gene: Malthus_25 Start: 18546, Stop: 20333, Start Num: 178
Candidate Starts for Malthus_25:
(Start: 146 @18507 has 1 MA's), (Start: 171 @18537 has 28 MA's), (Start: 176 @18543 has 45 MA's), (Start: 178 @18546 has 139 MA's), (Start: 196 @18561 has 2 MA's), (228, 18603), (256, 18651), (272, 18690), (277, 18705), (284, 18723), (295, 18756), (311, 18786), (335, 18831), (342, 18849), (371, 18921), (376, 18927), (395, 18957), (397, 18960), (430, 19023), (436, 19035), (498, 19170), (509, 19188), (534, 19218), (536, 19224), (541, 19242), (557, 19272), (571, 19311), (647, 19437), (671, 19500), (751, 19701), (769, 19755), (782, 19800), (808, 19845), (821, 19869), (831, 19902), (841, 19935), (875, 20007), (879, 20019), (896, 20070), (899, 20076), (951, 20178), (993, 20304), (1004, 20325),

Gene: Maminiaina_29 Start: 21290, Stop: 23080, Start Num: 156
Candidate Starts for Maminiaina_29:
(Start: 136 @21266 has 48 MA's), (Start: 156 @21290 has 559 MA's), (323, 21524), (325, 21527), (366, 21599), (367, 21602), (376, 21617), (402, 21656), (406, 21662), (445, 21740), (465, 21773), (508, 21860), (550, 21941), (556, 21944), (603, 22070), (669, 22193), (671, 22205), (675, 22217), (677, 22223), (689, 22256), (731, 22337), (775, 22463), (800, 22517), (802, 22523), (821, 22565), (824, 22574), (831, 22598), (835, 22613), (842, 22637), (855, 22673), (866, 22712), (869, 22727), (899, 22811), (943, 22916), (945, 22922), (964, 22967), (983, 23024),

Gene: Manasvini_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Manasvini_19:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: Manatee_28 Start: 20835, Stop: 22637, Start Num: 159
Candidate Starts for Manatee_28:
(Start: 159 @20835 has 217 MA's), (Start: 176 @20856 has 45 MA's), (Start: 204 @20898 has 1 MA's), (237, 20943), (367, 21159), (395, 21204), (402, 21213), (421, 21252), (448, 21303), (449, 21306), (556, 21501), (581, 21570), (674, 21771), (675, 21774), (683, 21795), (730, 21891), (731, 21894), (733, 21900), (762, 21969), (767, 21987), (769, 21996), (777, 22026), (821, 22122), (831, 22155), (835, 22170), (879, 22311), (899, 22368), (945, 22479), (1000, 22632),

Gene: Manda_25 Start: 20231, Stop: 21910, Start Num: 147
Candidate Starts for Manda_25:

(Start: 147 @20231 has 120 MA's), (Start: 212 @20315 has 47 MA's), (Start: 260 @20393 has 1 MA's), (296, 20480), (301, 20495), (332, 20543), (349, 20582), (405, 20669), (420, 20702), (437, 20738), (454, 20768), (457, 20774), (538, 20843), (561, 20873), (565, 20885), (566, 20888), (591, 20945), (650, 21077), (651, 21083), (675, 21149), (677, 21155), (686, 21179), (704, 21227), (715, 21251), (721, 21260), (754, 21335), (810, 21386), (819, 21401), (867, 21563), (875, 21590), (885, 21620), (926, 21725), (971, 21803), (980, 21839), (983, 21848), (992, 21881), (998, 21896),

Gene: Mandlovu_16 Start: 14904, Stop: 16613, Start Num: 142
Candidate Starts for Mandlovu_16:
(Start: 142 @14904 has 207 MA's), (215, 14991), (Start: 249 @15036 has 2 MA's), (258, 15060), (299, 15165), (301, 15171), (309, 15189), (332, 15219), (390, 15324), (422, 15384), (434, 15405), (437, 15414), (450, 15438), (558, 15564), (564, 15579), (566, 15585), (580, 15621), (582, 15624), (589, 15636), (591, 15642), (605, 15690), (611, 15702), (614, 15708), (648, 15768), (653, 15780), (666, 15816), (670, 15828), (700, 15903), (704, 15912), (713, 15930), (715, 15936), (730, 15966), (806, 16071), (810, 16080), (812, 16083), (825, 16119), (847, 16197), (878, 16296), (885, 16317), (896, 16350), (911, 16380), (919, 16410), (924, 16419), (928, 16425), (944, 16440), (945, 16443), (955, 16467), (968, 16497), (973, 16509), (980, 16539), (992, 16581),

Gene: Mangethe_19 Start: 16391, Stop: 18127, Start Num: 137
Candidate Starts for Mangethe_19:
(Start: 137 @16391 has 45 MA's), (198, 16472), (201, 16475), (241, 16526), (272, 16589), (274, 16595), (290, 16634), (300, 16667), (317, 16691), (382, 16811), (387, 16826), (405, 16850), (407, 16856), (447, 16940), (473, 16982), (535, 17021), (538, 17027), (555, 17066), (558, 17072), (567, 17096), (591, 17150), (597, 17171), (621, 17231), (658, 17309), (670, 17348), (682, 17381), (704, 17447), (715, 17471), (726, 17495), (740, 17525), (746, 17537), (822, 17639), (827, 17651), (828, 17654), (830, 17660), (832, 17669), (865, 17777), (892, 17861), (937, 17960), (968, 18017), (983, 18068), (998, 18116),

Gene: Mantra_16 Start: 14903, Stop: 16612, Start Num: 142
Candidate Starts for Mantra_16:
(Start: 142 @14903 has 207 MA's), (215, 14990), (Start: 249 @15035 has 2 MA's), (258, 15059), (282, 15116), (299, 15164), (301, 15170), (309, 15188), (332, 15218), (390, 15323), (419, 15377), (422, 15383), (425, 15392), (437, 15413), (450, 15437), (473, 15473), (475, 15479), (535, 15512), (536, 15515), (539, 15524), (544, 15539), (546, 15545), (558, 15563), (564, 15578), (566, 15584), (572, 15602), (573, 15605), (580, 15620), (589, 15635), (591, 15641), (605, 15689), (611, 15701), (614, 15707), (648, 15767), (653, 15779), (666, 15815), (670, 15827), (700, 15902), (704, 15911), (713, 15929), (715, 15935), (730, 15965), (806, 16070), (812, 16082), (825, 16118), (847, 16196), (885, 16316), (896, 16349), (911, 16379), (913, 16391), (919, 16409), (922, 16415), (924, 16418), (928, 16424), (944, 16439), (945, 16442), (953, 16463), (955, 16466), (973, 16508), (980, 16538), (992, 16580), (993, 16586),

Gene: Manu_30 Start: 20460, Stop: 22256, Start Num: 156
Candidate Starts for Manu_30:
(Start: 156 @20460 has 559 MA's), (Start: 204 @20517 has 1 MA's), (215, 20532), (254, 20586), (259, 20601), (Start: 303 @20688 has 11 MA's), (323, 20700), (325, 20703), (367, 20778), (376, 20793), (508, 21036), (581, 21189), (615, 21276), (669, 21369), (674, 21390), (683, 21414), (687, 21426), (689, 21432), (731, 21513), (762, 21588), (767, 21606), (769, 21615), (775, 21639), (777, 21645), (782, 21660), (790, 21684), (820, 21738), (821, 21741), (828, 21762), (943, 22092), (945, 22098), (992, 22233),

Gene: MarQuardt_29 Start: 20380, Stop: 22176, Start Num: 156
Candidate Starts for MarQuardt_29:

(Start: 156 @20380 has 559 MA's), (Start: 204 @20437 has 1 MA's), (215, 20452), (238, 20485), (254, 20506), (259, 20521), (Start: 303 @20608 has 11 MA's), (323, 20620), (325, 20623), (367, 20698), (376, 20713), (400, 20749), (508, 20956), (567, 21070), (581, 21109), (615, 21196), (674, 21310), (683, 21334), (689, 21352), (731, 21433), (762, 21508), (767, 21526), (775, 21559), (777, 21565), (790, 21604), (820, 21658), (821, 21661), (828, 21682), (844, 21739), (899, 21907), (943, 22012), (945, 22018), (992, 22153),

Gene: Maravista_16 Start: 14752, Stop: 16461, Start Num: 142
Candidate Starts for Maravista_16:
(Start: 142 @14752 has 207 MA's), (215, 14839), (Start: 249 @14884 has 2 MA's), (258, 14908), (299, 15013), (301, 15019), (309, 15037), (332, 15067), (390, 15172), (422, 15232), (434, 15253), (437, 15262), (447, 15280), (450, 15286), (558, 15412), (564, 15427), (566, 15433), (580, 15469), (582, 15472), (589, 15484), (591, 15490), (605, 15538), (611, 15550), (614, 15556), (648, 15616), (653, 15628), (666, 15664), (670, 15676), (700, 15751), (704, 15760), (713, 15778), (715, 15784), (730, 15814), (806, 15919), (810, 15928), (812, 15931), (825, 15967), (847, 16045), (878, 16144), (885, 16165), (896, 16198), (911, 16228), (919, 16258), (924, 16267), (928, 16273), (944, 16288), (945, 16291), (955, 16315), (968, 16345), (973, 16357), (980, 16387), (992, 16429),

Gene: Marcell_27 Start: 21325, Stop: 23127, Start Num: 159
Candidate Starts for Marcell_27:
(Start: 159 @21325 has 217 MA's), (Start: 176 @21346 has 45 MA's), (Start: 204 @21388 has 1 MA's), (237, 21433), (367, 21649), (395, 21694), (402, 21703), (421, 21742), (448, 21793), (449, 21796), (556, 21991), (581, 22060), (674, 22261), (675, 22264), (683, 22285), (730, 22381), (731, 22384), (733, 22390), (762, 22459), (767, 22477), (769, 22486), (777, 22516), (821, 22612), (831, 22645), (835, 22660), (879, 22801), (899, 22858), (945, 22969), (1000, 23122),

Gene: Marchesa_27 Start: 19958, Stop: 21757, Start Num: 156
Candidate Starts for Marchesa_27:
(Start: 156 @19958 has 559 MA's), (Start: 204 @20018 has 1 MA's), (254, 20087), (Start: 303 @20189 has 11 MA's), (323, 20201), (325, 20204), (367, 20279), (376, 20294), (379, 20297), (402, 20333), (475, 20468), (508, 20537), (567, 20651), (615, 20777), (674, 20891), (683, 20915), (687, 20927), (689, 20933), (731, 21014), (762, 21089), (767, 21107), (769, 21116), (775, 21140), (777, 21146), (782, 21161), (803, 21203), (819, 21230), (820, 21239), (821, 21242), (828, 21263), (831, 21275), (899, 21488), (943, 21593), (945, 21599), (992, 21734),

Gene: Marchy_26 Start: 20630, Stop: 22432, Start Num: 159
Candidate Starts for Marchy_26:
(Start: 159 @20630 has 217 MA's), (Start: 176 @20651 has 45 MA's), (Start: 204 @20693 has 1 MA's), (237, 20738), (367, 20954), (395, 20999), (402, 21008), (421, 21047), (448, 21098), (449, 21101), (556, 21296), (581, 21365), (674, 21566), (675, 21569), (683, 21590), (730, 21686), (731, 21689), (733, 21695), (762, 21764), (767, 21782), (769, 21791), (777, 21821), (821, 21917), (831, 21950), (835, 21965), (879, 22106), (899, 22163), (945, 22274),

Gene: Marco3_27 Start: 21225, Stop: 23027, Start Num: 159
Candidate Starts for Marco3_27:
(Start: 159 @21225 has 217 MA's), (Start: 176 @21246 has 45 MA's), (Start: 204 @21288 has 1 MA's), (237, 21333), (367, 21549), (395, 21594), (402, 21603), (421, 21642), (448, 21693), (449, 21696), (556, 21891), (581, 21960), (674, 22161), (675, 22164), (683, 22185), (730, 22281), (731, 22284), (733, 22290), (762, 22359), (767, 22377), (769, 22386), (777, 22416), (821, 22512), (831, 22545), (835, 22560), (879, 22701), (899, 22758), (945, 22869),

Gene: Marcoliusprime_19 Start: 15013, Stop: 16782, Start Num: 176
Candidate Starts for Marcoliusprime_19:

(Start: 146 @14977 has 1 MA's), (Start: 171 @15007 has 28 MA's), (Start: 176 @15013 has 45 MA's), (Start: 195 @15028 has 1 MA's), (228, 15070), (256, 15118), (272, 15157), (277, 15172), (295, 15223), (311, 15253), (329, 15286), (335, 15298), (342, 15316), (371, 15388), (376, 15394), (430, 15490), (436, 15502), (488, 15604), (492, 15619), (509, 15655), (536, 15691), (557, 15739), (571, 15778), (579, 15802), (587, 15814), (647, 15904), (651, 15913), (751, 16159), (769, 16213), (784, 16267), (841, 16381), (853, 16390), (879, 16465), (896, 16516), (899, 16522), (943, 16603), (948, 16618), (972, 16672), (993, 16753), (1004, 16774),

Gene: Mareelih_99 Start: 59450, Stop: 61078, Start Num: 175
Candidate Starts for Mareelih_99:
(Start: 175 @59450 has 56 MA's), (187, 59465), (Start: 190 @59468 has 1 MA's), (210, 59495), (Start: 249 @59552 has 2 MA's), (263, 59588), (278, 59621), (291, 59651), (292, 59654), (324, 59723), (328, 59729), (416, 59894), (437, 59936), (442, 59945), (447, 59954), (452, 59966), (578, 60086), (648, 60239), (670, 60299), (733, 60446), (740, 60467), (746, 60482), (815, 60560), (819, 60566), (854, 60683), (858, 60698), (875, 60755), (885, 60785), (896, 60818), (956, 60938), (998, 61067),

Gene: Margaret_21 Start: 15469, Stop: 17157, Start Num: 151
Candidate Starts for Margaret_21:
(122, 15439), (Start: 141 @15466 has 37 MA's), (Start: 151 @15469 has 50 MA's), (223, 15553), (287, 15676), (323, 15709), (342, 15754), (430, 15910), (445, 15937), (462, 15967), (495, 16039), (525, 16069), (530, 16081), (541, 16108), (567, 16174), (598, 16255), (637, 16297), (644, 16306), (654, 16324), (672, 16369), (702, 16453), (727, 16489), (730, 16492), (731, 16495), (733, 16501), (736, 16510), (744, 16528), (767, 16585), (832, 16714), (835, 16726), (840, 16741), (853, 16753), (878, 16825), (879, 16828), (880, 16831), (885, 16846), (914, 16927), (945, 16996), (948, 17005), (992, 17134), (998, 17149),

Gene: Marge_28 Start: 21725, Stop: 23527, Start Num: 159
Candidate Starts for Marge_28:
(Start: 159 @21725 has 217 MA's), (Start: 176 @21746 has 45 MA's), (Start: 204 @21788 has 1 MA's), (237, 21833), (367, 22049), (395, 22094), (402, 22103), (421, 22142), (448, 22193), (449, 22196), (495, 22289), (556, 22391), (581, 22460), (674, 22661), (675, 22664), (683, 22685), (730, 22781), (731, 22784), (733, 22790), (762, 22859), (767, 22877), (769, 22886), (777, 22916), (821, 23012), (831, 23045), (835, 23060), (879, 23201), (899, 23258), (945, 23369), (1000, 23522),

Gene: Margo_28 Start: 20481, Stop: 22280, Start Num: 156
Candidate Starts for Margo_28:
(Start: 156 @20481 has 559 MA's), (Start: 204 @20541 has 1 MA's), (254, 20610), (Start: 303 @20712 has 11 MA's), (323, 20724), (325, 20727), (367, 20802), (376, 20817), (402, 20856), (475, 20991), (508, 21060), (567, 21174), (615, 21300), (674, 21414), (683, 21438), (687, 21450), (689, 21456), (731, 21537), (762, 21612), (767, 21630), (769, 21639), (775, 21663), (777, 21669), (782, 21684), (800, 21717), (820, 21762), (821, 21765), (828, 21786), (867, 21915), (899, 22011), (943, 22116), (945, 22122), (992, 22257),

Gene: Maridalia_18 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Maridalia_18:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: Marie_29 Start: 20378, Stop: 22174, Start Num: 156
Candidate Starts for Marie_29:

(Start: 156 @20378 has 559 MA's), (Start: 204 @20435 has 1 MA's), (215, 20450), (238, 20483), (254, 20504), (259, 20519), (Start: 303 @20606 has 11 MA's), (323, 20618), (325, 20621), (367, 20696), (376, 20711), (400, 20747), (508, 20954), (567, 21068), (581, 21107), (615, 21194), (674, 21308), (683, 21332), (689, 21350), (731, 21431), (762, 21506), (767, 21524), (775, 21557), (777, 21563), (790, 21602), (820, 21656), (821, 21659), (828, 21680), (844, 21737), (899, 21905), (943, 22010), (945, 22016), (992, 22151),

Gene: Marietta_43 Start: 27926, Stop: 29506, Start Num: 231
Candidate Starts for Marietta_43:
(Start: 202 @27890 has 36 MA's), (Start: 211 @27902 has 16 MA's), (Start: 231 @27926 has 1 MA's), (277, 28004), (367, 28187), (406, 28244), (410, 28256), (417, 28271), (458, 28337), (469, 28352), (481, 28376), (519, 28463), (522, 28469), (535, 28493), (562, 28553), (571, 28583), (577, 28604), (654, 28709), (663, 28730), (704, 28817), (728, 28865), (773, 28991), (785, 29027), (878, 29192), (884, 29210), (896, 29246), (976, 29420), (980, 29432), (998, 29489),

Gene: Marius_30 Start: 20460, Stop: 22256, Start Num: 156
Candidate Starts for Marius_30:
(Start: 156 @20460 has 559 MA's), (Start: 204 @20517 has 1 MA's), (215, 20532), (254, 20586), (259, 20601), (Start: 303 @20688 has 11 MA's), (323, 20700), (325, 20703), (367, 20778), (376, 20793), (508, 21036), (581, 21189), (615, 21276), (674, 21390), (683, 21414), (687, 21426), (689, 21432), (731, 21513), (762, 21588), (767, 21606), (769, 21615), (775, 21639), (777, 21645), (790, 21684), (820, 21738), (821, 21741), (828, 21762), (943, 22092), (945, 22098), (992, 22233),

Gene: MarkPhew_23 Start: 16287, Stop: 18053, Start Num: 178
Candidate Starts for MarkPhew_23:
(Start: 146 @16248 has 1 MA's), (Start: 171 @16278 has 28 MA's), (Start: 178 @16287 has 139 MA's), (198, 16317), (277, 16458), (295, 16509), (329, 16572), (371, 16674), (376, 16680), (395, 16710), (441, 16797), (465, 16836), (485, 16884), (491, 16902), (509, 16941), (512, 16944), (527, 16959), (534, 16971), (536, 16977), (541, 16995), (551, 17019), (557, 17025), (567, 17052), (647, 17190), (656, 17208), (724, 17370), (731, 17382), (751, 17430), (774, 17505), (784, 17538), (786, 17544), (821, 17589), (831, 17622), (833, 17628), (841, 17655), (879, 17739), (896, 17790), (948, 17889), (983, 17985), (1004, 18045),

Gene: Marker_17 Start: 14655, Stop: 16364, Start Num: 142
Candidate Starts for Marker_17:
(Start: 142 @14655 has 207 MA's), (215, 14742), (Start: 249 @14787 has 2 MA's), (258, 14811), (299, 14916), (301, 14922), (309, 14940), (332, 14970), (390, 15075), (422, 15135), (434, 15156), (437, 15165), (450, 15189), (535, 15264), (558, 15315), (564, 15330), (566, 15336), (580, 15372), (582, 15375), (589, 15387), (591, 15393), (605, 15441), (611, 15453), (614, 15459), (648, 15519), (653, 15531), (666, 15567), (670, 15579), (700, 15654), (704, 15663), (713, 15681), (715, 15687), (730, 15717), (806, 15822), (812, 15834), (825, 15870), (847, 15948), (878, 16047), (885, 16068), (896, 16101), (911, 16131), (919, 16161), (924, 16170), (928, 16176), (944, 16191), (945, 16194), (955, 16218), (973, 16260), (992, 16332),

Gene: Marleymoo_41 Start: 30187, Stop: 31920, Start Num: 141
Candidate Starts for Marleymoo_41:
(Start: 141 @30187 has 37 MA's), (Start: 212 @30277 has 47 MA's), (245, 30325), (317, 30484), (334, 30514), (385, 30613), (407, 30649), (409, 30655), (420, 30676), (457, 30748), (464, 30757), (475, 30778), (546, 30847), (566, 30886), (567, 30889), (572, 30904), (591, 30943), (605, 30991), (611, 31003), (614, 31009), (635, 31066), (650, 31087), (658, 31105), (673, 31153), (713, 31255), (746, 31327), (819, 31411), (821, 31423), (822, 31429), (827, 31441), (828, 31444), (839, 31483), (844, 31501), (857, 31537), (858, 31543), (885, 31630), (918, 31720), (948, 31762), (958, 31780), (969, 31810), (981, 31852), (998, 31906),

Gene: Marmie_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Marmie_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Maroc7_26 Start: 20829, Stop: 22631, Start Num: 159
Candidate Starts for Maroc7_26:
(Start: 159 @20829 has 217 MA's), (Start: 176 @20850 has 45 MA's), (Start: 204 @20892 has 1 MA's), (237, 20937), (367, 21153), (395, 21198), (402, 21207), (421, 21246), (448, 21297), (449, 21300), (556, 21495), (581, 21564), (674, 21765), (675, 21768), (683, 21789), (730, 21885), (731, 21888), (733, 21894), (762, 21963), (767, 21981), (769, 21990), (777, 22020), (821, 22116), (831, 22149), (835, 22164), (879, 22305), (899, 22362), (945, 22473),

Gene: Marsha_27 Start: 21951, Stop: 23753, Start Num: 159
Candidate Starts for Marsha_27:
(Start: 159 @21951 has 217 MA's), (Start: 176 @21972 has 45 MA's), (Start: 204 @22014 has 1 MA's), (237, 22059), (367, 22275), (395, 22320), (402, 22329), (421, 22368), (448, 22419), (449, 22422), (495, 22515), (556, 22617), (581, 22686), (674, 22887), (675, 22890), (683, 22911), (730, 23007), (731, 23010), (733, 23016), (762, 23085), (767, 23103), (769, 23112), (777, 23142), (821, 23238), (831, 23271), (835, 23286), (879, 23427), (899, 23484), (945, 23595),

Gene: Marshawn_24 Start: 16905, Stop: 18671, Start Num: 178
Candidate Starts for Marshawn_24:
(Start: 146 @16866 has 1 MA's), (Start: 171 @16896 has 28 MA's), (Start: 178 @16905 has 139 MA's), (Start: 181 @16911 has 15 MA's), (198, 16935), (272, 17061), (277, 17076), (284, 17094), (311, 17157), (329, 17190), (335, 17202), (342, 17220), (371, 17292), (417, 17370), (441, 17415), (448, 17427), (465, 17454), (491, 17520), (509, 17559), (512, 17562), (527, 17577), (534, 17589), (536, 17595), (551, 17637), (557, 17643), (647, 17808), (656, 17826), (676, 17886), (688, 17916), (702, 17943), (715, 17967), (724, 17988), (731, 18000), (751, 18048), (774, 18123), (786, 18162), (831, 18240), (833, 18246), (837, 18261), (841, 18273), (853, 18282), (879, 18357), (896, 18408), (948, 18507), (989, 18624), (993, 18642), (1004, 18663),

Gene: Marshmallow_24 Start: 19829, Stop: 21424, Start Num: 212
Candidate Starts for Marshmallow_24:
(Start: 147 @19745 has 120 MA's), (Start: 212 @19829 has 47 MA's), (Start: 260 @19907 has 1 MA's), (296, 19994), (301, 20009), (332, 20057), (349, 20096), (405, 20183), (420, 20216), (437, 20252), (454, 20282), (457, 20288), (538, 20357), (561, 20387), (565, 20399), (566, 20402), (591, 20459), (650, 20591), (651, 20597), (675, 20663), (677, 20669), (686, 20693), (704, 20741), (715, 20765), (721, 20774), (754, 20849), (810, 20900), (819, 20915), (867, 21077), (875, 21104), (885, 21134), (926, 21239), (971, 21317), (980, 21353), (983, 21362), (992, 21395), (998, 21410),

Gene: Marteena_20 Start: 17566, Stop: 19272, Start Num: 157
Candidate Starts for Marteena_20:
(Start: 137 @17542 has 45 MA's), (Start: 157 @17566 has 24 MA's), (238, 17671), (262, 17713), (302, 17788), (367, 17902), (445, 18049), (448, 18055), (475, 18100), (546, 18238), (577, 18313), (730, 18595), (737, 18616), (767, 18691), (809, 18778), (826, 18814), (835, 18847), (837, 18853), (868, 18919), (879, 18949), (943, 19105), (945, 19111), (951, 19129), (990, 19240),

Gene: Martik_16 Start: 14813, Stop: 16522, Start Num: 142
Candidate Starts for Martik_16:
(Start: 142 @14813 has 207 MA's), (215, 14900), (Start: 249 @14945 has 2 MA's), (258, 14969), (299, 15074), (301, 15080), (309, 15098), (332, 15128), (390, 15233), (419, 15287), (422, 15293), (425, 15302), (437, 15323), (450, 15347), (473, 15383), (475, 15389), (535, 15422), (536, 15425), (539, 15434), (544, 15449), (546, 15455), (558, 15473), (564, 15488), (566, 15494), (572, 15512), (573, 15515), (580, 15530), (589, 15545), (591, 15551), (605, 15599), (611, 15611), (614, 15617), (648, 15677), (653, 15689), (666, 15725), (670, 15737), (700, 15812), (704, 15821), (713, 15839), (715, 15845), (730, 15875), (806, 15980), (812, 15992), (825, 16028), (847, 16106), (885, 16226), (896, 16259), (911, 16289), (913, 16301), (919, 16319), (922, 16325), (924, 16328), (928, 16334), (944, 16349), (945, 16352), (953, 16373), (955, 16376), (973, 16418), (980, 16448), (992, 16490), (993, 16496),

Gene: Marvin_48 Start: 27400, Stop: 29112, Start Num: 175
Candidate Starts for Marvin_48:
(122, 27337), (Start: 175 @27400 has 56 MA's), (Start: 233 @27481 has 1 MA's), (266, 27538), (296, 27619), (298, 27625), (339, 27682), (342, 27694), (346, 27706), (367, 27745), (376, 27760), (417, 27829), (445, 27883), (449, 27892), (539, 28048), (562, 28096), (564, 28105), (567, 28114), (581, 28153), (590, 28168), (636, 28231), (644, 28243), (689, 28360), (690, 28363), (712, 28414), (729, 28441), (731, 28444), (738, 28465), (758, 28507), (820, 28627), (826, 28645), (881, 28789), (896, 28834), (905, 28852), (942, 28936), (951, 28963), (961, 28984), (977, 29029), (979, 29035), (983, 29047), (986, 29059), (992, 29080), (998, 29095), (1002, 29101),

Gene: MaryBeth_27 Start: 21259, Stop: 23061, Start Num: 159
Candidate Starts for MaryBeth_27:
(Start: 159 @21259 has 217 MA's), (Start: 176 @21280 has 45 MA's), (Start: 204 @21322 has 1 MA's), (237, 21367), (367, 21583), (395, 21628), (402, 21637), (448, 21727), (449, 21730), (495, 21823), (556, 21925), (581, 21994), (670, 22183), (674, 22195), (675, 22198), (683, 22219), (730, 22315), (731, 22318), (733, 22324), (762, 22393), (767, 22411), (769, 22420), (777, 22450), (821, 22546), (831, 22579), (835, 22594), (879, 22735), (899, 22792), (945, 22903),

Gene: MaryV_40 Start: 25250, Stop: 27634, Start Num: 20
Candidate Starts for MaryV_40:
(Start: 20 @25250 has 5 MA's), (31, 25367), (35, 25388), (36, 25391), (39, 25421), (41, 25427), (44, 25436), (59, 25526), (63, 25562), (65, 25580), (68, 25607), (69, 25619), (71, 25628), (79, 25691), (88, 25727), (102, 25763), (Start: 103 @25766 has 1 MA's), (105, 25772), (Start: 147 @25844 has 120 MA's), (173, 25874), (221, 25943), (223, 25946), (265, 26033), (273, 26051), (274, 26054), (295, 26114), (323, 26153), (343, 26195), (346, 26204), (348, 26210), (359, 26225), (366, 26240), (395, 26288), (445, 26384), (471, 26426), (473, 26429), (562, 26606), (567, 26624), (572, 26639), (575, 26654), (588, 26675), (600, 26708), (610, 26717), (635, 26747), (657, 26786), (670, 26828), (674, 26840), (675, 26843), (695, 26903), (730, 26963), (746, 27008), (764, 27044), (782, 27110), (824, 27164), (826, 27170), (858, 27236), (915, 27407), (929, 27431), (977, 27551), (984, 27572), (986, 27581), (998, 27617),

Gene: MarysWell_23 Start: 19695, Stop: 21503, Start Num: 144
Candidate Starts for MarysWell_23:
(Start: 144 @19695 has 2 MA's), (Start: 156 @19707 has 559 MA's), (241, 19812), (Start: 260 @19845 has 1 MA's), (325, 19944), (367, 20019), (376, 20034), (400, 20070), (436, 20142), (445, 20157), (469, 20196), (479, 20223), (519, 20283), (567, 20391), (575, 20421), (579, 20427), (644, 20562), (670, 20619), (671, 20622), (674, 20631), (689, 20673), (694, 20691), (730, 20751), (731, 20754), (767, 20847), (769, 20856), (775, 20880), (820, 20988), (831, 21024), (899, 21234), (942, 21336), (945, 21345), (986, 21459), (992, 21480), (994, 21489),

Gene: Maselop_45 Start: 31376, Stop: 32950, Start Num: 211
Candidate Starts for Maselop_45:
(Start: 211 @31376 has 16 MA's), (218, 31385), (256, 31439), (268, 31463), (277, 31466), (419, 31736), (458, 31799), (469, 31814), (529, 31931), (536, 31946), (562, 32003), (564, 32012), (577, 32054), (590, 32075), (600, 32105), (655, 32162), (690, 32237), (734, 32333), (773, 32438), (774, 32441), (783, 32468), (837, 32546), (861, 32585), (915, 32741), (954, 32807),

Gene: Matteo_17 Start: 14694, Stop: 16403, Start Num: 216
Candidate Starts for Matteo_17:
(100, 14523), (115, 14559), (Start: 216 @14694 has 31 MA's), (278, 14811), (304, 14883), (305, 14886), (327, 14922), (347, 14961), (417, 15084), (427, 15105), (469, 15174), (471, 15177), (526, 15309), (547, 15363), (583, 15444), (613, 15504), (631, 15510), (704, 15669), (714, 15687), (722, 15702), (731, 15726), (762, 15798), (764, 15801), (768, 15822), (875, 16056), (880, 16071), (894, 16113), (931, 16206), (933, 16209), (951, 16257), (965, 16287), (971, 16299),

Gene: Mattes_16 Start: 14804, Stop: 16513, Start Num: 142
Candidate Starts for Mattes_16:
(Start: 142 @14804 has 207 MA's), (215, 14891), (Start: 249 @14936 has 2 MA's), (258, 14960), (282, 15017), (299, 15065), (301, 15071), (309, 15089), (332, 15119), (390, 15224), (419, 15278), (422, 15284), (425, 15293), (437, 15314), (450, 15338), (473, 15374), (475, 15380), (535, 15413), (536, 15416), (539, 15425), (544, 15440), (546, 15446), (558, 15464), (564, 15479), (566, 15485), (572, 15503), (573, 15506), (580, 15521), (589, 15536), (591, 15542), (605, 15590), (611, 15602), (614, 15608), (648, 15668), (653, 15680), (666, 15716), (670, 15728), (700, 15803), (704, 15812), (713, 15830), (715, 15836), (730, 15866), (806, 15971), (812, 15983), (825, 16019), (847, 16097), (885, 16217), (896, 16250), (911, 16280), (913, 16292), (919, 16310), (922, 16316), (924, 16319), (928, 16325), (944, 16340), (945, 16343), (953, 16364), (955, 16367), (973, 16409), (980, 16439), (992, 16481), (993, 16487),

Gene: Maverick_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Maverick_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Maxo_27 Start: 19825, Stop: 21603, Start Num: 156
Candidate Starts for Maxo_27:
(Start: 136 @19801 has 48 MA's), (Start: 156 @19825 has 559 MA's), (Start: 204 @19882 has 1 MA's), (241, 19936), (254, 19951), (Start: 260 @19969 has 1 MA's), (Start: 303 @20053 has 11 MA's), (323, 20065), (325, 20068), (367, 20143), (376, 20158), (402, 20197), (465, 20314), (508, 20401), (550, 20482), (572, 20530), (581, 20554), (615, 20641), (644, 20686), (675, 20758), (683, 20779), (689, 20797), (731, 20878), (767, 20971), (769, 20980), (775, 21004), (777, 21010), (784, 21034), (821, 21088), (828, 21109), (842, 21160), (850, 21184), (867, 21238), (899, 21334), (943, 21439), (948, 21454), (987, 21562), (992, 21580),

Gene: Maxxinista_25 Start: 19297, Stop: 20892, Start Num: 212
Candidate Starts for Maxxinista_25:
(Start: 147 @19213 has 120 MA's), (Start: 212 @19297 has 47 MA's), (Start: 260 @19375 has 1 MA's), (296, 19462), (301, 19477), (332, 19525), (349, 19564), (405, 19651), (420, 19684), (437, 19720), (454, 19750), (457, 19756), (538, 19825), (561, 19855), (565, 19867), (566, 19870), (591,

19927), (650, 20059), (651, 20065), (675, 20131), (677, 20137), (686, 20161), (704, 20209), (715, 20233), (721, 20242), (754, 20317), (810, 20368), (819, 20383), (867, 20545), (875, 20572), (885, 20602), (926, 20707), (971, 20785), (980, 20821), (983, 20830), (992, 20863), (998, 20878),

Gene: Mayonnaise_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Mayonnaise_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (430, 20256), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Mayweather_19 Start: 16040, Stop: 17734, Start Num: 151
Candidate Starts for Mayweather_19:
(Start: 141 @16037 has 37 MA's), (Start: 151 @16040 has 50 MA's), (235, 16139), (259, 16181), (271, 16202), (340, 16319), (400, 16421), (445, 16508), (462, 16538), (477, 16565), (495, 16610), (508, 16628), (525, 16643), (534, 16658), (553, 16715), (567, 16748), (571, 16760), (583, 16790), (620, 16847), (635, 16865), (652, 16895), (666, 16925), (671, 16940), (688, 16988), (707, 17039), (731, 17075), (736, 17090), (744, 17108), (767, 17165), (832, 17294), (835, 17306), (878, 17405), (879, 17408), (885, 17426), (909, 17486), (914, 17504), (925, 17531), (945, 17573), (994, 17720), (998, 17726),

Gene: Mazhar510_27 Start: 19828, Stop: 21606, Start Num: 156
Candidate Starts for Mazhar510_27:
(Start: 136 @19804 has 48 MA's), (Start: 156 @19828 has 559 MA's), (Start: 204 @19885 has 1 MA's), (241, 19939), (254, 19954), (Start: 260 @19972 has 1 MA's), (Start: 303 @20056 has 11 MA's), (323, 20068), (325, 20071), (367, 20146), (376, 20161), (402, 20200), (465, 20317), (508, 20404), (550, 20485), (572, 20533), (581, 20557), (615, 20644), (644, 20689), (675, 20761), (683, 20782), (689, 20800), (731, 20881), (767, 20974), (769, 20983), (775, 21007), (777, 21013), (784, 21037), (821, 21091), (828, 21112), (842, 21163), (850, 21187), (867, 21241), (899, 21337), (943, 21442), (948, 21457), (987, 21565), (992, 21583),

Gene: Mbo4_17 Start: 15757, Stop: 17310, Start Num: 213
Candidate Starts for Mbo4_17:
(115, 15625), (Start: 213 @15757 has 53 MA's), (369, 16027), (395, 16066), (455, 16177), (528, 16333), (634, 16435), (663, 16471), (674, 16507), (704, 16594), (714, 16612), (725, 16639), (746, 16690), (866, 16933), (965, 17194), (972, 17209), (986, 17263),

Gene: McFly_31 Start: 19976, Stop: 21748, Start Num: 156
Candidate Starts for McFly_31:
(110, 19910), (Start: 136 @19952 has 48 MA's), (Start: 156 @19976 has 559 MA's), (286, 20174), (325, 20213), (366, 20285), (367, 20288), (379, 20306), (402, 20342), (406, 20348), (465, 20459), (469, 20465), (484, 20504), (508, 20546), (536, 20585), (550, 20627), (556, 20630), (575, 20690), (684, 20927), (689, 20942), (731, 21023), (777, 21155), (835, 21281), (852, 21332), (855, 21341), (866, 21380), (867, 21383), (869, 21395), (899, 21479), (943, 21584), (945, 21590), (992, 21725),

Gene: McGuire_28 Start: 21127, Stop: 22929, Start Num: 159
Candidate Starts for McGuire_28:
(Start: 159 @21127 has 217 MA's), (Start: 176 @21148 has 45 MA's), (Start: 204 @21190 has 1 MA's), (237, 21235), (367, 21451), (395, 21496), (402, 21505), (448, 21595), (449, 21598), (495, 21691), (556, 21793), (581, 21862), (674, 22063), (675, 22066), (683, 22087), (730, 22183), (731,

22186), (733, 22192), (762, 22261), (767, 22279), (769, 22288), (777, 22318), (821, 22414), (831, 22447), (835, 22462), (879, 22603), (899, 22660), (945, 22771), (1000, 22924),

Gene: McKinley_37 Start: 31773, Stop: 33536, Start Num: 111
Candidate Starts for McKinley_37:
(104, 31755), (Start: 111 @31773 has 74 MA's), (Start: 131 @31809 has 1 MA's), (238, 31947), (285, 32043), (289, 32052), (340, 32121), (367, 32172), (395, 32217), (406, 32232), (448, 32313), (475, 32358), (478, 32367), (535, 32457), (543, 32487), (550, 32502), (562, 32526), (571, 32556), (641, 32661), (689, 32778), (695, 32796), (699, 32811), (723, 32841), (730, 32853), (731, 32856), (740, 32883), (879, 33207), (880, 33210), (896, 33258), (909, 33285), (917, 33312), (943, 33366), (952, 33393), (1000, 33531),

Gene: McMater_23 Start: 16514, Stop: 18280, Start Num: 178
Candidate Starts for McMater_23:
(Start: 171 @16505 has 28 MA's), (Start: 178 @16514 has 139 MA's), (Start: 181 @16520 has 15 MA's), (198, 16544), (228, 16583), (272, 16670), (277, 16685), (284, 16703), (295, 16736), (371, 16901), (395, 16937), (436, 17015), (441, 17024), (491, 17129), (492, 17132), (512, 17171), (534, 17198), (536, 17204), (551, 17246), (557, 17252), (567, 17279), (647, 17417), (656, 17435), (688, 17525), (702, 17552), (721, 17585), (751, 17657), (769, 17711), (779, 17747), (786, 17771), (821, 17816), (831, 17849), (835, 17864), (841, 17882), (853, 17891), (879, 17966), (896, 18017), (899, 18023), (951, 18125), (993, 18251), (994, 18254), (1004, 18272),

Gene: McSinger_28 Start: 21519, Stop: 23321, Start Num: 159
Candidate Starts for McSinger_28:
(Start: 159 @21519 has 217 MA's), (Start: 176 @21540 has 45 MA's), (Start: 204 @21582 has 1 MA's), (237, 21627), (367, 21843), (395, 21888), (402, 21897), (421, 21936), (448, 21987), (449, 21990), (556, 22185), (581, 22254), (674, 22455), (675, 22458), (683, 22479), (730, 22575), (731, 22578), (733, 22584), (762, 22653), (767, 22671), (769, 22680), (777, 22710), (821, 22806), (831, 22839), (835, 22854), (879, 22995), (899, 23052), (945, 23163), (1000, 23316),

Gene: Mcklovin_20 Start: 20071, Stop: 21651, Start Num: 213
Candidate Starts for Mcklovin_20:
(123, 19954), (Start: 213 @20071 has 53 MA's), (358, 20329), (369, 20350), (406, 20404), (423, 20443), (455, 20500), (469, 20521), (585, 20692), (592, 20710), (606, 20734), (631, 20755), (663, 20797), (691, 20878), (730, 20968), (768, 21070), (769, 21073), (784, 21127), (836, 21217), (948, 21496), (951, 21505), (965, 21535),

Gene: Mdavu_19 Start: 16685, Stop: 18451, Start Num: 178
Candidate Starts for Mdavu_19:
(Start: 178 @16685 has 139 MA's), (Start: 181 @16691 has 15 MA's), (198, 16715), (272, 16841), (277, 16856), (284, 16874), (311, 16937), (371, 17072), (376, 17078), (436, 17186), (441, 17195), (491, 17300), (534, 17369), (536, 17375), (547, 17411), (557, 17423), (579, 17486), (647, 17588), (656, 17606), (670, 17648), (671, 17651), (721, 17756), (751, 17828), (784, 17936), (786, 17942), (821, 17987), (837, 18041), (853, 18062), (879, 18137), (896, 18188), (948, 18287), (954, 18302), (971, 18338), (983, 18383), (993, 18422), (994, 18425), (1004, 18443),

Gene: MeaningOfLife_23 Start: 17124, Stop: 18890, Start Num: 178
Candidate Starts for MeaningOfLife_23:
(Start: 178 @17124 has 139 MA's), (198, 17154), (284, 17313), (295, 17346), (311, 17376), (329, 17409), (335, 17421), (371, 17511), (400, 17553), (436, 17625), (441, 17634), (465, 17673), (484, 17718), (491, 17739), (492, 17742), (527, 17796), (536, 17814), (551, 17856), (557, 17862), (567, 17889), (647, 18027), (656, 18045), (670, 18087), (676, 18105), (688, 18135), (702, 18162), (751, 18267), (821, 18426), (832, 18462), (841, 18492), (853, 18501), (879, 18576), (896, 18627), (983,

18822), (993, 18861), (994, 18864), (1004, 18882),

Gene: Medusa_27 Start: 19828, Stop: 21606, Start Num: 156
Candidate Starts for Medusa_27:
(Start: 136 @19804 has 48 MA's), (Start: 156 @19828 has 559 MA's), (Start: 204 @19885 has 1 MA's), (241, 19939), (254, 19954), (Start: 260 @19972 has 1 MA's), (Start: 303 @20056 has 11 MA's), (323, 20068), (325, 20071), (367, 20146), (376, 20161), (402, 20200), (465, 20317), (508, 20404), (550, 20485), (572, 20533), (581, 20557), (615, 20644), (644, 20689), (675, 20761), (683, 20782), (689, 20800), (731, 20881), (767, 20974), (769, 20983), (775, 21007), (777, 21013), (784, 21037), (821, 21091), (828, 21112), (842, 21163), (850, 21187), (867, 21241), (899, 21337), (943, 21442), (948, 21457), (987, 21565), (992, 21583),

Gene: MeeZee_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for MeeZee_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Megiddo_19 Start: 16273, Stop: 18009, Start Num: 137
Candidate Starts for Megiddo_19:
(Start: 121 @16249 has 6 MA's), (Start: 137 @16273 has 45 MA's), (Start: 186 @16333 has 1 MA's), (198, 16354), (201, 16357), (274, 16477), (290, 16516), (300, 16549), (317, 16573), (382, 16693), (405, 16732), (407, 16738), (447, 16822), (450, 16828), (457, 16840), (473, 16864), (485, 16891), (538, 16909), (555, 16948), (558, 16954), (567, 16978), (591, 17032), (594, 17044), (597, 17053), (621, 17113), (658, 17191), (670, 17230), (682, 17263), (704, 17329), (715, 17353), (726, 17377), (740, 17407), (822, 17521), (827, 17533), (830, 17542), (832, 17551), (865, 17659), (892, 17743), (937, 17842), (983, 17950), (998, 17998),

Gene: Megsy_23 Start: 17125, Stop: 18891, Start Num: 178
Candidate Starts for Megsy_23:
(Start: 178 @17125 has 139 MA's), (198, 17155), (284, 17314), (295, 17347), (311, 17377), (329, 17410), (335, 17422), (371, 17512), (400, 17554), (431, 17617), (436, 17626), (441, 17635), (465, 17674), (484, 17719), (491, 17740), (492, 17743), (536, 17815), (551, 17857), (557, 17863), (567, 17890), (647, 18028), (656, 18046), (670, 18088), (676, 18106), (688, 18136), (702, 18163), (751, 18268), (821, 18427), (832, 18463), (841, 18493), (853, 18502), (879, 18577), (896, 18628), (983, 18823), (993, 18862), (994, 18865), (1004, 18883),

Gene: MelBins_34 Start: 29286, Stop: 30911, Start Num: 183
Candidate Starts for MelBins_34:
(Start: 183 @29286 has 17 MA's), (193, 29298), (215, 29331), (221, 29340), (230, 29352), (Start: 249 @29382 has 2 MA's), (261, 29415), (296, 29499), (300, 29511), (341, 29586), (373, 29646), (390, 29676), (567, 29883), (578, 29913), (597, 29958), (601, 29970), (621, 30018), (648, 30066), (674, 30138), (687, 30171), (688, 30174), (706, 30213), (724, 30252), (761, 30339), (762, 30342), (826, 30420), (843, 30480), (858, 30525), (881, 30606), (901, 30660), (944, 30741), (948, 30756), (992, 30885), (998, 30900),

Gene: Melba_19 Start: 16650, Stop: 18296, Start Num: 227
Candidate Starts for Melba_19:

(203, 16614), (Start: 227 @16650 has 45 MA's), (283, 16752), (318, 16830), (321, 16833), (374, 16929), (396, 16968), (435, 17049), (468, 17103), (475, 17118), (591, 17289), (600, 17319), (677, 17502), (686, 17526), (687, 17529), (700, 17577), (739, 17670), (744, 17682), (765, 17727), (799, 17742), (843, 17874), (844, 17877), (875, 17976), (881, 17994), (899, 18045), (925, 18111), (963, 18174), (968, 18186),

Gene: Melissauren88_16 Start: 14837, Stop: 16546, Start Num: 142
Candidate Starts for Melissauren88_16:
(Start: 142 @14837 has 207 MA's), (215, 14924), (Start: 249 @14969 has 2 MA's), (258, 14993), (299, 15098), (301, 15104), (309, 15122), (332, 15152), (390, 15257), (422, 15317), (434, 15338), (437, 15347), (447, 15365), (450, 15371), (558, 15497), (564, 15512), (566, 15518), (580, 15554), (582, 15557), (589, 15569), (591, 15575), (605, 15623), (611, 15635), (614, 15641), (648, 15701), (653, 15713), (666, 15749), (670, 15761), (700, 15836), (704, 15845), (713, 15863), (715, 15869), (730, 15899), (806, 16004), (810, 16013), (812, 16016), (825, 16052), (847, 16130), (878, 16229), (885, 16250), (896, 16283), (911, 16313), (919, 16343), (924, 16352), (928, 16358), (944, 16373), (945, 16376), (955, 16400), (968, 16430), (973, 16442), (980, 16472), (992, 16514),

Gene: Mellie_18 Start: 16411, Stop: 18057, Start Num: 227
Candidate Starts for Mellie_18:
(203, 16375), (Start: 227 @16411 has 45 MA's), (283, 16513), (318, 16591), (321, 16594), (374, 16690), (396, 16729), (424, 16789), (435, 16810), (468, 16864), (475, 16879), (560, 16975), (591, 17050), (600, 17080), (677, 17263), (686, 17287), (700, 17338), (739, 17431), (744, 17443), (765, 17488), (799, 17503), (843, 17635), (844, 17638), (875, 17737), (881, 17755), (899, 17806), (921, 17866), (925, 17872), (963, 17935), (968, 17947),

Gene: Melville_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Melville_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Melvin_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Melvin_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Mendokysei_18 Start: 16790, Stop: 18496, Start Num: 175
Candidate Starts for Mendokysei_18:
(48, 16388), (50, 16403), (52, 16412), (56, 16436), (77, 16583), (101, 16682), (Start: 133 @16745 has 1 MA's), (Start: 175 @16790 has 56 MA's), (223, 16856), (Start: 303 @17021 has 11 MA's), (325, 17036), (343, 17075), (344, 17078), (366, 17120), (367, 17123), (409, 17189), (412, 17195), (534, 17411), (562, 17474), (595, 17564), (636, 17609), (669, 17675), (674, 17696), (675, 17699), (691, 17744), (758, 17885), (825, 18020), (826, 18023), (837, 18062), (896, 18212), (912, 18248), (973,

18392), (977, 18413), (985, 18440), (998, 18479),

Gene: MerCougar_42 Start: 30743, Stop: 32359, Start Num: 202
Candidate Starts for MerCougar_42:
(Start: 202 @30743 has 36 MA's), (277, 30857), (313, 30941), (417, 31124), (458, 31190), (469, 31205), (481, 31229), (482, 31232), (519, 31316), (535, 31346), (557, 31397), (562, 31406), (567, 31424), (576, 31454), (590, 31478), (654, 31562), (663, 31583), (687, 31631), (704, 31670), (728, 31718), (773, 31844), (785, 31880), (861, 31991), (881, 32054), (885, 32066), (968, 32243), (980, 32285), (998, 32342),

Gene: Mercurio_20 Start: 17337, Stop: 19148, Start Num: 135
Candidate Starts for Mercurio_20:
(21, 16770), (107, 17289), (112, 17307), (Start: 135 @17337 has 1 MA's), (256, 17487), (277, 17541), (295, 17592), (311, 17622), (325, 17646), (357, 17724), (400, 17799), (536, 18069), (539, 18078), (557, 18117), (571, 18156), (583, 18186), (609, 18240), (647, 18282), (702, 18423), (751, 18528), (762, 18555), (790, 18648), (831, 18720), (862, 18783), (867, 18798), (874, 18822), (896, 18888), (948, 18987), (983, 19083), (996, 19128),

Gene: MetalQZJ_27 Start: 21259, Stop: 23061, Start Num: 159
Candidate Starts for MetalQZJ_27:
(Start: 159 @21259 has 217 MA's), (Start: 176 @21280 has 45 MA's), (Start: 204 @21322 has 1 MA's), (237, 21367), (367, 21583), (395, 21628), (402, 21637), (448, 21727), (449, 21730), (495, 21823), (556, 21925), (581, 21994), (670, 22183), (674, 22195), (675, 22198), (683, 22219), (730, 22315), (731, 22318), (733, 22324), (762, 22393), (767, 22411), (769, 22420), (777, 22450), (821, 22546), (831, 22579), (835, 22594), (879, 22735), (899, 22792), (945, 22903),

Gene: Methuselah_28 Start: 20462, Stop: 22258, Start Num: 156
Candidate Starts for Methuselah_28:
(Start: 156 @20462 has 559 MA's), (Start: 204 @20519 has 1 MA's), (215, 20534), (238, 20567), (254, 20588), (259, 20603), (Start: 303 @20690 has 11 MA's), (323, 20702), (325, 20705), (367, 20780), (376, 20795), (400, 20831), (508, 21038), (567, 21152), (581, 21191), (615, 21278), (674, 21392), (683, 21416), (689, 21434), (731, 21515), (762, 21590), (767, 21608), (775, 21641), (777, 21647), (790, 21686), (820, 21740), (821, 21743), (828, 21764), (844, 21821), (899, 21989), (943, 22094), (945, 22100), (992, 22235),

Gene: Meyran_21 Start: 18916, Stop: 20562, Start Num: 225
Candidate Starts for Meyran_21:
(97, 18715), (124, 18775), (Start: 194 @18868 has 44 MA's), (Start: 219 @18904 has 2 MA's), (Start: 225 @18916 has 3 MA's), (277, 19030), (280, 19036), (297, 19084), (345, 19180), (347, 19186), (411, 19297), (415, 19306), (428, 19333), (432, 19339), (434, 19342), (444, 19363), (565, 19534), (566, 19537), (592, 19603), (597, 19618), (626, 19702), (636, 19711), (661, 19753), (666, 19774), (683, 19822), (687, 19834), (695, 19861), (726, 19930), (759, 19999), (806, 20032), (828, 20089), (843, 20140), (864, 20209), (881, 20260), (893, 20296), (899, 20311), (920, 20368), (926, 20377), (953, 20416), (969, 20455), (972, 20461),

Gene: MiaZeal_34 Start: 24890, Stop: 26623, Start Num: 141
Candidate Starts for MiaZeal_34:
(Start: 141 @24890 has 37 MA's), (Start: 212 @24980 has 47 MA's), (215, 24983), (258, 25058), (272, 25085), (296, 25151), (317, 25187), (334, 25217), (340, 25232), (385, 25316), (407, 25352), (420, 25379), (438, 25418), (457, 25451), (464, 25460), (536, 25517), (552, 25559), (586, 25634), (591, 25646), (611, 25706), (630, 25760), (650, 25790), (658, 25808), (662, 25817), (671, 25850), (675, 25862), (677, 25868), (691, 25907), (715, 25964), (819, 26114), (822, 26132), (835, 26174), (842, 26198), (843, 26201), (847, 26216), (858, 26246), (867, 26276), (885, 26333), (958, 26483), (994,

26603), (998, 26609),

Gene: Micasa_24 Start: 19633, Stop: 21429, Start Num: 156
Candidate Starts for Micasa_24:
(Start: 156 @19633 has 559 MA's), (241, 19738), (Start: 260 @19771 has 1 MA's), (325, 19870), (367, 19945), (376, 19960), (400, 19996), (436, 20068), (445, 20083), (469, 20122), (575, 20347), (579, 20353), (644, 20488), (670, 20545), (671, 20548), (674, 20557), (689, 20599), (694, 20617), (730, 20677), (731, 20680), (767, 20773), (769, 20782), (775, 20806), (820, 20914), (831, 20950), (899, 21160), (942, 21262), (945, 21271), (992, 21406), (994, 21415),

Gene: MichaelScott_20 Start: 17703, Stop: 19283, Start Num: 213
Candidate Starts for MichaelScott_20:
(123, 17586), (Start: 213 @17703 has 53 MA's), (358, 17961), (369, 17982), (406, 18036), (423, 18075), (455, 18132), (469, 18153), (585, 18324), (592, 18342), (606, 18366), (631, 18387), (663, 18429), (691, 18510), (730, 18600), (747, 18645), (768, 18702), (769, 18705), (784, 18759), (836, 18849), (948, 19128), (951, 19137), (965, 19167),

Gene: MichelleMyBell_18 Start: 14987, Stop: 16696, Start Num: 147
Candidate Starts for MichelleMyBell_18:
(Start: 147 @14987 has 120 MA's), (Start: 171 @15014 has 28 MA's), (Start: 249 @15119 has 2 MA's), (252, 15131), (269, 15167), (290, 15218), (296, 15239), (299, 15248), (301, 15254), (317, 15275), (324, 15287), (419, 15461), (422, 15467), (432, 15485), (437, 15497), (438, 15500), (450, 15521), (535, 15596), (544, 15623), (558, 15647), (559, 15650), (564, 15662), (580, 15704), (589, 15719), (591, 15725), (593, 15734), (605, 15773), (625, 15827), (648, 15851), (670, 15911), (693, 15977), (700, 15986), (704, 15995), (727, 16046), (730, 16049), (806, 16154), (825, 16202), (835, 16238), (844, 16268), (866, 16340), (919, 16493), (924, 16502), (944, 16523), (948, 16538), (955, 16550), (971, 16586), (973, 16592),

Gene: Michley_27 Start: 21004, Stop: 22806, Start Num: 159
Candidate Starts for Michley_27:
(Start: 159 @21004 has 217 MA's), (Start: 176 @21025 has 45 MA's), (Start: 204 @21067 has 1 MA's), (237, 21112), (367, 21328), (395, 21373), (402, 21382), (421, 21421), (448, 21472), (449, 21475), (556, 21670), (581, 21739), (674, 21940), (675, 21943), (683, 21964), (730, 22060), (731, 22063), (733, 22069), (762, 22138), (767, 22156), (769, 22165), (777, 22195), (821, 22291), (831, 22324), (835, 22339), (879, 22480), (899, 22537), (945, 22648),

Gene: Microwolf_29 Start: 20380, Stop: 22176, Start Num: 156
Candidate Starts for Microwolf_29:
(Start: 156 @20380 has 559 MA's), (Start: 204 @20437 has 1 MA's), (215, 20452), (238, 20485), (254, 20506), (259, 20521), (Start: 303 @20608 has 11 MA's), (323, 20620), (325, 20623), (367, 20698), (376, 20713), (400, 20749), (508, 20956), (567, 21070), (581, 21109), (615, 21196), (674, 21310), (683, 21334), (689, 21352), (731, 21433), (762, 21508), (767, 21526), (775, 21559), (777, 21565), (790, 21604), (820, 21658), (821, 21661), (828, 21682), (844, 21739), (899, 21907), (943, 22012), (945, 22018), (992, 22153),

Gene: MiculUcigas_28 Start: 20213, Stop: 21985, Start Num: 156
Candidate Starts for MiculUcigas_28:
(Start: 136 @20189 has 48 MA's), (Start: 156 @20213 has 559 MA's), (259, 20348), (323, 20447), (325, 20450), (366, 20522), (367, 20525), (402, 20579), (406, 20585), (436, 20648), (465, 20696), (479, 20729), (508, 20783), (550, 20864), (556, 20867), (567, 20897), (635, 21053), (675, 21140), (731, 21260), (774, 21383), (775, 21386), (777, 21392), (808, 21440), (831, 21503), (835, 21518), (837, 21524), (855, 21578), (866, 21617), (869, 21632), (881, 21665), (943, 21821), (945, 21827), (968, 21881),

Gene: MicyPS_17 Start: 17411, Stop: 19057, Start Num: 179
Candidate Starts for MicyPS_17:
(Start: 179 @17411 has 2 MA's), (325, 17636), (346, 17678), (469, 17888), (508, 17969), (531, 17999), (562, 18065), (577, 18116), (595, 18152), (731, 18395), (740, 18422), (761, 18467), (776, 18524), (833, 18620), (881, 18737), (984, 19001), (990, 19022), (1000, 19049),

Gene: Midas2_24 Start: 19707, Stop: 21503, Start Num: 156
Candidate Starts for Midas2_24:
(Start: 144 @19695 has 2 MA's), (Start: 156 @19707 has 559 MA's), (241, 19812), (Start: 260 @19845 has 1 MA's), (325, 19944), (367, 20019), (376, 20034), (400, 20070), (436, 20142), (445, 20157), (469, 20196), (575, 20421), (579, 20427), (644, 20562), (670, 20619), (671, 20622), (674, 20631), (689, 20673), (694, 20691), (730, 20751), (731, 20754), (767, 20847), (769, 20856), (775, 20880), (820, 20988), (831, 21024), (899, 21234), (942, 21336), (945, 21345), (992, 21480), (994, 21489),

Gene: Miko_31 Start: 21807, Stop: 23579, Start Num: 156
Candidate Starts for Miko_31:
(Start: 136 @21783 has 48 MA's), (Start: 156 @21807 has 559 MA's), (281, 21990), (323, 22041), (325, 22044), (366, 22116), (367, 22119), (402, 22173), (465, 22290), (508, 22377), (542, 22437), (550, 22458), (556, 22461), (571, 22503), (635, 22647), (675, 22734), (689, 22773), (731, 22854), (777, 22986), (831, 23097), (835, 23112), (837, 23118), (855, 23172), (866, 23211), (869, 23226), (881, 23259), (899, 23310), (933, 23388), (943, 23415), (945, 23421), (968, 23475),

Gene: MilanaBonita_17 Start: 15476, Stop: 17185, Start Num: 142
Candidate Starts for MilanaBonita_17:
(Start: 142 @15476 has 207 MA's), (215, 15563), (Start: 249 @15608 has 2 MA's), (258, 15632), (299, 15737), (301, 15743), (309, 15761), (332, 15791), (390, 15896), (422, 15956), (434, 15977), (437, 15986), (450, 16010), (558, 16136), (564, 16151), (566, 16157), (580, 16193), (582, 16196), (589, 16208), (591, 16214), (605, 16262), (611, 16274), (614, 16280), (648, 16340), (653, 16352), (666, 16388), (670, 16400), (700, 16475), (704, 16484), (713, 16502), (715, 16508), (730, 16538), (806, 16643), (810, 16652), (812, 16655), (820, 16676), (825, 16691), (844, 16757), (847, 16769), (878, 16868), (885, 16889), (896, 16922), (911, 16952), (919, 16982), (924, 16991), (928, 16997), (944, 17012), (945, 17015), (955, 17039), (968, 17069), (973, 17081), (980, 17111), (992, 17153),

Gene: Milcery_24 Start: 19663, Stop: 21459, Start Num: 156
Candidate Starts for Milcery_24:
(Start: 156 @19663 has 559 MA's), (241, 19768), (Start: 260 @19801 has 1 MA's), (325, 19900), (367, 19975), (376, 19990), (400, 20026), (436, 20098), (445, 20113), (469, 20152), (479, 20179), (488, 20200), (519, 20239), (575, 20377), (579, 20383), (644, 20518), (670, 20575), (671, 20578), (674, 20587), (689, 20629), (694, 20647), (730, 20707), (731, 20710), (767, 20803), (769, 20812), (775, 20836), (820, 20944), (831, 20980), (899, 21190), (942, 21292), (945, 21301), (986, 21415), (992, 21436), (994, 21445),

Gene: Miley16_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for Miley16_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: MilleniumForce_17 Start: 15620, Stop: 17329, Start Num: 142

Candidate Starts for MilleniumForce_17:
(Start: 142 @15620 has 207 MA's), (215, 15707), (Start: 249 @15752 has 2 MA's), (258, 15776), (299, 15881), (301, 15887), (309, 15905), (332, 15935), (390, 16040), (422, 16100), (434, 16121), (437, 16130), (450, 16154), (558, 16280), (564, 16295), (566, 16301), (580, 16337), (582, 16340), (589, 16352), (591, 16358), (605, 16406), (611, 16418), (614, 16424), (648, 16484), (653, 16496), (666, 16532), (670, 16544), (700, 16619), (704, 16628), (713, 16646), (715, 16652), (730, 16682), (806, 16787), (810, 16796), (812, 16799), (825, 16835), (847, 16913), (878, 17012), (885, 17033), (896, 17066), (911, 17096), (919, 17126), (924, 17135), (928, 17141), (944, 17156), (945, 17159), (955, 17183), (968, 17213), (973, 17225), (980, 17255), (992, 17297),

Gene: Millski_26 Start: 19830, Stop: 21608, Start Num: 156
Candidate Starts for Millski_26:
(Start: 136 @19806 has 48 MA's), (Start: 156 @19830 has 559 MA's), (Start: 204 @19887 has 1 MA's), (241, 19941), (254, 19956), (Start: 260 @19974 has 1 MA's), (Start: 303 @20058 has 11 MA's), (323, 20070), (325, 20073), (367, 20148), (376, 20163), (402, 20202), (465, 20319), (508, 20406), (550, 20487), (572, 20535), (581, 20559), (615, 20646), (644, 20691), (675, 20763), (683, 20784), (689, 20802), (731, 20883), (767, 20976), (769, 20985), (775, 21009), (777, 21015), (784, 21039), (821, 21093), (828, 21114), (842, 21165), (850, 21189), (867, 21243), (899, 21339), (943, 21444), (948, 21459), (987, 21567), (992, 21585),

Gene: Milly_19 Start: 15013, Stop: 16782, Start Num: 176
Candidate Starts for Milly_19:
(Start: 146 @14977 has 1 MA's), (Start: 171 @15007 has 28 MA's), (Start: 176 @15013 has 45 MA's), (Start: 195 @15028 has 1 MA's), (228, 15070), (256, 15118), (272, 15157), (277, 15172), (295, 15223), (311, 15253), (329, 15286), (335, 15298), (342, 15316), (371, 15388), (376, 15394), (430, 15490), (436, 15502), (488, 15604), (492, 15619), (509, 15655), (536, 15691), (557, 15739), (571, 15778), (579, 15802), (587, 15814), (647, 15904), (651, 15913), (751, 16159), (769, 16213), (784, 16267), (841, 16381), (853, 16390), (879, 16465), (896, 16516), (899, 16522), (943, 16603), (948, 16618), (972, 16672), (993, 16753), (1004, 16774),

Gene: Mindy_24 Start: 19608, Stop: 21203, Start Num: 212
Candidate Starts for Mindy_24:
(Start: 147 @19524 has 120 MA's), (Start: 212 @19608 has 47 MA's), (Start: 260 @19686 has 1 MA's), (296, 19773), (301, 19788), (332, 19836), (349, 19875), (405, 19962), (420, 19995), (437, 20031), (454, 20061), (457, 20067), (538, 20136), (561, 20166), (565, 20178), (566, 20181), (591, 20238), (650, 20370), (651, 20376), (675, 20442), (677, 20448), (686, 20472), (704, 20520), (715, 20544), (721, 20553), (754, 20628), (810, 20679), (819, 20694), (867, 20856), (875, 20883), (885, 20913), (926, 21018), (971, 21096), (980, 21132), (983, 21141), (992, 21174), (998, 21189),

Gene: MinecraftSteve_31 Start: 19215, Stop: 21002, Start Num: 156
Candidate Starts for MinecraftSteve_31:
(110, 19149), (Start: 136 @19191 has 48 MA's), (Start: 156 @19215 has 559 MA's), (Start: 260 @19353 has 1 MA's), (285, 19410), (325, 19452), (344, 19488), (367, 19527), (409, 19596), (421, 19620), (449, 19674), (536, 19824), (556, 19869), (567, 19899), (579, 19935), (600, 19986), (613, 20022), (644, 20070), (671, 20130), (730, 20259), (762, 20337), (835, 20538), (837, 20544), (867, 20640), (929, 20805), (971, 20904),

Gene: Minerva_37 Start: 28330, Stop: 30328, Start Num: 141
Candidate Starts for Minerva_37:
(Start: 141 @28330 has 37 MA's), (Start: 212 @28420 has 47 MA's), (245, 28468), (258, 28498), (272, 28525), (317, 28627), (334, 28657), (385, 28756), (407, 28792), (409, 28798), (420, 28819), (457, 28891), (464, 28900), (475, 28921), (566, 29029), (567, 29032), (572, 29047), (591, 29086), (605, 29134), (611, 29146), (614, 29152), (630, 29200), (635, 29209), (650, 29230), (658, 29248), (673,

29296), (713, 29398), (746, 29470), (766, 29515), (768, 29527), (795, 29662), (796, 29668), (797, 29692), (798, 29764), (804, 29791), (886, 30040),

Gene: MiniLon_19 Start: 17191, Stop: 18954, Start Num: 136
Candidate Starts for MiniLon_19:
(Start: 136 @17191 has 48 MA's), (Start: 161 @17218 has 14 MA's), (207, 17281), (241, 17329), (246, 17335), (269, 17371), (296, 17446), (Start: 303 @17470 has 11 MA's), (318, 17476), (346, 17533), (414, 17647), (419, 17659), (478, 17770), (556, 17914), (562, 17926), (674, 18148), (676, 18154), (695, 18211), (716, 18253), (724, 18262), (731, 18274), (762, 18349), (781, 18415), (784, 18427), (785, 18430), (826, 18478), (858, 18544), (881, 18622), (896, 18667), (915, 18712), (919, 18724), (951, 18787), (963, 18823), (969, 18838), (977, 18868), (979, 18874), (983, 18886), (985, 18895), (989, 18907),

Gene: MiniMac_19 Start: 17192, Stop: 18955, Start Num: 136
Candidate Starts for MiniMac_19:
(Start: 136 @17192 has 48 MA's), (Start: 161 @17219 has 14 MA's), (207, 17282), (241, 17330), (246, 17336), (269, 17372), (296, 17447), (Start: 303 @17471 has 11 MA's), (318, 17477), (346, 17534), (414, 17648), (419, 17660), (478, 17771), (556, 17915), (562, 17927), (674, 18149), (676, 18155), (695, 18212), (716, 18254), (724, 18263), (731, 18275), (762, 18350), (781, 18416), (784, 18428), (785, 18431), (826, 18479), (858, 18545), (881, 18623), (896, 18668), (915, 18713), (919, 18725), (951, 18788), (963, 18824), (969, 18839), (977, 18869), (979, 18875), (983, 18887), (985, 18896), (989, 18908),

Gene: MinionDave_17 Start: 15489, Stop: 17198, Start Num: 142
Candidate Starts for MinionDave_17:
(Start: 142 @15489 has 207 MA's), (215, 15576), (Start: 249 @15621 has 2 MA's), (258, 15645), (299, 15750), (301, 15756), (309, 15774), (332, 15804), (390, 15909), (422, 15969), (434, 15990), (437, 15999), (450, 16023), (558, 16149), (564, 16164), (566, 16170), (580, 16206), (582, 16209), (589, 16221), (591, 16227), (605, 16275), (611, 16287), (614, 16293), (648, 16353), (653, 16365), (666, 16401), (670, 16413), (700, 16488), (704, 16497), (713, 16515), (715, 16521), (730, 16551), (806, 16656), (810, 16665), (812, 16668), (825, 16704), (847, 16782), (878, 16881), (885, 16902), (896, 16935), (911, 16965), (919, 16995), (924, 17004), (928, 17010), (944, 17025), (945, 17028), (955, 17052), (968, 17082), (973, 17094), (980, 17124), (992, 17166),

Gene: Miniwave_24 Start: 19943, Stop: 21622, Start Num: 147
Candidate Starts for Miniwave_24:
(Start: 147 @19943 has 120 MA's), (Start: 212 @20027 has 47 MA's), (Start: 260 @20105 has 1 MA's), (296, 20192), (301, 20207), (332, 20255), (349, 20294), (405, 20381), (420, 20414), (437, 20450), (454, 20480), (457, 20486), (538, 20555), (561, 20585), (565, 20597), (566, 20600), (591, 20657), (650, 20789), (651, 20795), (675, 20861), (677, 20867), (686, 20891), (704, 20939), (715, 20963), (721, 20972), (754, 21047), (810, 21098), (819, 21113), (867, 21275), (875, 21302), (885, 21332), (926, 21437), (971, 21515), (980, 21551), (983, 21560), (992, 21593), (998, 21608),

Gene: Minnie_17 Start: 15349, Stop: 17058, Start Num: 142
Candidate Starts for Minnie_17:
(Start: 142 @15349 has 207 MA's), (215, 15436), (Start: 249 @15481 has 2 MA's), (258, 15505), (299, 15610), (301, 15616), (309, 15634), (332, 15664), (390, 15769), (419, 15823), (422, 15829), (434, 15850), (437, 15859), (450, 15883), (558, 16009), (564, 16024), (566, 16030), (580, 16066), (582, 16069), (589, 16081), (591, 16087), (605, 16135), (611, 16147), (614, 16153), (648, 16213), (653, 16225), (666, 16261), (670, 16273), (700, 16348), (704, 16357), (713, 16375), (715, 16381), (730, 16411), (806, 16516), (810, 16525), (812, 16528), (825, 16564), (847, 16642), (878, 16741), (885, 16762), (896, 16795), (911, 16825), (919, 16855), (924, 16864), (928, 16870), (944, 16885), (945, 16888), (955, 16912), (968, 16942), (973, 16954), (980, 16984), (992, 17026),

Gene: MintFen_19 Start: 16650, Stop: 18296, Start Num: 227
Candidate Starts for MintFen_19:
(203, 16614), (Start: 227 @16650 has 45 MA's), (283, 16752), (318, 16830), (321, 16833), (374, 16929), (396, 16968), (435, 17049), (468, 17103), (475, 17118), (591, 17289), (600, 17319), (677, 17502), (686, 17526), (687, 17529), (700, 17577), (739, 17670), (744, 17682), (765, 17727), (799, 17742), (843, 17874), (844, 17877), (875, 17976), (881, 17994), (899, 18045), (925, 18111), (963, 18174), (968, 18186),

Gene: Miramae_27 Start: 19775, Stop: 21568, Start Num: 162
Candidate Starts for Miramae_27:
(81, 19619), (96, 19664), (Start: 136 @19745 has 48 MA's), (Start: 156 @19769 has 559 MA's), (Start: 162 @19775 has 5 MA's), (Start: 204 @19829 has 1 MA's), (254, 19898), (286, 19976), (Start: 303 @20000 has 11 MA's), (323, 20012), (325, 20015), (367, 20090), (376, 20105), (402, 20144), (449, 20237), (465, 20261), (508, 20348), (567, 20462), (615, 20588), (644, 20633), (674, 20702), (683, 20726), (687, 20738), (731, 20825), (762, 20900), (767, 20918), (775, 20951), (777, 20957), (782, 20972), (820, 21050), (821, 21053), (828, 21074), (899, 21299), (943, 21404), (945, 21410), (992, 21545), (1000, 21563),

Gene: Miryou_21 Start: 17480, Stop: 19252, Start Num: 181
Candidate Starts for Miryou_21:
(Start: 181 @17480 has 15 MA's), (Start: 186 @17486 has 1 MA's), (201, 17510), (228, 17543), (256, 17591), (277, 17645), (295, 17696), (329, 17759), (376, 17867), (436, 17975), (491, 18089), (492, 18092), (512, 18131), (527, 18146), (534, 18158), (536, 18164), (551, 18206), (557, 18212), (571, 18251), (579, 18275), (647, 18377), (671, 18440), (687, 18485), (751, 18620), (782, 18719), (824, 18797), (831, 18821), (837, 18842), (841, 18854), (851, 18860), (879, 18938), (881, 18944), (951, 19097), (988, 19202), (989, 19205), (993, 19223),

Gene: Misfit_24 Start: 19833, Stop: 21512, Start Num: 147
Candidate Starts for Misfit_24:
(Start: 147 @19833 has 120 MA's), (Start: 212 @19917 has 47 MA's), (Start: 260 @19995 has 1 MA's), (296, 20082), (301, 20097), (332, 20145), (349, 20184), (405, 20271), (420, 20304), (437, 20340), (454, 20370), (457, 20376), (538, 20445), (561, 20475), (565, 20487), (566, 20490), (591, 20547), (650, 20679), (651, 20685), (675, 20751), (677, 20757), (686, 20781), (704, 20829), (715, 20853), (721, 20862), (754, 20937), (810, 20988), (819, 21003), (867, 21165), (875, 21192), (885, 21222), (926, 21327), (971, 21405), (980, 21441), (983, 21450), (992, 21483), (998, 21498),

Gene: Misha28_17 Start: 14677, Stop: 16386, Start Num: 142
Candidate Starts for Misha28_17:
(Start: 142 @14677 has 207 MA's), (215, 14764), (Start: 249 @14809 has 2 MA's), (258, 14833), (299, 14938), (301, 14944), (309, 14962), (320, 14971), (332, 14992), (390, 15097), (422, 15157), (425, 15166), (434, 15178), (437, 15187), (450, 15211), (473, 15247), (475, 15253), (482, 15265), (535, 15286), (536, 15289), (539, 15298), (544, 15313), (546, 15319), (558, 15337), (564, 15352), (566, 15358), (572, 15376), (573, 15379), (580, 15394), (589, 15409), (591, 15415), (605, 15463), (611, 15475), (614, 15481), (648, 15541), (653, 15553), (658, 15562), (666, 15589), (670, 15601), (677, 15622), (700, 15676), (704, 15685), (715, 15709), (730, 15739), (806, 15844), (812, 15856), (825, 15892), (847, 15970), (878, 16069), (885, 16090), (896, 16123), (911, 16153), (919, 16183), (922, 16189), (924, 16192), (928, 16198), (944, 16213), (945, 16216), (953, 16237), (973, 16282), (992, 16354), (993, 16360),

Gene: Miskis_50 Start: 29375, Stop: 31066, Start Num: 165
Candidate Starts for Miskis_50:

(Start: 165 @29375 has 14 MA's), (207, 29435), (229, 29468), (Start: 249 @29498 has 2 MA's), (250, 29501), (299, 29627), (317, 29660), (322, 29669), (392, 29798), (418, 29846), (591, 30059), (592, 30065), (600, 30089), (661, 30218), (666, 30239), (677, 30272), (754, 30470), (844, 30623), (875, 30722), (879, 30734), (882, 30743), (913, 30827), (981, 30974), (991, 31010), (994, 31022),

Gene: Misomonster_31 Start: 20462, Stop: 22258, Start Num: 156
Candidate Starts for Misomonster_31:
(Start: 156 @20462 has 559 MA's), (Start: 204 @20519 has 1 MA's), (215, 20534), (238, 20567), (254, 20588), (259, 20603), (Start: 303 @20690 has 11 MA's), (323, 20702), (325, 20705), (367, 20780), (376, 20795), (400, 20831), (508, 21038), (567, 21152), (581, 21191), (615, 21278), (674, 21392), (683, 21416), (689, 21434), (731, 21515), (762, 21590), (767, 21608), (775, 21641), (777, 21647), (790, 21686), (820, 21740), (821, 21743), (828, 21764), (844, 21821), (899, 21989), (943, 22094), (945, 22100), (992, 22235),

Gene: MissDaisy_24 Start: 18385, Stop: 20172, Start Num: 176
Candidate Starts for MissDaisy_24:
(Start: 146 @18349 has 1 MA's), (Start: 171 @18379 has 28 MA's), (Start: 176 @18385 has 45 MA's), (Start: 178 @18388 has 139 MA's), (228, 18442), (256, 18490), (272, 18529), (277, 18544), (284, 18562), (295, 18595), (311, 18625), (335, 18670), (342, 18688), (371, 18760), (376, 18766), (395, 18796), (430, 18862), (436, 18874), (498, 19009), (534, 19057), (536, 19063), (541, 19081), (557, 19111), (571, 19150), (647, 19276), (670, 19336), (671, 19339), (677, 19357), (683, 19372), (751, 19540), (769, 19594), (782, 19639), (808, 19684), (821, 19708), (831, 19741), (841, 19774), (853, 19783), (875, 19846), (879, 19858), (896, 19909), (899, 19915), (951, 20017), (993, 20143), (1004, 20164),

Gene: MissRona_21 Start: 16962, Stop: 18611, Start Num: 227
Candidate Starts for MissRona_21:
(203, 16926), (Start: 227 @16962 has 45 MA's), (236, 16971), (283, 17067), (318, 17145), (360, 17217), (374, 17244), (396, 17283), (435, 17364), (468, 17418), (591, 17604), (600, 17634), (645, 17733), (677, 17817), (686, 17841), (700, 17892), (739, 17985), (744, 17997), (765, 18042), (799, 18057), (843, 18189), (844, 18192), (875, 18291), (881, 18309), (899, 18360), (921, 18420), (925, 18426), (968, 18501),

Gene: MissWhite_28 Start: 19278, Stop: 21071, Start Num: 156
Candidate Starts for MissWhite_28:
(110, 19212), (Start: 136 @19254 has 48 MA's), (Start: 156 @19278 has 559 MA's), (238, 19377), (Start: 260 @19416 has 1 MA's), (323, 19512), (325, 19515), (366, 19587), (367, 19590), (376, 19605), (402, 19644), (406, 19650), (465, 19761), (469, 19767), (508, 19848), (541, 19905), (550, 19929), (556, 19932), (603, 20058), (617, 20094), (674, 20202), (689, 20244), (723, 20310), (731, 20325), (807, 20523), (821, 20556), (824, 20565), (831, 20589), (835, 20604), (842, 20628), (866, 20703), (869, 20718), (943, 20907), (945, 20913), (964, 20958),

Gene: MisterCuddles_16 Start: 14774, Stop: 16483, Start Num: 142
Candidate Starts for MisterCuddles_16:
(Start: 142 @14774 has 207 MA's), (215, 14861), (Start: 249 @14906 has 2 MA's), (258, 14930), (299, 15035), (301, 15041), (309, 15059), (332, 15089), (390, 15194), (419, 15248), (422, 15254), (425, 15263), (434, 15275), (437, 15284), (450, 15308), (473, 15344), (475, 15350), (482, 15362), (535, 15383), (536, 15386), (539, 15395), (544, 15410), (546, 15416), (558, 15434), (564, 15449), (566, 15455), (572, 15473), (573, 15476), (580, 15491), (589, 15506), (591, 15512), (600, 15542), (605, 15560), (611, 15572), (614, 15578), (648, 15638), (653, 15650), (666, 15686), (670, 15698), (677, 15719), (700, 15773), (704, 15782), (715, 15806), (730, 15836), (806, 15941), (812, 15953), (825, 15989), (836, 16028), (847, 16067), (878, 16166), (885, 16187), (896, 16220), (911, 16250), (919, 16280), (924, 16289), (928, 16295), (944, 16310), (945, 16313), (953, 16334), (955, 16337), (973,

16379), (980, 16409), (992, 16451), (993, 16457),

Gene: Mitti_24 Start: 18546, Stop: 20333, Start Num: 178
Candidate Starts for Mitti_24:
(Start: 146 @18507 has 1 MA's), (Start: 171 @18537 has 28 MA's), (Start: 176 @18543 has 45 MA's), (Start: 178 @18546 has 139 MA's), (228, 18603), (256, 18651), (272, 18690), (277, 18705), (284, 18723), (295, 18756), (311, 18786), (335, 18831), (342, 18849), (371, 18921), (376, 18927), (395, 18957), (430, 19023), (436, 19035), (498, 19170), (534, 19218), (536, 19224), (541, 19242), (557, 19272), (571, 19311), (647, 19437), (670, 19497), (671, 19500), (677, 19518), (683, 19533), (751, 19701), (769, 19755), (782, 19800), (808, 19845), (821, 19869), (831, 19902), (841, 19935), (875, 20007), (879, 20019), (896, 20070), (899, 20076), (951, 20178), (993, 20304), (1004, 20325),

Gene: MkaliMitinis3_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for MkaliMitinis3_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Mkhuseli_28 Start: 21152, Stop: 22954, Start Num: 159
Candidate Starts for Mkhuseli_28:
(Start: 159 @21152 has 217 MA's), (Start: 176 @21173 has 45 MA's), (Start: 204 @21215 has 1 MA's), (237, 21260), (367, 21476), (395, 21521), (402, 21530), (421, 21569), (448, 21620), (449, 21623), (479, 21680), (556, 21818), (581, 21887), (674, 22088), (675, 22091), (683, 22112), (730, 22208), (731, 22211), (733, 22217), (762, 22286), (767, 22304), (769, 22313), (777, 22343), (821, 22439), (831, 22472), (835, 22487), (844, 22517), (879, 22628), (899, 22685), (945, 22796),

Gene: Mocha12_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for Mocha12_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: ModicumRichard_19 Start: 16548, Stop: 18212, Start Num: 167
Candidate Starts for ModicumRichard_19:
(Start: 153 @16533 has 9 MA's), (Start: 167 @16548 has 22 MA's), (Start: 171 @16554 has 28 MA's), (193, 16584), (Start: 196 @16593 has 2 MA's), (346, 16827), (367, 16860), (397, 16908), (436, 16983), (462, 17028), (508, 17118), (525, 17133), (545, 17187), (550, 17196), (567, 17229), (577, 17262), (581, 17268), (703, 17502), (712, 17514), (730, 17541), (740, 17574), (758, 17613), (762, 17622), (782, 17694), (811, 17709), (821, 17733), (835, 17781), (874, 17868), (881, 17889), (905, 17955), (933, 18021), (951, 18069), (984, 18159), (1000, 18207),

Gene: Modragons_16 Start: 15041, Stop: 16750, Start Num: 142
Candidate Starts for Modragons_16:
(Start: 142 @15041 has 207 MA's), (215, 15128), (232, 15149), (Start: 249 @15173 has 2 MA's), (258, 15197), (266, 15218), (299, 15302), (301, 15308), (309, 15326), (332, 15356), (390, 15461), (419, 15515), (422, 15521), (432, 15539), (434, 15542), (437, 15551), (450, 15575), (535, 15650), (539, 15662), (544, 15677), (546, 15683), (558, 15701), (564, 15716), (566, 15722), (574, 15749), (580, 15758), (589, 15773), (591, 15779), (605, 15827), (611, 15839), (614, 15845), (648, 15905), (653,

15917), (666, 15953), (670, 15965), (677, 15986), (700, 16040), (704, 16049), (713, 16067), (715, 16073), (730, 16103), (806, 16208), (810, 16217), (812, 16220), (825, 16256), (836, 16295), (847, 16334), (885, 16454), (896, 16487), (911, 16517), (919, 16547), (924, 16556), (928, 16562), (944, 16577), (945, 16580), (953, 16601), (955, 16604), (971, 16640), (973, 16646), (980, 16676), (992, 16718),

Gene: Moldemort_25 Start: 19488, Stop: 21167, Start Num: 147
Candidate Starts for Moldemort_25:
(Start: 147 @19488 has 120 MA's), (Start: 212 @19572 has 47 MA's), (Start: 260 @19650 has 1 MA's), (296, 19737), (301, 19752), (332, 19800), (349, 19839), (405, 19926), (420, 19959), (437, 19995), (454, 20025), (457, 20031), (538, 20100), (561, 20130), (565, 20142), (566, 20145), (591, 20202), (650, 20334), (651, 20340), (675, 20406), (677, 20412), (686, 20436), (704, 20484), (715, 20508), (721, 20517), (754, 20592), (810, 20643), (819, 20658), (867, 20820), (875, 20847), (885, 20877), (926, 20982), (971, 21060), (980, 21096), (983, 21105), (992, 21138), (998, 21153),

Gene: Molly_28 Start: 20868, Stop: 22670, Start Num: 159
Candidate Starts for Molly_28:
(Start: 159 @20868 has 217 MA's), (Start: 176 @20889 has 45 MA's), (Start: 204 @20931 has 1 MA's), (237, 20976), (367, 21192), (395, 21237), (402, 21246), (421, 21285), (448, 21336), (449, 21339), (556, 21534), (581, 21603), (674, 21804), (675, 21807), (683, 21828), (730, 21924), (731, 21927), (733, 21933), (762, 22002), (767, 22020), (769, 22029), (777, 22059), (821, 22155), (831, 22188), (835, 22203), (879, 22344), (899, 22401), (945, 22512),

Gene: Mollymur_31 Start: 28168, Stop: 30066, Start Num: 164
Candidate Starts for Mollymur_31:
(Start: 164 @28168 has 1 MA's), (Start: 167 @28171 has 22 MA's), (Start: 179 @28189 has 2 MA's), (207, 28228), (354, 28531), (392, 28588), (418, 28636), (463, 28720), (515, 28858), (516, 28864), (539, 28930), (591, 29062), (592, 29068), (682, 29287), (683, 29290), (732, 29410), (754, 29470), (810, 29521), (819, 29536), (875, 29722), (879, 29734), (899, 29791), (1001, 30034), (1005, 30058),

Gene: Monet_29 Start: 22353, Stop: 24155, Start Num: 159
Candidate Starts for Monet_29:
(Start: 159 @22353 has 217 MA's), (Start: 176 @22374 has 45 MA's), (Start: 204 @22416 has 1 MA's), (237, 22461), (367, 22677), (395, 22722), (402, 22731), (421, 22770), (448, 22821), (449, 22824), (495, 22917), (556, 23019), (581, 23088), (674, 23289), (675, 23292), (683, 23313), (730, 23409), (731, 23412), (733, 23418), (762, 23487), (767, 23505), (769, 23514), (777, 23544), (821, 23640), (831, 23673), (835, 23688), (879, 23829), (899, 23886), (945, 23997),

Gene: MoneyMay_29 Start: 20378, Stop: 22174, Start Num: 156
Candidate Starts for MoneyMay_29:
(Start: 156 @20378 has 559 MA's), (Start: 204 @20435 has 1 MA's), (215, 20450), (238, 20483), (254, 20504), (259, 20519), (Start: 303 @20606 has 11 MA's), (323, 20618), (325, 20621), (367, 20696), (376, 20711), (400, 20747), (508, 20954), (567, 21068), (581, 21107), (615, 21194), (674, 21308), (683, 21332), (689, 21350), (731, 21431), (762, 21506), (767, 21524), (775, 21557), (777, 21563), (790, 21602), (820, 21656), (821, 21659), (828, 21680), (844, 21737), (899, 21905), (943, 22010), (945, 22016), (992, 22151),

Gene: MooMoo_16 Start: 14544, Stop: 16277, Start Num: 149
Candidate Starts for MooMoo_16:
(124, 14511), (127, 14514), (Start: 149 @14544 has 1 MA's), (232, 14646), (269, 14718), (278, 14742), (437, 15048), (482, 15126), (558, 15198), (564, 15213), (566, 15219), (567, 15222), (582, 15258), (591, 15276), (605, 15324), (611, 15336), (675, 15477), (700, 15537), (704, 15546), (715, 15570), (726, 15594), (727, 15597), (730, 15600), (742, 15633), (820, 15738), (858, 15861), (860, 15870),

(875, 15921), (878, 15930), (899, 15990), (913, 16032), (917, 16044), (943, 16101), (944, 16104), (969, 16164),

Gene: Moonbeam_17 Start: 15298, Stop: 17007, Start Num: 142
Candidate Starts for Moonbeam_17:
(Start: 142 @15298 has 207 MA's), (215, 15385), (Start: 249 @15430 has 2 MA's), (258, 15454), (299, 15559), (301, 15565), (309, 15583), (332, 15613), (390, 15718), (422, 15778), (434, 15799), (437, 15808), (450, 15832), (558, 15958), (564, 15973), (566, 15979), (580, 16015), (582, 16018), (589, 16030), (591, 16036), (605, 16084), (611, 16096), (614, 16102), (648, 16162), (653, 16174), (666, 16210), (670, 16222), (700, 16297), (704, 16306), (713, 16324), (715, 16330), (730, 16360), (806, 16465), (810, 16474), (812, 16477), (825, 16513), (847, 16591), (878, 16690), (885, 16711), (896, 16744), (911, 16774), (919, 16804), (924, 16813), (928, 16819), (944, 16834), (945, 16837), (955, 16861), (968, 16891), (973, 16903), (980, 16933), (992, 16975),

Gene: Moonflower_19 Start: 17249, Stop: 18943, Start Num: 167
Candidate Starts for Moonflower_19:
(122, 17207), (Start: 131 @17219 has 1 MA's), (Start: 167 @17249 has 22 MA's), (238, 17351), (266, 17402), (289, 17459), (333, 17510), (372, 17588), (377, 17594), (535, 17867), (557, 17927), (570, 17963), (588, 18005), (619, 18047), (654, 18101), (767, 18362), (801, 18437), (824, 18479), (837, 18524), (879, 18620), (880, 18623), (885, 18638), (949, 18797), (951, 18803), (984, 18890), (998, 18935),

Gene: MoontowerMania_34 Start: 30587, Stop: 32350, Start Num: 111
Candidate Starts for MoontowerMania_34:
(104, 30569), (Start: 111 @30587 has 74 MA's), (Start: 131 @30623 has 1 MA's), (238, 30761), (285, 30857), (289, 30866), (340, 30935), (367, 30986), (395, 31031), (406, 31046), (448, 31127), (475, 31172), (478, 31181), (535, 31271), (543, 31301), (550, 31316), (562, 31340), (571, 31370), (641, 31475), (689, 31592), (695, 31610), (699, 31625), (723, 31655), (730, 31667), (731, 31670), (740, 31697), (879, 32021), (880, 32024), (896, 32072), (909, 32099), (917, 32126), (943, 32180), (952, 32207), (994, 32336),

Gene: Moose_26 Start: 21094, Stop: 22896, Start Num: 159
Candidate Starts for Moose_26:
(Start: 159 @21094 has 217 MA's), (Start: 176 @21115 has 45 MA's), (Start: 204 @21157 has 1 MA's), (237, 21202), (367, 21418), (395, 21463), (402, 21472), (421, 21511), (448, 21562), (449, 21565), (556, 21760), (581, 21829), (674, 22030), (675, 22033), (683, 22054), (730, 22150), (731, 22153), (733, 22159), (762, 22228), (767, 22246), (769, 22255), (777, 22285), (821, 22381), (831, 22414), (835, 22429), (844, 22459), (879, 22570), (899, 22627), (945, 22738),

Gene: Moosehead_17 Start: 14663, Stop: 16372, Start Num: 216
Candidate Starts for Moosehead_17:
(115, 14528), (123, 14543), (Start: 216 @14663 has 31 MA's), (243, 14705), (278, 14780), (304, 14852), (305, 14855), (347, 14930), (406, 15026), (417, 15053), (423, 15065), (469, 15143), (471, 15146), (488, 15191), (547, 15332), (583, 15413), (613, 15473), (631, 15479), (663, 15521), (691, 15602), (694, 15614), (704, 15638), (714, 15656), (722, 15671), (731, 15695), (768, 15791), (769, 15794), (875, 16025), (880, 16040), (931, 16175), (933, 16178), (951, 16226), (965, 16256), (976, 16292),

Gene: Moostard_19 Start: 17376, Stop: 19139, Start Num: 136
Candidate Starts for Moostard_19:
(Start: 136 @17376 has 48 MA's), (Start: 161 @17403 has 14 MA's), (207, 17466), (241, 17514), (246, 17520), (269, 17556), (296, 17631), (Start: 303 @17655 has 11 MA's), (318, 17661), (346, 17718), (414, 17832), (419, 17844), (478, 17955), (556, 18099), (562, 18111), (572, 18144), (575, 18159),

(674, 18333), (676, 18339), (695, 18396), (716, 18438), (724, 18447), (731, 18459), (762, 18534), (782, 18603), (785, 18615), (826, 18663), (858, 18729), (881, 18807), (896, 18852), (919, 18909), (951, 18972), (963, 19008), (969, 19023), (977, 19053), (979, 19059), (983, 19071), (985, 19080), (989, 19092),

Gene: Morgana_19 Start: 16541, Stop: 18205, Start Num: 167
Candidate Starts for Morgana_19:
(84, 16391), (Start: 135 @16502 has 1 MA's), (Start: 153 @16526 has 9 MA's), (Start: 167 @16541 has 22 MA's), (Start: 171 @16547 has 28 MA's), (193, 16577), (Start: 196 @16586 has 2 MA's), (346, 16820), (367, 16853), (397, 16901), (436, 16976), (448, 16997), (462, 17021), (469, 17030), (479, 17057), (525, 17126), (545, 17180), (550, 17189), (567, 17222), (577, 17255), (581, 17261), (712, 17507), (730, 17534), (740, 17567), (758, 17606), (762, 17615), (782, 17687), (811, 17702), (821, 17726), (835, 17774), (874, 17861), (881, 17882), (905, 17948), (933, 18014), (951, 18062), (984, 18152),

Gene: Mori_56 Start: 33516, Stop: 35252, Start Num: 126
Candidate Starts for Mori_56:
(Start: 120 @33507 has 2 MA's), (Start: 126 @33516 has 26 MA's), (Start: 195 @33606 has 1 MA's), (266, 33723), (282, 33759), (291, 33780), (299, 33807), (301, 33813), (322, 33843), (336, 33867), (363, 33918), (437, 34056), (440, 34062), (472, 34113), (473, 34116), (482, 34134), (558, 34185), (566, 34206), (567, 34209), (589, 34257), (591, 34263), (605, 34311), (607, 34317), (611, 34323), (632, 34383), (648, 34407), (650, 34410), (666, 34455), (671, 34470), (674, 34479), (677, 34488), (693, 34533), (704, 34551), (721, 34584), (812, 34722), (820, 34743), (840, 34809), (848, 34839), (865, 34893), (878, 34935), (885, 34956), (892, 34977), (896, 34989), (907, 35010), (928, 35064), (971, 35142), (980, 35178), (986, 35199), (993, 35226),

Gene: Morkie_18 Start: 15153, Stop: 16865, Start Num: 157
Candidate Starts for Morkie_18:
(Start: 157 @15153 has 24 MA's), (170, 15165), (197, 15207), (264, 15309), (302, 15381), (346, 15462), (379, 15513), (395, 15546), (417, 15588), (421, 15594), (445, 15642), (475, 15693), (488, 15729), (523, 15771), (535, 15792), (537, 15798), (543, 15822), (567, 15873), (568, 15876), (577, 15906), (740, 16218), (767, 16284), (774, 16314), (826, 16407), (832, 16428), (835, 16440), (837, 16446), (839, 16452), (841, 16458), (868, 16512), (879, 16542), (904, 16611), (943, 16698), (945, 16704), (954, 16728), (967, 16755),

Gene: Morpher26_27 Start: 19826, Stop: 21625, Start Num: 156
Candidate Starts for Morpher26_27:
(Start: 136 @19802 has 48 MA's), (Start: 156 @19826 has 559 MA's), (Start: 204 @19886 has 1 MA's), (254, 19955), (286, 20033), (Start: 303 @20057 has 11 MA's), (323, 20069), (325, 20072), (344, 20108), (367, 20147), (402, 20201), (449, 20294), (465, 20318), (508, 20405), (567, 20519), (581, 20558), (615, 20645), (644, 20690), (674, 20759), (683, 20783), (687, 20795), (731, 20882), (762, 20957), (767, 20975), (769, 20984), (775, 21008), (777, 21014), (782, 21029), (800, 21062), (820, 21107), (821, 21110), (828, 21131), (899, 21356), (933, 21434), (943, 21461), (945, 21467), (992, 21602),

Gene: Morrissey_19 Start: 16044, Stop: 17648, Start Num: 185
Candidate Starts for Morrissey_19:
(Start: 177 @16032 has 11 MA's), (Start: 185 @16044 has 10 MA's), (207, 16077), (247, 16131), (324, 16308), (418, 16482), (532, 16599), (567, 16638), (586, 16680), (611, 16752), (624, 16785), (653, 16839), (669, 16878), (674, 16899), (726, 17016), (746, 17058), (753, 17076), (761, 17088), (806, 17118), (835, 17202), (840, 17217), (842, 17226), (858, 17274), (946, 17484), (984, 17592),

Gene: Morrow_27 Start: 19830, Stop: 21608, Start Num: 156

Candidate Starts for Morrow_27:
(Start: 136 @19806 has 48 MA's), (Start: 156 @19830 has 559 MA's), (Start: 204 @19887 has 1 MA's), (241, 19941), (254, 19956), (Start: 260 @19974 has 1 MA's), (Start: 303 @20058 has 11 MA's), (323, 20070), (325, 20073), (367, 20148), (376, 20163), (402, 20202), (465, 20319), (508, 20406), (550, 20487), (572, 20535), (581, 20559), (615, 20646), (644, 20691), (675, 20763), (683, 20784), (689, 20802), (731, 20883), (767, 20976), (769, 20985), (775, 21009), (777, 21015), (784, 21039), (821, 21093), (828, 21114), (842, 21165), (850, 21189), (867, 21243), (899, 21339), (943, 21444), (948, 21459), (987, 21567), (992, 21585),

Gene: MortyNRick_19 Start: 16293, Stop: 18002, Start Num: 157
Candidate Starts for MortyNRick_19:
(Start: 157 @16293 has 24 MA's), (170, 16305), (172, 16308), (241, 16410), (261, 16446), (289, 16512), (379, 16656), (383, 16665), (395, 16683), (417, 16725), (421, 16731), (433, 16755), (445, 16779), (475, 16830), (477, 16836), (488, 16866), (523, 16908), (535, 16929), (537, 16935), (543, 16959), (567, 17010), (568, 17013), (577, 17043), (670, 17193), (683, 17229), (740, 17355), (767, 17421), (769, 17430), (772, 17442), (774, 17451), (826, 17544), (832, 17565), (835, 17577), (837, 17583), (839, 17589), (841, 17595), (868, 17649), (879, 17679), (904, 17748), (943, 17835), (945, 17841), (967, 17892), (992, 17979), (1000, 17997),

Gene: MosMoris_48 Start: 26580, Stop: 28292, Start Num: 175
Candidate Starts for MosMoris_48:
(122, 26517), (Start: 175 @26580 has 56 MA's), (Start: 233 @26661 has 1 MA's), (266, 26718), (296, 26799), (298, 26805), (339, 26862), (342, 26874), (346, 26886), (367, 26925), (376, 26940), (417, 27009), (445, 27063), (449, 27072), (539, 27228), (562, 27276), (564, 27285), (567, 27294), (581, 27333), (590, 27348), (636, 27411), (644, 27423), (689, 27540), (690, 27543), (712, 27594), (729, 27621), (731, 27624), (738, 27645), (758, 27687), (820, 27807), (826, 27825), (881, 27969), (896, 28014), (905, 28032), (942, 28116), (945, 28125), (951, 28143), (961, 28164), (977, 28209), (979, 28215), (983, 28227), (986, 28239), (992, 28260), (998, 28275), (1002, 28281),

Gene: Mosby_23 Start: 19337, Stop: 20932, Start Num: 212
Candidate Starts for Mosby_23:
(Start: 147 @19253 has 120 MA's), (Start: 212 @19337 has 47 MA's), (Start: 260 @19415 has 1 MA's), (296, 19502), (301, 19517), (332, 19565), (349, 19604), (405, 19691), (420, 19724), (437, 19760), (454, 19790), (457, 19796), (538, 19865), (561, 19895), (565, 19907), (566, 19910), (591, 19967), (650, 20099), (651, 20105), (675, 20171), (677, 20177), (686, 20201), (704, 20249), (715, 20273), (721, 20282), (754, 20357), (810, 20408), (819, 20423), (867, 20585), (875, 20612), (885, 20642), (926, 20747), (971, 20825), (980, 20861), (983, 20870), (992, 20903), (998, 20918),

Gene: Mova_17 Start: 14657, Stop: 16366, Start Num: 142
Candidate Starts for Mova_17:
(Start: 142 @14657 has 207 MA's), (215, 14744), (Start: 249 @14789 has 2 MA's), (258, 14813), (299, 14918), (301, 14924), (309, 14942), (332, 14972), (390, 15077), (422, 15137), (434, 15158), (437, 15167), (450, 15191), (535, 15266), (558, 15317), (564, 15332), (566, 15338), (580, 15374), (582, 15377), (589, 15389), (591, 15395), (605, 15443), (611, 15455), (614, 15461), (648, 15521), (653, 15533), (666, 15569), (670, 15581), (700, 15656), (704, 15665), (713, 15683), (715, 15689), (730, 15719), (806, 15824), (810, 15833), (812, 15836), (825, 15872), (847, 15950), (878, 16049), (885, 16070), (896, 16103), (911, 16133), (919, 16163), (924, 16172), (928, 16178), (944, 16193), (945, 16196), (955, 16220), (968, 16250), (973, 16262), (980, 16292), (992, 16334),

Gene: Mowgli_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Mowgli_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039),

(395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Mozy_17 Start: 14705, Stop: 16414, Start Num: 142
Candidate Starts for Mozy_17:
(Start: 142 @14705 has 207 MA's), (232, 14813), (Start: 249 @14837 has 2 MA's), (258, 14861), (266, 14882), (282, 14918), (290, 14936), (291, 14939), (301, 14972), (309, 14990), (332, 15020), (390, 15125), (422, 15185), (434, 15206), (437, 15215), (450, 15239), (475, 15281), (535, 15314), (546, 15347), (558, 15365), (564, 15380), (566, 15386), (580, 15422), (582, 15425), (589, 15437), (591, 15443), (600, 15473), (605, 15491), (611, 15503), (614, 15509), (648, 15569), (666, 15617), (670, 15629), (700, 15704), (704, 15713), (715, 15737), (730, 15767), (806, 15872), (812, 15884), (825, 15920), (836, 15959), (847, 15998), (885, 16118), (896, 16151), (911, 16181), (919, 16211), (922, 16217), (924, 16220), (928, 16226), (944, 16241), (945, 16244), (953, 16265), (955, 16268), (973, 16310), (980, 16340), (992, 16382),

Gene: MrGordo_27 Start: 20817, Stop: 22619, Start Num: 159
Candidate Starts for MrGordo_27:
(Start: 159 @20817 has 217 MA's), (Start: 176 @20838 has 45 MA's), (Start: 204 @20880 has 1 MA's), (237, 20925), (367, 21141), (395, 21186), (402, 21195), (421, 21234), (448, 21285), (449, 21288), (556, 21483), (581, 21552), (674, 21753), (675, 21756), (683, 21777), (730, 21873), (731, 21876), (733, 21882), (767, 21969), (777, 22008), (821, 22104), (831, 22137), (835, 22152), (879, 22293), (899, 22350), (945, 22461),

Gene: MrMagoo_32 Start: 22870, Stop: 24651, Start Num: 119
Candidate Starts for MrMagoo_32:
(Start: 119 @22870 has 3 MA's), (Start: 128 @22885 has 2 MA's), (Start: 161 @22912 has 14 MA's), (Start: 219 @22990 has 2 MA's), (223, 22996), (237, 23014), (323, 23176), (327, 23185), (338, 23200), (382, 23287), (389, 23299), (395, 23308), (445, 23404), (451, 23416), (471, 23446), (473, 23449), (484, 23482), (552, 23611), (562, 23626), (567, 23644), (575, 23674), (669, 23836), (670, 23845), (674, 23857), (676, 23863), (716, 23962), (724, 23971), (730, 23980), (758, 24049), (808, 24142), (824, 24181), (826, 24187), (829, 24196), (969, 24541), (977, 24568), (979, 24574), (992, 24619),

Gene: Mryolo_26 Start: 20854, Stop: 22656, Start Num: 159
Candidate Starts for Mryolo_26:
(Start: 159 @20854 has 217 MA's), (Start: 176 @20875 has 45 MA's), (Start: 204 @20917 has 1 MA's), (237, 20962), (367, 21178), (395, 21223), (402, 21232), (421, 21271), (448, 21322), (449, 21325), (556, 21520), (581, 21589), (674, 21790), (675, 21793), (683, 21814), (730, 21910), (731, 21913), (733, 21919), (762, 21988), (767, 22006), (769, 22015), (777, 22045), (821, 22141), (831, 22174), (835, 22189), (879, 22330), (899, 22387), (945, 22498),

Gene: Ms6_16 Start: 14816, Stop: 16525, Start Num: 142
Candidate Starts for Ms6_16:
(Start: 142 @14816 has 207 MA's), (215, 14903), (Start: 249 @14948 has 2 MA's), (258, 14972), (299, 15077), (301, 15083), (309, 15101), (332, 15131), (390, 15236), (422, 15296), (434, 15317), (437, 15326), (450, 15350), (558, 15476), (564, 15491), (566, 15497), (580, 15533), (582, 15536), (589, 15548), (591, 15554), (605, 15602), (611, 15614), (614, 15620), (648, 15680), (653, 15692), (666, 15728), (670, 15740), (700, 15815), (704, 15824), (713, 15842), (715, 15848), (730, 15878), (806, 15983), (810, 15992), (812, 15995), (825, 16031), (847, 16109), (878, 16208), (885, 16229), (896, 16262), (911, 16292), (919, 16322), (924, 16331), (928, 16337), (944, 16352), (945, 16355), (955, 16379), (968, 16409), (973, 16421), (980, 16451), (992, 16493),

Gene: MsGreen_19 Start: 17373, Stop: 19136, Start Num: 136
Candidate Starts for MsGreen_19:
(Start: 136 @17373 has 48 MA's), (Start: 161 @17400 has 14 MA's), (207, 17463), (241, 17511), (246, 17517), (269, 17553), (296, 17628), (Start: 303 @17652 has 11 MA's), (318, 17658), (346, 17715), (414, 17829), (419, 17841), (478, 17952), (556, 18096), (562, 18108), (572, 18141), (674, 18330), (676, 18336), (695, 18393), (716, 18435), (724, 18444), (731, 18456), (762, 18531), (782, 18600), (785, 18612), (826, 18660), (858, 18726), (881, 18804), (896, 18849), (919, 18906), (951, 18969), (963, 19005), (969, 19020), (977, 19050), (979, 19056), (983, 19068), (985, 19077), (989, 19089),

Gene: MuchMore_31 Start: 20371, Stop: 22167, Start Num: 156
Candidate Starts for MuchMore_31:
(Start: 156 @20371 has 559 MA's), (Start: 204 @20428 has 1 MA's), (215, 20443), (238, 20476), (254, 20497), (259, 20512), (Start: 303 @20599 has 11 MA's), (323, 20611), (325, 20614), (367, 20689), (376, 20704), (400, 20740), (508, 20947), (567, 21061), (581, 21100), (615, 21187), (674, 21301), (683, 21325), (689, 21343), (731, 21424), (762, 21499), (767, 21517), (775, 21550), (777, 21556), (790, 21595), (820, 21649), (821, 21652), (828, 21673), (844, 21730), (899, 21898), (943, 22003), (945, 22009), (992, 22144),

Gene: Muddy_21 Start: 16213, Stop: 18063, Start Num: 139
Candidate Starts for Muddy_21:
(116, 16177), (Start: 139 @16213 has 4 MA's), (199, 16291), (241, 16351), (272, 16417), (291, 16468), (295, 16483), (296, 16486), (453, 16792), (482, 16849), (485, 16858), (498, 16897), (500, 16900), (525, 16963), (536, 16984), (563, 17047), (566, 17056), (571, 17071), (579, 17095), (651, 17206), (666, 17245), (673, 17266), (686, 17302), (687, 17305), (707, 17347), (718, 17362), (721, 17368), (858, 17677), (860, 17686), (862, 17692), (866, 17704), (875, 17734), (883, 17758), (942, 17878), (965, 17935), (991, 18022), (993, 18031),

Gene: Mufasa_19 Start: 15033, Stop: 16802, Start Num: 176
Candidate Starts for Mufasa_19:
(Start: 146 @14997 has 1 MA's), (Start: 171 @15027 has 28 MA's), (Start: 176 @15033 has 45 MA's), (Start: 195 @15048 has 1 MA's), (228, 15090), (256, 15138), (272, 15177), (277, 15192), (295, 15243), (311, 15273), (329, 15306), (335, 15318), (342, 15336), (371, 15408), (376, 15414), (430, 15510), (436, 15522), (485, 15618), (536, 15711), (541, 15729), (551, 15753), (557, 15759), (571, 15798), (579, 15822), (587, 15834), (647, 15924), (651, 15933), (671, 15987), (682, 16017), (730, 16128), (751, 16179), (784, 16287), (841, 16401), (853, 16410), (879, 16485), (896, 16536), (899, 16542), (948, 16638), (972, 16692), (993, 16773), (1004, 16794),

Gene: Mulch_22 Start: 17344, Stop: 19050, Start Num: 222
Candidate Starts for Mulch_22:
(Start: 164 @17269 has 1 MA's), (Start: 222 @17344 has 16 MA's), (272, 17437), (277, 17452), (280, 17458), (309, 17533), (343, 17605), (397, 17716), (421, 17761), (430, 17779), (436, 17791), (534, 17962), (537, 17971), (539, 17977), (551, 18010), (576, 18073), (599, 18124), (630, 18148), (644, 18172), (674, 18247), (688, 18286), (747, 18418), (784, 18532), (831, 18619), (878, 18733), (881, 18742), (925, 18847), (969, 18934), (1004, 19042),

Gene: MulchExplorer_19 Start: 15928, Stop: 17637, Start Num: 142
Candidate Starts for MulchExplorer_19:
(Start: 142 @15928 has 207 MA's), (215, 16015), (Start: 249 @16060 has 2 MA's), (258, 16084), (299, 16189), (301, 16195), (309, 16213), (332, 16243), (390, 16348), (394, 16354), (422, 16408), (425, 16417), (434, 16429), (437, 16438), (450, 16462), (539, 16549), (544, 16564), (558, 16588), (564, 16603), (566, 16609), (580, 16645), (582, 16648), (589, 16660), (591, 16666), (605, 16714), (611, 16726), (614, 16732), (648, 16792), (653, 16804), (666, 16840), (670, 16852), (677, 16873), (700, 16927), (704, 16936), (713, 16954), (715, 16960), (730, 16990), (806, 17095), (810, 17104), (812,

17107), (825, 17143), (844, 17209), (847, 17221), (878, 17320), (885, 17341), (896, 17374), (911, 17404), (919, 17434), (924, 17443), (928, 17449), (944, 17464), (945, 17467), (955, 17491), (968, 17521), (973, 17533), (980, 17563), (992, 17605),

Gene: MulchSalad_16 Start: 14726, Stop: 16435, Start Num: 142
Candidate Starts for MulchSalad_16:
(Start: 142 @14726 has 207 MA's), (215, 14813), (232, 14834), (Start: 249 @14858 has 2 MA's), (258, 14882), (299, 14987), (301, 14993), (309, 15011), (320, 15020), (332, 15041), (390, 15146), (419, 15200), (422, 15206), (434, 15227), (437, 15236), (450, 15260), (558, 15386), (564, 15401), (566, 15407), (573, 15428), (580, 15443), (582, 15446), (589, 15458), (591, 15464), (605, 15512), (611, 15524), (614, 15530), (648, 15590), (653, 15602), (666, 15638), (670, 15650), (700, 15725), (704, 15734), (713, 15752), (715, 15758), (730, 15788), (806, 15893), (810, 15902), (812, 15905), (825, 15941), (847, 16019), (878, 16118), (885, 16139), (896, 16172), (911, 16202), (919, 16232), (924, 16241), (928, 16247), (944, 16262), (945, 16265), (953, 16286), (955, 16289), (973, 16331), (992, 16403),

Gene: Mulciber_28 Start: 20749, Stop: 22548, Start Num: 156
Candidate Starts for Mulciber_28:
(110, 20683), (Start: 136 @20725 has 48 MA's), (Start: 156 @20749 has 559 MA's), (Start: 196 @20791 has 2 MA's), (Start: 260 @20887 has 1 MA's), (269, 20902), (323, 20983), (325, 20986), (367, 21061), (376, 21076), (402, 21115), (406, 21121), (430, 21172), (465, 21232), (469, 21238), (508, 21319), (556, 21403), (603, 21529), (609, 21547), (622, 21574), (689, 21715), (723, 21781), (730, 21793), (731, 21796), (800, 21985), (813, 22012), (819, 22021), (824, 22042), (825, 22045), (831, 22066), (835, 22081), (842, 22105), (866, 22180), (869, 22195), (899, 22279), (943, 22384), (945, 22390), (968, 22444), (1000, 22543),

Gene: Mule_27 Start: 21163, Stop: 22965, Start Num: 159
Candidate Starts for Mule_27:
(Start: 159 @21163 has 217 MA's), (Start: 176 @21184 has 45 MA's), (Start: 204 @21226 has 1 MA's), (237, 21271), (367, 21487), (395, 21532), (402, 21541), (421, 21580), (448, 21631), (449, 21634), (556, 21829), (581, 21898), (674, 22099), (675, 22102), (683, 22123), (730, 22219), (731, 22222), (733, 22228), (762, 22297), (767, 22315), (769, 22324), (777, 22354), (821, 22450), (831, 22483), (835, 22498), (879, 22639), (899, 22696), (945, 22807),

Gene: Munch_28 Start: 20755, Stop: 22554, Start Num: 156
Candidate Starts for Munch_28:
(110, 20689), (Start: 136 @20731 has 48 MA's), (Start: 156 @20755 has 559 MA's), (Start: 196 @20797 has 2 MA's), (Start: 260 @20893 has 1 MA's), (269, 20908), (323, 20989), (325, 20992), (367, 21067), (376, 21082), (402, 21121), (406, 21127), (430, 21178), (465, 21238), (469, 21244), (508, 21325), (556, 21409), (603, 21535), (609, 21553), (622, 21580), (689, 21721), (723, 21787), (730, 21799), (731, 21802), (800, 21991), (813, 22018), (819, 22027), (824, 22048), (825, 22051), (831, 22072), (835, 22087), (842, 22111), (866, 22186), (869, 22201), (899, 22285), (943, 22390), (945, 22396), (968, 22450), (1000, 22549),

Gene: Mundrea_27 Start: 19791, Stop: 21590, Start Num: 156
Candidate Starts for Mundrea_27:
(Start: 136 @19767 has 48 MA's), (Start: 156 @19791 has 559 MA's), (Start: 162 @19797 has 5 MA's), (Start: 204 @19851 has 1 MA's), (254, 19920), (286, 19998), (Start: 303 @20022 has 11 MA's), (325, 20037), (367, 20112), (376, 20127), (402, 20166), (449, 20259), (465, 20283), (508, 20370), (567, 20484), (581, 20523), (615, 20610), (644, 20655), (674, 20724), (683, 20748), (687, 20760), (731, 20847), (762, 20922), (767, 20940), (769, 20949), (775, 20973), (777, 20979), (782, 20994), (800, 21027), (820, 21072), (821, 21075), (828, 21096), (899, 21321), (943, 21426), (945, 21432), (983, 21534), (992, 21567),

Gene: MunkgeeRoachy_18 Start: 15780, Stop: 17477, Start Num: 151
Candidate Starts for MunkgeeRoachy_18:
(Start: 141 @15777 has 37 MA's), (Start: 151 @15780 has 50 MA's), (287, 15990), (351, 16089), (367, 16113), (400, 16164), (445, 16251), (462, 16281), (473, 16296), (477, 16308), (525, 16386), (530, 16398), (541, 16425), (553, 16458), (567, 16491), (571, 16503), (590, 16545), (666, 16668), (691, 16740), (731, 16818), (736, 16833), (744, 16851), (767, 16908), (821, 17001), (832, 17037), (835, 17049), (837, 17055), (841, 17067), (853, 17076), (878, 17148), (879, 17151), (881, 17157), (885, 17169), (909, 17229), (925, 17274), (931, 17283), (945, 17316), (973, 17382),

Gene: Murai_57 Start: 33688, Stop: 35433, Start Num: 120
Candidate Starts for Murai_57:
(Start: 120 @33688 has 2 MA's), (Start: 126 @33697 has 26 MA's), (Start: 195 @33787 has 1 MA's), (266, 33904), (282, 33940), (291, 33961), (299, 33988), (301, 33994), (322, 34024), (336, 34048), (363, 34099), (437, 34237), (440, 34243), (472, 34294), (473, 34297), (482, 34315), (558, 34366), (566, 34387), (567, 34390), (589, 34438), (591, 34444), (605, 34492), (607, 34498), (611, 34504), (632, 34564), (648, 34588), (650, 34591), (666, 34636), (671, 34651), (674, 34660), (677, 34669), (693, 34714), (704, 34732), (721, 34765), (812, 34903), (820, 34924), (840, 34990), (848, 35020), (865, 35074), (878, 35116), (885, 35137), (892, 35158), (896, 35170), (907, 35191), (928, 35245), (971, 35323), (980, 35359), (986, 35380), (993, 35407),

Gene: Murica_23 Start: 19814, Stop: 21409, Start Num: 212
Candidate Starts for Murica_23:
(Start: 147 @19730 has 120 MA's), (Start: 212 @19814 has 47 MA's), (Start: 260 @19892 has 1 MA's), (296, 19979), (301, 19994), (332, 20042), (349, 20081), (405, 20168), (420, 20201), (437, 20237), (454, 20267), (457, 20273), (538, 20342), (561, 20372), (565, 20384), (566, 20387), (591, 20444), (650, 20576), (651, 20582), (675, 20648), (677, 20654), (686, 20678), (704, 20726), (715, 20750), (721, 20759), (754, 20834), (810, 20885), (819, 20900), (867, 21062), (875, 21089), (885, 21119), (926, 21224), (971, 21302), (980, 21338), (983, 21347), (992, 21380), (998, 21395),

Gene: Murp_19 Start: 16718, Stop: 18364, Start Num: 227
Candidate Starts for Murp_19:
(203, 16682), (Start: 227 @16718 has 45 MA's), (283, 16820), (318, 16898), (374, 16997), (396, 17036), (435, 17117), (468, 17171), (475, 17186), (535, 17219), (553, 17267), (554, 17270), (591, 17357), (600, 17387), (677, 17570), (686, 17594), (715, 17678), (739, 17738), (744, 17750), (799, 17810), (844, 17945), (875, 18044), (881, 18062), (899, 18113), (921, 18173), (925, 18179), (963, 18242), (968, 18254),

Gene: Murphy_25 Start: 19809, Stop: 21404, Start Num: 212
Candidate Starts for Murphy_25:
(Start: 147 @19725 has 120 MA's), (Start: 212 @19809 has 47 MA's), (Start: 260 @19887 has 1 MA's), (296, 19974), (301, 19989), (332, 20037), (349, 20076), (405, 20163), (420, 20196), (437, 20232), (454, 20262), (457, 20268), (538, 20337), (561, 20367), (565, 20379), (566, 20382), (591, 20439), (650, 20571), (651, 20577), (675, 20643), (677, 20649), (686, 20673), (704, 20721), (715, 20745), (721, 20754), (754, 20829), (810, 20880), (819, 20895), (867, 21057), (875, 21084), (885, 21114), (926, 21219), (971, 21297), (980, 21333), (983, 21342), (992, 21375), (998, 21390),

Gene: Murucutumbu_23 Start: 17106, Stop: 18872, Start Num: 178
Candidate Starts for Murucutumbu_23:
(Start: 178 @17106 has 139 MA's), (198, 17136), (284, 17295), (295, 17328), (311, 17358), (329, 17391), (335, 17403), (371, 17493), (395, 17529), (400, 17535), (436, 17607), (441, 17616), (465, 17655), (484, 17700), (491, 17721), (492, 17724), (536, 17796), (551, 17838), (557, 17844), (567, 17871), (579, 17907), (647, 18009), (656, 18027), (676, 18087), (688, 18117), (702, 18144), (751,

18249), (779, 18339), (821, 18408), (832, 18444), (841, 18474), (879, 18558), (896, 18609), (948, 18708), (971, 18759), (993, 18843), (994, 18846), (1004, 18864),

Gene: Museum_29 Start: 21173, Stop: 22975, Start Num: 159
Candidate Starts for Museum_29:
(Start: 159 @21173 has 217 MA's), (Start: 176 @21194 has 45 MA's), (Start: 204 @21236 has 1 MA's), (237, 21281), (367, 21497), (395, 21542), (402, 21551), (421, 21590), (448, 21641), (449, 21644), (495, 21737), (556, 21839), (581, 21908), (674, 22109), (675, 22112), (683, 22133), (730, 22229), (731, 22232), (733, 22238), (762, 22307), (767, 22325), (769, 22334), (777, 22364), (821, 22460), (831, 22493), (835, 22508), (879, 22649), (899, 22706), (945, 22817),

Gene: Mutaforma13_16 Start: 14853, Stop: 16562, Start Num: 142
Candidate Starts for Mutaforma13_16:
(Start: 142 @14853 has 207 MA's), (215, 14940), (Start: 249 @14985 has 2 MA's), (258, 15009), (299, 15114), (301, 15120), (309, 15138), (332, 15168), (390, 15273), (422, 15333), (434, 15354), (437, 15363), (447, 15381), (450, 15387), (535, 15462), (536, 15465), (558, 15513), (564, 15528), (566, 15534), (580, 15570), (582, 15573), (589, 15585), (591, 15591), (605, 15639), (611, 15651), (614, 15657), (648, 15717), (653, 15729), (666, 15765), (670, 15777), (700, 15852), (704, 15861), (713, 15879), (715, 15885), (730, 15915), (806, 16020), (810, 16029), (812, 16032), (825, 16068), (847, 16146), (878, 16245), (885, 16266), (896, 16299), (911, 16329), (919, 16359), (924, 16368), (928, 16374), (944, 16389), (945, 16392), (955, 16416), (968, 16446), (973, 16458), (980, 16488), (992, 16530),

Gene: Mutzi_33 Start: 26290, Stop: 28056, Start Num: 111
Candidate Starts for Mutzi_33:
(93, 26248), (104, 26278), (Start: 111 @26290 has 74 MA's), (Start: 131 @26326 has 1 MA's), (Start: 159 @26359 has 217 MA's), (287, 26569), (289, 26572), (323, 26602), (351, 26668), (367, 26692), (372, 26701), (393, 26734), (451, 26839), (478, 26887), (484, 26905), (495, 26926), (535, 26977), (539, 26989), (543, 27007), (548, 27019), (553, 27031), (562, 27046), (571, 27076), (572, 27079), (579, 27100), (636, 27172), (663, 27220), (678, 27268), (683, 27280), (699, 27331), (724, 27364), (743, 27406), (769, 27478), (803, 27544), (809, 27556), (863, 27676), (879, 27727), (880, 27730), (896, 27778), (909, 27805), (911, 27808), (917, 27832), (943, 27886), (984, 28003), (990, 28024), (1000, 28051),

Gene: Mynx_23 Start: 17171, Stop: 18937, Start Num: 178
Candidate Starts for Mynx_23:
(Start: 178 @17171 has 139 MA's), (198, 17201), (284, 17360), (295, 17393), (311, 17423), (329, 17456), (335, 17468), (371, 17558), (400, 17600), (436, 17672), (441, 17681), (465, 17720), (484, 17765), (491, 17786), (492, 17789), (527, 17843), (536, 17861), (551, 17903), (557, 17909), (567, 17936), (600, 18023), (647, 18074), (656, 18092), (670, 18134), (676, 18152), (688, 18182), (702, 18209), (751, 18314), (821, 18473), (832, 18509), (841, 18539), (853, 18548), (879, 18623), (896, 18674), (983, 18869), (993, 18908), (994, 18911), (1004, 18929),

Gene: MyraDee_25 Start: 18055, Stop: 19854, Start Num: 159
Candidate Starts for MyraDee_25:
(Start: 136 @18028 has 48 MA's), (Start: 159 @18055 has 217 MA's), (217, 18136), (241, 18172), (Start: 260 @18205 has 1 MA's), (323, 18301), (325, 18304), (344, 18340), (367, 18379), (376, 18394), (448, 18523), (465, 18550), (479, 18583), (508, 18637), (567, 18751), (572, 18766), (605, 18853), (606, 18856), (644, 18919), (674, 18988), (689, 19030), (731, 19111), (762, 19186), (767, 19204), (775, 19237), (777, 19243), (782, 19258), (790, 19282), (821, 19339), (824, 19348), (831, 19372), (835, 19387), (879, 19528), (943, 19690), (945, 19696), (948, 19705), (994, 19840),

Gene: Myrale_24 Start: 19616, Stop: 21295, Start Num: 147

Candidate Starts for Myrale_24:
(Start: 147 @19616 has 120 MA's), (Start: 212 @19700 has 47 MA's), (Start: 260 @19778 has 1 MA's), (296, 19865), (301, 19880), (332, 19928), (349, 19967), (405, 20054), (420, 20087), (437, 20123), (454, 20153), (457, 20159), (538, 20228), (561, 20258), (565, 20270), (566, 20273), (591, 20330), (650, 20462), (651, 20468), (675, 20534), (677, 20540), (686, 20564), (704, 20612), (715, 20636), (721, 20645), (754, 20720), (810, 20771), (819, 20786), (867, 20948), (875, 20975), (885, 21005), (926, 21110), (971, 21188), (980, 21224), (983, 21233), (992, 21266), (998, 21281),

Gene: Myxus_30 Start: 21746, Stop: 23539, Start Num: 153
Candidate Starts for Myxus_30:
(Start: 153 @21746 has 9 MA's), (Start: 156 @21749 has 559 MA's), (323, 21983), (325, 21986), (366, 22058), (367, 22061), (376, 22076), (402, 22115), (406, 22121), (465, 22232), (508, 22319), (550, 22400), (556, 22403), (635, 22589), (669, 22652), (675, 22676), (677, 22682), (689, 22715), (731, 22796), (775, 22922), (788, 22964), (790, 22967), (821, 23024), (831, 23057), (835, 23072), (866, 23171), (867, 23174), (869, 23186), (899, 23270), (925, 23336), (943, 23375), (945, 23381), (964, 23426), (983, 23483), (984, 23486),

Gene: NEHalo_27 Start: 20911, Stop: 22713, Start Num: 159
Candidate Starts for NEHalo_27:
(Start: 159 @20911 has 217 MA's), (Start: 176 @20932 has 45 MA's), (Start: 204 @20974 has 1 MA's), (237, 21019), (367, 21235), (395, 21280), (402, 21289), (448, 21379), (449, 21382), (495, 21475), (556, 21577), (581, 21646), (674, 21847), (675, 21850), (683, 21871), (730, 21967), (731, 21970), (733, 21976), (762, 22045), (767, 22063), (769, 22072), (777, 22102), (821, 22198), (831, 22231), (835, 22246), (879, 22387), (899, 22444), (945, 22555),

Gene: NaSiaTalie_28 Start: 20211, Stop: 21983, Start Num: 156
Candidate Starts for NaSiaTalie_28:
(Start: 136 @20187 has 48 MA's), (Start: 156 @20211 has 559 MA's), (259, 20346), (269, 20364), (323, 20445), (325, 20448), (366, 20520), (367, 20523), (402, 20577), (406, 20583), (436, 20646), (465, 20694), (479, 20727), (508, 20781), (550, 20862), (556, 20865), (567, 20895), (635, 21051), (675, 21138), (731, 21258), (774, 21381), (775, 21384), (777, 21390), (808, 21438), (831, 21501), (835, 21516), (837, 21522), (855, 21576), (866, 21615), (869, 21630), (881, 21663), (896, 21708), (943, 21819), (945, 21825), (968, 21879),

Gene: Naca_24 Start: 19512, Stop: 21311, Start Num: 156
Candidate Starts for Naca_24:
(Start: 156 @19512 has 559 MA's), (325, 19749), (367, 19824), (376, 19839), (400, 19875), (436, 19947), (445, 19962), (465, 19995), (469, 20001), (567, 20196), (575, 20226), (579, 20232), (615, 20322), (644, 20367), (674, 20436), (689, 20478), (694, 20496), (730, 20556), (731, 20559), (767, 20652), (820, 20793), (831, 20829), (942, 21144), (945, 21153), (992, 21288),

Gene: Nadeem_22 Start: 17344, Stop: 19050, Start Num: 222
Candidate Starts for Nadeem_22:
(Start: 164 @17269 has 1 MA's), (Start: 222 @17344 has 16 MA's), (272, 17437), (277, 17452), (280, 17458), (309, 17533), (343, 17605), (397, 17716), (421, 17761), (430, 17779), (436, 17791), (534, 17962), (537, 17971), (539, 17977), (551, 18010), (576, 18073), (599, 18124), (630, 18148), (644, 18172), (674, 18247), (688, 18286), (747, 18418), (784, 18532), (831, 18619), (878, 18733), (881, 18742), (925, 18847), (969, 18934), (1004, 19042),

Gene: NadineRae_41 Start: 27143, Stop: 28759, Start Num: 202
Candidate Starts for NadineRae_41:
(Start: 202 @27143 has 36 MA's), (Start: 211 @27155 has 16 MA's), (Start: 231 @27179 has 1 MA's), (277, 27257), (367, 27440), (406, 27497), (410, 27509), (417, 27524), (458, 27590), (469, 27605),

(481, 27629), (519, 27716), (522, 27722), (535, 27746), (562, 27806), (571, 27836), (577, 27857), (654, 27962), (663, 27983), (704, 28070), (728, 28118), (773, 28244), (785, 28280), (878, 28445), (884, 28463), (896, 28499), (976, 28673), (980, 28685), (998, 28742),

Gene: Naiad_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Naiad_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Naira_28 Start: 22770, Stop: 24572, Start Num: 159
Candidate Starts for Naira_28:
(Start: 159 @22770 has 217 MA's), (Start: 176 @22791 has 45 MA's), (Start: 204 @22833 has 1 MA's), (237, 22878), (367, 23094), (395, 23139), (402, 23148), (421, 23187), (448, 23238), (449, 23241), (556, 23436), (581, 23505), (604, 23565), (674, 23706), (675, 23709), (683, 23730), (730, 23826), (731, 23829), (733, 23835), (762, 23904), (767, 23922), (769, 23931), (777, 23961), (821, 24057), (831, 24090), (835, 24105), (879, 24246), (899, 24303), (945, 24414),

Gene: Nairb_19 Start: 16980, Stop: 18686, Start Num: 175
Candidate Starts for Nairb_19:
(101, 16872), (106, 16884), (Start: 175 @16980 has 56 MA's), (223, 17046), (273, 17121), (275, 17127), (Start: 303 @17211 has 11 MA's), (343, 17265), (366, 17310), (367, 17313), (409, 17379), (562, 17664), (674, 17886), (758, 18075), (826, 18213), (830, 18225), (896, 18402), (912, 18438), (977, 18603), (985, 18630), (998, 18669), (1002, 18675),

Gene: Naji_31 Start: 20049, Stop: 21839, Start Num: 156
Candidate Starts for Naji_31:
(110, 19983), (Start: 136 @20025 has 48 MA's), (Start: 156 @20049 has 559 MA's), (323, 20283), (325, 20286), (366, 20358), (367, 20361), (376, 20376), (402, 20415), (406, 20421), (465, 20532), (475, 20550), (508, 20619), (550, 20700), (556, 20703), (615, 20859), (635, 20889), (731, 21096), (775, 21222), (792, 21273), (821, 21324), (831, 21357), (835, 21372), (842, 21396), (866, 21471), (867, 21474), (869, 21486), (899, 21570), (933, 21648), (943, 21675), (945, 21681), (964, 21726), (968, 21735), (992, 21816),

Gene: Nala_24 Start: 19856, Stop: 21451, Start Num: 212
Candidate Starts for Nala_24:
(Start: 147 @19772 has 120 MA's), (Start: 212 @19856 has 47 MA's), (Start: 260 @19934 has 1 MA's), (296, 20021), (301, 20036), (332, 20084), (349, 20123), (405, 20210), (420, 20243), (437, 20279), (454, 20309), (457, 20315), (538, 20384), (561, 20414), (565, 20426), (566, 20429), (591, 20486), (650, 20618), (651, 20624), (675, 20690), (677, 20696), (686, 20720), (704, 20768), (715, 20792), (721, 20801), (754, 20876), (810, 20927), (819, 20942), (867, 21104), (875, 21131), (885, 21161), (926, 21266), (971, 21344), (980, 21380), (983, 21389), (992, 21422), (998, 21437),

Gene: Nancinator_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Nancinator_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: NancyRae_22 Start: 17350, Stop: 19056, Start Num: 222
Candidate Starts for NancyRae_22:
(Start: 164 @17275 has 1 MA's), (Start: 222 @17350 has 16 MA's), (272, 17443), (277, 17458), (280, 17464), (309, 17539), (343, 17611), (397, 17722), (421, 17767), (430, 17785), (436, 17797), (534, 17968), (537, 17977), (539, 17983), (551, 18016), (576, 18079), (599, 18130), (630, 18154), (644, 18178), (674, 18253), (683, 18277), (688, 18292), (747, 18424), (784, 18538), (831, 18625), (878, 18739), (881, 18748), (925, 18853), (969, 18940), (1004, 19048),

Gene: Nanosmite_32 Start: 22784, Stop: 24520, Start Num: 161
Candidate Starts for Nanosmite_32:
(Start: 119 @22742 has 3 MA's), (Start: 128 @22757 has 2 MA's), (Start: 161 @22784 has 14 MA's), (Start: 176 @22799 has 45 MA's), (201, 22838), (223, 22868), (Start: 227 @22874 has 45 MA's), (237, 22886), (323, 23045), (373, 23144), (382, 23156), (389, 23168), (395, 23177), (417, 23219), (445, 23273), (471, 23315), (473, 23318), (546, 23471), (562, 23495), (588, 23564), (610, 23606), (658, 23675), (669, 23705), (670, 23714), (675, 23729), (689, 23768), (716, 23831), (724, 23840), (730, 23849), (758, 23918), (761, 23924), (764, 23930), (824, 24050), (826, 24056), (969, 24410), (977, 24437), (983, 24455), (985, 24464),

Gene: NatB6_41 Start: 29876, Stop: 31489, Start Num: 202
Candidate Starts for NatB6_41:
(Start: 202 @29876 has 36 MA's), (Start: 231 @29912 has 1 MA's), (242, 29930), (277, 29990), (406, 30230), (410, 30242), (417, 30257), (458, 30323), (469, 30338), (481, 30362), (482, 30365), (519, 30449), (535, 30479), (536, 30482), (562, 30539), (576, 30587), (577, 30590), (590, 30611), (663, 30716), (686, 30761), (704, 30803), (773, 30977), (783, 31007), (785, 31013), (860, 31121), (861, 31124), (885, 31199), (980, 31418), (998, 31475),

Gene: Natkenzie_35 Start: 30775, Stop: 32376, Start Num: 201
Candidate Starts for Natkenzie_35:
(Start: 183 @30754 has 17 MA's), (201, 30775), (210, 30787), (247, 30838), (274, 30901), (300, 30973), (344, 31060), (373, 31111), (390, 31141), (434, 31222), (447, 31249), (567, 31348), (578, 31378), (584, 31387), (596, 31420), (597, 31423), (598, 31426), (601, 31435), (621, 31483), (648, 31531), (651, 31540), (688, 31639), (706, 31678), (713, 31690), (762, 31807), (812, 31846), (826, 31885), (842, 31942), (856, 31981), (858, 31990), (873, 32047), (877, 32059), (896, 32116), (899, 32122), (909, 32143), (919, 32176), (948, 32221), (992, 32350), (994, 32359),

Gene: Natosaleda_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Natosaleda_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Nazo_18 Start: 16129, Stop: 17865, Start Num: 137
Candidate Starts for Nazo_18:
(Start: 137 @16129 has 45 MA's), (201, 16213), (272, 16327), (274, 16333), (282, 16354), (290, 16372), (300, 16405), (317, 16429), (405, 16588), (407, 16594), (466, 16708), (538, 16765), (555, 16804), (558, 16810), (567, 16834), (591, 16888), (594, 16900), (597, 16909), (621, 16969), (638, 17014), (658, 17047), (670, 17086), (682, 17119), (686, 17131), (704, 17185), (726, 17233), (740, 17263), (746, 17275), (822, 17377), (827, 17389), (828, 17392), (830, 17398), (832, 17407), (865, 17515), (892, 17599), (937, 17698), (968, 17755), (998, 17854),

Gene: NearlyHeadless_24 Start: 18670, Stop: 20460, Start Num: 156

Candidate Starts for NearlyHeadless_24:
(Start: 136 @18646 has 48 MA's), (Start: 156 @18670 has 559 MA's), (235, 18763), (Start: 260 @18808 has 1 MA's), (325, 18907), (344, 18943), (367, 18982), (376, 18997), (400, 19033), (465, 19153), (469, 19159), (536, 19279), (590, 19408), (615, 19480), (674, 19594), (767, 19810), (775, 19843), (821, 19945), (831, 19978), (835, 19993), (844, 20023), (942, 20293), (945, 20302), (948, 20311), (989, 20425),

Gene: Nebkiss_17 Start: 15060, Stop: 16949, Start Num: 162
Candidate Starts for Nebkiss_17:
(Start: 162 @15060 has 5 MA's), (168, 15069), (Start: 183 @15090 has 17 MA's), (237, 15159), (248, 15177), (256, 15195), (277, 15249), (291, 15285), (295, 15300), (296, 15303), (329, 15363), (367, 15456), (395, 15501), (400, 15507), (404, 15513), (414, 15534), (419, 15546), (445, 15594), (469, 15633), (471, 15636), (473, 15639), (485, 15675), (491, 15693), (502, 15720), (507, 15729), (536, 15768), (541, 15786), (564, 15834), (577, 15876), (600, 15930), (602, 15936), (604, 15942), (616, 15972), (629, 16011), (630, 16020), (644, 16044), (649, 16050), (682, 16140), (687, 16155), (718, 16221), (731, 16251), (751, 16299), (761, 16323), (762, 16326), (769, 16353), (786, 16413), (794, 16434), (813, 16455), (829, 16503), (832, 16515), (858, 16560), (875, 16620), (911, 16716), (912, 16722), (925, 16746), (933, 16758), (942, 16767), (948, 16785), (971, 16836), (984, 16884), (986, 16893), (989, 16902), (991, 16911), (992, 16914), (1004, 16941),

Gene: Nebs_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Nebs_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Nebulosus_30 Start: 19093, Stop: 20880, Start Num: 156
Candidate Starts for Nebulosus_30:
(110, 19027), (Start: 136 @19069 has 48 MA's), (Start: 156 @19093 has 559 MA's), (Start: 260 @19231 has 1 MA's), (285, 19288), (325, 19330), (344, 19366), (367, 19405), (409, 19474), (421, 19498), (449, 19552), (536, 19702), (556, 19747), (567, 19777), (579, 19813), (600, 19864), (613, 19900), (644, 19948), (671, 20008), (730, 20137), (762, 20215), (835, 20416), (837, 20422), (867, 20518), (929, 20683), (971, 20782),

Gene: Necropolis_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Necropolis_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Nedarya_29 Start: 19739, Stop: 21496, Start Num: 156
Candidate Starts for Nedarya_29:
(110, 19673), (Start: 136 @19715 has 48 MA's), (Start: 144 @19727 has 2 MA's), (Start: 156 @19739 has 559 MA's), (217, 19808), (285, 19934), (325, 19976), (344, 20012), (367, 20051), (376, 20066), (409, 20120), (421, 20144), (431, 20165), (475, 20240), (556, 20393), (567, 20423), (572, 20438),

(579, 20459), (644, 20564), (671, 20624), (730, 20753), (833, 21023), (856, 21095), (899, 21227), (925, 21293), (929, 21299), (933, 21305), (943, 21332), (983, 21440),

Gene: Neeharika16_31 Start: 19969, Stop: 21741, Start Num: 156
Candidate Starts for Neeharika16_31:
(110, 19903), (Start: 136 @19945 has 48 MA's), (Start: 156 @19969 has 559 MA's), (286, 20167), (325, 20206), (366, 20278), (367, 20281), (379, 20299), (402, 20335), (406, 20341), (465, 20452), (469, 20458), (484, 20497), (508, 20539), (536, 20578), (550, 20620), (556, 20623), (575, 20683), (684, 20920), (689, 20935), (731, 21016), (777, 21148), (835, 21274), (852, 21325), (855, 21334), (866, 21373), (867, 21376), (869, 21388), (899, 21472), (943, 21577), (945, 21583), (992, 21718),

Gene: Nekros_34 Start: 27091, Stop: 28824, Start Num: 141
Candidate Starts for Nekros_34:
(Start: 141 @27091 has 37 MA's), (Start: 212 @27181 has 47 MA's), (215, 27184), (272, 27286), (296, 27352), (317, 27388), (334, 27418), (340, 27433), (384, 27514), (385, 27517), (407, 27553), (420, 27580), (438, 27619), (457, 27652), (464, 27661), (536, 27718), (552, 27760), (586, 27835), (591, 27847), (611, 27907), (614, 27913), (630, 27961), (650, 27991), (658, 28009), (662, 28018), (671, 28051), (675, 28063), (677, 28069), (691, 28108), (715, 28165), (819, 28315), (822, 28333), (835, 28375), (842, 28399), (843, 28402), (847, 28417), (858, 28447), (867, 28477), (885, 28534), (956, 28681), (958, 28684), (998, 28810),

Gene: NelitzaMV_24 Start: 19899, Stop: 21494, Start Num: 212
Candidate Starts for NelitzaMV_24:
(Start: 147 @19815 has 120 MA's), (Start: 212 @19899 has 47 MA's), (Start: 260 @19977 has 1 MA's), (296, 20064), (301, 20079), (332, 20127), (349, 20166), (405, 20253), (420, 20286), (437, 20322), (454, 20352), (457, 20358), (538, 20427), (561, 20457), (565, 20469), (566, 20472), (591, 20529), (650, 20661), (651, 20667), (675, 20733), (677, 20739), (686, 20763), (704, 20811), (715, 20835), (721, 20844), (754, 20919), (810, 20970), (819, 20985), (867, 21147), (875, 21174), (885, 21204), (926, 21309), (971, 21387), (980, 21423), (983, 21432), (992, 21465), (998, 21480),

Gene: Nemo27_27 Start: 19826, Stop: 21604, Start Num: 156
Candidate Starts for Nemo27_27:
(Start: 136 @19802 has 48 MA's), (Start: 156 @19826 has 559 MA's), (Start: 204 @19883 has 1 MA's), (241, 19937), (254, 19952), (Start: 260 @19970 has 1 MA's), (Start: 303 @20054 has 11 MA's), (323, 20066), (325, 20069), (367, 20144), (376, 20159), (402, 20198), (465, 20315), (508, 20402), (550, 20483), (572, 20531), (581, 20555), (615, 20642), (644, 20687), (675, 20759), (683, 20780), (689, 20798), (731, 20879), (767, 20972), (769, 20981), (775, 21005), (777, 21011), (784, 21035), (821, 21089), (828, 21110), (842, 21161), (850, 21185), (867, 21239), (899, 21335), (943, 21440), (948, 21455), (987, 21563), (992, 21581),

Gene: Nenae_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for Nenae_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: Neobush_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Neobush_19:

(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: Nergal_22 Start: 17111, Stop: 18910, Start Num: 140
Candidate Starts for Nergal_22:
(Start: 140 @17111 has 2 MA's), (154, 17126), (188, 17168), (191, 17171), (256, 17258), (269, 17291), (342, 17453), (389, 17552), (427, 17624), (445, 17654), (469, 17693), (484, 17732), (492, 17756), (569, 17903), (583, 17939), (609, 17993), (644, 18041), (670, 18104), (762, 18314), (771, 18350), (835, 18491), (853, 18518), (881, 18599), (908, 18671), (927, 18707), (942, 18725), (981, 18833), (990, 18863), (993, 18878),

Gene: Nerujay_28 Start: 21579, Stop: 23381, Start Num: 159
Candidate Starts for Nerujay_28:
(Start: 159 @21579 has 217 MA's), (Start: 176 @21600 has 45 MA's), (Start: 204 @21642 has 1 MA's), (237, 21687), (367, 21903), (395, 21948), (402, 21957), (421, 21996), (448, 22047), (449, 22050), (556, 22245), (581, 22314), (674, 22515), (675, 22518), (683, 22539), (730, 22635), (731, 22638), (733, 22644), (762, 22713), (767, 22731), (769, 22740), (777, 22770), (821, 22866), (831, 22899), (835, 22914), (879, 23055), (899, 23112), (945, 23223),

Gene: Nette_19 Start: 16799, Stop: 18505, Start Num: 175
Candidate Starts for Nette_19:
(48, 16397), (50, 16412), (52, 16421), (56, 16445), (77, 16592), (101, 16691), (Start: 133 @16754 has 1 MA's), (Start: 175 @16799 has 56 MA's), (223, 16865), (Start: 303 @17030 has 11 MA's), (325, 17045), (343, 17084), (344, 17087), (366, 17129), (367, 17132), (409, 17198), (412, 17204), (534, 17420), (562, 17483), (595, 17573), (636, 17618), (669, 17684), (674, 17705), (675, 17708), (691, 17753), (758, 17894), (825, 18029), (826, 18032), (837, 18071), (896, 18221), (912, 18257), (973, 18401), (977, 18422), (985, 18449), (998, 18488),

Gene: Nettuno_17 Start: 14697, Stop: 16406, Start Num: 216
Candidate Starts for Nettuno_17:
(Start: 216 @14697 has 31 MA's), (278, 14814), (304, 14886), (347, 14964), (417, 15087), (427, 15108), (469, 15177), (471, 15180), (491, 15237), (526, 15312), (547, 15366), (583, 15447), (613, 15507), (631, 15513), (704, 15672), (714, 15690), (722, 15705), (731, 15729), (762, 15801), (764, 15804), (768, 15825), (875, 16059), (880, 16074), (894, 16116), (931, 16209), (933, 16212), (951, 16260), (965, 16290), (983, 16347),

Gene: Netyap_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for Netyap_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Neville_28 Start: 23300, Stop: 25042, Start Num: 167
Candidate Starts for Neville_28:
(108, 23222), (Start: 149 @23285 has 1 MA's), (Start: 167 @23300 has 22 MA's), (Start: 181 @23312 has 15 MA's), (Start: 194 @23330 has 44 MA's), (223, 23372), (241, 23399), (275, 23456), (296, 23516), (342, 23591), (343, 23594), (346, 23603), (350, 23612), (366, 23651), (367, 23654), (402,

23708), (412, 23729), (430, 23765), (445, 23795), (465, 23828), (478, 23855), (508, 23915), (546, 23984), (552, 23993), (562, 24008), (571, 24038), (613, 24122), (678, 24248), (717, 24341), (731, 24362), (732, 24365), (762, 24437), (771, 24470), (777, 24491), (824, 24560), (826, 24566), (829, 24575), (875, 24692), (878, 24701), (899, 24761), (914, 24797), (919, 24812), (943, 24848), (945, 24854), (964, 24917), (977, 24959), (985, 24986), (990, 25001), (1002, 25031),

Gene: Newrala_31 Start: 19969, Stop: 21741, Start Num: 156
Candidate Starts for Newrala_31:
(110, 19903), (Start: 136 @19945 has 48 MA's), (Start: 156 @19969 has 559 MA's), (286, 20167), (325, 20206), (366, 20278), (367, 20281), (379, 20299), (402, 20335), (406, 20341), (465, 20452), (469, 20458), (484, 20497), (508, 20539), (536, 20578), (550, 20620), (556, 20623), (575, 20683), (684, 20920), (689, 20935), (731, 21016), (777, 21148), (835, 21274), (852, 21325), (855, 21334), (866, 21373), (867, 21376), (869, 21388), (899, 21472), (943, 21577), (945, 21583), (992, 21718),

Gene: Nhonho_27 Start: 21330, Stop: 23132, Start Num: 159
Candidate Starts for Nhonho_27:
(Start: 159 @21330 has 217 MA's), (Start: 176 @21351 has 45 MA's), (Start: 204 @21393 has 1 MA's), (237, 21438), (367, 21654), (395, 21699), (402, 21708), (421, 21747), (448, 21798), (449, 21801), (495, 21894), (556, 21996), (581, 22065), (674, 22266), (675, 22269), (683, 22290), (730, 22386), (731, 22389), (733, 22395), (762, 22464), (767, 22482), (769, 22491), (777, 22521), (821, 22617), (831, 22650), (835, 22665), (879, 22806), (899, 22863), (945, 22974), (1000, 23127),

Gene: Nibb_22 Start: 16431, Stop: 18197, Start Num: 178
Candidate Starts for Nibb_22:
(Start: 146 @16392 has 1 MA's), (Start: 171 @16422 has 28 MA's), (Start: 178 @16431 has 139 MA's), (198, 16461), (272, 16587), (277, 16602), (295, 16653), (329, 16716), (371, 16818), (376, 16824), (395, 16854), (436, 16932), (441, 16941), (465, 16980), (485, 17028), (491, 17046), (509, 17085), (512, 17088), (527, 17103), (536, 17121), (541, 17139), (551, 17163), (557, 17169), (567, 17196), (590, 17250), (647, 17334), (656, 17352), (724, 17514), (731, 17526), (751, 17574), (774, 17649), (786, 17688), (821, 17733), (831, 17766), (833, 17772), (841, 17799), (879, 17883), (896, 17934), (899, 17940), (948, 18033), (951, 18042), (983, 18129), (1004, 18189),

Gene: Nibbles_20 Start: 16710, Stop: 18404, Start Num: 151
Candidate Starts for Nibbles_20:
(57, 16386), (Start: 151 @16710 has 50 MA's), (341, 16995), (342, 16998), (367, 17043), (377, 17058), (421, 17136), (445, 17181), (495, 17283), (525, 17316), (530, 17328), (534, 17331), (553, 17388), (567, 17421), (572, 17436), (598, 17502), (637, 17544), (644, 17553), (666, 17598), (688, 17661), (730, 17742), (736, 17760), (740, 17769), (744, 17778), (767, 17835), (769, 17844), (835, 17976), (853, 18003), (862, 18024), (878, 18075), (879, 18078), (914, 18174), (925, 18201), (931, 18210), (933, 18213), (945, 18243), (951, 18261), (972, 18306), (998, 18396),

Gene: Nicholas_19 Start: 17373, Stop: 19136, Start Num: 136
Candidate Starts for Nicholas_19:
(Start: 136 @17373 has 48 MA's), (Start: 161 @17400 has 14 MA's), (207, 17463), (241, 17511), (246, 17517), (269, 17553), (296, 17628), (Start: 303 @17652 has 11 MA's), (318, 17658), (346, 17715), (414, 17829), (419, 17841), (478, 17952), (556, 18096), (562, 18108), (572, 18141), (674, 18330), (676, 18336), (695, 18393), (716, 18435), (724, 18444), (731, 18456), (762, 18531), (782, 18600), (785, 18612), (826, 18660), (858, 18726), (881, 18804), (896, 18849), (919, 18906), (951, 18969), (963, 19005), (969, 19020), (977, 19050), (979, 19056), (983, 19068), (985, 19077), (989, 19089),

Gene: Nicholasp3_18 Start: 16994, Stop: 18727, Start Num: 175
Candidate Starts for Nicholasp3_18:

(Start: 175 @16994 has 56 MA's), (223, 17063), (295, 17204), (296, 17207), (327, 17252), (343, 17285), (346, 17294), (366, 17330), (400, 17384), (414, 17411), (419, 17423), (445, 17474), (448, 17480), (469, 17513), (546, 17666), (562, 17690), (564, 17699), (579, 17744), (588, 17759), (636, 17837), (686, 17957), (712, 18020), (746, 18092), (764, 18128), (824, 18248), (826, 18254), (830, 18266), (860, 18329), (888, 18416), (896, 18443), (925, 18512), (935, 18527), (943, 18539), (951, 18563), (977, 18641),

Gene: NicoleTera_32 Start: 22012, Stop: 23784, Start Num: 156
Candidate Starts for NicoleTera_32:
(Start: 136 @21988 has 48 MA's), (Start: 156 @22012 has 559 MA's), (281, 22195), (323, 22246), (325, 22249), (366, 22321), (367, 22324), (402, 22378), (406, 22384), (421, 22417), (465, 22495), (508, 22582), (550, 22663), (556, 22666), (675, 22939), (689, 22978), (730, 23056), (731, 23059), (777, 23191), (808, 23239), (821, 23269), (831, 23302), (835, 23317), (840, 23332), (845, 23353), (855, 23377), (866, 23416), (869, 23431), (881, 23464), (899, 23515), (943, 23620), (945, 23626), (968, 23680),

Gene: NiebruSaylor_55 Start: 32904, Stop: 34640, Start Num: 126
Candidate Starts for NiebruSaylor_55:
(Start: 120 @32895 has 2 MA's), (Start: 126 @32904 has 26 MA's), (Start: 195 @32994 has 1 MA's), (266, 33111), (282, 33147), (291, 33168), (299, 33195), (301, 33201), (322, 33231), (336, 33255), (363, 33306), (437, 33444), (440, 33450), (472, 33501), (473, 33504), (482, 33522), (558, 33573), (566, 33594), (567, 33597), (589, 33645), (591, 33651), (605, 33699), (607, 33705), (611, 33711), (632, 33771), (648, 33795), (650, 33798), (666, 33843), (671, 33858), (674, 33867), (677, 33876), (693, 33921), (704, 33939), (721, 33972), (812, 34110), (820, 34131), (840, 34197), (848, 34227), (865, 34281), (878, 34323), (885, 34344), (892, 34365), (896, 34377), (907, 34398), (928, 34452), (971, 34530), (980, 34566), (986, 34587), (993, 34614),

Gene: Nikao_19 Start: 16697, Stop: 18463, Start Num: 178
Candidate Starts for Nikao_19:
(Start: 178 @16697 has 139 MA's), (Start: 181 @16703 has 15 MA's), (198, 16727), (272, 16853), (277, 16868), (284, 16886), (311, 16949), (371, 17084), (376, 17090), (436, 17198), (441, 17207), (491, 17312), (534, 17381), (536, 17387), (547, 17423), (557, 17435), (579, 17498), (647, 17600), (656, 17618), (670, 17660), (671, 17663), (721, 17768), (751, 17840), (784, 17948), (786, 17954), (821, 17999), (837, 18053), (853, 18074), (879, 18149), (896, 18200), (948, 18299), (954, 18314), (971, 18350), (983, 18395), (993, 18434), (994, 18437), (1004, 18455),

Gene: Niklas_23 Start: 16517, Stop: 18283, Start Num: 178
Candidate Starts for Niklas_23:
(Start: 171 @16508 has 28 MA's), (Start: 178 @16517 has 139 MA's), (Start: 181 @16523 has 15 MA's), (198, 16547), (228, 16586), (272, 16673), (277, 16688), (284, 16706), (295, 16739), (371, 16904), (395, 16940), (436, 17018), (441, 17027), (491, 17132), (492, 17135), (512, 17174), (534, 17201), (536, 17207), (551, 17249), (557, 17255), (567, 17282), (647, 17420), (656, 17438), (688, 17528), (702, 17555), (721, 17588), (751, 17660), (769, 17714), (779, 17750), (786, 17774), (821, 17819), (831, 17852), (835, 17867), (841, 17885), (853, 17894), (879, 17969), (896, 18020), (899, 18026), (951, 18128), (993, 18254), (994, 18257), (1004, 18275),

Gene: Nimbo_16 Start: 14808, Stop: 16517, Start Num: 142
Candidate Starts for Nimbo_16:
(Start: 142 @14808 has 207 MA's), (215, 14895), (Start: 249 @14940 has 2 MA's), (258, 14964), (299, 15069), (301, 15075), (309, 15093), (332, 15123), (390, 15228), (422, 15288), (434, 15309), (437, 15318), (450, 15342), (558, 15468), (564, 15483), (566, 15489), (580, 15525), (582, 15528), (589, 15540), (591, 15546), (605, 15594), (611, 15606), (614, 15612), (648, 15672), (653, 15684), (666, 15720), (670, 15732), (700, 15807), (704, 15816), (713, 15834), (715, 15840), (730, 15870), (806,

15975), (810, 15984), (812, 15987), (825, 16023), (847, 16101), (878, 16200), (885, 16221), (896, 16254), (911, 16284), (919, 16314), (924, 16323), (928, 16329), (944, 16344), (945, 16347), (953, 16368), (955, 16371), (973, 16413), (980, 16443), (992, 16485),

Gene: Nimrod_24 Start: 19991, Stop: 21670, Start Num: 147
Candidate Starts for Nimrod_24:
(Start: 147 @19991 has 120 MA's), (Start: 212 @20075 has 47 MA's), (Start: 260 @20153 has 1 MA's), (296, 20240), (301, 20255), (332, 20303), (349, 20342), (405, 20429), (420, 20462), (437, 20498), (454, 20528), (457, 20534), (538, 20603), (561, 20633), (565, 20645), (566, 20648), (591, 20705), (650, 20837), (651, 20843), (675, 20909), (677, 20915), (686, 20939), (704, 20987), (715, 21011), (721, 21020), (754, 21095), (810, 21146), (819, 21161), (867, 21323), (875, 21350), (885, 21380), (926, 21485), (971, 21563), (980, 21599), (983, 21608), (992, 21641), (998, 21656),

Gene: Nina_19 Start: 16774, Stop: 18471, Start Num: 151
Candidate Starts for Nina_19:
(Start: 141 @16771 has 37 MA's), (Start: 151 @16774 has 50 MA's), (287, 16984), (367, 17107), (400, 17158), (445, 17245), (449, 17254), (462, 17275), (473, 17290), (477, 17302), (525, 17380), (530, 17392), (541, 17419), (553, 17452), (567, 17485), (571, 17497), (590, 17539), (666, 17662), (691, 17734), (731, 17812), (736, 17827), (744, 17845), (767, 17902), (821, 17995), (832, 18031), (835, 18043), (837, 18049), (841, 18061), (853, 18070), (878, 18142), (879, 18145), (881, 18151), (885, 18163), (909, 18223), (925, 18268), (931, 18277), (945, 18310), (973, 18376),

Gene: Nitzel_17 Start: 15550, Stop: 17259, Start Num: 144
Candidate Starts for Nitzel_17:
(Start: 144 @15550 has 2 MA's), (Start: 249 @15682 has 2 MA's), (258, 15706), (261, 15715), (291, 15784), (301, 15817), (309, 15835), (320, 15844), (390, 15970), (422, 16030), (434, 16051), (437, 16060), (450, 16084), (475, 16126), (535, 16159), (536, 16162), (539, 16171), (544, 16186), (546, 16192), (558, 16210), (564, 16225), (566, 16231), (580, 16267), (582, 16270), (589, 16282), (591, 16288), (593, 16297), (605, 16336), (611, 16348), (666, 16462), (670, 16474), (683, 16507), (700, 16549), (704, 16558), (713, 16576), (715, 16582), (806, 16717), (812, 16729), (825, 16765), (847, 16843), (911, 17026), (918, 17053), (919, 17056), (924, 17065), (928, 17071), (944, 17086), (953, 17110), (955, 17113), (959, 17122), (973, 17155), (992, 17227),

Gene: Nivrat_16 Start: 14812, Stop: 16521, Start Num: 142
Candidate Starts for Nivrat_16:
(Start: 142 @14812 has 207 MA's), (215, 14899), (Start: 249 @14944 has 2 MA's), (258, 14968), (299, 15073), (301, 15079), (309, 15097), (332, 15127), (390, 15232), (419, 15286), (422, 15292), (425, 15301), (437, 15322), (450, 15346), (473, 15382), (475, 15388), (535, 15421), (536, 15424), (539, 15433), (544, 15448), (546, 15454), (558, 15472), (564, 15487), (566, 15493), (572, 15511), (573, 15514), (580, 15529), (589, 15544), (591, 15550), (605, 15598), (611, 15610), (614, 15616), (648, 15676), (653, 15688), (666, 15724), (670, 15736), (700, 15811), (704, 15820), (713, 15838), (715, 15844), (730, 15874), (806, 15979), (812, 15991), (825, 16027), (847, 16105), (885, 16225), (896, 16258), (911, 16288), (913, 16300), (919, 16318), (922, 16324), (924, 16327), (928, 16333), (944, 16348), (945, 16351), (953, 16372), (955, 16375), (973, 16417), (980, 16447), (992, 16489), (993, 16495),

Gene: Niza_29 Start: 22150, Stop: 23952, Start Num: 159
Candidate Starts for Niza_29:
(Start: 159 @22150 has 217 MA's), (Start: 176 @22171 has 45 MA's), (Start: 204 @22213 has 1 MA's), (237, 22258), (367, 22474), (395, 22519), (402, 22528), (421, 22567), (448, 22618), (449, 22621), (556, 22816), (581, 22885), (604, 22945), (674, 23086), (675, 23089), (683, 23110), (730, 23206), (731, 23209), (733, 23215), (762, 23284), (767, 23302), (769, 23311), (777, 23341), (821, 23437), (831, 23470), (835, 23485), (879, 23626), (899, 23683), (945, 23794),

Gene: NoShow_18 Start: 15497, Stop: 17335, Start Num: 139
Candidate Starts for NoShow_18:
(Start: 139 @15497 has 4 MA's), (237, 15614), (272, 15689), (277, 15704), (296, 15758), (323, 15806), (408, 15977), (448, 16055), (449, 16058), (465, 16082), (478, 16109), (504, 16178), (505, 16181), (517, 16229), (534, 16259), (536, 16265), (541, 16283), (542, 16286), (557, 16313), (563, 16328), (579, 16376), (587, 16388), (644, 16475), (653, 16490), (682, 16571), (707, 16628), (721, 16649), (730, 16670), (787, 16838), (851, 16940), (858, 16949), (866, 16976), (875, 17006), (896, 17069), (899, 17075), (948, 17168), (991, 17294), (993, 17303),

Gene: NoSleep_25 Start: 19485, Stop: 21164, Start Num: 147
Candidate Starts for NoSleep_25:
(Start: 147 @19485 has 120 MA's), (Start: 212 @19569 has 47 MA's), (Start: 260 @19647 has 1 MA's), (296, 19734), (301, 19749), (332, 19797), (349, 19836), (405, 19923), (420, 19956), (437, 19992), (454, 20022), (457, 20028), (538, 20097), (561, 20127), (565, 20139), (566, 20142), (591, 20199), (650, 20331), (651, 20337), (675, 20403), (677, 20409), (686, 20433), (704, 20481), (715, 20505), (721, 20514), (754, 20589), (810, 20640), (819, 20655), (867, 20817), (875, 20844), (885, 20874), (926, 20979), (971, 21057), (980, 21093), (983, 21102), (992, 21135), (998, 21150),

Gene: Nodigi_20 Start: 15752, Stop: 17443, Start Num: 141
Candidate Starts for Nodigi_20:
(29, 15278), (49, 15389), (122, 15725), (Start: 141 @15752 has 37 MA's), (Start: 151 @15755 has 50 MA's), (223, 15839), (259, 15896), (323, 15995), (344, 16046), (445, 16223), (462, 16253), (477, 16280), (484, 16301), (488, 16310), (495, 16325), (525, 16355), (530, 16367), (535, 16373), (536, 16376), (540, 16391), (567, 16460), (598, 16541), (637, 16583), (644, 16592), (654, 16610), (672, 16655), (702, 16739), (727, 16775), (730, 16778), (731, 16781), (736, 16796), (744, 16814), (767, 16871), (775, 16904), (832, 17000), (835, 17012), (837, 17018), (840, 17027), (853, 17039), (878, 17111), (879, 17114), (880, 17117), (885, 17132), (931, 17249), (945, 17282), (948, 17291), (992, 17420), (998, 17435),

Gene: Noella_28 Start: 20456, Stop: 22255, Start Num: 156
Candidate Starts for Noella_28:
(Start: 156 @20456 has 559 MA's), (Start: 204 @20516 has 1 MA's), (254, 20585), (Start: 303 @20687 has 11 MA's), (323, 20699), (325, 20702), (367, 20777), (376, 20792), (402, 20831), (475, 20966), (508, 21035), (567, 21149), (615, 21275), (674, 21389), (683, 21413), (687, 21425), (689, 21431), (731, 21512), (762, 21587), (767, 21605), (769, 21614), (775, 21638), (777, 21644), (782, 21659), (800, 21692), (820, 21737), (821, 21740), (828, 21761), (867, 21890), (899, 21986), (943, 22091), (945, 22097), (992, 22232),

Gene: Noelle_27 Start: 19888, Stop: 21681, Start Num: 162
Candidate Starts for Noelle_27:
(Start: 136 @19858 has 48 MA's), (Start: 156 @19882 has 559 MA's), (Start: 162 @19888 has 5 MA's), (Start: 204 @19942 has 1 MA's), (254, 20011), (259, 20026), (286, 20089), (Start: 303 @20113 has 11 MA's), (323, 20125), (325, 20128), (367, 20203), (376, 20218), (449, 20350), (465, 20374), (508, 20461), (567, 20575), (581, 20614), (615, 20701), (644, 20746), (674, 20815), (683, 20839), (689, 20857), (731, 20938), (762, 21013), (767, 21031), (775, 21064), (777, 21070), (782, 21085), (790, 21109), (820, 21163), (821, 21166), (828, 21187), (899, 21412), (943, 21517), (945, 21523), (992, 21658),

Gene: Norbert_27 Start: 20455, Stop: 22254, Start Num: 156
Candidate Starts for Norbert_27:
(Start: 156 @20455 has 559 MA's), (Start: 204 @20515 has 1 MA's), (254, 20584), (Start: 303 @20686 has 11 MA's), (323, 20698), (325, 20701), (367, 20776), (376, 20791), (402, 20830), (475, 20965),

(508, 21034), (567, 21148), (615, 21274), (674, 21388), (683, 21412), (687, 21424), (689, 21430), (731, 21511), (762, 21586), (767, 21604), (769, 21613), (775, 21637), (777, 21643), (782, 21658), (800, 21691), (820, 21736), (821, 21739), (828, 21760), (867, 21889), (899, 21985), (943, 22090), (945, 22096), (992, 22231),

Gene: Nordenberg_29 Start: 29943, Stop: 31706, Start Num: 111
Candidate Starts for Nordenberg_29:
(104, 29925), (Start: 111 @29943 has 74 MA's), (Start: 131 @29979 has 1 MA's), (238, 30117), (285, 30213), (289, 30222), (340, 30291), (367, 30342), (395, 30387), (406, 30402), (448, 30483), (475, 30528), (478, 30537), (535, 30627), (543, 30657), (550, 30672), (562, 30696), (571, 30726), (641, 30831), (689, 30948), (695, 30966), (699, 30981), (723, 31011), (730, 31023), (731, 31026), (740, 31053), (879, 31377), (880, 31380), (896, 31428), (909, 31455), (917, 31482), (943, 31536), (951, 31560), (952, 31563), (984, 31653), (1000, 31701),

Gene: NormanBulbieJr_16 Start: 14800, Stop: 16509, Start Num: 142
Candidate Starts for NormanBulbieJr_16:
(Start: 142 @14800 has 207 MA's), (215, 14887), (Start: 249 @14932 has 2 MA's), (258, 14956), (299, 15061), (301, 15067), (309, 15085), (332, 15115), (390, 15220), (422, 15280), (434, 15301), (437, 15310), (450, 15334), (558, 15460), (564, 15475), (566, 15481), (580, 15517), (582, 15520), (589, 15532), (591, 15538), (605, 15586), (611, 15598), (614, 15604), (648, 15664), (653, 15676), (666, 15712), (670, 15724), (700, 15799), (704, 15808), (713, 15826), (715, 15832), (730, 15862), (806, 15967), (812, 15979), (825, 16015), (847, 16093), (878, 16192), (885, 16213), (896, 16246), (911, 16276), (913, 16288), (919, 16306), (922, 16312), (924, 16315), (928, 16321), (944, 16336), (945, 16339), (953, 16360), (955, 16363), (973, 16405), (980, 16435), (992, 16477), (993, 16483),

Gene: NorthStar_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for NorthStar_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Norvs_49 Start: 29614, Stop: 31305, Start Num: 165
Candidate Starts for Norvs_49:
(Start: 165 @29614 has 14 MA's), (207, 29674), (229, 29707), (Start: 249 @29737 has 2 MA's), (250, 29740), (317, 29899), (322, 29908), (392, 30037), (418, 30085), (591, 30298), (592, 30304), (600, 30328), (661, 30457), (666, 30478), (677, 30511), (754, 30709), (844, 30862), (875, 30961), (879, 30973), (882, 30982), (913, 31066), (981, 31213), (991, 31249),

Gene: Norz_29 Start: 21986, Stop: 23788, Start Num: 159
Candidate Starts for Norz_29:
(Start: 159 @21986 has 217 MA's), (Start: 176 @22007 has 45 MA's), (Start: 204 @22049 has 1 MA's), (237, 22094), (367, 22310), (395, 22355), (402, 22364), (421, 22403), (448, 22454), (449, 22457), (556, 22652), (581, 22721), (674, 22922), (675, 22925), (683, 22946), (730, 23042), (731, 23045), (733, 23051), (762, 23120), (767, 23138), (769, 23147), (777, 23177), (821, 23273), (831, 23306), (835, 23321), (879, 23462), (899, 23519), (945, 23630),

Gene: NosilaM_44 Start: 30458, Stop: 32074, Start Num: 202
Candidate Starts for NosilaM_44:

(Start: 202 @30458 has 36 MA's), (277, 30572), (313, 30656), (417, 30839), (458, 30905), (469, 30920), (481, 30944), (519, 31031), (535, 31061), (536, 31064), (562, 31121), (590, 31193), (663, 31298), (704, 31385), (728, 31433), (773, 31559), (785, 31595), (861, 31706), (885, 31781), (968, 31958), (980, 32000), (998, 32057),

Gene: NotAPhaseMom_27 Start: 19831, Stop: 21609, Start Num: 156
Candidate Starts for NotAPhaseMom_27:
(Start: 136 @19807 has 48 MA's), (Start: 156 @19831 has 559 MA's), (Start: 204 @19888 has 1 MA's), (241, 19942), (254, 19957), (Start: 260 @19975 has 1 MA's), (Start: 303 @20059 has 11 MA's), (323, 20071), (325, 20074), (367, 20149), (376, 20164), (402, 20203), (465, 20320), (508, 20407), (550, 20488), (572, 20536), (581, 20560), (615, 20647), (644, 20692), (675, 20764), (683, 20785), (689, 20803), (731, 20884), (767, 20977), (769, 20986), (775, 21010), (777, 21016), (784, 21040), (821, 21094), (828, 21115), (842, 21166), (850, 21190), (867, 21244), (899, 21340), (943, 21445), (948, 21460), (987, 21568), (992, 21586),

Gene: NothingSpecial_30 Start: 22209, Stop: 23981, Start Num: 156
Candidate Starts for NothingSpecial_30:
(110, 22143), (Start: 136 @22185 has 48 MA's), (Start: 156 @22209 has 559 MA's), (259, 22344), (269, 22362), (323, 22443), (325, 22446), (366, 22518), (367, 22521), (402, 22575), (406, 22581), (465, 22692), (488, 22746), (508, 22779), (550, 22860), (556, 22863), (607, 23004), (615, 23019), (622, 23034), (675, 23136), (731, 23256), (777, 23388), (784, 23412), (828, 23487), (831, 23499), (835, 23514), (837, 23520), (866, 23613), (869, 23628), (899, 23712), (943, 23817), (945, 23823), (968, 23877),

Gene: November_22 Start: 17472, Stop: 19238, Start Num: 178
Candidate Starts for November_22:
(Start: 178 @17472 has 139 MA's), (198, 17502), (272, 17628), (277, 17643), (284, 17661), (295, 17694), (311, 17724), (329, 17757), (335, 17769), (371, 17859), (395, 17895), (400, 17901), (441, 17982), (488, 18075), (491, 18087), (492, 18090), (509, 18126), (527, 18144), (536, 18162), (541, 18180), (551, 18204), (557, 18210), (567, 18237), (579, 18273), (656, 18393), (688, 18483), (702, 18510), (724, 18555), (751, 18615), (774, 18690), (782, 18714), (832, 18810), (841, 18840), (853, 18849), (879, 18924), (951, 19083), (993, 19209), (994, 19212), (1004, 19230),

Gene: NovumRegina_41 Start: 30206, Stop: 31819, Start Num: 202
Candidate Starts for NovumRegina_41:
(Start: 202 @30206 has 36 MA's), (Start: 231 @30242 has 1 MA's), (242, 30260), (277, 30320), (406, 30560), (410, 30572), (417, 30587), (458, 30653), (469, 30668), (481, 30692), (482, 30695), (519, 30779), (535, 30809), (536, 30812), (562, 30869), (576, 30917), (577, 30920), (590, 30941), (663, 31046), (686, 31091), (704, 31133), (773, 31307), (783, 31337), (785, 31343), (860, 31451), (861, 31454), (885, 31529), (980, 31748), (998, 31805),

Gene: Nubi_31 Start: 25863, Stop: 27629, Start Num: 111
Candidate Starts for Nubi_31:
(93, 25821), (Start: 111 @25863 has 74 MA's), (Start: 131 @25899 has 1 MA's), (Start: 159 @25932 has 217 MA's), (287, 26142), (289, 26145), (323, 26175), (351, 26241), (367, 26265), (372, 26274), (393, 26307), (478, 26460), (495, 26499), (535, 26550), (539, 26562), (543, 26580), (548, 26592), (553, 26604), (562, 26619), (571, 26649), (572, 26652), (579, 26673), (636, 26745), (663, 26793), (699, 26904), (724, 26937), (740, 26976), (743, 26979), (769, 27051), (803, 27117), (809, 27129), (879, 27300), (880, 27303), (896, 27351), (909, 27378), (917, 27405), (919, 27411), (943, 27459), (984, 27576), (990, 27597), (1000, 27624),

Gene: Nutello_19 Start: 16697, Stop: 18463, Start Num: 178
Candidate Starts for Nutello_19:

(Start: 178 @16697 has 139 MA's), (Start: 181 @16703 has 15 MA's), (198, 16727), (272, 16853), (277, 16868), (284, 16886), (311, 16949), (371, 17084), (376, 17090), (436, 17198), (441, 17207), (491, 17312), (534, 17381), (536, 17387), (547, 17423), (557, 17435), (579, 17498), (647, 17600), (656, 17618), (670, 17660), (671, 17663), (721, 17768), (751, 17840), (784, 17948), (786, 17954), (821, 17999), (837, 18053), (853, 18074), (879, 18149), (896, 18200), (948, 18299), (954, 18314), (971, 18350), (983, 18395), (993, 18434), (994, 18437), (1004, 18455),

Gene: Nyceirae_23 Start: 18768, Stop: 20426, Start Num: 219
Candidate Starts for Nyceirae_23:
(124, 18639), (Start: 194 @18732 has 44 MA's), (Start: 219 @18768 has 2 MA's), (Start: 225 @18780 has 3 MA's), (277, 18894), (290, 18924), (309, 18978), (345, 19044), (347, 19050), (411, 19161), (415, 19170), (428, 19197), (432, 19203), (434, 19206), (444, 19227), (487, 19311), (565, 19398), (566, 19401), (592, 19467), (597, 19482), (618, 19536), (626, 19566), (636, 19575), (661, 19617), (666, 19638), (683, 19686), (687, 19698), (695, 19725), (726, 19794), (759, 19863), (806, 19896), (828, 19953), (843, 20004), (864, 20073), (893, 20160), (899, 20175), (920, 20232), (926, 20241), (953, 20280), (969, 20319), (972, 20325),

Gene: Nymphadora_19 Start: 17764, Stop: 19362, Start Num: 213
Candidate Starts for Nymphadora_19:
(Start: 213 @17764 has 53 MA's), (358, 18022), (367, 18040), (369, 18043), (406, 18097), (443, 18172), (479, 18241), (483, 18250), (488, 18262), (509, 18313), (521, 18340), (526, 18349), (528, 18352), (585, 18385), (613, 18442), (663, 18508), (700, 18619), (714, 18643), (730, 18679), (768, 18781), (784, 18838), (836, 18928), (933, 19168), (965, 19246),

Gene: Nyxis_27 Start: 19770, Stop: 21548, Start Num: 156
Candidate Starts for Nyxis_27:
(Start: 136 @19746 has 48 MA's), (Start: 156 @19770 has 559 MA's), (Start: 204 @19827 has 1 MA's), (241, 19881), (254, 19896), (Start: 260 @19914 has 1 MA's), (Start: 303 @19998 has 11 MA's), (323, 20010), (325, 20013), (367, 20088), (376, 20103), (402, 20142), (465, 20259), (508, 20346), (550, 20427), (572, 20475), (581, 20499), (615, 20586), (644, 20631), (675, 20703), (683, 20724), (689, 20742), (731, 20823), (767, 20916), (769, 20925), (775, 20949), (777, 20955), (784, 20979), (821, 21033), (828, 21054), (842, 21105), (850, 21129), (899, 21279), (943, 21384), (948, 21399), (987, 21507), (992, 21525),

Gene: OBUpride_22 Start: 17400, Stop: 19142, Start Num: 176
Candidate Starts for OBUpride_22:
(Start: 176 @17400 has 45 MA's), (Start: 181 @17409 has 15 MA's), (Start: 212 @17451 has 47 MA's), (248, 17502), (258, 17526), (263, 17538), (272, 17559), (277, 17574), (284, 17592), (296, 17625), (307, 17652), (342, 17724), (382, 17814), (427, 17898), (433, 17907), (445, 17928), (479, 17994), (490, 18021), (506, 18054), (527, 18072), (537, 18093), (541, 18108), (542, 18111), (571, 18177), (572, 18180), (599, 18246), (612, 18258), (630, 18267), (632, 18270), (671, 18357), (690, 18411), (715, 18456), (720, 18462), (749, 18534), (762, 18564), (769, 18591), (779, 18627), (782, 18636), (831, 18714), (889, 18858), (894, 18876), (899, 18888), (907, 18903), (908, 18906), (915, 18927), (925, 18939), (951, 18987), (967, 19020), (989, 19095), (993, 19113), (1004, 19134),

Gene: ODay_25 Start: 18641, Stop: 20350, Start Num: 157
Candidate Starts for ODay_25:
(Start: 157 @18641 has 24 MA's), (170, 18653), (172, 18656), (197, 18695), (289, 18860), (346, 18953), (379, 19004), (383, 19013), (395, 19031), (417, 19073), (421, 19079), (433, 19103), (435, 19109), (445, 19127), (475, 19178), (477, 19184), (488, 19214), (523, 19256), (535, 19277), (537, 19283), (543, 19307), (567, 19358), (568, 19361), (577, 19391), (581, 19397), (670, 19541), (740, 19703), (767, 19769), (769, 19778), (774, 19799), (826, 19892), (832, 19913), (835, 19925), (837, 19931), (840, 19940), (841, 19943), (868, 19997), (879, 20027), (904, 20096), (943, 20183), (945,

20189), (967, 20240), (980, 20285), (992, 20327), (1000, 20345),

Gene: OKCentral2016_27 Start: 19492, Stop: 21270, Start Num: 156
Candidate Starts for OKCentral2016_27:
(Start: 136 @19468 has 48 MA's), (Start: 156 @19492 has 559 MA's), (Start: 204 @19549 has 1 MA's), (215, 19564), (254, 19618), (Start: 303 @19720 has 11 MA's), (323, 19732), (325, 19735), (367, 19810), (376, 19825), (402, 19864), (465, 19981), (475, 19999), (508, 20068), (546, 20143), (567, 20182), (581, 20221), (615, 20308), (635, 20338), (644, 20353), (669, 20401), (683, 20446), (687, 20458), (689, 20464), (730, 20542), (731, 20545), (767, 20638), (769, 20647), (775, 20671), (777, 20677), (782, 20692), (808, 20725), (828, 20776), (833, 20794), (844, 20833), (845, 20839), (879, 20944), (899, 21001), (911, 21025), (912, 21031), (943, 21106), (945, 21112), (948, 21121), (992, 21247),

Gene: OKaNui_28 Start: 19880, Stop: 21658, Start Num: 156
Candidate Starts for OKaNui_28:
(Start: 136 @19856 has 48 MA's), (Start: 156 @19880 has 559 MA's), (Start: 204 @19937 has 1 MA's), (241, 19991), (254, 20006), (Start: 260 @20024 has 1 MA's), (Start: 303 @20108 has 11 MA's), (323, 20120), (325, 20123), (367, 20198), (376, 20213), (402, 20252), (465, 20369), (508, 20456), (550, 20537), (572, 20585), (581, 20609), (615, 20696), (644, 20741), (675, 20813), (683, 20834), (689, 20852), (731, 20933), (767, 21026), (769, 21035), (775, 21059), (777, 21065), (784, 21089), (821, 21143), (828, 21164), (842, 21215), (850, 21239), (867, 21293), (899, 21389), (943, 21494), (948, 21509), (987, 21617), (992, 21635),

Gene: ObLaDi_19 Start: 16527, Stop: 18191, Start Num: 167
Candidate Starts for ObLaDi_19:
(Start: 153 @16512 has 9 MA's), (Start: 167 @16527 has 22 MA's), (Start: 171 @16533 has 28 MA's), (193, 16563), (Start: 196 @16572 has 2 MA's), (346, 16806), (367, 16839), (397, 16887), (436, 16962), (462, 17007), (508, 17097), (525, 17112), (545, 17166), (550, 17175), (567, 17208), (577, 17241), (581, 17247), (703, 17481), (712, 17493), (730, 17520), (740, 17553), (758, 17592), (762, 17601), (782, 17673), (811, 17688), (821, 17712), (835, 17760), (874, 17847), (881, 17868), (905, 17934), (933, 18000), (951, 18048), (984, 18138), (1000, 18186),

Gene: Obama12_28 Start: 20140, Stop: 21921, Start Num: 156
Candidate Starts for Obama12_28:
(Start: 136 @20116 has 48 MA's), (Start: 156 @20140 has 559 MA's), (Start: 162 @20146 has 5 MA's), (Start: 204 @20200 has 1 MA's), (215, 20215), (254, 20269), (Start: 260 @20287 has 1 MA's), (Start: 303 @20371 has 11 MA's), (323, 20383), (325, 20386), (367, 20461), (376, 20476), (402, 20515), (465, 20632), (508, 20719), (550, 20800), (572, 20848), (581, 20872), (615, 20959), (644, 21004), (675, 21076), (683, 21097), (689, 21115), (731, 21196), (762, 21271), (767, 21289), (769, 21298), (775, 21322), (777, 21328), (784, 21352), (819, 21394), (821, 21406), (828, 21427), (842, 21478), (850, 21502), (867, 21556), (899, 21652), (943, 21757), (948, 21772), (987, 21880), (992, 21898),

Gene: Obliviate_18 Start: 16440, Stop: 18086, Start Num: 227
Candidate Starts for Obliviate_18:
(203, 16404), (Start: 227 @16440 has 45 MA's), (283, 16542), (318, 16620), (321, 16623), (374, 16719), (396, 16758), (424, 16818), (435, 16839), (468, 16893), (475, 16908), (591, 17079), (600, 17109), (677, 17292), (686, 17316), (700, 17367), (739, 17460), (744, 17472), (765, 17517), (799, 17532), (843, 17664), (844, 17667), (875, 17766), (881, 17784), (899, 17835), (925, 17901), (963, 17964), (968, 17976),

Gene: Ochi17_16 Start: 15041, Stop: 16750, Start Num: 142
Candidate Starts for Ochi17_16:

(Start: 142 @15041 has 207 MA's), (215, 15128), (232, 15149), (Start: 249 @15173 has 2 MA's), (258, 15197), (266, 15218), (299, 15302), (301, 15308), (309, 15326), (332, 15356), (390, 15461), (419, 15515), (422, 15521), (432, 15539), (434, 15542), (437, 15551), (450, 15575), (535, 15650), (539, 15662), (544, 15677), (546, 15683), (558, 15701), (564, 15716), (566, 15722), (574, 15749), (580, 15758), (589, 15773), (591, 15779), (605, 15827), (611, 15839), (614, 15845), (648, 15905), (653, 15917), (666, 15953), (670, 15965), (677, 15986), (700, 16040), (704, 16049), (713, 16067), (715, 16073), (730, 16103), (806, 16208), (810, 16217), (812, 16220), (825, 16256), (836, 16295), (847, 16334), (885, 16454), (896, 16487), (911, 16517), (919, 16547), (924, 16556), (928, 16562), (944, 16577), (945, 16580), (953, 16601), (955, 16604), (971, 16640), (973, 16646), (980, 16676), (992, 16718),

Gene: OctaviousRex_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for OctaviousRex_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Octobien14_28 Start: 22738, Stop: 24489, Start Num: 167
Candidate Starts for Octobien14_28:
(Start: 149 @22723 has 1 MA's), (Start: 167 @22738 has 22 MA's), (Start: 181 @22759 has 15 MA's), (184, 22762), (223, 22819), (238, 22840), (241, 22846), (Start: 260 @22873 has 1 MA's), (270, 22891), (274, 22900), (275, 22903), (298, 22969), (300, 22975), (Start: 303 @22987 has 11 MA's), (342, 23038), (343, 23041), (350, 23059), (414, 23179), (435, 23224), (445, 23242), (478, 23302), (479, 23308), (485, 23323), (508, 23362), (542, 23416), (546, 23431), (552, 23440), (562, 23455), (564, 23464), (572, 23488), (579, 23509), (602, 23563), (622, 23581), (635, 23596), (636, 23599), (668, 23662), (670, 23674), (678, 23698), (690, 23731), (731, 23812), (771, 23920), (773, 23929), (778, 23944), (808, 23971), (826, 24016), (862, 24097), (881, 24157), (899, 24208), (914, 24244), (943, 24295), (945, 24301), (950, 24316), (954, 24325), (964, 24364), (971, 24379), (977, 24406), (986, 24436), (990, 24448), (1002, 24478),

Gene: Odette_36 Start: 26877, Stop: 28610, Start Num: 141
Candidate Starts for Odette_36:
(Start: 141 @26877 has 37 MA's), (Start: 212 @26967 has 47 MA's), (245, 27015), (258, 27045), (272, 27072), (317, 27174), (334, 27204), (385, 27303), (407, 27339), (409, 27345), (420, 27366), (457, 27438), (464, 27447), (475, 27468), (546, 27537), (566, 27576), (567, 27579), (572, 27594), (591, 27633), (605, 27681), (611, 27693), (614, 27699), (630, 27747), (635, 27756), (650, 27777), (658, 27795), (673, 27843), (713, 27945), (740, 28005), (746, 28017), (819, 28101), (821, 28113), (822, 28119), (827, 28131), (828, 28134), (839, 28173), (844, 28191), (857, 28227), (858, 28233), (885, 28320), (918, 28410), (948, 28452), (958, 28470), (969, 28500), (981, 28542), (998, 28596),

Gene: Odin_27 Start: 18961, Stop: 20751, Start Num: 156
Candidate Starts for Odin_27:
(110, 18895), (Start: 136 @18937 has 48 MA's), (Start: 156 @18961 has 559 MA's), (269, 19114), (323, 19195), (325, 19198), (366, 19270), (367, 19273), (376, 19288), (402, 19327), (406, 19333), (465, 19444), (469, 19450), (479, 19477), (508, 19531), (550, 19612), (615, 19771), (635, 19801), (689, 19927), (712, 19978), (731, 20008), (775, 20134), (793, 20188), (813, 20215), (819, 20224), (821, 20236), (831, 20269), (835, 20284), (842, 20308), (866, 20383), (867, 20386), (869, 20398), (899, 20482), (943, 20587), (964, 20638), (968, 20647), (992, 20728),

Gene: OfUltron_16 Start: 15041, Stop: 16750, Start Num: 142

Candidate Starts for OfUltron_16:
(Start: 142 @15041 has 207 MA's), (215, 15128), (232, 15149), (Start: 249 @15173 has 2 MA's), (258, 15197), (266, 15218), (299, 15302), (301, 15308), (309, 15326), (332, 15356), (390, 15461), (419, 15515), (422, 15521), (432, 15539), (434, 15542), (437, 15551), (450, 15575), (535, 15650), (539, 15662), (544, 15677), (546, 15683), (558, 15701), (564, 15716), (566, 15722), (574, 15749), (580, 15758), (589, 15773), (591, 15779), (605, 15827), (611, 15839), (614, 15845), (648, 15905), (653, 15917), (666, 15953), (670, 15965), (677, 15986), (700, 16040), (704, 16049), (713, 16067), (715, 16073), (730, 16103), (806, 16208), (810, 16217), (812, 16220), (825, 16256), (836, 16295), (847, 16334), (885, 16454), (896, 16487), (911, 16517), (919, 16547), (924, 16556), (928, 16562), (944, 16577), (945, 16580), (953, 16601), (955, 16604), (971, 16640), (973, 16646), (980, 16676), (992, 16718),

Gene: Ogopogo_19 Start: 15066, Stop: 16775, Start Num: 142
Candidate Starts for Ogopogo_19:
(Start: 142 @15066 has 207 MA's), (215, 15153), (232, 15174), (Start: 249 @15198 has 2 MA's), (258, 15222), (266, 15243), (299, 15327), (301, 15333), (309, 15351), (332, 15381), (390, 15486), (419, 15540), (422, 15546), (425, 15555), (434, 15567), (437, 15576), (450, 15600), (475, 15642), (535, 15675), (546, 15708), (558, 15726), (564, 15741), (566, 15747), (580, 15783), (589, 15798), (591, 15804), (605, 15852), (611, 15864), (614, 15870), (648, 15930), (666, 15978), (670, 15990), (700, 16065), (704, 16074), (713, 16092), (715, 16098), (730, 16128), (806, 16233), (812, 16245), (825, 16281), (885, 16479), (896, 16512), (911, 16542), (913, 16554), (919, 16572), (924, 16581), (928, 16587), (944, 16602), (945, 16605), (953, 16626), (955, 16629), (973, 16671), (980, 16701), (992, 16743), (993, 16749),

Gene: OhShagHennessy_18 Start: 16711, Stop: 18480, Start Num: 136
Candidate Starts for OhShagHennessy_18:
(Start: 103 @16648 has 1 MA's), (Start: 111 @16669 has 74 MA's), (Start: 119 @16684 has 3 MA's), (Start: 136 @16711 has 48 MA's), (207, 16804), (241, 16852), (246, 16858), (265, 16885), (269, 16894), (295, 16966), (298, 16975), (318, 16999), (327, 17014), (342, 17044), (414, 17170), (417, 17179), (427, 17200), (435, 17215), (475, 17284), (488, 17320), (501, 17341), (542, 17410), (562, 17449), (636, 17587), (644, 17599), (674, 17674), (676, 17680), (683, 17698), (695, 17737), (712, 17770), (716, 17779), (724, 17788), (730, 17797), (774, 17920), (785, 17956), (826, 18004), (830, 18016), (858, 18070), (888, 18166), (893, 18184), (895, 18190), (896, 18193), (912, 18226), (919, 18250), (951, 18313), (965, 18355), (977, 18394), (983, 18412), (989, 18433), (994, 18454),

Gene: Ohfah_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Ohfah_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Ohgeesy_19 Start: 17387, Stop: 18985, Start Num: 213
Candidate Starts for Ohgeesy_19:
(Start: 213 @17387 has 53 MA's), (356, 17636), (358, 17645), (367, 17663), (369, 17666), (406, 17720), (443, 17795), (479, 17864), (483, 17873), (488, 17885), (491, 17897), (509, 17936), (521, 17963), (526, 17972), (528, 17975), (585, 18008), (613, 18065), (663, 18131), (700, 18242), (730, 18302), (768, 18404), (784, 18461), (836, 18551), (933, 18791), (965, 18869),

Gene: Ohno789_27 Start: 20972, Stop: 22774, Start Num: 159

Candidate Starts for Ohno789_27:
(Start: 159 @20972 has 217 MA's), (Start: 176 @20993 has 45 MA's), (Start: 204 @21035 has 1 MA's), (237, 21080), (367, 21296), (395, 21341), (402, 21350), (421, 21389), (448, 21440), (449, 21443), (556, 21638), (581, 21707), (674, 21908), (675, 21911), (683, 21932), (730, 22028), (731, 22031), (733, 22037), (762, 22106), (767, 22124), (769, 22133), (777, 22163), (821, 22259), (831, 22292), (835, 22307), (879, 22448), (899, 22505), (945, 22616),

Gene: OkiRoe_21 Start: 17496, Stop: 19268, Start Num: 181
Candidate Starts for OkiRoe_21:
(Start: 181 @17496 has 15 MA's), (Start: 186 @17502 has 1 MA's), (201, 17526), (228, 17559), (256, 17607), (277, 17661), (295, 17712), (329, 17775), (376, 17883), (436, 17991), (491, 18105), (492, 18108), (512, 18147), (534, 18174), (536, 18180), (551, 18222), (557, 18228), (571, 18267), (579, 18291), (647, 18393), (671, 18456), (687, 18501), (751, 18636), (782, 18735), (824, 18813), (831, 18837), (837, 18858), (879, 18954), (881, 18960), (951, 19113), (988, 19218), (989, 19221), (993, 19239),

Gene: Oksu_17 Start: 14871, Stop: 16580, Start Num: 142
Candidate Starts for Oksu_17:
(Start: 142 @14871 has 207 MA's), (215, 14958), (Start: 249 @15003 has 2 MA's), (258, 15027), (299, 15132), (301, 15138), (309, 15156), (332, 15186), (390, 15291), (422, 15351), (434, 15372), (437, 15381), (450, 15405), (535, 15480), (558, 15531), (564, 15546), (566, 15552), (580, 15588), (589, 15603), (591, 15609), (605, 15657), (611, 15669), (614, 15675), (648, 15735), (653, 15747), (666, 15783), (670, 15795), (677, 15816), (700, 15870), (704, 15879), (713, 15897), (715, 15903), (730, 15933), (806, 16038), (810, 16047), (812, 16050), (825, 16086), (847, 16164), (878, 16263), (885, 16284), (896, 16317), (911, 16347), (919, 16377), (924, 16386), (928, 16392), (944, 16407), (945, 16410), (953, 16431), (955, 16434), (971, 16470), (973, 16476), (992, 16548),

Gene: OlanP_29 Start: 20640, Stop: 22436, Start Num: 156
Candidate Starts for OlanP_29:
(Start: 156 @20640 has 559 MA's), (Start: 204 @20697 has 1 MA's), (215, 20712), (254, 20766), (259, 20781), (Start: 303 @20868 has 11 MA's), (323, 20880), (325, 20883), (367, 20958), (376, 20973), (508, 21216), (581, 21369), (615, 21456), (674, 21570), (683, 21594), (689, 21612), (731, 21693), (762, 21768), (767, 21786), (769, 21795), (775, 21819), (777, 21825), (782, 21840), (790, 21864), (820, 21918), (821, 21921), (828, 21942), (945, 22278), (992, 22413),

Gene: OldBen_16 Start: 14778, Stop: 16487, Start Num: 142
Candidate Starts for OldBen_16:
(Start: 142 @14778 has 207 MA's), (215, 14865), (Start: 249 @14910 has 2 MA's), (258, 14934), (299, 15039), (301, 15045), (309, 15063), (320, 15072), (332, 15093), (390, 15198), (422, 15258), (434, 15279), (437, 15288), (450, 15312), (558, 15438), (564, 15453), (566, 15459), (580, 15495), (582, 15498), (589, 15510), (591, 15516), (605, 15564), (611, 15576), (614, 15582), (648, 15642), (653, 15654), (666, 15690), (670, 15702), (700, 15777), (704, 15786), (713, 15804), (715, 15810), (730, 15840), (806, 15945), (810, 15954), (812, 15957), (825, 15993), (847, 16071), (878, 16170), (885, 16191), (896, 16224), (911, 16254), (919, 16284), (924, 16293), (928, 16299), (944, 16314), (945, 16317), (953, 16338), (955, 16341), (973, 16383), (980, 16413), (992, 16455),

Gene: Olga_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Olga_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050),

(885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Ollie_29 Start: 20249, Stop: 22045, Start Num: 156
Candidate Starts for Ollie_29:
(Start: 156 @20249 has 559 MA's), (Start: 204 @20306 has 1 MA's), (215, 20321), (238, 20354), (254, 20375), (259, 20390), (Start: 303 @20477 has 11 MA's), (323, 20489), (325, 20492), (367, 20567), (376, 20582), (400, 20618), (508, 20825), (567, 20939), (581, 20978), (615, 21065), (674, 21179), (683, 21203), (689, 21221), (731, 21302), (762, 21377), (767, 21395), (775, 21428), (777, 21434), (790, 21473), (820, 21527), (821, 21530), (828, 21551), (844, 21608), (899, 21776), (943, 21881), (945, 21887), (992, 22022),

Gene: OlympiaSaint_16 Start: 15002, Stop: 16711, Start Num: 142
Candidate Starts for OlympiaSaint_16:
(Start: 142 @15002 has 207 MA's), (215, 15089), (Start: 249 @15134 has 2 MA's), (258, 15158), (299, 15263), (301, 15269), (309, 15287), (332, 15317), (390, 15422), (422, 15482), (434, 15503), (437, 15512), (450, 15536), (535, 15611), (536, 15614), (558, 15662), (564, 15677), (566, 15683), (580, 15719), (582, 15722), (589, 15734), (591, 15740), (605, 15788), (611, 15800), (614, 15806), (648, 15866), (653, 15878), (666, 15914), (670, 15926), (700, 16001), (704, 16010), (713, 16028), (715, 16034), (730, 16064), (806, 16169), (812, 16181), (825, 16217), (847, 16295), (885, 16415), (896, 16448), (911, 16478), (919, 16508), (924, 16517), (928, 16523), (944, 16538), (945, 16541), (955, 16565), (968, 16595), (973, 16607), (980, 16637), (992, 16679),

Gene: Omega_36 Start: 28767, Stop: 30500, Start Num: 141
Candidate Starts for Omega_36:
(Start: 141 @28767 has 37 MA's), (Start: 212 @28857 has 47 MA's), (215, 28860), (258, 28935), (272, 28962), (296, 29028), (317, 29064), (334, 29094), (340, 29109), (385, 29193), (407, 29229), (420, 29256), (438, 29295), (457, 29328), (464, 29337), (536, 29394), (552, 29436), (586, 29511), (591, 29523), (611, 29583), (614, 29589), (630, 29637), (650, 29667), (658, 29685), (662, 29694), (671, 29727), (675, 29739), (677, 29745), (691, 29784), (715, 29841), (819, 29991), (822, 30009), (835, 30051), (842, 30075), (843, 30078), (847, 30093), (858, 30123), (867, 30153), (885, 30210), (958, 30360), (994, 30480), (998, 30486),

Gene: OmniCritical_24 Start: 18531, Stop: 20318, Start Num: 178
Candidate Starts for OmniCritical_24:
(Start: 146 @18492 has 1 MA's), (Start: 171 @18522 has 28 MA's), (Start: 176 @18528 has 45 MA's), (Start: 178 @18531 has 139 MA's), (228, 18588), (256, 18636), (272, 18675), (277, 18690), (284, 18708), (295, 18741), (311, 18771), (335, 18816), (342, 18834), (371, 18906), (376, 18912), (395, 18942), (430, 19008), (436, 19020), (498, 19155), (534, 19203), (536, 19209), (541, 19227), (557, 19257), (571, 19296), (647, 19422), (670, 19482), (671, 19485), (677, 19503), (683, 19518), (751, 19686), (769, 19740), (782, 19785), (808, 19830), (821, 19854), (831, 19887), (841, 19920), (875, 19992), (879, 20004), (896, 20055), (899, 20061), (951, 20163), (993, 20289), (1004, 20310),

Gene: OneDirection_17 Start: 14664, Stop: 16373, Start Num: 216
Candidate Starts for OneDirection_17:
(115, 14529), (Start: 216 @14664 has 31 MA's), (304, 14853), (305, 14856), (347, 14931), (376, 14985), (417, 15054), (469, 15144), (471, 15147), (526, 15279), (547, 15333), (583, 15414), (613, 15474), (631, 15480), (675, 15561), (704, 15639), (714, 15657), (731, 15696), (762, 15768), (764, 15771), (768, 15792), (875, 16026), (880, 16041), (894, 16083), (931, 16176), (933, 16179), (951, 16227), (965, 16257),

Gene: OneUp_42 Start: 27048, Stop: 28739, Start Num: 165
Candidate Starts for OneUp_42:

(Start: 165 @27048 has 14 MA's), (207, 27108), (229, 27141), (287, 27264), (310, 27330), (340, 27378), (387, 27465), (392, 27471), (418, 27519), (420, 27522), (440, 27564), (564, 27669), (586, 27720), (591, 27732), (592, 27738), (670, 27924), (746, 28122), (754, 28140), (806, 28182), (824, 28227), (826, 28233), (844, 28293), (879, 28404), (971, 28605), (981, 28644), (991, 28680),

Gene: Onglai_29 Start: 20083, Stop: 21873, Start Num: 156
Candidate Starts for Onglai_29:
(Start: 153 @20080 has 9 MA's), (Start: 156 @20083 has 559 MA's), (323, 20317), (325, 20320), (366, 20392), (367, 20395), (376, 20410), (402, 20449), (406, 20455), (465, 20566), (508, 20653), (550, 20734), (556, 20737), (635, 20923), (669, 20986), (675, 21010), (677, 21016), (689, 21049), (731, 21130), (775, 21256), (788, 21298), (821, 21358), (831, 21391), (835, 21406), (866, 21505), (867, 21508), (869, 21520), (899, 21604), (925, 21670), (943, 21709), (945, 21715), (964, 21760), (983, 21817), (984, 21820),

Gene: Oofda_31 Start: 19067, Stop: 20854, Start Num: 156
Candidate Starts for Oofda_31:
(110, 19001), (Start: 136 @19043 has 48 MA's), (Start: 156 @19067 has 559 MA's), (Start: 260 @19205 has 1 MA's), (285, 19262), (325, 19304), (344, 19340), (367, 19379), (409, 19448), (421, 19472), (449, 19526), (536, 19676), (556, 19721), (567, 19751), (579, 19787), (600, 19838), (613, 19874), (644, 19922), (671, 19982), (730, 20111), (762, 20189), (835, 20390), (837, 20396), (867, 20492), (929, 20657), (971, 20756),

Gene: Oogway_26 Start: 21094, Stop: 22896, Start Num: 159
Candidate Starts for Oogway_26:
(Start: 159 @21094 has 217 MA's), (Start: 176 @21115 has 45 MA's), (Start: 204 @21157 has 1 MA's), (237, 21202), (367, 21418), (395, 21463), (402, 21472), (421, 21511), (448, 21562), (449, 21565), (556, 21760), (581, 21829), (674, 22030), (675, 22033), (683, 22054), (730, 22150), (731, 22153), (733, 22159), (762, 22228), (767, 22246), (769, 22255), (777, 22285), (821, 22381), (831, 22414), (835, 22429), (879, 22570), (899, 22627), (945, 22738), (1000, 22891),

Gene: Opie_19 Start: 16985, Stop: 18715, Start Num: 148
Candidate Starts for Opie_19:
(85, 16868), (122, 16952), (Start: 131 @16964 has 1 MA's), (Start: 148 @16985 has 5 MA's), (333, 17255), (377, 17339), (448, 17468), (484, 17540), (506, 17582), (535, 17618), (543, 17648), (553, 17672), (570, 17714), (579, 17741), (619, 17798), (622, 17804), (670, 17891), (825, 18251), (832, 18275), (837, 18293), (879, 18389), (933, 18524), (948, 18563), (949, 18566), (981, 18653), (989, 18680),

Gene: Optimus_35 Start: 27884, Stop: 29882, Start Num: 141
Candidate Starts for Optimus_35:
(Start: 141 @27884 has 37 MA's), (Start: 212 @27974 has 47 MA's), (245, 28022), (258, 28052), (317, 28181), (334, 28211), (354, 28262), (385, 28310), (407, 28346), (420, 28373), (457, 28445), (464, 28454), (475, 28475), (546, 28544), (566, 28583), (567, 28586), (572, 28601), (591, 28640), (605, 28688), (611, 28700), (614, 28706), (630, 28754), (635, 28763), (650, 28784), (658, 28802), (673, 28850), (713, 28952), (746, 29024), (766, 29069), (768, 29081), (795, 29216), (796, 29222), (797, 29246), (798, 29318), (804, 29345), (886, 29594),

Gene: Orange_28 Start: 20755, Stop: 22554, Start Num: 156
Candidate Starts for Orange_28:
(110, 20689), (Start: 136 @20731 has 48 MA's), (Start: 156 @20755 has 559 MA's), (Start: 196 @20797 has 2 MA's), (Start: 260 @20893 has 1 MA's), (269, 20908), (323, 20989), (325, 20992), (367, 21067), (376, 21082), (402, 21121), (406, 21127), (430, 21178), (465, 21238), (469, 21244), (508, 21325), (556, 21409), (603, 21535), (609, 21553), (622, 21580), (689, 21721), (723, 21787), (730,

21799), (731, 21802), (800, 21991), (813, 22018), (819, 22027), (824, 22048), (825, 22051), (831, 22072), (835, 22087), (842, 22111), (866, 22186), (869, 22201), (899, 22285), (943, 22390), (945, 22396), (968, 22450), (1000, 22549),

Gene: Oregano_20 Start: 17368, Stop: 18948, Start Num: 213
Candidate Starts for Oregano_20:
(123, 17251), (Start: 213 @17368 has 53 MA's), (358, 17626), (369, 17647), (406, 17701), (423, 17740), (455, 17797), (469, 17818), (585, 17989), (592, 18007), (606, 18031), (631, 18052), (663, 18094), (691, 18175), (730, 18265), (768, 18367), (769, 18370), (784, 18424), (836, 18514), (948, 18793), (951, 18802), (965, 18832),

Gene: OrionPax_25 Start: 19491, Stop: 21170, Start Num: 147
Candidate Starts for OrionPax_25:
(Start: 147 @19491 has 120 MA's), (Start: 212 @19575 has 47 MA's), (Start: 260 @19653 has 1 MA's), (296, 19740), (301, 19755), (332, 19803), (349, 19842), (405, 19929), (420, 19962), (437, 19998), (454, 20028), (457, 20034), (538, 20103), (561, 20133), (565, 20145), (566, 20148), (591, 20205), (650, 20337), (651, 20343), (675, 20409), (677, 20415), (686, 20439), (704, 20487), (715, 20511), (721, 20520), (754, 20595), (810, 20646), (819, 20661), (867, 20823), (875, 20850), (885, 20880), (926, 20985), (971, 21063), (980, 21099), (983, 21108), (992, 21141), (998, 21156),

Gene: Orla_20 Start: 15759, Stop: 17447, Start Num: 151
Candidate Starts for Orla_20:
(122, 15729), (Start: 141 @15756 has 37 MA's), (Start: 151 @15759 has 50 MA's), (259, 15900), (323, 15999), (344, 16050), (362, 16077), (445, 16227), (462, 16257), (477, 16284), (484, 16305), (488, 16314), (495, 16329), (525, 16359), (530, 16371), (535, 16377), (536, 16380), (540, 16395), (567, 16464), (572, 16479), (598, 16545), (637, 16587), (644, 16596), (654, 16614), (672, 16659), (702, 16743), (727, 16779), (730, 16782), (731, 16785), (736, 16800), (744, 16818), (767, 16875), (775, 16908), (832, 17004), (835, 17016), (837, 17022), (840, 17031), (853, 17043), (878, 17115), (879, 17118), (880, 17121), (885, 17136), (925, 17244), (931, 17253), (945, 17286), (948, 17295), (992, 17424), (998, 17439),

Gene: Oscar_22 Start: 16394, Stop: 18157, Start Num: 176
Candidate Starts for Oscar_22:
(Start: 146 @16358 has 1 MA's), (Start: 171 @16388 has 28 MA's), (Start: 176 @16394 has 45 MA's), (198, 16421), (Start: 219 @16448 has 2 MA's), (277, 16562), (295, 16613), (329, 16676), (371, 16778), (376, 16784), (417, 16856), (436, 16892), (441, 16901), (465, 16940), (485, 16988), (491, 17006), (509, 17045), (527, 17063), (534, 17075), (536, 17081), (551, 17123), (557, 17129), (567, 17156), (647, 17294), (656, 17312), (662, 17324), (688, 17402), (724, 17474), (731, 17486), (751, 17534), (774, 17609), (821, 17693), (831, 17726), (833, 17732), (841, 17759), (879, 17843), (881, 17849), (896, 17894), (899, 17900), (948, 17993), (983, 18089), (1004, 18149),

Gene: Outis_42 Start: 30437, Stop: 32053, Start Num: 202
Candidate Starts for Outis_42:
(Start: 202 @30437 has 36 MA's), (277, 30551), (417, 30818), (458, 30884), (469, 30899), (481, 30923), (482, 30926), (519, 31010), (535, 31040), (540, 31058), (557, 31091), (562, 31100), (567, 31118), (576, 31148), (590, 31172), (654, 31256), (663, 31277), (687, 31325), (704, 31364), (728, 31412), (773, 31538), (785, 31574), (861, 31685), (885, 31760), (968, 31937), (980, 31979), (998, 32036),

Gene: Ovechkin_16 Start: 14836, Stop: 16545, Start Num: 142
Candidate Starts for Ovechkin_16:
(Start: 142 @14836 has 207 MA's), (215, 14923), (Start: 249 @14968 has 2 MA's), (258, 14992), (299, 15097), (301, 15103), (309, 15121), (332, 15151), (390, 15256), (422, 15316), (434, 15337), (437,

15346), (450, 15370), (558, 15496), (564, 15511), (566, 15517), (580, 15553), (582, 15556), (589, 15568), (591, 15574), (605, 15622), (611, 15634), (614, 15640), (648, 15700), (653, 15712), (666, 15748), (670, 15760), (700, 15835), (704, 15844), (713, 15862), (715, 15868), (730, 15898), (806, 16003), (810, 16012), (812, 16015), (825, 16051), (847, 16129), (878, 16228), (885, 16249), (896, 16282), (911, 16312), (919, 16342), (924, 16351), (928, 16357), (944, 16372), (945, 16375), (955, 16399), (968, 16429), (973, 16441), (980, 16471), (992, 16513),

Gene: OwlsT2W_18 Start: 15174, Stop: 16883, Start Num: 142
Candidate Starts for OwlsT2W_18:
(Start: 142 @15174 has 207 MA's), (215, 15261), (Start: 249 @15306 has 2 MA's), (258, 15330), (299, 15435), (301, 15441), (309, 15459), (332, 15489), (390, 15594), (422, 15654), (425, 15663), (432, 15672), (434, 15675), (437, 15684), (450, 15708), (535, 15783), (536, 15786), (558, 15834), (564, 15849), (566, 15855), (580, 15891), (582, 15894), (589, 15906), (591, 15912), (605, 15960), (611, 15972), (614, 15978), (648, 16038), (653, 16050), (666, 16086), (670, 16098), (700, 16173), (704, 16182), (713, 16200), (715, 16206), (730, 16236), (806, 16341), (810, 16350), (812, 16353), (825, 16389), (844, 16455), (847, 16467), (878, 16566), (885, 16587), (896, 16620), (911, 16650), (919, 16680), (924, 16689), (928, 16695), (944, 16710), (945, 16713), (955, 16737), (968, 16767), (973, 16779), (980, 16809), (992, 16851),

Gene: P1201_47 Start: 34468, Stop: 36096, Start Num: 209
Candidate Starts for P1201_47:
(209, 34468), (331, 34690), (367, 34771), (381, 34792), (471, 34936), (529, 35071), (562, 35143), (564, 35152), (608, 35251), (623, 35266), (679, 35359), (756, 35524), (769, 35563), (832, 35668), (849, 35701), (866, 35740), (890, 35812), (909, 35866), (916, 35890), (925, 35899), (964, 35980), (992, 36070),

Gene: P28Green_29 Start: 20380, Stop: 22176, Start Num: 156
Candidate Starts for P28Green_29:
(Start: 156 @20380 has 559 MA's), (Start: 204 @20437 has 1 MA's), (215, 20452), (254, 20506), (259, 20521), (Start: 303 @20608 has 11 MA's), (323, 20620), (325, 20623), (367, 20698), (376, 20713), (400, 20749), (508, 20956), (581, 21109), (615, 21196), (674, 21310), (683, 21334), (689, 21352), (731, 21433), (762, 21508), (767, 21526), (775, 21559), (777, 21565), (790, 21604), (820, 21658), (821, 21661), (828, 21682), (844, 21739), (899, 21907), (943, 22012), (945, 22018), (992, 22153),

Gene: P3MA_18 Start: 14293, Stop: 16050, Start Num: 178
Candidate Starts for P3MA_18:
(Start: 160 @14269 has 2 MA's), (Start: 178 @14293 has 139 MA's), (248, 14386), (329, 14575), (371, 14677), (448, 14812), (451, 14818), (465, 14839), (475, 14857), (488, 14893), (495, 14917), (542, 14995), (549, 15013), (563, 15037), (575, 15079), (579, 15085), (581, 15088), (647, 15187), (688, 15298), (721, 15358), (751, 15430), (782, 15529), (784, 15538), (821, 15586), (849, 15655), (879, 15736), (885, 15754), (890, 15766), (896, 15787), (908, 15814), (915, 15835), (927, 15850), (951, 15895), (957, 15907), (965, 15925), (984, 15982),

Gene: PCoral7_19 Start: 16740, Stop: 18389, Start Num: 227
Candidate Starts for PCoral7_19:
(4, 15693), (5, 15738), (6, 15762), (7, 15768), (9, 15876), (10, 15924), (15, 15996), (23, 16071), (40, 16209), (45, 16239), (46, 16245), (66, 16377), (74, 16434), (76, 16443), (127, 16602), (203, 16704), (Start: 227 @16740 has 45 MA's), (283, 16845), (318, 16923), (349, 16983), (360, 16995), (361, 16998), (468, 17196), (475, 17211), (554, 17295), (560, 17307), (563, 17316), (564, 17319), (571, 17340), (591, 17382), (600, 17412), (677, 17595), (686, 17619), (700, 17670), (715, 17703), (739, 17763), (744, 17775), (763, 17817), (799, 17835), (844, 17970), (875, 18069), (881, 18087), (899, 18138), (921, 18198), (925, 18204), (968, 18279),

Gene: PGHhamlin_31 Start: 20371, Stop: 22167, Start Num: 156
Candidate Starts for PGHhamlin_31:
(Start: 156 @20371 has 559 MA's), (Start: 204 @20428 has 1 MA's), (215, 20443), (238, 20476), (254, 20497), (259, 20512), (Start: 303 @20599 has 11 MA's), (323, 20611), (325, 20614), (367, 20689), (376, 20704), (400, 20740), (508, 20947), (567, 21061), (581, 21100), (615, 21187), (674, 21301), (683, 21325), (689, 21343), (731, 21424), (762, 21499), (767, 21517), (775, 21550), (777, 21556), (790, 21595), (820, 21649), (821, 21652), (828, 21673), (844, 21730), (899, 21898), (943, 22003), (945, 22009), (992, 22144),

Gene: PHappiness_16 Start: 14786, Stop: 16495, Start Num: 142
Candidate Starts for PHappiness_16:
(Start: 142 @14786 has 207 MA's), (215, 14873), (Start: 249 @14918 has 2 MA's), (258, 14942), (299, 15047), (301, 15053), (309, 15071), (332, 15101), (390, 15206), (422, 15266), (434, 15287), (437, 15296), (450, 15320), (558, 15446), (564, 15461), (566, 15467), (580, 15503), (582, 15506), (589, 15518), (591, 15524), (605, 15572), (611, 15584), (614, 15590), (648, 15650), (653, 15662), (666, 15698), (670, 15710), (700, 15785), (704, 15794), (713, 15812), (715, 15818), (730, 15848), (806, 15953), (810, 15962), (812, 15965), (825, 16001), (847, 16079), (878, 16178), (885, 16199), (896, 16232), (911, 16262), (919, 16292), (924, 16301), (928, 16307), (944, 16322), (945, 16325), (953, 16346), (955, 16349), (973, 16391), (980, 16421), (992, 16463),

Gene: PMC_16 Start: 14790, Stop: 16499, Start Num: 142
Candidate Starts for PMC_16:
(Start: 142 @14790 has 207 MA's), (215, 14877), (Start: 249 @14922 has 2 MA's), (258, 14946), (282, 15003), (299, 15051), (301, 15057), (309, 15075), (332, 15105), (362, 15159), (390, 15210), (419, 15264), (422, 15270), (425, 15279), (437, 15300), (450, 15324), (473, 15360), (475, 15366), (535, 15399), (536, 15402), (539, 15411), (544, 15426), (546, 15432), (558, 15450), (564, 15465), (566, 15471), (572, 15489), (573, 15492), (580, 15507), (589, 15522), (591, 15528), (605, 15576), (611, 15588), (614, 15594), (648, 15654), (653, 15666), (666, 15702), (670, 15714), (700, 15789), (704, 15798), (713, 15816), (715, 15822), (730, 15852), (806, 15957), (812, 15969), (825, 16005), (847, 16083), (885, 16203), (896, 16236), (911, 16266), (913, 16278), (919, 16296), (922, 16302), (924, 16305), (928, 16311), (944, 16326), (945, 16329), (953, 16350), (955, 16353), (973, 16395), (980, 16425), (992, 16467), (993, 16473),

Gene: PP_37 Start: 25826, Stop: 27616, Start Num: 156
Candidate Starts for PP_37:
(22, 25235), (30, 25340), (32, 25346), (47, 25436), (54, 25478), (60, 25508), (81, 25676), (110, 25760), (Start: 136 @25802 has 48 MA's), (Start: 156 @25826 has 559 MA's), (Start: 176 @25835 has 45 MA's), (238, 25925), (259, 25961), (269, 25979), (323, 26060), (325, 26063), (367, 26138), (402, 26192), (469, 26315), (479, 26342), (508, 26396), (546, 26471), (550, 26477), (556, 26480), (603, 26606), (675, 26753), (689, 26792), (775, 26999), (782, 27020), (790, 27044), (819, 27089), (820, 27098), (821, 27101), (831, 27134), (835, 27149), (842, 27173), (845, 27185), (866, 27248), (867, 27251), (899, 27347), (909, 27368), (933, 27425), (943, 27452), (945, 27458), (951, 27476), (964, 27503), (968, 27512), (992, 27593),

Gene: PSonyx_17 Start: 17526, Stop: 19172, Start Num: 179
Candidate Starts for PSonyx_17:
(Start: 179 @17526 has 2 MA's), (325, 17751), (346, 17793), (469, 18003), (473, 18009), (531, 18114), (562, 18180), (577, 18231), (636, 18306), (731, 18510), (740, 18537), (761, 18582), (776, 18639), (881, 18852), (984, 19116), (990, 19137), (1000, 19164),

Gene: PSullivan_29 Start: 21585, Stop: 23387, Start Num: 159
Candidate Starts for PSullivan_29:

(Start: 159 @21585 has 217 MA's), (Start: 176 @21606 has 45 MA's), (Start: 204 @21648 has 1 MA's), (237, 21693), (367, 21909), (395, 21954), (402, 21963), (421, 22002), (448, 22053), (449, 22056), (556, 22251), (581, 22320), (674, 22521), (675, 22524), (683, 22545), (730, 22641), (731, 22644), (733, 22650), (762, 22719), (767, 22737), (769, 22746), (777, 22776), (821, 22872), (831, 22905), (835, 22920), (879, 23061), (899, 23118), (945, 23229),

Gene: PYPDinur_18 Start: 16572, Stop: 18335, Start Num: 136
Candidate Starts for PYPDinur_18:
(Start: 136 @16572 has 48 MA's), (246, 16713), (295, 16821), (296, 16824), (412, 17022), (414, 17025), (419, 17037), (430, 17058), (484, 17166), (501, 17196), (562, 17304), (572, 17337), (575, 17352), (588, 17373), (674, 17529), (695, 17592), (716, 17634), (724, 17643), (731, 17655), (746, 17697), (764, 17733), (826, 17859), (835, 17892), (878, 17994), (881, 18003), (888, 18021), (896, 18048), (919, 18105), (943, 18144), (951, 18168), (963, 18204), (969, 18219), (977, 18249), (985, 18276), (989, 18288), (994, 18309),

Gene: Pacc40_16 Start: 14976, Stop: 16685, Start Num: 142
Candidate Starts for Pacc40_16:
(Start: 142 @14976 has 207 MA's), (215, 15063), (Start: 249 @15108 has 2 MA's), (258, 15132), (299, 15237), (301, 15243), (309, 15261), (332, 15291), (390, 15396), (422, 15456), (434, 15477), (437, 15486), (450, 15510), (558, 15636), (564, 15651), (566, 15657), (580, 15693), (582, 15696), (589, 15708), (591, 15714), (605, 15762), (611, 15774), (614, 15780), (648, 15840), (653, 15852), (666, 15888), (670, 15900), (700, 15975), (704, 15984), (713, 16002), (715, 16008), (730, 16038), (806, 16143), (810, 16152), (812, 16155), (825, 16191), (847, 16269), (878, 16368), (885, 16389), (896, 16422), (911, 16452), (919, 16482), (924, 16491), (928, 16497), (944, 16512), (945, 16515), (953, 16536), (955, 16539), (973, 16581), (980, 16611), (992, 16653),

Gene: Pace1224_18 Start: 16851, Stop: 18575, Start Num: 195
Candidate Starts for Pace1224_18:
(Start: 195 @16851 has 1 MA's), (256, 16923), (311, 17058), (346, 17133), (367, 17184), (376, 17199), (395, 17229), (400, 17235), (425, 17289), (488, 17409), (536, 17505), (539, 17514), (557, 17553), (571, 17592), (587, 17628), (607, 17673), (647, 17718), (702, 17859), (731, 17916), (751, 17964), (762, 17991), (771, 18027), (774, 18039), (805, 18081), (831, 18144), (874, 18246), (896, 18312), (976, 18486), (996, 18552),

Gene: PacerPaul_27 Start: 21373, Stop: 23175, Start Num: 159
Candidate Starts for PacerPaul_27:
(Start: 159 @21373 has 217 MA's), (Start: 176 @21394 has 45 MA's), (Start: 204 @21436 has 1 MA's), (237, 21481), (367, 21697), (395, 21742), (402, 21751), (448, 21841), (449, 21844), (556, 22039), (581, 22108), (670, 22297), (674, 22309), (675, 22312), (683, 22333), (730, 22429), (731, 22432), (733, 22438), (762, 22507), (767, 22525), (769, 22534), (777, 22564), (821, 22660), (831, 22693), (835, 22708), (879, 22849), (899, 22906), (945, 23017), (1000, 23170),

Gene: PackMan_30 Start: 21746, Stop: 23539, Start Num: 153
Candidate Starts for PackMan_30:
(Start: 153 @21746 has 9 MA's), (Start: 156 @21749 has 559 MA's), (323, 21983), (325, 21986), (366, 22058), (367, 22061), (376, 22076), (402, 22115), (406, 22121), (465, 22232), (508, 22319), (550, 22400), (556, 22403), (635, 22589), (669, 22652), (675, 22676), (677, 22682), (689, 22715), (731, 22796), (775, 22922), (788, 22964), (790, 22967), (821, 23024), (831, 23057), (835, 23072), (866, 23171), (867, 23174), (869, 23186), (899, 23270), (925, 23336), (943, 23375), (945, 23381), (964, 23426), (983, 23483), (984, 23486),

Gene: Padfoot_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Padfoot_23:

(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Padpat_23 Start: 17148, Stop: 18914, Start Num: 178
Candidate Starts for Padpat_23:
(Start: 178 @17148 has 139 MA's), (198, 17178), (284, 17337), (295, 17370), (311, 17400), (329, 17433), (335, 17445), (371, 17535), (400, 17577), (436, 17649), (441, 17658), (465, 17697), (484, 17742), (491, 17763), (492, 17766), (527, 17820), (536, 17838), (551, 17880), (557, 17886), (567, 17913), (647, 18051), (656, 18069), (670, 18111), (676, 18129), (688, 18159), (702, 18186), (751, 18291), (821, 18450), (832, 18486), (841, 18516), (853, 18525), (879, 18600), (896, 18651), (983, 18846), (993, 18885), (994, 18888), (1004, 18906),

Gene: PainterBoy_29 Start: 20875, Stop: 22665, Start Num: 156
Candidate Starts for PainterBoy_29:
(Start: 136 @20851 has 48 MA's), (Start: 156 @20875 has 559 MA's), (269, 21028), (323, 21109), (325, 21112), (366, 21184), (367, 21187), (379, 21205), (391, 21226), (402, 21241), (406, 21247), (430, 21298), (465, 21358), (479, 21391), (508, 21445), (550, 21526), (556, 21529), (635, 21715), (675, 21802), (689, 21841), (731, 21922), (775, 22048), (803, 22111), (820, 22147), (835, 22198), (866, 22297), (881, 22345), (899, 22396), (943, 22501), (945, 22507), (968, 22561),

Gene: Paito_18 Start: 16782, Stop: 18536, Start Num: 194
Candidate Starts for Paito_18:
(28, 16239), (Start: 171 @16773 has 28 MA's), (Start: 194 @16782 has 44 MA's), (Start: 196 @16788 has 2 MA's), (201, 16794), (256, 16872), (277, 16926), (295, 16977), (311, 17007), (325, 17031), (367, 17133), (391, 17172), (395, 17178), (406, 17193), (425, 17238), (485, 17352), (488, 17358), (513, 17415), (536, 17454), (551, 17496), (557, 17502), (571, 17541), (607, 17622), (647, 17667), (665, 17712), (730, 17862), (731, 17865), (743, 17895), (751, 17913), (762, 17940), (785, 18024), (790, 18033), (805, 18042), (818, 18057), (831, 18105), (835, 18120), (867, 18183), (885, 18240), (899, 18279), (915, 18321), (948, 18372), (983, 18468), (1004, 18528),

Gene: Palestino_26 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Palestino_26:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Palpatine_24 Start: 19847, Stop: 21442, Start Num: 212
Candidate Starts for Palpatine_24:
(Start: 147 @19763 has 120 MA's), (Start: 212 @19847 has 47 MA's), (Start: 260 @19925 has 1 MA's), (296, 20012), (301, 20027), (332, 20075), (349, 20114), (405, 20201), (420, 20234), (437, 20270), (454, 20300), (457, 20306), (538, 20375), (561, 20405), (565, 20417), (566, 20420), (591, 20477), (650, 20609), (651, 20615), (675, 20681), (677, 20687), (686, 20711), (704, 20759), (715, 20783), (721, 20792), (754, 20867), (810, 20918), (819, 20933), (867, 21095), (875, 21122), (885, 21152), (926, 21257), (971, 21335), (980, 21371), (983, 21380), (992, 21413), (998, 21428),

Gene: Panamaxus_27 Start: 20455, Stop: 22254, Start Num: 156
Candidate Starts for Panamaxus_27:
(Start: 156 @20455 has 559 MA's), (Start: 204 @20515 has 1 MA's), (254, 20584), (Start: 303 @20686 has 11 MA's), (323, 20698), (325, 20701), (367, 20776), (376, 20791), (402, 20830), (475, 20965), (508, 21034), (567, 21148), (615, 21274), (674, 21388), (683, 21412), (687, 21424), (689, 21430), (731, 21511), (762, 21586), (767, 21604), (769, 21613), (775, 21637), (777, 21643), (782, 21658), (800, 21691), (820, 21736), (821, 21739), (828, 21760), (867, 21889), (899, 21985), (943, 22090), (945, 22096), (992, 22231),

Gene: Panchino_18 Start: 14966, Stop: 16675, Start Num: 147
Candidate Starts for Panchino_18:
(Start: 147 @14966 has 120 MA's), (Start: 171 @14993 has 28 MA's), (198, 15032), (Start: 249 @15098 has 2 MA's), (252, 15110), (269, 15146), (278, 15170), (290, 15197), (296, 15218), (299, 15227), (301, 15233), (324, 15266), (419, 15440), (422, 15446), (425, 15455), (432, 15464), (437, 15476), (450, 15500), (475, 15542), (535, 15575), (558, 15626), (559, 15629), (564, 15641), (580, 15683), (589, 15698), (591, 15704), (605, 15752), (625, 15806), (648, 15830), (674, 15902), (693, 15956), (700, 15965), (704, 15974), (715, 15998), (727, 16025), (730, 16028), (806, 16133), (810, 16142), (825, 16181), (848, 16262), (866, 16319), (878, 16358), (919, 16472), (944, 16502), (945, 16505), (955, 16529), (971, 16565),

Gene: PantheRoc_19 Start: 17095, Stop: 18693, Start Num: 213
Candidate Starts for PantheRoc_19:
(Start: 213 @17095 has 53 MA's), (358, 17353), (367, 17371), (369, 17374), (406, 17428), (443, 17503), (479, 17572), (483, 17581), (488, 17593), (491, 17605), (509, 17644), (521, 17671), (526, 17680), (528, 17683), (585, 17716), (613, 17773), (663, 17839), (700, 17950), (730, 18010), (768, 18112), (784, 18169), (836, 18259), (933, 18499), (965, 18577),

Gene: Paola_21 Start: 17495, Stop: 19267, Start Num: 181
Candidate Starts for Paola_21:
(Start: 181 @17495 has 15 MA's), (Start: 186 @17501 has 1 MA's), (201, 17525), (228, 17558), (256, 17606), (277, 17660), (295, 17711), (329, 17774), (376, 17882), (436, 17990), (491, 18104), (492, 18107), (512, 18146), (527, 18161), (534, 18173), (536, 18179), (551, 18221), (557, 18227), (571, 18266), (579, 18290), (647, 18392), (671, 18455), (687, 18500), (751, 18635), (782, 18734), (824, 18812), (831, 18836), (833, 18842), (837, 18857), (879, 18953), (881, 18959), (951, 19112), (988, 19217), (989, 19220), (993, 19238),

Gene: Paperbeatsrock_26 Start: 20726, Stop: 22405, Start Num: 147
Candidate Starts for Paperbeatsrock_26:
(Start: 147 @20726 has 120 MA's), (Start: 212 @20810 has 47 MA's), (Start: 260 @20888 has 1 MA's), (296, 20975), (301, 20990), (332, 21038), (349, 21077), (405, 21164), (420, 21197), (437, 21233), (454, 21263), (457, 21269), (538, 21338), (561, 21368), (565, 21380), (566, 21383), (591, 21440), (650, 21572), (651, 21578), (675, 21644), (677, 21650), (686, 21674), (704, 21722), (715, 21746), (721, 21755), (754, 21830), (810, 21881), (819, 21896), (867, 22058), (875, 22085), (885, 22115), (926, 22220), (971, 22298), (980, 22334), (983, 22343), (992, 22376), (998, 22391),

Gene: Papez_29 Start: 22831, Stop: 24612, Start Num: 176
Candidate Starts for Papez_29:
(Start: 159 @22810 has 217 MA's), (Start: 176 @22831 has 45 MA's), (Start: 204 @22873 has 1 MA's), (237, 22918), (367, 23134), (395, 23179), (402, 23188), (421, 23227), (448, 23278), (449, 23281), (556, 23476), (581, 23545), (674, 23746), (675, 23749), (683, 23770), (730, 23866), (731, 23869), (733, 23875), (762, 23944), (767, 23962), (769, 23971), (777, 24001), (821, 24097), (831, 24130), (835, 24145), (879, 24286), (899, 24343), (945, 24454),

Gene: Paphu_26 Start: 20886, Stop: 22688, Start Num: 159
Candidate Starts for Paphu_26:
(Start: 156 @20883 has 559 MA's), (Start: 159 @20886 has 217 MA's), (Start: 176 @20907 has 45 MA's), (Start: 204 @20949 has 1 MA's), (237, 20994), (367, 21210), (395, 21255), (402, 21264), (421, 21303), (448, 21354), (449, 21357), (556, 21552), (581, 21621), (674, 21822), (675, 21825), (683, 21846), (730, 21942), (731, 21945), (733, 21951), (762, 22020), (767, 22038), (769, 22047), (777, 22077), (821, 22173), (831, 22206), (835, 22221), (879, 22362), (899, 22419), (945, 22530), (1000, 22683),

Gene: Parada_22 Start: 17344, Stop: 19050, Start Num: 222
Candidate Starts for Parada_22:
(Start: 164 @17269 has 1 MA's), (Start: 222 @17344 has 16 MA's), (272, 17437), (277, 17452), (280, 17458), (309, 17533), (343, 17605), (397, 17716), (421, 17761), (430, 17779), (436, 17791), (534, 17962), (537, 17971), (539, 17977), (551, 18010), (576, 18073), (599, 18124), (630, 18148), (644, 18172), (674, 18247), (688, 18286), (747, 18418), (784, 18532), (831, 18619), (878, 18733), (881, 18742), (925, 18847), (969, 18934), (1004, 19042),

Gene: Paraselene_26 Start: 21257, Stop: 23059, Start Num: 159
Candidate Starts for Paraselene_26:
(Start: 159 @21257 has 217 MA's), (Start: 176 @21278 has 45 MA's), (Start: 204 @21320 has 1 MA's), (237, 21365), (367, 21581), (395, 21626), (402, 21635), (421, 21674), (448, 21725), (449, 21728), (556, 21923), (581, 21992), (674, 22193), (675, 22196), (683, 22217), (730, 22313), (731, 22316), (733, 22322), (762, 22391), (767, 22409), (769, 22418), (777, 22448), (821, 22544), (831, 22577), (835, 22592), (879, 22733), (899, 22790), (945, 22901),

Gene: Pari_28 Start: 20846, Stop: 22648, Start Num: 159
Candidate Starts for Pari_28:
(Start: 159 @20846 has 217 MA's), (Start: 176 @20867 has 45 MA's), (Start: 204 @20909 has 1 MA's), (237, 20954), (367, 21170), (395, 21215), (402, 21224), (448, 21314), (449, 21317), (495, 21410), (556, 21512), (581, 21581), (670, 21770), (674, 21782), (675, 21785), (683, 21806), (730, 21902), (731, 21905), (733, 21911), (762, 21980), (767, 21998), (769, 22007), (777, 22037), (821, 22133), (831, 22166), (835, 22181), (879, 22322), (899, 22379), (945, 22490), (1000, 22643),

Gene: Paries_37 Start: 31409, Stop: 33172, Start Num: 111
Candidate Starts for Paries_37:
(104, 31391), (Start: 111 @31409 has 74 MA's), (Start: 131 @31445 has 1 MA's), (238, 31583), (285, 31679), (289, 31688), (340, 31757), (367, 31808), (395, 31853), (406, 31868), (448, 31949), (475, 31994), (478, 32003), (535, 32093), (543, 32123), (550, 32138), (562, 32162), (571, 32192), (641, 32297), (689, 32414), (695, 32432), (699, 32447), (723, 32477), (730, 32489), (731, 32492), (740, 32519), (878, 32840), (879, 32843), (880, 32846), (896, 32894), (909, 32921), (917, 32948), (943, 33002), (951, 33026), (952, 33029), (984, 33119), (1000, 33167),

Gene: Parliament_26 Start: 21181, Stop: 22983, Start Num: 159
Candidate Starts for Parliament_26:
(Start: 159 @21181 has 217 MA's), (Start: 176 @21202 has 45 MA's), (Start: 204 @21244 has 1 MA's), (237, 21289), (367, 21505), (395, 21550), (402, 21559), (448, 21649), (449, 21652), (465, 21676), (495, 21745), (556, 21847), (581, 21916), (670, 22105), (674, 22117), (675, 22120), (683, 22141), (730, 22237), (731, 22240), (733, 22246), (762, 22315), (767, 22333), (769, 22342), (777, 22372), (821, 22468), (831, 22501), (835, 22516), (879, 22657), (899, 22714), (945, 22825),

Gene: Parmesanjohn_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Parmesanjohn_18:

(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Partridge_23 Start: 16382, Stop: 18007, Start Num: 182
Candidate Starts for Partridge_23:
(Start: 171 @16367 has 28 MA's), (Start: 182 @16382 has 32 MA's), (232, 16451), (256, 16487), (367, 16673), (439, 16802), (465, 16844), (475, 16862), (478, 16871), (486, 16895), (495, 16913), (525, 16943), (534, 16958), (535, 16961), (546, 17000), (556, 17009), (590, 17093), (669, 17210), (675, 17234), (730, 17348), (762, 17426), (772, 17465), (775, 17477), (778, 17486), (808, 17507), (835, 17585), (894, 17732), (938, 17831), (943, 17846), (998, 17999),

Gene: PascalRango_26 Start: 20874, Stop: 22676, Start Num: 159
Candidate Starts for PascalRango_26:
(Start: 159 @20874 has 217 MA's), (Start: 176 @20895 has 45 MA's), (Start: 204 @20937 has 1 MA's), (237, 20982), (367, 21198), (395, 21243), (402, 21252), (421, 21291), (448, 21342), (449, 21345), (495, 21438), (556, 21540), (581, 21609), (674, 21810), (675, 21813), (683, 21834), (730, 21930), (731, 21933), (733, 21939), (762, 22008), (767, 22026), (769, 22035), (777, 22065), (821, 22161), (831, 22194), (835, 22209), (879, 22350), (899, 22407), (945, 22518),

Gene: Pat3_23 Start: 18472, Stop: 20151, Start Num: 147
Candidate Starts for Pat3_23:
(Start: 147 @18472 has 120 MA's), (Start: 212 @18556 has 47 MA's), (Start: 260 @18634 has 1 MA's), (296, 18721), (301, 18736), (332, 18784), (349, 18823), (405, 18910), (420, 18943), (437, 18979), (454, 19009), (457, 19015), (538, 19084), (561, 19114), (565, 19126), (566, 19129), (591, 19186), (650, 19318), (651, 19324), (675, 19390), (677, 19396), (686, 19420), (704, 19468), (715, 19492), (721, 19501), (754, 19576), (810, 19627), (819, 19642), (867, 19804), (875, 19831), (885, 19861), (926, 19966), (971, 20044), (980, 20080), (983, 20089), (992, 20122), (998, 20137),

Gene: Patio_44 Start: 30694, Stop: 32316, Start Num: 202
Candidate Starts for Patio_44:
(Start: 202 @30694 has 36 MA's), (277, 30811), (307, 30889), (406, 31051), (410, 31063), (417, 31078), (458, 31144), (469, 31159), (519, 31270), (535, 31300), (536, 31303), (562, 31360), (576, 31408), (590, 31432), (663, 31537), (704, 31624), (728, 31672), (773, 31798), (774, 31801), (785, 31834), (823, 31861), (833, 31891), (885, 32020), (899, 32059), (952, 32164), (976, 32227), (980, 32239), (984, 32251), (986, 32260), (998, 32296),

Gene: Patt_24 Start: 18364, Stop: 20151, Start Num: 178
Candidate Starts for Patt_24:
(Start: 146 @18325 has 1 MA's), (Start: 171 @18355 has 28 MA's), (Start: 176 @18361 has 45 MA's), (Start: 178 @18364 has 139 MA's), (228, 18421), (256, 18469), (272, 18508), (277, 18523), (284, 18541), (295, 18574), (311, 18604), (335, 18649), (342, 18667), (371, 18739), (376, 18745), (395, 18775), (397, 18778), (430, 18841), (436, 18853), (498, 18988), (534, 19036), (536, 19042), (541, 19060), (557, 19090), (571, 19129), (647, 19255), (670, 19315), (671, 19318), (683, 19351), (751, 19519), (769, 19573), (782, 19618), (808, 19663), (821, 19687), (831, 19720), (841, 19753), (853, 19762), (875, 19825), (879, 19837), (896, 19888), (899, 19894), (951, 19996), (993, 20122), (1004, 20143),

Gene: PattyP_29 Start: 21382, Stop: 23184, Start Num: 159
Candidate Starts for PattyP_29:
(Start: 159 @21382 has 217 MA's), (Start: 176 @21403 has 45 MA's), (Start: 204 @21445 has 1 MA's), (237, 21490), (367, 21706), (395, 21751), (402, 21760), (421, 21799), (448, 21850), (449, 21853), (556, 22048), (581, 22117), (674, 22318), (675, 22321), (683, 22342), (730, 22438), (731, 22441), (733, 22447), (762, 22516), (767, 22534), (769, 22543), (777, 22573), (821, 22669), (831, 22702), (835, 22717), (879, 22858), (899, 22915), (945, 23026),

Gene: Pawn_29 Start: 20460, Stop: 22256, Start Num: 156
Candidate Starts for Pawn_29:
(Start: 156 @20460 has 559 MA's), (Start: 204 @20517 has 1 MA's), (215, 20532), (254, 20586), (259, 20601), (Start: 303 @20688 has 11 MA's), (323, 20700), (325, 20703), (367, 20778), (376, 20793), (508, 21036), (581, 21189), (615, 21276), (669, 21369), (674, 21390), (683, 21414), (687, 21426), (689, 21432), (731, 21513), (762, 21588), (767, 21606), (769, 21615), (775, 21639), (777, 21645), (782, 21660), (790, 21684), (820, 21738), (821, 21741), (828, 21762), (943, 22092), (945, 22098), (992, 22233),

Gene: Payneful_27 Start: 20630, Stop: 22432, Start Num: 159
Candidate Starts for Payneful_27:
(Start: 159 @20630 has 217 MA's), (Start: 176 @20651 has 45 MA's), (Start: 204 @20693 has 1 MA's), (237, 20738), (367, 20954), (395, 20999), (402, 21008), (421, 21047), (448, 21098), (449, 21101), (556, 21296), (581, 21365), (674, 21566), (675, 21569), (683, 21590), (730, 21686), (731, 21689), (733, 21695), (762, 21764), (767, 21782), (769, 21791), (777, 21821), (821, 21917), (831, 21950), (835, 21965), (879, 22106), (899, 22163), (945, 22274),

Gene: PeaceMeal1_26 Start: 17890, Stop: 19668, Start Num: 156
Candidate Starts for PeaceMeal1_26:
(Start: 136 @17866 has 48 MA's), (Start: 156 @17890 has 559 MA's), (Start: 204 @17947 has 1 MA's), (215, 17962), (254, 18016), (323, 18130), (325, 18133), (367, 18208), (391, 18247), (465, 18379), (508, 18466), (546, 18541), (567, 18580), (581, 18619), (615, 18706), (644, 18751), (674, 18820), (683, 18844), (687, 18856), (689, 18862), (767, 19036), (769, 19045), (775, 19069), (777, 19075), (782, 19090), (808, 19123), (828, 19174), (844, 19231), (845, 19237), (899, 19399), (943, 19504), (945, 19510), (948, 19519), (992, 19645),

Gene: Peaches_27 Start: 19826, Stop: 21604, Start Num: 156
Candidate Starts for Peaches_27:
(Start: 136 @19802 has 48 MA's), (Start: 156 @19826 has 559 MA's), (Start: 204 @19883 has 1 MA's), (241, 19937), (254, 19952), (Start: 260 @19970 has 1 MA's), (Start: 303 @20054 has 11 MA's), (323, 20066), (325, 20069), (367, 20144), (376, 20159), (402, 20198), (465, 20315), (508, 20402), (550, 20483), (572, 20531), (581, 20555), (615, 20642), (644, 20687), (675, 20759), (683, 20780), (689, 20798), (731, 20879), (767, 20972), (769, 20981), (775, 21005), (777, 21011), (784, 21035), (821, 21089), (828, 21110), (842, 21161), (850, 21185), (867, 21239), (899, 21335), (943, 21440), (948, 21455), (987, 21563), (992, 21581),

Gene: Peanam_23 Start: 16514, Stop: 18280, Start Num: 178
Candidate Starts for Peanam_23:
(Start: 171 @16505 has 28 MA's), (Start: 178 @16514 has 139 MA's), (Start: 181 @16520 has 15 MA's), (198, 16544), (228, 16583), (272, 16670), (277, 16685), (284, 16703), (295, 16736), (311, 16766), (371, 16901), (395, 16937), (436, 17015), (441, 17024), (491, 17129), (492, 17132), (512, 17171), (534, 17198), (536, 17204), (551, 17246), (557, 17252), (567, 17279), (647, 17417), (656, 17435), (688, 17525), (702, 17552), (721, 17585), (751, 17657), (769, 17711), (779, 17747), (786, 17771), (821, 17816), (831, 17849), (835, 17864), (841, 17882), (853, 17891), (879, 17966), (896, 18017), (899, 18023), (951, 18125), (993, 18251), (994, 18254), (1004, 18272),

Gene: Peeb_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Peeb_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (256, 16739), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Peel_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Peel_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: PegLeg_28 Start: 22367, Stop: 24103, Start Num: 161
Candidate Starts for PegLeg_28:
(69, 22145), (Start: 119 @22325 has 3 MA's), (Start: 128 @22340 has 2 MA's), (Start: 161 @22367 has 14 MA's), (Start: 176 @22382 has 45 MA's), (201, 22421), (223, 22451), (Start: 227 @22457 has 45 MA's), (237, 22469), (291, 22574), (295, 22589), (323, 22628), (389, 22751), (395, 22760), (445, 22856), (471, 22898), (473, 22901), (562, 23078), (610, 23189), (636, 23216), (669, 23288), (670, 23297), (671, 23300), (675, 23312), (730, 23432), (731, 23435), (746, 23477), (761, 23507), (764, 23513), (824, 23633), (826, 23639), (969, 23993), (977, 24020), (983, 24038), (985, 24047),

Gene: Pelly_28 Start: 21801, Stop: 23603, Start Num: 159
Candidate Starts for Pelly_28:
(Start: 159 @21801 has 217 MA's), (Start: 176 @21822 has 45 MA's), (Start: 204 @21864 has 1 MA's), (237, 21909), (367, 22125), (395, 22170), (402, 22179), (421, 22218), (448, 22269), (449, 22272), (556, 22467), (581, 22536), (674, 22737), (675, 22740), (683, 22761), (730, 22857), (731, 22860), (733, 22866), (762, 22935), (767, 22953), (769, 22962), (777, 22992), (821, 23088), (831, 23121), (835, 23136), (844, 23166), (879, 23277), (899, 23334), (945, 23445),

Gene: Pembroke_29 Start: 20380, Stop: 22176, Start Num: 156
Candidate Starts for Pembroke_29:
(Start: 156 @20380 has 559 MA's), (Start: 204 @20437 has 1 MA's), (215, 20452), (238, 20485), (254, 20506), (259, 20521), (Start: 303 @20608 has 11 MA's), (323, 20620), (325, 20623), (367, 20698), (376, 20713), (400, 20749), (508, 20956), (567, 21070), (581, 21109), (615, 21196), (674, 21310), (683, 21334), (689, 21352), (731, 21433), (762, 21508), (767, 21526), (775, 21559), (777, 21565), (790, 21604), (820, 21658), (821, 21661), (828, 21682), (844, 21739), (899, 21907), (943, 22012), (945, 22018), (992, 22153),

Gene: Penny1_29 Start: 20379, Stop: 22175, Start Num: 156
Candidate Starts for Penny1_29:
(Start: 156 @20379 has 559 MA's), (Start: 204 @20436 has 1 MA's), (215, 20451), (238, 20484), (254, 20505), (259, 20520), (Start: 303 @20607 has 11 MA's), (323, 20619), (325, 20622), (367, 20697), (376, 20712), (400, 20748), (508, 20955), (567, 21069), (581, 21108), (615, 21195), (674, 21309), (683, 21333), (689, 21351), (731, 21432), (762, 21507), (767, 21525), (775, 21558), (777, 21564), (790, 21603), (820, 21657), (821, 21660), (828, 21681), (844, 21738), (899, 21906), (943, 22011), (945, 22017), (992, 22152),

Gene: Pepe_28 Start: 21983, Stop: 23785, Start Num: 159
Candidate Starts for Pepe_28:
(Start: 159 @21983 has 217 MA's), (Start: 176 @22004 has 45 MA's), (Start: 204 @22046 has 1 MA's), (237, 22091), (367, 22307), (395, 22352), (402, 22361), (421, 22400), (448, 22451), (449, 22454), (556, 22649), (581, 22718), (674, 22919), (675, 22922), (683, 22943), (730, 23039), (731, 23042), (733, 23048), (762, 23117), (767, 23135), (769, 23144), (777, 23174), (821, 23270), (831, 23303), (835, 23318), (879, 23459), (899, 23516), (945, 23627),

Gene: Pepperoni_17 Start: 15014, Stop: 16723, Start Num: 216
Candidate Starts for Pepperoni_17:
(115, 14879), (Start: 216 @15014 has 31 MA's), (304, 15203), (305, 15206), (347, 15281), (376, 15335), (417, 15404), (469, 15494), (471, 15497), (526, 15629), (547, 15683), (583, 15764), (613, 15824), (631, 15830), (675, 15911), (704, 15989), (714, 16007), (731, 16046), (762, 16118), (764, 16121), (768, 16142), (875, 16376), (880, 16391), (894, 16433), (931, 16526), (933, 16529), (951, 16577), (965, 16607),

Gene: Periodt_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Periodt_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Periwinkle_22 Start: 16893, Stop: 18590, Start Num: 156
Candidate Starts for Periwinkle_22:
(122, 16854), (Start: 156 @16893 has 559 MA's), (Start: 169 @16905 has 3 MA's), (223, 16983), (238, 17004), (266, 17052), (271, 17061), (286, 17103), (323, 17139), (346, 17196), (362, 17217), (377, 17244), (393, 17271), (465, 17400), (495, 17469), (506, 17487), (522, 17496), (525, 17502), (543, 17550), (557, 17580), (570, 17616), (572, 17622), (579, 17643), (581, 17646), (602, 17697), (637, 17727), (654, 17754), (666, 17781), (691, 17853), (710, 17892), (743, 17946), (761, 17988), (783, 18063), (824, 18126), (832, 18153), (833, 18156), (837, 18171), (875, 18255), (878, 18264), (879, 18267), (881, 18273), (885, 18285), (887, 18288), (897, 18318), (900, 18324), (909, 18345), (911, 18348), (933, 18402), (945, 18432), (948, 18441), (970, 18492), (980, 18525), (984, 18537), (989, 18555),

Gene: Perplexer_27 Start: 19823, Stop: 21622, Start Num: 156
Candidate Starts for Perplexer_27:
(Start: 136 @19799 has 48 MA's), (Start: 156 @19823 has 559 MA's), (Start: 162 @19829 has 5 MA's), (Start: 204 @19883 has 1 MA's), (254, 19952), (286, 20030), (Start: 303 @20054 has 11 MA's), (325, 20069), (344, 20105), (367, 20144), (376, 20159), (449, 20291), (465, 20315), (508, 20402), (567, 20516), (581, 20555), (615, 20642), (644, 20687), (674, 20756), (683, 20780), (687, 20792), (731, 20879), (762, 20954), (767, 20972), (769, 20981), (775, 21005), (777, 21011), (782, 21026), (800, 21059), (820, 21104), (821, 21107), (828, 21128), (899, 21353), (933, 21431), (943, 21458), (945, 21464), (992, 21599),

Gene: Perseus_28 Start: 21723, Stop: 23525, Start Num: 159
Candidate Starts for Perseus_28:
(Start: 159 @21723 has 217 MA's), (Start: 176 @21744 has 45 MA's), (Start: 204 @21786 has 1 MA's), (237, 21831), (367, 22047), (395, 22092), (402, 22101), (421, 22140), (448, 22191), (449, 22194), (484, 22263), (556, 22389), (581, 22458), (674, 22659), (675, 22662), (683, 22683), (730,

22779), (731, 22782), (733, 22788), (762, 22857), (767, 22875), (769, 22884), (777, 22914), (821, 23010), (831, 23043), (835, 23058), (879, 23199), (899, 23256), (945, 23367), (1000, 23520),

Gene: PeterPeter_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for PeterPeter_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (430, 20256), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Petersenfast_27 Start: 20752, Stop: 22551, Start Num: 156
Candidate Starts for Petersenfast_27:
(110, 20686), (Start: 136 @20728 has 48 MA's), (Start: 156 @20752 has 559 MA's), (Start: 196 @20794 has 2 MA's), (Start: 260 @20890 has 1 MA's), (269, 20905), (323, 20986), (325, 20989), (367, 21064), (376, 21079), (402, 21118), (406, 21124), (430, 21175), (465, 21235), (469, 21241), (508, 21322), (556, 21406), (603, 21532), (609, 21550), (622, 21577), (689, 21718), (723, 21784), (730, 21796), (731, 21799), (800, 21988), (813, 22015), (819, 22024), (824, 22045), (825, 22048), (831, 22069), (835, 22084), (842, 22108), (866, 22183), (869, 22198), (899, 22282), (943, 22387), (945, 22393), (968, 22447), (1000, 22546),

Gene: Peterson_30 Start: 23011, Stop: 24813, Start Num: 159
Candidate Starts for Peterson_30:
(Start: 159 @23011 has 217 MA's), (Start: 176 @23032 has 45 MA's), (Start: 204 @23074 has 1 MA's), (237, 23119), (367, 23335), (395, 23380), (402, 23389), (421, 23428), (448, 23479), (449, 23482), (465, 23506), (556, 23677), (581, 23746), (670, 23935), (674, 23947), (675, 23950), (683, 23971), (730, 24067), (731, 24070), (733, 24076), (762, 24145), (767, 24163), (769, 24172), (777, 24202), (821, 24298), (831, 24331), (835, 24346), (879, 24487), (899, 24544), (945, 24655), (1000, 24808),

Gene: PeteyPab_33 Start: 29327, Stop: 30925, Start Num: 211
Candidate Starts for PeteyPab_33:
(Start: 211 @29327 has 16 MA's), (280, 29426), (307, 29495), (331, 29534), (404, 29669), (433, 29729), (522, 29882), (529, 29894), (534, 29903), (535, 29906), (551, 29951), (562, 29966), (564, 29975), (567, 29984), (590, 30038), (596, 30056), (643, 30110), (747, 30326), (778, 30419), (849, 30527), (870, 30581), (895, 30656), (954, 30785), (997, 30911),

Gene: PetiteSangsue_27 Start: 19826, Stop: 21625, Start Num: 156
Candidate Starts for PetiteSangsue_27:
(Start: 136 @19802 has 48 MA's), (Start: 156 @19826 has 559 MA's), (Start: 162 @19832 has 5 MA's), (Start: 204 @19886 has 1 MA's), (254, 19955), (Start: 303 @20057 has 11 MA's), (325, 20072), (344, 20108), (367, 20147), (376, 20162), (402, 20201), (449, 20294), (465, 20318), (508, 20405), (567, 20519), (581, 20558), (615, 20645), (644, 20690), (674, 20759), (683, 20783), (687, 20795), (731, 20882), (762, 20957), (767, 20975), (769, 20984), (775, 21008), (777, 21014), (782, 21029), (800, 21062), (820, 21107), (821, 21110), (828, 21131), (899, 21356), (933, 21434), (943, 21461), (945, 21467), (992, 21602),

Gene: Petp2012_29 Start: 22053, Stop: 23855, Start Num: 159
Candidate Starts for Petp2012_29:
(Start: 159 @22053 has 217 MA's), (Start: 176 @22074 has 45 MA's), (Start: 204 @22116 has 1 MA's), (237, 22161), (367, 22377), (395, 22422), (402, 22431), (421, 22470), (448, 22521), (449,

22524), (556, 22719), (581, 22788), (674, 22989), (675, 22992), (683, 23013), (730, 23109), (731, 23112), (733, 23118), (762, 23187), (767, 23205), (769, 23214), (777, 23244), (821, 23340), (831, 23373), (835, 23388), (879, 23529), (899, 23586), (945, 23697),

Gene: Petra_21 Start: 17051, Stop: 18697, Start Num: 227
Candidate Starts for Petra_21:
(203, 17015), (Start: 227 @17051 has 45 MA's), (283, 17153), (318, 17231), (360, 17303), (374, 17330), (396, 17369), (424, 17429), (435, 17450), (468, 17504), (475, 17519), (535, 17552), (553, 17600), (554, 17603), (591, 17690), (600, 17720), (677, 17903), (686, 17927), (715, 18011), (739, 18071), (744, 18083), (799, 18143), (844, 18278), (875, 18377), (881, 18395), (899, 18446), (921, 18506), (925, 18512), (963, 18575), (968, 18587),

Gene: Petra64142_26 Start: 20290, Stop: 21885, Start Num: 212
Candidate Starts for Petra64142_26:
(Start: 147 @20206 has 120 MA's), (Start: 212 @20290 has 47 MA's), (Start: 260 @20368 has 1 MA's), (296, 20455), (301, 20470), (332, 20518), (349, 20557), (405, 20644), (420, 20677), (437, 20713), (454, 20743), (457, 20749), (538, 20818), (561, 20848), (565, 20860), (566, 20863), (591, 20920), (650, 21052), (651, 21058), (675, 21124), (677, 21130), (686, 21154), (704, 21202), (715, 21226), (721, 21235), (754, 21310), (810, 21361), (819, 21376), (867, 21538), (875, 21565), (885, 21595), (926, 21700), (971, 21778), (980, 21814), (983, 21823), (992, 21856), (998, 21871),

Gene: Petruchio_28 Start: 21511, Stop: 23313, Start Num: 159
Candidate Starts for Petruchio_28:
(Start: 159 @21511 has 217 MA's), (Start: 176 @21532 has 45 MA's), (Start: 204 @21574 has 1 MA's), (237, 21619), (367, 21835), (395, 21880), (402, 21889), (421, 21928), (448, 21979), (449, 21982), (556, 22177), (581, 22246), (674, 22447), (675, 22450), (683, 22471), (730, 22567), (731, 22570), (762, 22645), (767, 22663), (769, 22672), (777, 22702), (821, 22798), (831, 22831), (835, 22846), (844, 22876), (879, 22987), (899, 23044), (945, 23155),

Gene: PetterN_25 Start: 18946, Stop: 20745, Start Num: 156
Candidate Starts for PetterN_25:
(Start: 156 @18946 has 559 MA's), (325, 19183), (367, 19258), (376, 19273), (400, 19309), (436, 19381), (445, 19396), (465, 19429), (469, 19435), (567, 19630), (575, 19660), (579, 19666), (615, 19756), (644, 19801), (674, 19870), (689, 19912), (694, 19930), (730, 19990), (731, 19993), (767, 20086), (820, 20227), (831, 20263), (833, 20269), (942, 20578), (945, 20587), (992, 20722),

Gene: Ph8s_29 Start: 18919, Stop: 20709, Start Num: 156
Candidate Starts for Ph8s_29:
(110, 18853), (Start: 136 @18895 has 48 MA's), (Start: 156 @18919 has 559 MA's), (198, 18964), (210, 18979), (269, 19072), (323, 19153), (325, 19156), (366, 19228), (367, 19231), (376, 19246), (402, 19285), (406, 19291), (465, 19402), (469, 19408), (479, 19435), (508, 19489), (550, 19570), (615, 19729), (635, 19759), (677, 19852), (689, 19885), (712, 19936), (731, 19966), (775, 20092), (813, 20173), (819, 20182), (831, 20227), (835, 20242), (842, 20266), (866, 20341), (867, 20344), (869, 20356), (899, 20440), (943, 20545), (968, 20605), (992, 20686),

Gene: Phabuloso_20 Start: 16422, Stop: 18119, Start Num: 156
Candidate Starts for Phabuloso_20:
(122, 16383), (Start: 156 @16422 has 559 MA's), (Start: 169 @16434 has 3 MA's), (Start: 195 @16473 has 1 MA's), (223, 16512), (238, 16533), (266, 16581), (271, 16590), (286, 16632), (323, 16668), (346, 16725), (377, 16773), (393, 16800), (473, 16941), (495, 16998), (506, 17016), (522, 17025), (525, 17031), (557, 17109), (570, 17145), (572, 17151), (579, 17172), (581, 17175), (602, 17226), (636, 17253), (637, 17256), (654, 17283), (666, 17310), (691, 17382), (710, 17421), (743, 17475), (761, 17517), (783, 17592), (824, 17655), (832, 17682), (833, 17685), (837, 17700), (875, 17784), (878,

17793), (879, 17796), (881, 17802), (885, 17814), (887, 17817), (897, 17847), (900, 17853), (909, 17874), (911, 17877), (933, 17931), (945, 17961), (948, 17970), (970, 18021), (980, 18054), (984, 18066), (989, 18084),

Gene: Phacado_27 Start: 19826, Stop: 21604, Start Num: 156
Candidate Starts for Phacado_27:
(Start: 136 @19802 has 48 MA's), (Start: 156 @19826 has 559 MA's), (Start: 204 @19883 has 1 MA's), (241, 19937), (254, 19952), (Start: 260 @19970 has 1 MA's), (Start: 303 @20054 has 11 MA's), (323, 20066), (325, 20069), (367, 20144), (376, 20159), (402, 20198), (465, 20315), (508, 20402), (550, 20483), (572, 20531), (581, 20555), (615, 20642), (644, 20687), (675, 20759), (683, 20780), (689, 20798), (731, 20879), (767, 20972), (769, 20981), (775, 21005), (777, 21011), (784, 21035), (821, 21089), (828, 21110), (842, 21161), (850, 21185), (867, 21239), (899, 21335), (943, 21440), (948, 21455), (987, 21563), (992, 21581),

Gene: Phaded_31 Start: 22135, Stop: 23907, Start Num: 156
Candidate Starts for Phaded_31:
(Start: 136 @22111 has 48 MA's), (Start: 156 @22135 has 559 MA's), (259, 22270), (269, 22288), (323, 22369), (325, 22372), (366, 22444), (367, 22447), (430, 22558), (445, 22585), (465, 22618), (484, 22663), (508, 22705), (556, 22789), (615, 22945), (636, 22978), (723, 23167), (731, 23182), (775, 23308), (777, 23314), (831, 23425), (835, 23440), (837, 23446), (842, 23464), (855, 23500), (866, 23539), (869, 23554), (899, 23638), (943, 23743), (945, 23749), (951, 23767), (964, 23794),

Gene: Phaeder_30 Start: 21746, Stop: 23539, Start Num: 153
Candidate Starts for Phaeder_30:
(Start: 153 @21746 has 9 MA's), (Start: 156 @21749 has 559 MA's), (323, 21983), (325, 21986), (366, 22058), (367, 22061), (376, 22076), (402, 22115), (406, 22121), (465, 22232), (508, 22319), (550, 22400), (556, 22403), (635, 22589), (669, 22652), (675, 22676), (677, 22682), (689, 22715), (731, 22796), (775, 22922), (788, 22964), (790, 22967), (821, 23024), (831, 23057), (835, 23072), (866, 23171), (867, 23174), (869, 23186), (899, 23270), (925, 23336), (943, 23375), (945, 23381), (964, 23426), (983, 23483), (984, 23486),

Gene: PhailMary_22 Start: 16671, Stop: 18296, Start Num: 182
Candidate Starts for PhailMary_22:
(Start: 171 @16656 has 28 MA's), (Start: 182 @16671 has 32 MA's), (232, 16740), (256, 16776), (367, 16962), (439, 17091), (465, 17133), (475, 17151), (478, 17160), (486, 17184), (495, 17202), (525, 17232), (534, 17247), (535, 17250), (546, 17289), (556, 17298), (590, 17382), (635, 17436), (644, 17451), (669, 17499), (675, 17523), (730, 17637), (762, 17715), (772, 17754), (775, 17766), (778, 17775), (808, 17796), (835, 17874), (894, 18021), (938, 18120), (943, 18135), (998, 18288),

Gene: Phaja_24 Start: 20006, Stop: 21601, Start Num: 212
Candidate Starts for Phaja_24:
(Start: 147 @19922 has 120 MA's), (Start: 212 @20006 has 47 MA's), (Start: 260 @20084 has 1 MA's), (296, 20171), (301, 20186), (332, 20234), (349, 20273), (405, 20360), (420, 20393), (437, 20429), (454, 20459), (457, 20465), (538, 20534), (561, 20564), (565, 20576), (566, 20579), (591, 20636), (650, 20768), (651, 20774), (675, 20840), (677, 20846), (686, 20870), (704, 20918), (715, 20942), (721, 20951), (754, 21026), (810, 21077), (819, 21092), (867, 21254), (875, 21281), (885, 21311), (926, 21416), (971, 21494), (980, 21530), (983, 21539), (992, 21572), (998, 21587),

Gene: Phalconet_16 Start: 14857, Stop: 16566, Start Num: 142
Candidate Starts for Phalconet_16:
(Start: 142 @14857 has 207 MA's), (215, 14944), (Start: 249 @14989 has 2 MA's), (258, 15013), (299, 15118), (301, 15124), (309, 15142), (332, 15172), (390, 15277), (422, 15337), (434, 15358), (437, 15367), (450, 15391), (558, 15517), (564, 15532), (566, 15538), (580, 15574), (582, 15577), (589,

15589), (591, 15595), (605, 15643), (611, 15655), (614, 15661), (648, 15721), (653, 15733), (666, 15769), (670, 15781), (700, 15856), (704, 15865), (713, 15883), (715, 15889), (730, 15919), (806, 16024), (810, 16033), (812, 16036), (825, 16072), (847, 16150), (878, 16249), (885, 16270), (896, 16303), (919, 16363), (924, 16372), (928, 16378), (944, 16393), (945, 16396), (955, 16420), (968, 16450), (973, 16462), (980, 16492), (992, 16534),

Gene: Phalm_19 Start: 16273, Stop: 18009, Start Num: 137
Candidate Starts for Phalm_19:
(Start: 121 @16249 has 6 MA's), (Start: 137 @16273 has 45 MA's), (Start: 186 @16333 has 1 MA's), (198, 16354), (201, 16357), (274, 16477), (290, 16516), (300, 16549), (317, 16573), (382, 16693), (405, 16732), (407, 16738), (447, 16822), (450, 16828), (457, 16840), (473, 16864), (485, 16891), (538, 16909), (555, 16948), (558, 16954), (567, 16978), (591, 17032), (594, 17044), (597, 17053), (621, 17113), (658, 17191), (670, 17230), (682, 17263), (704, 17329), (715, 17353), (726, 17377), (740, 17407), (822, 17521), (827, 17533), (830, 17542), (832, 17551), (865, 17659), (892, 17743), (937, 17842), (983, 17950), (998, 17998),

Gene: PhancyPhin_18 Start: 14990, Stop: 16699, Start Num: 147
Candidate Starts for PhancyPhin_18:
(Start: 147 @14990 has 120 MA's), (Start: 171 @15017 has 28 MA's), (198, 15056), (Start: 249 @15122 has 2 MA's), (252, 15134), (269, 15170), (278, 15194), (290, 15221), (296, 15242), (299, 15251), (301, 15257), (324, 15290), (419, 15464), (422, 15470), (425, 15479), (432, 15488), (437, 15500), (450, 15524), (475, 15566), (535, 15599), (558, 15650), (559, 15653), (564, 15665), (580, 15707), (589, 15722), (591, 15728), (605, 15776), (625, 15830), (648, 15854), (674, 15926), (693, 15980), (700, 15989), (704, 15998), (715, 16022), (727, 16049), (730, 16052), (806, 16157), (810, 16166), (825, 16205), (848, 16286), (866, 16343), (878, 16382), (919, 16496), (944, 16526), (945, 16529), (955, 16553), (971, 16589),

Gene: Phanphagia_16 Start: 14859, Stop: 16568, Start Num: 142
Candidate Starts for Phanphagia_16:
(Start: 142 @14859 has 207 MA's), (215, 14946), (Start: 249 @14991 has 2 MA's), (258, 15015), (299, 15120), (301, 15126), (309, 15144), (332, 15174), (390, 15279), (422, 15339), (434, 15360), (437, 15369), (450, 15393), (535, 15468), (536, 15471), (558, 15519), (564, 15534), (566, 15540), (580, 15576), (582, 15579), (589, 15591), (591, 15597), (605, 15645), (611, 15657), (614, 15663), (648, 15723), (653, 15735), (666, 15771), (670, 15783), (700, 15858), (704, 15867), (713, 15885), (715, 15891), (730, 15921), (806, 16026), (810, 16035), (812, 16038), (825, 16074), (847, 16152), (878, 16251), (885, 16272), (896, 16305), (911, 16335), (919, 16365), (924, 16374), (928, 16380), (944, 16395), (945, 16398), (955, 16422), (968, 16452), (973, 16464), (980, 16494), (992, 16536),

Gene: Phantastic_27 Start: 19872, Stop: 21668, Start Num: 156
Candidate Starts for Phantastic_27:
(Start: 156 @19872 has 559 MA's), (Start: 204 @19929 has 1 MA's), (254, 19998), (Start: 303 @20100 has 11 MA's), (323, 20112), (325, 20115), (367, 20190), (402, 20244), (475, 20379), (508, 20448), (567, 20562), (615, 20688), (674, 20802), (683, 20826), (689, 20844), (731, 20925), (762, 21000), (767, 21018), (769, 21027), (777, 21057), (782, 21072), (790, 21096), (800, 21105), (820, 21150), (821, 21153), (828, 21174), (831, 21186), (899, 21399), (911, 21423), (943, 21504), (945, 21510), (992, 21645),

Gene: Pharaoh_28 Start: 21256, Stop: 23046, Start Num: 156
Candidate Starts for Pharaoh_28:
(Start: 136 @21232 has 48 MA's), (Start: 156 @21256 has 559 MA's), (269, 21409), (271, 21412), (323, 21490), (325, 21493), (342, 21523), (366, 21565), (367, 21568), (376, 21583), (402, 21622), (406, 21628), (430, 21679), (465, 21739), (479, 21772), (508, 21826), (550, 21907), (556, 21910), (609, 22054), (635, 22096), (689, 22222), (731, 22303), (775, 22429), (788, 22471), (821, 22531),

(831, 22564), (835, 22579), (837, 22585), (855, 22639), (866, 22678), (869, 22693), (899, 22777), (945, 22888), (964, 22933), (992, 23023),

Gene: Pharb_22 Start: 17427, Stop: 19190, Start Num: 178
Candidate Starts for Pharb_22:
(Start: 171 @17418 has 28 MA's), (Start: 176 @17424 has 45 MA's), (Start: 178 @17427 has 139 MA's), (Start: 195 @17439 has 1 MA's), (255, 17529), (277, 17586), (295, 17637), (311, 17667), (325, 17691), (441, 17931), (448, 17943), (492, 18039), (527, 18093), (536, 18111), (557, 18159), (571, 18198), (587, 18234), (670, 18384), (671, 18387), (682, 18417), (707, 18474), (751, 18567), (769, 18621), (784, 18675), (816, 18705), (821, 18723), (835, 18771), (851, 18795), (863, 18822), (881, 18879), (896, 18924), (948, 19026), (983, 19122), (989, 19143), (993, 19161), (996, 19167), (1004, 19182),

Gene: Pharsalus_25 Start: 20526, Stop: 22205, Start Num: 147
Candidate Starts for Pharsalus_25:
(Start: 147 @20526 has 120 MA's), (Start: 212 @20610 has 47 MA's), (Start: 260 @20688 has 1 MA's), (296, 20775), (301, 20790), (332, 20838), (349, 20877), (405, 20964), (420, 20997), (437, 21033), (454, 21063), (457, 21069), (538, 21138), (561, 21168), (565, 21180), (566, 21183), (591, 21240), (650, 21372), (651, 21378), (675, 21444), (677, 21450), (686, 21474), (704, 21522), (715, 21546), (721, 21555), (754, 21630), (810, 21681), (819, 21696), (867, 21858), (875, 21885), (885, 21915), (926, 22020), (971, 22098), (980, 22134), (983, 22143), (992, 22176), (998, 22191),

Gene: Phasih_17 Start: 15342, Stop: 17051, Start Num: 142
Candidate Starts for Phasih_17:
(Start: 142 @15342 has 207 MA's), (215, 15429), (Start: 249 @15474 has 2 MA's), (258, 15498), (299, 15603), (301, 15609), (309, 15627), (332, 15657), (390, 15762), (419, 15816), (422, 15822), (425, 15831), (434, 15843), (437, 15852), (450, 15876), (473, 15912), (475, 15918), (482, 15930), (535, 15951), (536, 15954), (539, 15963), (544, 15978), (546, 15984), (558, 16002), (564, 16017), (566, 16023), (572, 16041), (573, 16044), (580, 16059), (589, 16074), (591, 16080), (600, 16110), (605, 16128), (611, 16140), (614, 16146), (648, 16206), (653, 16218), (666, 16254), (670, 16266), (677, 16287), (700, 16341), (704, 16350), (715, 16374), (730, 16404), (806, 16509), (812, 16521), (825, 16557), (836, 16596), (847, 16635), (878, 16734), (885, 16755), (896, 16788), (911, 16818), (919, 16848), (924, 16857), (928, 16863), (944, 16878), (945, 16881), (953, 16902), (955, 16905), (973, 16947), (980, 16977), (992, 17019), (993, 17025),

Gene: PhatBacter_24 Start: 19774, Stop: 21453, Start Num: 147
Candidate Starts for PhatBacter_24:
(Start: 147 @19774 has 120 MA's), (Start: 212 @19858 has 47 MA's), (Start: 260 @19936 has 1 MA's), (296, 20023), (301, 20038), (332, 20086), (349, 20125), (405, 20212), (420, 20245), (437, 20281), (454, 20311), (457, 20317), (538, 20386), (561, 20416), (565, 20428), (566, 20431), (591, 20488), (650, 20620), (651, 20626), (675, 20692), (677, 20698), (686, 20722), (704, 20770), (715, 20794), (721, 20803), (754, 20878), (810, 20929), (819, 20944), (867, 21106), (875, 21133), (885, 21163), (926, 21268), (971, 21346), (980, 21382), (983, 21391), (992, 21424), (998, 21439),

Gene: Phatniss_17 Start: 15310, Stop: 17019, Start Num: 142
Candidate Starts for Phatniss_17:
(Start: 142 @15310 has 207 MA's), (215, 15397), (Start: 249 @15442 has 2 MA's), (258, 15466), (282, 15523), (299, 15571), (301, 15577), (309, 15595), (332, 15625), (390, 15730), (419, 15784), (422, 15790), (425, 15799), (434, 15811), (437, 15820), (450, 15844), (473, 15880), (475, 15886), (482, 15898), (535, 15919), (536, 15922), (539, 15931), (544, 15946), (546, 15952), (558, 15970), (564, 15985), (566, 15991), (572, 16009), (573, 16012), (580, 16027), (589, 16042), (591, 16048), (600, 16078), (605, 16096), (611, 16108), (614, 16114), (648, 16174), (653, 16186), (666, 16222), (670, 16234), (677, 16255), (700, 16309), (704, 16318), (715, 16342), (730, 16372), (806, 16477), (812,

16489), (825, 16525), (836, 16564), (847, 16603), (878, 16702), (885, 16723), (896, 16756), (911, 16786), (919, 16816), (924, 16825), (928, 16831), (944, 16846), (945, 16849), (953, 16870), (955, 16873), (973, 16915), (980, 16945), (992, 16987), (993, 16993),

Gene: Phauci_26 Start: 25726, Stop: 27351, Start Num: 183
Candidate Starts for Phauci_26:
(Start: 183 @25726 has 17 MA's), (193, 25738), (215, 25771), (221, 25780), (230, 25792), (Start: 249 @25822 has 2 MA's), (296, 25939), (300, 25951), (341, 26026), (373, 26086), (390, 26116), (567, 26323), (578, 26353), (597, 26398), (621, 26458), (648, 26506), (674, 26578), (687, 26611), (688, 26614), (706, 26653), (724, 26692), (761, 26779), (762, 26782), (826, 26860), (843, 26920), (858, 26965), (881, 27046), (901, 27100), (948, 27196), (992, 27325), (998, 27340),

Gene: Phaux_23 Start: 19772, Stop: 21451, Start Num: 147
Candidate Starts for Phaux_23:
(Start: 147 @19772 has 120 MA's), (Start: 212 @19856 has 47 MA's), (Start: 260 @19934 has 1 MA's), (296, 20021), (301, 20036), (332, 20084), (349, 20123), (405, 20210), (420, 20243), (437, 20279), (454, 20309), (457, 20315), (538, 20384), (561, 20414), (565, 20426), (566, 20429), (591, 20486), (650, 20618), (651, 20624), (675, 20690), (677, 20696), (686, 20720), (704, 20768), (715, 20792), (721, 20801), (754, 20876), (810, 20927), (819, 20942), (867, 21104), (875, 21131), (885, 21161), (926, 21266), (971, 21344), (980, 21380), (983, 21389), (992, 21422), (998, 21437),

Gene: Phayonce_18 Start: 16079, Stop: 17815, Start Num: 137
Candidate Starts for Phayonce_18:
(Start: 137 @16079 has 45 MA's), (198, 16160), (201, 16163), (241, 16214), (243, 16217), (Start: 249 @16226 has 2 MA's), (274, 16283), (290, 16322), (296, 16343), (300, 16355), (309, 16376), (317, 16379), (320, 16385), (382, 16499), (405, 16538), (407, 16544), (466, 16658), (535, 16709), (538, 16715), (555, 16754), (558, 16760), (567, 16784), (591, 16838), (594, 16850), (597, 16859), (621, 16919), (658, 16997), (670, 17036), (704, 17135), (715, 17159), (726, 17183), (740, 17213), (822, 17327), (827, 17339), (830, 17348), (832, 17357), (865, 17465), (918, 17618), (937, 17648), (992, 17789), (998, 17804),

Gene: Phegasus_19 Start: 16391, Stop: 18127, Start Num: 137
Candidate Starts for Phegasus_19:
(Start: 137 @16391 has 45 MA's), (198, 16472), (201, 16475), (241, 16526), (272, 16589), (274, 16595), (290, 16634), (300, 16667), (317, 16691), (382, 16811), (387, 16826), (405, 16850), (407, 16856), (447, 16940), (473, 16982), (535, 17021), (538, 17027), (555, 17066), (558, 17072), (567, 17096), (591, 17150), (597, 17171), (621, 17231), (658, 17309), (670, 17348), (682, 17381), (704, 17447), (715, 17471), (726, 17495), (740, 17525), (746, 17537), (822, 17639), (827, 17651), (828, 17654), (830, 17660), (832, 17669), (865, 17777), (892, 17861), (937, 17960), (968, 18017), (983, 18068), (998, 18116),

Gene: Phelipe_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Phelipe_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: PhelpsODU_22 Start: 16372, Stop: 18138, Start Num: 178
Candidate Starts for PhelpsODU_22:

(Start: 171 @16363 has 28 MA's), (Start: 178 @16372 has 139 MA's), (198, 16402), (277, 16543), (284, 16561), (295, 16594), (311, 16624), (335, 16669), (371, 16759), (395, 16795), (441, 16882), (488, 16975), (491, 16987), (492, 16990), (498, 17008), (512, 17029), (527, 17044), (534, 17056), (536, 17062), (551, 17104), (557, 17110), (656, 17293), (676, 17353), (718, 17437), (724, 17455), (751, 17515), (774, 17590), (782, 17614), (821, 17674), (831, 17707), (832, 17710), (837, 17728), (853, 17749), (879, 17824), (896, 17875), (908, 17902), (948, 17974), (971, 18025), (993, 18109), (994, 18112), (1004, 18130),

Gene: Phendrix_87 Start: 52198, Stop: 53814, Start Num: 185
Candidate Starts for Phendrix_87:
(Start: 185 @52198 has 10 MA's), (Start: 190 @52204 has 1 MA's), (Start: 249 @52288 has 2 MA's), (278, 52357), (291, 52387), (292, 52390), (301, 52420), (324, 52459), (416, 52630), (429, 52654), (437, 52672), (447, 52690), (464, 52720), (565, 52786), (566, 52789), (578, 52822), (601, 52879), (605, 52894), (606, 52897), (607, 52900), (645, 52972), (653, 52987), (661, 53002), (666, 53023), (671, 53038), (733, 53182), (740, 53203), (746, 53218), (815, 53296), (824, 53323), (826, 53329), (843, 53389), (858, 53434), (875, 53491), (878, 53500), (885, 53521), (899, 53560), (919, 53614), (948, 53659), (953, 53668),

Gene: PherrisBueller_28 Start: 20966, Stop: 22768, Start Num: 159
Candidate Starts for PherrisBueller_28:
(Start: 159 @20966 has 217 MA's), (Start: 176 @20987 has 45 MA's), (Start: 204 @21029 has 1 MA's), (237, 21074), (367, 21290), (395, 21335), (402, 21344), (421, 21383), (448, 21434), (449, 21437), (556, 21632), (581, 21701), (674, 21902), (675, 21905), (683, 21926), (730, 22022), (731, 22025), (733, 22031), (762, 22100), (767, 22118), (769, 22127), (777, 22157), (821, 22253), (831, 22286), (835, 22301), (879, 22442), (899, 22499), (945, 22610), (1000, 22763),

Gene: PhesterPhotato_16 Start: 14827, Stop: 16536, Start Num: 142
Candidate Starts for PhesterPhotato_16:
(Start: 142 @14827 has 207 MA's), (215, 14914), (Start: 249 @14959 has 2 MA's), (258, 14983), (299, 15088), (301, 15094), (309, 15112), (332, 15142), (390, 15247), (422, 15307), (434, 15328), (437, 15337), (450, 15361), (558, 15487), (564, 15502), (566, 15508), (580, 15544), (582, 15547), (589, 15559), (591, 15565), (605, 15613), (611, 15625), (614, 15631), (648, 15691), (653, 15703), (666, 15739), (670, 15751), (700, 15826), (704, 15835), (713, 15853), (715, 15859), (730, 15889), (806, 15994), (810, 16003), (812, 16006), (825, 16042), (847, 16120), (878, 16219), (885, 16240), (896, 16273), (911, 16303), (919, 16333), (924, 16342), (928, 16348), (944, 16363), (945, 16366), (955, 16390), (968, 16420), (973, 16432), (980, 16462), (992, 16504),

Gene: Phighter1804_27 Start: 19805, Stop: 21583, Start Num: 156
Candidate Starts for Phighter1804_27:
(Start: 136 @19781 has 48 MA's), (Start: 156 @19805 has 559 MA's), (Start: 204 @19862 has 1 MA's), (241, 19916), (254, 19931), (Start: 260 @19949 has 1 MA's), (Start: 303 @20033 has 11 MA's), (323, 20045), (325, 20048), (367, 20123), (376, 20138), (402, 20177), (465, 20294), (508, 20381), (550, 20462), (572, 20510), (581, 20534), (615, 20621), (644, 20666), (675, 20738), (683, 20759), (689, 20777), (767, 20951), (769, 20960), (775, 20984), (777, 20990), (784, 21014), (821, 21068), (828, 21089), (842, 21140), (850, 21164), (867, 21218), (899, 21314), (943, 21419), (948, 21434), (987, 21542), (992, 21560),

Gene: Phillis_24 Start: 18628, Stop: 20418, Start Num: 156
Candidate Starts for Phillis_24:
(Start: 136 @18604 has 48 MA's), (Start: 156 @18628 has 559 MA's), (235, 18721), (Start: 260 @18766 has 1 MA's), (325, 18865), (344, 18901), (367, 18940), (376, 18955), (400, 18991), (465, 19111), (469, 19117), (536, 19237), (590, 19366), (615, 19438), (674, 19552), (767, 19768), (774, 19798), (775, 19801), (821, 19903), (831, 19936), (835, 19951), (844, 19981), (942, 20251), (945,

20260), (948, 20269), (989, 20383),

Gene: Philonius_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Philonius_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Philus_16 Start: 14812, Stop: 16521, Start Num: 142
Candidate Starts for Philus_16:
(Start: 142 @14812 has 207 MA's), (215, 14899), (Start: 249 @14944 has 2 MA's), (258, 14968), (282, 15025), (299, 15073), (301, 15079), (309, 15097), (332, 15127), (390, 15232), (419, 15286), (422, 15292), (425, 15301), (437, 15322), (450, 15346), (473, 15382), (475, 15388), (535, 15421), (536, 15424), (539, 15433), (544, 15448), (546, 15454), (558, 15472), (564, 15487), (566, 15493), (572, 15511), (573, 15514), (580, 15529), (589, 15544), (591, 15550), (605, 15598), (611, 15610), (614, 15616), (648, 15676), (653, 15688), (666, 15724), (670, 15736), (700, 15811), (704, 15820), (713, 15838), (715, 15844), (730, 15874), (806, 15979), (812, 15991), (825, 16027), (847, 16105), (885, 16225), (896, 16258), (911, 16288), (913, 16300), (919, 16318), (922, 16324), (924, 16327), (928, 16333), (944, 16348), (945, 16351), (953, 16372), (955, 16375), (973, 16417), (980, 16447), (992, 16489), (993, 16495),

Gene: Phinally_33 Start: 29134, Stop: 30759, Start Num: 183
Candidate Starts for Phinally_33:
(Start: 138 @29077 has 1 MA's), (Start: 183 @29134 has 17 MA's), (193, 29146), (215, 29179), (221, 29188), (230, 29200), (Start: 249 @29230 has 2 MA's), (261, 29263), (296, 29347), (300, 29359), (341, 29434), (373, 29494), (390, 29524), (567, 29731), (578, 29761), (596, 29803), (597, 29806), (621, 29866), (648, 29914), (674, 29986), (687, 30019), (688, 30022), (706, 30061), (724, 30100), (761, 30187), (762, 30190), (826, 30268), (843, 30328), (858, 30373), (881, 30454), (901, 30508), (948, 30604), (992, 30733), (998, 30748),

Gene: PhineBark_27 Start: 21857, Stop: 23659, Start Num: 159
Candidate Starts for PhineBark_27:
(Start: 159 @21857 has 217 MA's), (Start: 176 @21878 has 45 MA's), (Start: 204 @21920 has 1 MA's), (237, 21965), (367, 22181), (395, 22226), (402, 22235), (421, 22274), (448, 22325), (449, 22328), (556, 22523), (581, 22592), (674, 22793), (675, 22796), (683, 22817), (730, 22913), (731, 22916), (733, 22922), (762, 22991), (767, 23009), (769, 23018), (777, 23048), (821, 23144), (831, 23177), (835, 23192), (879, 23333), (899, 23390), (945, 23501),

Gene: Phineas_19 Start: 16382, Stop: 18118, Start Num: 137
Candidate Starts for Phineas_19:
(Start: 121 @16358 has 6 MA's), (Start: 137 @16382 has 45 MA's), (Start: 186 @16442 has 1 MA's), (198, 16463), (201, 16466), (274, 16586), (290, 16625), (300, 16658), (317, 16682), (382, 16802), (405, 16841), (407, 16847), (447, 16931), (450, 16937), (457, 16949), (473, 16973), (485, 17000), (538, 17018), (555, 17057), (558, 17063), (567, 17087), (591, 17141), (594, 17153), (597, 17162), (621, 17222), (658, 17300), (670, 17339), (682, 17372), (704, 17438), (711, 17453), (715, 17462), (726, 17486), (740, 17516), (746, 17528), (822, 17630), (827, 17642), (828, 17645), (830, 17651), (832, 17660), (865, 17768), (892, 17852), (937, 17951), (983, 18059), (998, 18107),

Gene: PhinkBoden_48 Start: 29995, Stop: 31686, Start Num: 165
Candidate Starts for PhinkBoden_48:
(Start: 165 @29995 has 14 MA's), (207, 30055), (229, 30088), (250, 30121), (299, 30247), (317, 30280), (322, 30289), (392, 30418), (418, 30466), (591, 30679), (592, 30685), (600, 30709), (661, 30838), (666, 30859), (677, 30892), (754, 31090), (844, 31243), (875, 31342), (879, 31354), (882, 31363), (913, 31447), (981, 31594), (991, 31630), (994, 31642),

Gene: Phish_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Phish_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: PhishRPhriends_28 Start: 19644, Stop: 21440, Start Num: 156
Candidate Starts for PhishRPhriends_28:
(Start: 156 @19644 has 559 MA's), (Start: 204 @19701 has 1 MA's), (215, 19716), (254, 19770), (259, 19785), (Start: 303 @19872 has 11 MA's), (323, 19884), (325, 19887), (367, 19962), (376, 19977), (508, 20220), (581, 20373), (615, 20460), (669, 20553), (674, 20574), (683, 20598), (687, 20610), (689, 20616), (731, 20697), (762, 20772), (767, 20790), (769, 20799), (775, 20823), (777, 20829), (782, 20844), (790, 20868), (820, 20922), (821, 20925), (828, 20946), (943, 21276), (945, 21282), (992, 21417),

Gene: Phishy_22 Start: 18770, Stop: 20428, Start Num: 219
Candidate Starts for Phishy_22:
(97, 18581), (124, 18641), (Start: 194 @18734 has 44 MA's), (Start: 219 @18770 has 2 MA's), (Start: 225 @18782 has 3 MA's), (277, 18896), (280, 18902), (309, 18980), (345, 19046), (347, 19052), (411, 19163), (415, 19172), (428, 19199), (434, 19208), (444, 19229), (565, 19400), (566, 19403), (592, 19469), (597, 19484), (626, 19568), (636, 19577), (661, 19619), (666, 19640), (683, 19688), (687, 19700), (695, 19727), (726, 19796), (759, 19865), (806, 19898), (828, 19955), (843, 20006), (864, 20075), (893, 20162), (899, 20177), (920, 20234), (926, 20243), (969, 20321), (972, 20327),

Gene: Phistory_21 Start: 17200, Stop: 18897, Start Num: 156
Candidate Starts for Phistory_21:
(122, 17161), (Start: 156 @17200 has 559 MA's), (Start: 169 @17212 has 3 MA's), (Start: 171 @17215 has 28 MA's), (Start: 195 @17251 has 1 MA's), (223, 17290), (238, 17311), (261, 17353), (266, 17359), (268, 17362), (273, 17374), (286, 17410), (323, 17446), (346, 17503), (377, 17551), (393, 17578), (448, 17680), (473, 17719), (495, 17776), (506, 17794), (522, 17803), (525, 17809), (543, 17857), (557, 17887), (570, 17923), (572, 17929), (579, 17950), (581, 17953), (602, 18004), (636, 18031), (637, 18034), (654, 18061), (666, 18088), (691, 18160), (710, 18199), (743, 18253), (769, 18325), (783, 18370), (832, 18460), (837, 18478), (875, 18562), (878, 18571), (879, 18574), (881, 18580), (887, 18595), (897, 18625), (900, 18631), (909, 18652), (911, 18655), (933, 18709), (945, 18739), (948, 18748), (970, 18799), (980, 18832), (984, 18844), (989, 18862),

Gene: Phlei_23 Start: 21753, Stop: 23534, Start Num: 156
Candidate Starts for Phlei_23:
(Start: 156 @21753 has 559 MA's), (238, 21852), (241, 21858), (Start: 260 @21891 has 1 MA's), (286, 21951), (323, 21987), (325, 21990), (367, 22065), (475, 22254), (508, 22323), (550, 22404), (556, 22407), (575, 22467), (590, 22491), (635, 22587), (675, 22674), (689, 22713), (730, 22788), (807, 22986), (820, 23016), (821, 23019), (835, 23067), (858, 23139), (866, 23166), (899, 23265), (925, 23331), (933, 23343), (943, 23370), (945, 23376), (984, 23481),

Gene: PhlipPhlop_16 Start: 14759, Stop: 16468, Start Num: 142
Candidate Starts for PhlipPhlop_16:
(Start: 142 @14759 has 207 MA's), (215, 14846), (Start: 249 @14891 has 2 MA's), (258, 14915), (299, 15020), (301, 15026), (309, 15044), (332, 15074), (390, 15179), (422, 15239), (432, 15257), (434, 15260), (437, 15269), (450, 15293), (558, 15419), (564, 15434), (566, 15440), (580, 15476), (582, 15479), (589, 15491), (591, 15497), (605, 15545), (611, 15557), (614, 15563), (648, 15623), (653, 15635), (666, 15671), (670, 15683), (700, 15758), (704, 15767), (713, 15785), (715, 15791), (730, 15821), (806, 15926), (812, 15938), (825, 15974), (847, 16052), (885, 16172), (896, 16205), (911, 16235), (913, 16247), (919, 16265), (922, 16271), (924, 16274), (928, 16280), (944, 16295), (945, 16298), (953, 16319), (955, 16322), (973, 16364), (980, 16394), (992, 16436), (993, 16442),

Gene: Phlippers_26 Start: 22182, Stop: 23984, Start Num: 159
Candidate Starts for Phlippers_26:
(Start: 159 @22182 has 217 MA's), (Start: 176 @22203 has 45 MA's), (Start: 204 @22245 has 1 MA's), (237, 22290), (367, 22506), (395, 22551), (402, 22560), (448, 22650), (449, 22653), (495, 22746), (556, 22848), (581, 22917), (670, 23106), (674, 23118), (675, 23121), (683, 23142), (730, 23238), (731, 23241), (733, 23247), (762, 23316), (767, 23334), (769, 23343), (777, 23373), (821, 23469), (831, 23502), (835, 23517), (844, 23547), (879, 23658), (899, 23715), (945, 23826),

Gene: Phlop_31 Start: 25945, Stop: 27711, Start Num: 111
Candidate Starts for Phlop_31:
(93, 25903), (Start: 111 @25945 has 74 MA's), (Start: 131 @25981 has 1 MA's), (Start: 159 @26014 has 217 MA's), (287, 26224), (289, 26227), (323, 26257), (351, 26323), (367, 26347), (372, 26356), (393, 26389), (478, 26542), (495, 26581), (535, 26632), (539, 26644), (543, 26662), (548, 26674), (553, 26686), (562, 26701), (571, 26731), (572, 26734), (579, 26755), (636, 26827), (663, 26875), (699, 26986), (724, 27019), (740, 27058), (743, 27061), (769, 27133), (803, 27199), (809, 27211), (879, 27382), (880, 27385), (896, 27433), (909, 27460), (917, 27487), (943, 27541), (984, 27658), (990, 27679), (1000, 27706),

Gene: Phlorence_24 Start: 19764, Stop: 21563, Start Num: 156
Candidate Starts for Phlorence_24:
(Start: 156 @19764 has 559 MA's), (241, 19869), (Start: 260 @19902 has 1 MA's), (325, 20001), (367, 20076), (376, 20091), (400, 20127), (436, 20199), (445, 20214), (465, 20247), (469, 20253), (575, 20478), (579, 20484), (615, 20574), (671, 20679), (674, 20688), (689, 20730), (694, 20748), (730, 20808), (731, 20811), (762, 20886), (767, 20904), (820, 21045), (831, 21081), (899, 21294), (942, 21396), (945, 21405), (986, 21519), (992, 21540), (994, 21549),

Gene: Phloss_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Phloss_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Phoebe_29 Start: 20377, Stop: 22173, Start Num: 156
Candidate Starts for Phoebe_29:
(Start: 156 @20377 has 559 MA's), (Start: 204 @20434 has 1 MA's), (215, 20449), (238, 20482), (254, 20503), (259, 20518), (Start: 303 @20605 has 11 MA's), (323, 20617), (325, 20620), (367, 20695),

(376, 20710), (400, 20746), (508, 20953), (567, 21067), (581, 21106), (615, 21193), (674, 21307), (683, 21331), (689, 21349), (731, 21430), (762, 21505), (767, 21523), (775, 21556), (777, 21562), (790, 21601), (820, 21655), (821, 21658), (828, 21679), (844, 21736), (899, 21904), (943, 22009), (945, 22015), (992, 22150),

Gene: Phoebus_36 Start: 27621, Stop: 29619, Start Num: 141
Candidate Starts for Phoebus_36:
(Start: 141 @27621 has 37 MA's), (Start: 212 @27711 has 47 MA's), (245, 27759), (258, 27789), (317, 27918), (334, 27948), (385, 28047), (407, 28083), (420, 28110), (457, 28182), (464, 28191), (475, 28212), (546, 28281), (566, 28320), (567, 28323), (572, 28338), (591, 28377), (605, 28425), (611, 28437), (614, 28443), (630, 28491), (635, 28500), (650, 28521), (658, 28539), (673, 28587), (713, 28689), (746, 28761), (766, 28806), (768, 28818), (795, 28953), (796, 28959), (797, 28983), (798, 29055), (804, 29082), (886, 29331),

Gene: Phomeo_40 Start: 30475, Stop: 32088, Start Num: 202
Candidate Starts for Phomeo_40:
(Start: 202 @30475 has 36 MA's), (Start: 231 @30511 has 1 MA's), (242, 30529), (277, 30589), (406, 30829), (410, 30841), (417, 30856), (458, 30922), (469, 30937), (481, 30961), (482, 30964), (519, 31048), (535, 31078), (536, 31081), (562, 31138), (576, 31186), (577, 31189), (590, 31210), (663, 31315), (686, 31360), (704, 31402), (773, 31576), (783, 31606), (785, 31612), (860, 31720), (861, 31723), (885, 31798), (980, 32017), (998, 32074),

Gene: Phonnegut_30 Start: 21782, Stop: 23572, Start Num: 156
Candidate Starts for Phonnegut_30:
(Start: 153 @21779 has 9 MA's), (Start: 156 @21782 has 559 MA's), (323, 22016), (325, 22019), (366, 22091), (367, 22094), (376, 22109), (402, 22148), (406, 22154), (465, 22265), (508, 22352), (550, 22433), (556, 22436), (635, 22622), (669, 22685), (675, 22709), (677, 22715), (689, 22748), (731, 22829), (775, 22955), (788, 22997), (821, 23057), (831, 23090), (835, 23105), (866, 23204), (867, 23207), (869, 23219), (899, 23303), (925, 23369), (943, 23408), (945, 23414), (964, 23459), (983, 23516), (984, 23519),

Gene: Phontbonne_27 Start: 19771, Stop: 21549, Start Num: 156
Candidate Starts for Phontbonne_27:
(Start: 136 @19747 has 48 MA's), (Start: 156 @19771 has 559 MA's), (Start: 204 @19828 has 1 MA's), (241, 19882), (254, 19897), (Start: 260 @19915 has 1 MA's), (Start: 303 @19999 has 11 MA's), (323, 20011), (325, 20014), (367, 20089), (376, 20104), (402, 20143), (465, 20260), (508, 20347), (550, 20428), (572, 20476), (581, 20500), (615, 20587), (644, 20632), (675, 20704), (683, 20725), (689, 20743), (731, 20824), (767, 20917), (769, 20926), (775, 20950), (777, 20956), (784, 20980), (821, 21034), (828, 21055), (842, 21106), (850, 21130), (899, 21280), (943, 21385), (948, 21400), (987, 21508), (992, 21526),

Gene: PhorbesPhlower_18 Start: 15153, Stop: 16865, Start Num: 157
Candidate Starts for PhorbesPhlower_18:
(Start: 157 @15153 has 24 MA's), (170, 15165), (197, 15207), (264, 15309), (302, 15381), (346, 15462), (379, 15513), (395, 15546), (417, 15588), (421, 15594), (445, 15642), (475, 15693), (488, 15729), (523, 15771), (535, 15792), (537, 15798), (543, 15822), (567, 15873), (568, 15876), (577, 15906), (740, 16218), (767, 16284), (774, 16314), (826, 16407), (832, 16428), (835, 16440), (837, 16446), (839, 16452), (841, 16458), (868, 16512), (879, 16542), (904, 16611), (943, 16698), (945, 16704), (954, 16728), (967, 16755),

Gene: Phoxy_29 Start: 20463, Stop: 22259, Start Num: 156
Candidate Starts for Phoxy_29:

(Start: 156 @20463 has 559 MA's), (Start: 204 @20520 has 1 MA's), (215, 20535), (238, 20568), (254, 20589), (259, 20604), (Start: 303 @20691 has 11 MA's), (323, 20703), (325, 20706), (367, 20781), (376, 20796), (400, 20832), (508, 21039), (567, 21153), (581, 21192), (615, 21279), (674, 21393), (683, 21417), (689, 21435), (731, 21516), (762, 21591), (767, 21609), (775, 21642), (777, 21648), (790, 21687), (820, 21741), (821, 21744), (828, 21765), (844, 21822), (899, 21990), (943, 22095), (945, 22101), (992, 22236),

Gene: Phrank_22 Start: 16326, Stop: 18092, Start Num: 178
Candidate Starts for Phrank_22:
(Start: 171 @16317 has 28 MA's), (Start: 178 @16326 has 139 MA's), (198, 16356), (272, 16482), (277, 16497), (284, 16515), (295, 16548), (311, 16578), (335, 16623), (371, 16713), (395, 16749), (436, 16827), (441, 16836), (484, 16920), (488, 16929), (491, 16941), (492, 16944), (512, 16983), (527, 16998), (536, 17016), (551, 17058), (557, 17064), (656, 17247), (676, 17307), (718, 17391), (724, 17409), (751, 17469), (774, 17544), (782, 17568), (821, 17628), (831, 17661), (832, 17664), (837, 17682), (853, 17703), (879, 17778), (896, 17829), (899, 17835), (908, 17856), (948, 17928), (971, 17979), (993, 18063), (994, 18066), (1004, 18084),

Gene: Phrankenstein_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Phrankenstein_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Phrann_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for Phrann_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: Phranny_30 Start: 20452, Stop: 22248, Start Num: 156
Candidate Starts for Phranny_30:
(Start: 156 @20452 has 559 MA's), (Start: 204 @20509 has 1 MA's), (215, 20524), (254, 20578), (259, 20593), (Start: 303 @20680 has 11 MA's), (323, 20692), (325, 20695), (367, 20770), (376, 20785), (508, 21028), (581, 21181), (615, 21268), (669, 21361), (674, 21382), (683, 21406), (687, 21418), (689, 21424), (731, 21505), (762, 21580), (767, 21598), (769, 21607), (775, 21631), (777, 21637), (790, 21676), (820, 21730), (821, 21733), (828, 21754), (899, 21979), (943, 22084), (945, 22090), (992, 22225),

Gene: Phreak_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Phreak_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: PhriskyACE_19 Start: 16822, Stop: 18402, Start Num: 213
Candidate Starts for PhriskyACE_19:
(11, 16045), (26, 16201), (53, 16396), (61, 16432), (62, 16435), (70, 16519), (72, 16525), (98, 16651), (123, 16705), (Start: 213 @16822 has 53 MA's), (313, 16993), (358, 17080), (367, 17098), (369, 17101), (406, 17155), (423, 17194), (455, 17251), (469, 17272), (585, 17443), (592, 17461), (606, 17485), (631, 17506), (663, 17548), (691, 17629), (730, 17719), (768, 17821), (784, 17878), (836, 17968), (948, 18247), (951, 18256), (965, 18286),

Gene: PhrostedPhlake_20 Start: 17026, Stop: 18672, Start Num: 227
Candidate Starts for PhrostedPhlake_20:
(203, 16990), (Start: 227 @17026 has 45 MA's), (283, 17128), (296, 17164), (318, 17206), (349, 17266), (374, 17305), (396, 17344), (417, 17389), (424, 17404), (435, 17425), (468, 17479), (475, 17494), (591, 17665), (600, 17695), (677, 17878), (686, 17902), (739, 18046), (744, 18058), (799, 18118), (843, 18250), (844, 18253), (875, 18352), (881, 18370), (899, 18421), (921, 18481), (925, 18487), (963, 18550), (968, 18562),

Gene: PhrostyMug_27 Start: 21160, Stop: 22962, Start Num: 159
Candidate Starts for PhrostyMug_27:
(Start: 159 @21160 has 217 MA's), (Start: 176 @21181 has 45 MA's), (Start: 204 @21223 has 1 MA's), (237, 21268), (367, 21484), (395, 21529), (402, 21538), (421, 21577), (448, 21628), (449, 21631), (556, 21826), (581, 21895), (674, 22096), (675, 22099), (683, 22120), (730, 22216), (731, 22219), (733, 22225), (762, 22294), (767, 22312), (769, 22321), (777, 22351), (821, 22447), (831, 22480), (835, 22495), (879, 22636), (899, 22693), (945, 22804),

Gene: Phrux_24 Start: 19487, Stop: 21166, Start Num: 147
Candidate Starts for Phrux_24:
(Start: 147 @19487 has 120 MA's), (Start: 212 @19571 has 47 MA's), (Start: 260 @19649 has 1 MA's), (296, 19736), (301, 19751), (332, 19799), (349, 19838), (405, 19925), (420, 19958), (437, 19994), (454, 20024), (457, 20030), (538, 20099), (561, 20129), (565, 20141), (566, 20144), (591, 20201), (650, 20333), (651, 20339), (675, 20405), (677, 20411), (686, 20435), (704, 20483), (715, 20507), (721, 20516), (754, 20591), (810, 20642), (819, 20657), (867, 20819), (875, 20846), (885, 20876), (926, 20981), (971, 21059), (980, 21095), (983, 21104), (992, 21137), (998, 21152),

Gene: Piatt_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Piatt_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Pickett_17 Start: 14682, Stop: 16391, Start Num: 216
Candidate Starts for Pickett_17:
(115, 14547), (Start: 216 @14682 has 31 MA's), (278, 14799), (304, 14871), (305, 14874), (327, 14910), (347, 14949), (358, 14970), (417, 15072), (469, 15162), (471, 15165), (526, 15297), (547, 15351), (571, 15402), (583, 15432), (613, 15492), (634, 15504), (663, 15540), (675, 15579), (691, 15621), (704, 15657), (714, 15675), (722, 15690), (731, 15714), (762, 15786), (768, 15810), (825, 15918), (875, 16044), (880, 16059), (894, 16101), (931, 16194), (933, 16197), (951, 16245), (965, 16275), (973, 16293), (974, 16305), (986, 16344),

Gene: PickleBack_24 Start: 19478, Stop: 21277, Start Num: 156

Candidate Starts for PickleBack_24:
(Start: 156 @19478 has 559 MA's), (241, 19583), (Start: 260 @19616 has 1 MA's), (325, 19715), (367, 19790), (376, 19805), (400, 19841), (436, 19913), (445, 19928), (465, 19961), (469, 19967), (522, 20060), (567, 20162), (575, 20192), (579, 20198), (615, 20288), (635, 20318), (670, 20390), (674, 20402), (675, 20405), (689, 20444), (694, 20462), (730, 20522), (731, 20525), (752, 20576), (767, 20618), (820, 20759), (833, 20801), (945, 21119), (992, 21254),

Gene: Pimento_23 Start: 17041, Stop: 18747, Start Num: 222
Candidate Starts for Pimento_23:
(Start: 164 @16966 has 1 MA's), (Start: 222 @17041 has 16 MA's), (272, 17134), (277, 17149), (280, 17155), (309, 17230), (330, 17266), (343, 17302), (397, 17413), (421, 17458), (430, 17476), (436, 17488), (534, 17659), (537, 17668), (539, 17674), (551, 17707), (576, 17770), (599, 17821), (630, 17845), (644, 17869), (674, 17944), (688, 17983), (747, 18115), (784, 18229), (831, 18316), (878, 18430), (881, 18439), (925, 18544), (969, 18631), (1004, 18739),

Gene: PinkCoffee_33 Start: 26584, Stop: 28350, Start Num: 111
Candidate Starts for PinkCoffee_33:
(93, 26542), (Start: 111 @26584 has 74 MA's), (Start: 131 @26620 has 1 MA's), (Start: 159 @26653 has 217 MA's), (287, 26863), (289, 26866), (323, 26896), (351, 26962), (367, 26986), (372, 26995), (393, 27028), (478, 27181), (495, 27220), (535, 27271), (539, 27283), (543, 27301), (548, 27313), (553, 27325), (562, 27340), (571, 27370), (572, 27373), (579, 27394), (636, 27466), (663, 27514), (699, 27625), (724, 27658), (743, 27700), (769, 27772), (803, 27838), (809, 27850), (879, 28021), (880, 28024), (896, 28072), (909, 28099), (917, 28126), (943, 28180), (984, 28297), (990, 28318), (1000, 28345),

Gene: PinkPlastic_26 Start: 20900, Stop: 22702, Start Num: 159
Candidate Starts for PinkPlastic_26:
(Start: 159 @20900 has 217 MA's), (Start: 176 @20921 has 45 MA's), (Start: 204 @20963 has 1 MA's), (237, 21008), (367, 21224), (395, 21269), (402, 21278), (448, 21368), (449, 21371), (495, 21464), (556, 21566), (581, 21635), (674, 21836), (675, 21839), (683, 21860), (730, 21956), (731, 21959), (733, 21965), (762, 22034), (767, 22052), (769, 22061), (777, 22091), (821, 22187), (831, 22220), (835, 22235), (879, 22376), (899, 22433), (945, 22544),

Gene: PinkYoshi_18 Start: 16631, Stop: 18394, Start Num: 171
Candidate Starts for PinkYoshi_18:
(Start: 171 @16631 has 28 MA's), (Start: 194 @16640 has 44 MA's), (Start: 196 @16646 has 2 MA's), (201, 16652), (277, 16784), (295, 16835), (311, 16865), (325, 16889), (367, 16991), (391, 17030), (395, 17036), (406, 17051), (425, 17096), (488, 17216), (513, 17273), (536, 17312), (557, 17360), (567, 17387), (571, 17399), (607, 17480), (647, 17525), (731, 17723), (743, 17753), (751, 17771), (762, 17798), (785, 17882), (805, 17900), (818, 17915), (831, 17963), (835, 17978), (867, 18041), (885, 18098), (899, 18137), (915, 18179), (948, 18230), (983, 18326), (1004, 18386),

Gene: Pinnie_19 Start: 17358, Stop: 19082, Start Num: 194
Candidate Starts for Pinnie_19:
(Start: 194 @17358 has 44 MA's), (273, 17478), (295, 17541), (307, 17568), (311, 17571), (367, 17697), (376, 17712), (391, 17736), (395, 17742), (400, 17748), (425, 17802), (488, 17922), (536, 18018), (539, 18027), (551, 18060), (557, 18066), (571, 18105), (647, 18231), (671, 18294), (731, 18423), (751, 18471), (762, 18498), (771, 18534), (785, 18582), (805, 18588), (840, 18681), (885, 18786), (913, 18861), (983, 19014), (994, 19056), (996, 19059),

Gene: Pinto_30 Start: 21713, Stop: 23515, Start Num: 159
Candidate Starts for Pinto_30:

(Start: 159 @21713 has 217 MA's), (Start: 176 @21734 has 45 MA's), (Start: 204 @21776 has 1 MA's), (237, 21821), (367, 22037), (395, 22082), (402, 22091), (448, 22181), (449, 22184), (556, 22379), (581, 22448), (674, 22649), (675, 22652), (683, 22673), (730, 22769), (731, 22772), (733, 22778), (762, 22847), (767, 22865), (769, 22874), (777, 22904), (821, 23000), (831, 23033), (835, 23048), (879, 23189), (899, 23246), (945, 23357),

Gene: Pioneer_30 Start: 21782, Stop: 23572, Start Num: 156
Candidate Starts for Pioneer_30:
(Start: 153 @21779 has 9 MA's), (Start: 156 @21782 has 559 MA's), (323, 22016), (325, 22019), (366, 22091), (367, 22094), (376, 22109), (402, 22148), (406, 22154), (465, 22265), (508, 22352), (550, 22433), (556, 22436), (635, 22622), (669, 22685), (675, 22709), (677, 22715), (689, 22748), (731, 22829), (775, 22955), (788, 22997), (821, 23057), (831, 23090), (835, 23105), (866, 23204), (867, 23207), (869, 23219), (899, 23303), (925, 23369), (943, 23408), (945, 23414), (964, 23459), (983, 23516), (984, 23519),

Gene: Pipcraft_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Pipcraft_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Piper2020_17 Start: 14677, Stop: 16386, Start Num: 142
Candidate Starts for Piper2020_17:
(Start: 142 @14677 has 207 MA's), (215, 14764), (Start: 249 @14809 has 2 MA's), (258, 14833), (299, 14938), (301, 14944), (309, 14962), (332, 14992), (390, 15097), (422, 15157), (425, 15166), (432, 15175), (434, 15178), (437, 15187), (450, 15211), (535, 15286), (539, 15298), (544, 15313), (546, 15319), (558, 15337), (564, 15352), (566, 15358), (572, 15376), (573, 15379), (580, 15394), (589, 15409), (591, 15415), (605, 15463), (611, 15475), (614, 15481), (648, 15541), (653, 15553), (666, 15589), (670, 15601), (677, 15622), (700, 15676), (704, 15685), (713, 15703), (715, 15709), (730, 15739), (806, 15844), (812, 15856), (825, 15892), (847, 15970), (878, 16069), (896, 16123), (911, 16153), (913, 16165), (919, 16183), (922, 16189), (924, 16192), (928, 16198), (944, 16213), (945, 16216), (953, 16237), (955, 16240), (968, 16270), (973, 16282), (992, 16354),

Gene: Pipp_19 Start: 16644, Stop: 18290, Start Num: 227
Candidate Starts for Pipp_19:
(203, 16608), (Start: 227 @16644 has 45 MA's), (283, 16746), (318, 16824), (374, 16923), (396, 16962), (435, 17043), (468, 17097), (475, 17112), (560, 17208), (591, 17283), (600, 17313), (677, 17496), (686, 17520), (700, 17571), (739, 17664), (744, 17676), (765, 17721), (799, 17736), (843, 17868), (844, 17871), (875, 17970), (881, 17988), (899, 18039), (921, 18099), (925, 18105), (963, 18168), (968, 18180),

Gene: Pippin_29 Start: 21464, Stop: 23266, Start Num: 159
Candidate Starts for Pippin_29:
(Start: 159 @21464 has 217 MA's), (Start: 176 @21485 has 45 MA's), (Start: 204 @21527 has 1 MA's), (237, 21572), (367, 21788), (395, 21833), (402, 21842), (421, 21881), (448, 21932), (449, 21935), (556, 22130), (581, 22199), (674, 22400), (675, 22403), (683, 22424), (730, 22520), (731, 22523), (733, 22529), (762, 22598), (767, 22616), (769, 22625), (777, 22655), (821, 22751), (831, 22784), (835, 22799), (879, 22940), (899, 22997), (945, 23108),

Gene: Pippy_16 Start: 14798, Stop: 16507, Start Num: 142
Candidate Starts for Pippy_16:
(Start: 142 @14798 has 207 MA's), (215, 14885), (Start: 249 @14930 has 2 MA's), (258, 14954), (299, 15059), (301, 15065), (309, 15083), (332, 15113), (390, 15218), (422, 15278), (434, 15299), (437, 15308), (450, 15332), (558, 15458), (564, 15473), (566, 15479), (580, 15515), (582, 15518), (589, 15530), (591, 15536), (605, 15584), (611, 15596), (614, 15602), (648, 15662), (653, 15674), (666, 15710), (670, 15722), (700, 15797), (704, 15806), (713, 15824), (715, 15830), (730, 15860), (806, 15965), (810, 15974), (812, 15977), (825, 16013), (847, 16091), (878, 16190), (885, 16211), (896, 16244), (911, 16274), (919, 16304), (924, 16313), (928, 16319), (944, 16334), (945, 16337), (955, 16361), (968, 16391), (973, 16403), (980, 16433), (992, 16475),

Gene: Pipsqueaks_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Pipsqueaks_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Piro94_29 Start: 20672, Stop: 22444, Start Num: 156
Candidate Starts for Piro94_29:
(Start: 136 @20648 has 48 MA's), (Start: 156 @20672 has 559 MA's), (259, 20807), (269, 20825), (323, 20906), (325, 20909), (366, 20981), (367, 20984), (402, 21038), (406, 21044), (436, 21107), (465, 21155), (479, 21188), (508, 21242), (550, 21323), (556, 21326), (567, 21356), (635, 21512), (675, 21599), (731, 21719), (774, 21842), (775, 21845), (777, 21851), (808, 21899), (831, 21962), (835, 21977), (837, 21983), (855, 22037), (866, 22076), (869, 22091), (881, 22124), (896, 22169), (943, 22280), (945, 22286), (968, 22340),

Gene: Pistachio_28 Start: 19451, Stop: 21247, Start Num: 156
Candidate Starts for Pistachio_28:
(Start: 156 @19451 has 559 MA's), (Start: 204 @19508 has 1 MA's), (254, 19577), (Start: 303 @19679 has 11 MA's), (323, 19691), (325, 19694), (367, 19769), (376, 19784), (402, 19823), (475, 19958), (508, 20027), (567, 20141), (615, 20267), (674, 20381), (683, 20405), (689, 20423), (731, 20504), (762, 20579), (767, 20597), (769, 20606), (775, 20630), (777, 20636), (782, 20651), (800, 20684), (820, 20729), (821, 20732), (828, 20753), (831, 20765), (833, 20771), (850, 20828), (899, 20978), (911, 21002), (943, 21083), (945, 21089), (992, 21224),

Gene: Pita2_29 Start: 21585, Stop: 23387, Start Num: 159
Candidate Starts for Pita2_29:
(Start: 159 @21585 has 217 MA's), (Start: 176 @21606 has 45 MA's), (Start: 204 @21648 has 1 MA's), (237, 21693), (367, 21909), (395, 21954), (402, 21963), (421, 22002), (448, 22053), (449, 22056), (556, 22251), (581, 22320), (674, 22521), (675, 22524), (683, 22545), (730, 22641), (731, 22644), (733, 22650), (762, 22719), (767, 22737), (769, 22746), (777, 22776), (821, 22872), (831, 22905), (835, 22920), (879, 23061), (899, 23118), (945, 23229),

Gene: Pixie_22 Start: 17358, Stop: 19121, Start Num: 178
Candidate Starts for Pixie_22:
(Start: 171 @17349 has 28 MA's), (Start: 178 @17358 has 139 MA's), (255, 17460), (277, 17517), (295, 17568), (311, 17598), (325, 17622), (436, 17853), (441, 17862), (448, 17874), (491, 17967), (492, 17970), (536, 18042), (539, 18051), (551, 18084), (557, 18090), (571, 18129), (587, 18165),

(647, 18255), (671, 18318), (707, 18405), (751, 18498), (774, 18573), (821, 18654), (835, 18702), (851, 18726), (863, 18753), (881, 18810), (896, 18855), (948, 18957), (962, 18984), (980, 19044), (983, 19053), (989, 19074), (993, 19092), (996, 19098), (1004, 19113),

Gene: Plagueis_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Plagueis_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Pleakley_50 Start: 30683, Stop: 32302, Start Num: 202
Candidate Starts for Pleakley_50:
(Start: 202 @30683 has 36 MA's), (214, 30698), (242, 30737), (277, 30797), (313, 30881), (417, 31064), (458, 31130), (469, 31145), (485, 31181), (519, 31256), (535, 31286), (536, 31289), (541, 31307), (562, 31346), (571, 31376), (690, 31580), (704, 31610), (728, 31658), (730, 31661), (773, 31784), (785, 31820), (885, 32006), (957, 32159), (976, 32213), (980, 32225), (984, 32237), (998, 32282),

Gene: Plumbus_17 Start: 14635, Stop: 16344, Start Num: 142
Candidate Starts for Plumbus_17:
(Start: 142 @14635 has 207 MA's), (215, 14722), (Start: 249 @14767 has 2 MA's), (258, 14791), (266, 14812), (299, 14896), (301, 14902), (309, 14920), (332, 14950), (390, 15055), (422, 15115), (434, 15136), (437, 15145), (450, 15169), (558, 15295), (564, 15310), (566, 15316), (580, 15352), (582, 15355), (589, 15367), (591, 15373), (605, 15421), (611, 15433), (614, 15439), (648, 15499), (653, 15511), (666, 15547), (670, 15559), (700, 15634), (704, 15643), (713, 15661), (715, 15667), (730, 15697), (806, 15802), (810, 15811), (812, 15814), (825, 15850), (847, 15928), (878, 16027), (885, 16048), (896, 16081), (911, 16111), (919, 16141), (924, 16150), (928, 16156), (944, 16171), (945, 16174), (955, 16198), (968, 16228), (973, 16240), (980, 16270), (992, 16312),

Gene: Pmask_31 Start: 19970, Stop: 21742, Start Num: 156
Candidate Starts for Pmask_31:
(110, 19904), (Start: 136 @19946 has 48 MA's), (Start: 156 @19970 has 559 MA's), (286, 20168), (325, 20207), (366, 20279), (367, 20282), (379, 20300), (402, 20336), (406, 20342), (465, 20453), (469, 20459), (484, 20498), (508, 20540), (536, 20579), (550, 20621), (556, 20624), (575, 20684), (684, 20921), (689, 20936), (731, 21017), (777, 21149), (835, 21275), (852, 21326), (855, 21335), (866, 21374), (867, 21377), (869, 21389), (899, 21473), (943, 21578), (945, 21584), (992, 21719),

Gene: Pocahontas_28 Start: 20452, Stop: 22251, Start Num: 156
Candidate Starts for Pocahontas_28:
(Start: 156 @20452 has 559 MA's), (Start: 204 @20512 has 1 MA's), (254, 20581), (Start: 303 @20683 has 11 MA's), (323, 20695), (325, 20698), (367, 20773), (376, 20788), (402, 20827), (475, 20962), (508, 21031), (567, 21145), (615, 21271), (674, 21385), (683, 21409), (687, 21421), (689, 21427), (731, 21508), (762, 21583), (767, 21601), (769, 21610), (775, 21634), (777, 21640), (782, 21655), (800, 21688), (820, 21733), (821, 21736), (828, 21757), (867, 21886), (899, 21982), (943, 22087), (945, 22093), (992, 22228),

Gene: Poenanya_16 Start: 14940, Stop: 16649, Start Num: 142
Candidate Starts for Poenanya_16:
(Start: 142 @14940 has 207 MA's), (215, 15027), (Start: 249 @15072 has 2 MA's), (258, 15096), (299, 15201), (301, 15207), (309, 15225), (332, 15255), (390, 15360), (422, 15420), (434, 15441), (437,

15450), (450, 15474), (535, 15549), (558, 15600), (564, 15615), (566, 15621), (580, 15657), (582, 15660), (589, 15672), (591, 15678), (605, 15726), (611, 15738), (614, 15744), (648, 15804), (653, 15816), (666, 15852), (670, 15864), (700, 15939), (704, 15948), (713, 15966), (715, 15972), (730, 16002), (806, 16107), (812, 16119), (825, 16155), (847, 16233), (878, 16332), (885, 16353), (896, 16386), (911, 16416), (919, 16446), (922, 16452), (924, 16455), (928, 16461), (944, 16476), (945, 16479), (953, 16500), (955, 16503), (973, 16545), (992, 16617), (993, 16623),

Gene: Poise_50 Start: 26718, Stop: 28430, Start Num: 175
Candidate Starts for Poise_50:
(122, 26655), (Start: 175 @26718 has 56 MA's), (Start: 233 @26799 has 1 MA's), (266, 26856), (296, 26937), (298, 26943), (339, 27000), (342, 27012), (346, 27024), (367, 27063), (376, 27078), (417, 27147), (445, 27201), (449, 27210), (539, 27366), (562, 27414), (564, 27423), (567, 27432), (581, 27471), (590, 27486), (636, 27549), (644, 27561), (689, 27678), (690, 27681), (712, 27732), (729, 27759), (731, 27762), (738, 27783), (758, 27825), (820, 27945), (826, 27963), (881, 28107), (896, 28152), (905, 28170), (942, 28254), (945, 28263), (951, 28281), (961, 28302), (977, 28347), (979, 28353), (983, 28365), (986, 28377), (990, 28389), (998, 28413), (1002, 28419),

Gene: Pokerus_22 Start: 17105, Stop: 18871, Start Num: 178
Candidate Starts for Pokerus_22:
(Start: 178 @17105 has 139 MA's), (198, 17135), (284, 17294), (295, 17327), (311, 17357), (329, 17390), (371, 17492), (400, 17534), (436, 17606), (441, 17615), (465, 17654), (484, 17699), (491, 17720), (492, 17723), (527, 17777), (536, 17795), (551, 17837), (557, 17843), (567, 17870), (647, 18008), (656, 18026), (670, 18068), (676, 18086), (688, 18116), (702, 18143), (751, 18248), (821, 18407), (832, 18443), (841, 18473), (853, 18482), (879, 18557), (896, 18608), (983, 18803), (993, 18842), (994, 18845), (1004, 18863),

Gene: Policronamos_24 Start: 19858, Stop: 21453, Start Num: 212
Candidate Starts for Policronamos_24:
(Start: 147 @19774 has 120 MA's), (Start: 212 @19858 has 47 MA's), (Start: 260 @19936 has 1 MA's), (296, 20023), (301, 20038), (332, 20086), (349, 20125), (405, 20212), (420, 20245), (437, 20281), (454, 20311), (457, 20317), (538, 20386), (561, 20416), (565, 20428), (566, 20431), (591, 20488), (650, 20620), (651, 20626), (675, 20692), (677, 20698), (686, 20722), (704, 20770), (715, 20794), (721, 20803), (754, 20878), (810, 20929), (819, 20944), (867, 21106), (875, 21133), (885, 21163), (926, 21268), (971, 21346), (980, 21382), (983, 21391), (992, 21424), (998, 21439),

Gene: Polka14_17 Start: 15348, Stop: 17057, Start Num: 142
Candidate Starts for Polka14_17:
(Start: 142 @15348 has 207 MA's), (215, 15435), (Start: 249 @15480 has 2 MA's), (258, 15504), (299, 15609), (301, 15615), (309, 15633), (332, 15663), (390, 15768), (422, 15828), (434, 15849), (437, 15858), (450, 15882), (558, 16008), (564, 16023), (566, 16029), (580, 16065), (582, 16068), (589, 16080), (591, 16086), (605, 16134), (611, 16146), (614, 16152), (648, 16212), (653, 16224), (666, 16260), (670, 16272), (677, 16293), (700, 16347), (704, 16356), (713, 16374), (715, 16380), (730, 16410), (806, 16515), (812, 16527), (825, 16563), (836, 16602), (847, 16641), (878, 16740), (885, 16761), (896, 16794), (911, 16824), (919, 16854), (922, 16860), (924, 16863), (928, 16869), (944, 16884), (945, 16887), (953, 16908), (955, 16911), (973, 16953), (980, 16983), (992, 17025),

Gene: Polkaroo_19 Start: 16401, Stop: 18137, Start Num: 137
Candidate Starts for Polkaroo_19:
(Start: 121 @16377 has 6 MA's), (Start: 137 @16401 has 45 MA's), (Start: 186 @16461 has 1 MA's), (198, 16482), (201, 16485), (274, 16605), (290, 16644), (300, 16677), (317, 16701), (382, 16821), (405, 16860), (407, 16866), (447, 16950), (450, 16956), (457, 16968), (473, 16992), (485, 17019), (538, 17037), (555, 17076), (558, 17082), (567, 17106), (591, 17160), (594, 17172), (597, 17181), (621, 17241), (658, 17319), (670, 17358), (682, 17391), (704, 17457), (711, 17472), (715, 17481),

(726, 17505), (740, 17535), (746, 17547), (822, 17649), (827, 17661), (828, 17664), (830, 17670), (832, 17679), (865, 17787), (892, 17871), (937, 17970), (992, 18111), (998, 18126),

Gene: Pollux_20 Start: 17566, Stop: 19272, Start Num: 157
Candidate Starts for Pollux_20:
(Start: 137 @17542 has 45 MA's), (Start: 157 @17566 has 24 MA's), (238, 17671), (262, 17713), (302, 17788), (367, 17902), (445, 18049), (448, 18055), (475, 18100), (546, 18238), (577, 18313), (730, 18595), (737, 18616), (767, 18691), (809, 18778), (826, 18814), (835, 18847), (837, 18853), (868, 18919), (879, 18949), (943, 19105), (945, 19111), (951, 19129), (990, 19240),

Gene: Polly_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Polly_19:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: Polymorphads_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Polymorphads_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Polyphemus_30 Start: 19968, Stop: 21740, Start Num: 156
Candidate Starts for Polyphemus_30:
(110, 19902), (Start: 136 @19944 has 48 MA's), (Start: 156 @19968 has 559 MA's), (286, 20166), (325, 20205), (366, 20277), (367, 20280), (379, 20298), (402, 20334), (406, 20340), (465, 20451), (469, 20457), (484, 20496), (508, 20538), (536, 20577), (550, 20619), (556, 20622), (575, 20682), (684, 20919), (689, 20934), (731, 21015), (777, 21147), (835, 21273), (852, 21324), (855, 21333), (866, 21372), (867, 21375), (869, 21387), (899, 21471), (943, 21576), (945, 21582), (992, 21717),

Gene: Polyyuki_45 Start: 31365, Stop: 32939, Start Num: 211
Candidate Starts for Polyyuki_45:
(Start: 211 @31365 has 16 MA's), (218, 31374), (256, 31428), (268, 31452), (277, 31455), (419, 31725), (458, 31788), (469, 31803), (529, 31920), (536, 31935), (562, 31992), (564, 32001), (577, 32043), (590, 32064), (600, 32094), (655, 32151), (690, 32226), (734, 32322), (773, 32427), (774, 32430), (783, 32457), (837, 32535), (861, 32574), (915, 32730), (954, 32796),

Gene: Pomar16_31 Start: 20090, Stop: 21880, Start Num: 156
Candidate Starts for Pomar16_31:
(110, 20024), (Start: 136 @20066 has 48 MA's), (Start: 156 @20090 has 559 MA's), (269, 20243), (323, 20324), (325, 20327), (366, 20399), (367, 20402), (376, 20417), (402, 20456), (406, 20462), (465, 20573), (475, 20591), (508, 20660), (550, 20741), (556, 20744), (615, 20900), (635, 20930), (731, 21137), (775, 21263), (821, 21365), (831, 21398), (835, 21413), (842, 21437), (866, 21512), (867, 21515), (869, 21527), (899, 21611), (933, 21689), (943, 21716), (945, 21722), (964, 21767), (968, 21776), (992, 21857),

Gene: Pons_18 Start: 15412, Stop: 17109, Start Num: 141

Candidate Starts for Pons_18:
(Start: 141 @15412 has 37 MA's), (Start: 151 @15415 has 50 MA's), (235, 15514), (259, 15556), (271, 15577), (340, 15694), (400, 15796), (445, 15883), (462, 15913), (477, 15940), (495, 15985), (508, 16003), (525, 16018), (534, 16033), (553, 16090), (567, 16123), (571, 16135), (583, 16165), (620, 16222), (635, 16240), (652, 16270), (666, 16300), (671, 16315), (688, 16363), (707, 16414), (731, 16450), (736, 16465), (744, 16483), (767, 16540), (832, 16669), (835, 16681), (878, 16780), (879, 16783), (885, 16801), (914, 16879), (925, 16906), (945, 16948), (994, 17095), (998, 17101),

Gene: Poochiewood_18 Start: 16704, Stop: 18515, Start Num: 111
Candidate Starts for Poochiewood_18:
(Start: 103 @16683 has 1 MA's), (Start: 111 @16704 has 74 MA's), (Start: 119 @16719 has 3 MA's), (Start: 136 @16746 has 48 MA's), (207, 16839), (241, 16887), (246, 16893), (265, 16920), (266, 16923), (269, 16929), (295, 17001), (298, 17010), (318, 17034), (327, 17049), (342, 17079), (414, 17205), (417, 17214), (427, 17235), (435, 17250), (475, 17319), (488, 17355), (501, 17376), (542, 17445), (562, 17484), (636, 17622), (644, 17634), (674, 17709), (676, 17715), (683, 17733), (695, 17772), (712, 17805), (716, 17814), (724, 17823), (730, 17832), (731, 17835), (774, 17955), (785, 17991), (826, 18039), (830, 18051), (858, 18105), (888, 18201), (893, 18219), (895, 18225), (896, 18228), (912, 18261), (919, 18285), (951, 18348), (965, 18390), (977, 18429), (983, 18447), (989, 18468), (994, 18489),

Gene: Poompha_26 Start: 17888, Stop: 19666, Start Num: 156
Candidate Starts for Poompha_26:
(Start: 136 @17864 has 48 MA's), (Start: 156 @17888 has 559 MA's), (Start: 204 @17945 has 1 MA's), (215, 17960), (254, 18014), (323, 18128), (325, 18131), (367, 18206), (391, 18245), (465, 18377), (508, 18464), (546, 18539), (567, 18578), (581, 18617), (615, 18704), (644, 18749), (674, 18818), (683, 18842), (687, 18854), (689, 18860), (712, 18911), (767, 19034), (769, 19043), (775, 19067), (777, 19073), (782, 19088), (808, 19121), (828, 19172), (844, 19229), (845, 19235), (899, 19397), (943, 19502), (945, 19508), (948, 19517), (992, 19643),

Gene: PopTart_16 Start: 14854, Stop: 16563, Start Num: 142
Candidate Starts for PopTart_16:
(Start: 142 @14854 has 207 MA's), (215, 14941), (Start: 249 @14986 has 2 MA's), (258, 15010), (299, 15115), (301, 15121), (309, 15139), (332, 15169), (390, 15274), (422, 15334), (425, 15343), (432, 15352), (434, 15355), (437, 15364), (450, 15388), (558, 15514), (564, 15529), (566, 15535), (580, 15571), (582, 15574), (589, 15586), (591, 15592), (605, 15640), (611, 15652), (614, 15658), (648, 15718), (653, 15730), (666, 15766), (670, 15778), (700, 15853), (704, 15862), (713, 15880), (715, 15886), (730, 15916), (806, 16021), (810, 16030), (812, 16033), (825, 16069), (847, 16147), (878, 16246), (885, 16267), (896, 16300), (911, 16330), (919, 16360), (924, 16369), (928, 16375), (944, 16390), (945, 16393), (955, 16417), (968, 16447), (973, 16459), (980, 16489), (992, 16531),

Gene: Popcicle_28 Start: 20452, Stop: 22251, Start Num: 156
Candidate Starts for Popcicle_28:
(Start: 156 @20452 has 559 MA's), (Start: 204 @20512 has 1 MA's), (254, 20581), (Start: 303 @20683 has 11 MA's), (323, 20695), (325, 20698), (367, 20773), (376, 20788), (402, 20827), (475, 20962), (508, 21031), (567, 21145), (615, 21271), (674, 21385), (683, 21409), (687, 21421), (689, 21427), (731, 21508), (762, 21583), (767, 21601), (769, 21610), (775, 21634), (777, 21640), (782, 21655), (800, 21688), (820, 21733), (821, 21736), (828, 21757), (867, 21886), (899, 21982), (943, 22087), (945, 22093), (992, 22228),

Gene: Porcelain_33 Start: 24890, Stop: 26623, Start Num: 141
Candidate Starts for Porcelain_33:
(Start: 141 @24890 has 37 MA's), (Start: 212 @24980 has 47 MA's), (215, 24983), (258, 25058), (272, 25085), (296, 25151), (317, 25187), (334, 25217), (340, 25232), (385, 25316), (407, 25352), (420,

25379), (438, 25418), (457, 25451), (464, 25460), (536, 25517), (552, 25559), (586, 25634), (591, 25646), (611, 25706), (630, 25760), (650, 25790), (658, 25808), (662, 25817), (671, 25850), (675, 25862), (677, 25868), (691, 25907), (715, 25964), (819, 26114), (822, 26132), (835, 26174), (842, 26198), (843, 26201), (847, 26216), (858, 26246), (867, 26276), (885, 26333), (958, 26483), (994, 26603), (998, 26609),

Gene: Porky_24 Start: 19667, Stop: 21262, Start Num: 212
Candidate Starts for Porky_24:
(Start: 147 @19583 has 120 MA's), (Start: 212 @19667 has 47 MA's), (Start: 260 @19745 has 1 MA's), (296, 19832), (301, 19847), (332, 19895), (349, 19934), (405, 20021), (420, 20054), (437, 20090), (454, 20120), (457, 20126), (538, 20195), (561, 20225), (565, 20237), (566, 20240), (591, 20297), (650, 20429), (651, 20435), (675, 20501), (677, 20507), (686, 20531), (704, 20579), (715, 20603), (721, 20612), (754, 20687), (810, 20738), (819, 20753), (867, 20915), (875, 20942), (885, 20972), (926, 21077), (971, 21155), (980, 21191), (983, 21200), (992, 21233), (998, 21248),

Gene: Portcullis_31 Start: 25894, Stop: 27660, Start Num: 111
Candidate Starts for Portcullis_31:
(93, 25852), (Start: 111 @25894 has 74 MA's), (Start: 131 @25930 has 1 MA's), (Start: 159 @25963 has 217 MA's), (287, 26173), (289, 26176), (323, 26206), (351, 26272), (367, 26296), (372, 26305), (393, 26338), (478, 26491), (495, 26530), (535, 26581), (539, 26593), (543, 26611), (548, 26623), (553, 26635), (562, 26650), (571, 26680), (572, 26683), (579, 26704), (636, 26776), (663, 26824), (699, 26935), (724, 26968), (740, 27007), (743, 27010), (769, 27082), (803, 27148), (809, 27160), (879, 27331), (880, 27334), (896, 27382), (909, 27409), (917, 27436), (919, 27442), (943, 27490), (984, 27607), (990, 27628), (1000, 27655),

Gene: Posh_20 Start: 17530, Stop: 19236, Start Num: 157
Candidate Starts for Posh_20:
(Start: 137 @17506 has 45 MA's), (Start: 157 @17530 has 24 MA's), (238, 17635), (262, 17677), (302, 17752), (367, 17866), (445, 18013), (448, 18019), (475, 18064), (546, 18202), (577, 18277), (730, 18559), (737, 18580), (767, 18655), (809, 18742), (826, 18778), (835, 18811), (837, 18817), (868, 18883), (879, 18913), (943, 19069), (945, 19075), (951, 19093), (990, 19204),

Gene: PotPie_18 Start: 16277, Stop: 17974, Start Num: 141
Candidate Starts for PotPie_18:
(Start: 141 @16277 has 37 MA's), (Start: 151 @16280 has 50 MA's), (235, 16379), (259, 16421), (400, 16661), (445, 16748), (456, 16769), (462, 16778), (477, 16805), (495, 16850), (525, 16883), (534, 16898), (541, 16922), (553, 16955), (567, 16988), (571, 17000), (594, 17057), (635, 17105), (652, 17135), (666, 17165), (671, 17180), (688, 17228), (707, 17279), (731, 17315), (736, 17330), (744, 17348), (767, 17405), (769, 17414), (832, 17534), (835, 17546), (862, 17594), (878, 17645), (879, 17648), (885, 17666), (914, 17744), (925, 17771), (945, 17813), (994, 17960), (998, 17966),

Gene: PotatoChip_34 Start: 29329, Stop: 30927, Start Num: 211
Candidate Starts for PotatoChip_34:
(Start: 211 @29329 has 16 MA's), (280, 29428), (307, 29497), (331, 29536), (404, 29671), (433, 29731), (522, 29884), (529, 29896), (534, 29905), (535, 29908), (551, 29953), (562, 29968), (564, 29977), (567, 29986), (590, 30040), (596, 30058), (643, 30112), (747, 30328), (778, 30421), (849, 30529), (870, 30583), (895, 30658), (954, 30787), (997, 30913),

Gene: PotatoSplit_30 Start: 20379, Stop: 22175, Start Num: 156
Candidate Starts for PotatoSplit_30:
(Start: 156 @20379 has 559 MA's), (Start: 204 @20436 has 1 MA's), (215, 20451), (238, 20484), (254, 20505), (259, 20520), (Start: 303 @20607 has 11 MA's), (323, 20619), (325, 20622), (367, 20697), (376, 20712), (400, 20748), (508, 20955), (567, 21069), (581, 21108), (615, 21195), (674, 21309),

(683, 21333), (689, 21351), (731, 21432), (762, 21507), (767, 21525), (775, 21558), (777, 21564), (790, 21603), (820, 21657), (821, 21660), (828, 21681), (844, 21738), (899, 21906), (943, 22011), (945, 22017), (992, 22152),

Gene: Poushou_19 Start: 17425, Stop: 19089, Start Num: 159
Candidate Starts for Poushou_19:
(Start: 159 @17425 has 217 MA's), (184, 17458), (346, 17716), (395, 17794), (462, 17917), (469, 17926), (471, 17929), (475, 17938), (478, 17947), (556, 18088), (562, 18100), (579, 18154), (667, 18289), (678, 18322), (686, 18340), (690, 18352), (694, 18367), (730, 18427), (737, 18448), (740, 18457), (767, 18523), (775, 18556), (808, 18586), (811, 18592), (813, 18595), (835, 18664), (878, 18763), (881, 18772), (944, 18928), (948, 18940),

Gene: Power_28 Start: 20118, Stop: 21890, Start Num: 156
Candidate Starts for Power_28:
(110, 20052), (Start: 136 @20094 has 48 MA's), (Start: 156 @20118 has 559 MA's), (238, 20217), (281, 20301), (323, 20352), (325, 20355), (366, 20427), (367, 20430), (402, 20484), (421, 20523), (445, 20568), (465, 20601), (508, 20688), (550, 20769), (556, 20772), (675, 21045), (731, 21165), (775, 21291), (808, 21345), (831, 21408), (835, 21423), (837, 21429), (855, 21483), (866, 21522), (869, 21537), (899, 21621), (945, 21732), (992, 21867),

Gene: Powerball_19 Start: 16819, Stop: 18399, Start Num: 213
Candidate Starts for Powerball_19:
(Start: 213 @16819 has 53 MA's), (358, 17077), (369, 17098), (406, 17152), (414, 17170), (423, 17191), (455, 17248), (469, 17269), (585, 17440), (592, 17458), (606, 17482), (631, 17503), (663, 17545), (691, 17626), (730, 17716), (768, 17818), (769, 17821), (784, 17875), (948, 18244), (951, 18253), (954, 18259), (965, 18283), (971, 18295),

Gene: Priamo_31 Start: 20019, Stop: 21791, Start Num: 156
Candidate Starts for Priamo_31:
(110, 19953), (Start: 136 @19995 has 48 MA's), (Start: 156 @20019 has 559 MA's), (Start: 260 @20157 has 1 MA's), (286, 20217), (323, 20253), (325, 20256), (366, 20328), (367, 20331), (402, 20385), (406, 20391), (430, 20442), (465, 20502), (469, 20508), (484, 20547), (508, 20589), (536, 20628), (550, 20670), (556, 20673), (575, 20733), (684, 20970), (689, 20985), (731, 21066), (766, 21153), (777, 21198), (835, 21324), (855, 21384), (866, 21423), (867, 21426), (869, 21438), (899, 21522), (943, 21627), (945, 21633), (992, 21768),

Gene: Prinashe11_25 Start: 19626, Stop: 21422, Start Num: 156
Candidate Starts for Prinashe11_25:
(Start: 156 @19626 has 559 MA's), (241, 19731), (Start: 260 @19764 has 1 MA's), (325, 19863), (367, 19938), (376, 19953), (400, 19989), (436, 20061), (445, 20076), (469, 20115), (479, 20142), (488, 20163), (519, 20202), (575, 20340), (579, 20346), (644, 20481), (670, 20538), (671, 20541), (674, 20550), (689, 20592), (694, 20610), (730, 20670), (731, 20673), (767, 20766), (769, 20775), (775, 20799), (820, 20907), (831, 20943), (899, 21153), (942, 21255), (945, 21264), (986, 21378), (992, 21399), (994, 21408),

Gene: PrincePatrick_19 Start: 16814, Stop: 18463, Start Num: 227
Candidate Starts for PrincePatrick_19:
(40, 16283), (45, 16313), (46, 16319), (66, 16451), (74, 16508), (76, 16517), (127, 16676), (203, 16778), (Start: 227 @16814 has 45 MA's), (283, 16919), (318, 16997), (349, 17057), (360, 17069), (361, 17072), (468, 17270), (475, 17285), (484, 17300), (554, 17369), (560, 17381), (563, 17390), (564, 17393), (571, 17414), (591, 17456), (600, 17486), (677, 17669), (686, 17693), (700, 17744), (739, 17837), (744, 17849), (763, 17891), (799, 17909), (844, 18044), (875, 18143), (881, 18161), (899, 18212), (921, 18272), (925, 18278), (968, 18353),

Gene: Pringar_50 Start: 27006, Stop: 28718, Start Num: 175
Candidate Starts for Pringar_50:
(122, 26943), (Start: 175 @27006 has 56 MA's), (Start: 233 @27087 has 1 MA's), (266, 27144), (296, 27225), (298, 27231), (339, 27288), (342, 27300), (346, 27312), (367, 27351), (376, 27366), (417, 27435), (445, 27489), (449, 27498), (539, 27654), (562, 27702), (564, 27711), (567, 27720), (581, 27759), (590, 27774), (636, 27837), (644, 27849), (689, 27966), (690, 27969), (712, 28020), (729, 28047), (731, 28050), (738, 28071), (758, 28113), (820, 28233), (826, 28251), (881, 28395), (896, 28440), (905, 28458), (942, 28542), (945, 28551), (951, 28569), (961, 28590), (977, 28635), (979, 28641), (983, 28653), (986, 28665), (990, 28677), (998, 28701), (1002, 28707),

Gene: Priscilla_16 Start: 14816, Stop: 16525, Start Num: 142
Candidate Starts for Priscilla_16:
(Start: 142 @14816 has 207 MA's), (215, 14903), (Start: 249 @14948 has 2 MA's), (258, 14972), (299, 15077), (301, 15083), (309, 15101), (332, 15131), (390, 15236), (422, 15296), (434, 15317), (437, 15326), (450, 15350), (535, 15425), (536, 15428), (558, 15476), (564, 15491), (566, 15497), (580, 15533), (582, 15536), (589, 15548), (591, 15554), (605, 15602), (611, 15614), (614, 15620), (648, 15680), (653, 15692), (666, 15728), (670, 15740), (700, 15815), (704, 15824), (713, 15842), (715, 15848), (730, 15878), (806, 15983), (812, 15995), (825, 16031), (847, 16109), (885, 16229), (896, 16262), (911, 16292), (919, 16322), (924, 16331), (928, 16337), (944, 16352), (945, 16355), (955, 16379), (968, 16409), (973, 16421), (980, 16451), (992, 16493),

Gene: Prithvi_23 Start: 17122, Stop: 18888, Start Num: 178
Candidate Starts for Prithvi_23:
(Start: 178 @17122 has 139 MA's), (198, 17152), (284, 17311), (295, 17344), (311, 17374), (329, 17407), (335, 17419), (371, 17509), (400, 17551), (431, 17614), (436, 17623), (441, 17632), (465, 17671), (484, 17716), (491, 17737), (492, 17740), (536, 17812), (551, 17854), (557, 17860), (567, 17887), (647, 18025), (656, 18043), (670, 18085), (676, 18103), (688, 18133), (702, 18160), (751, 18265), (821, 18424), (832, 18460), (841, 18490), (853, 18499), (879, 18574), (896, 18625), (983, 18820), (993, 18859), (994, 18862), (1004, 18880),

Gene: Priya_30 Start: 21780, Stop: 23570, Start Num: 156
Candidate Starts for Priya_30:
(Start: 153 @21777 has 9 MA's), (Start: 156 @21780 has 559 MA's), (323, 22014), (325, 22017), (366, 22089), (367, 22092), (376, 22107), (402, 22146), (406, 22152), (465, 22263), (508, 22350), (550, 22431), (556, 22434), (575, 22494), (635, 22620), (669, 22683), (675, 22707), (677, 22713), (689, 22746), (731, 22827), (775, 22953), (788, 22995), (790, 22998), (821, 23055), (831, 23088), (835, 23103), (866, 23202), (867, 23205), (869, 23217), (899, 23301), (925, 23367), (943, 23406), (945, 23412), (964, 23457), (983, 23514), (984, 23517),

Gene: ProMouse_26 Start: 21605, Stop: 23407, Start Num: 159
Candidate Starts for ProMouse_26:
(Start: 159 @21605 has 217 MA's), (Start: 176 @21626 has 45 MA's), (Start: 204 @21668 has 1 MA's), (237, 21713), (367, 21929), (395, 21974), (448, 22073), (449, 22076), (495, 22169), (556, 22271), (581, 22340), (670, 22529), (674, 22541), (675, 22544), (683, 22565), (730, 22661), (731, 22664), (733, 22670), (762, 22739), (767, 22757), (769, 22766), (777, 22796), (821, 22892), (831, 22925), (835, 22940), (879, 23081), (899, 23138), (945, 23249), (1000, 23402),

Gene: PsychoKiller_18 Start: 15729, Stop: 17429, Start Num: 141
Candidate Starts for PsychoKiller_18:
(Start: 141 @15729 has 37 MA's), (Start: 151 @15732 has 50 MA's), (287, 15942), (367, 16065), (400, 16116), (445, 16203), (449, 16212), (462, 16233), (473, 16248), (477, 16260), (525, 16338), (530, 16350), (541, 16377), (553, 16410), (567, 16443), (571, 16455), (590, 16497), (666, 16620), (691,

16692), (731, 16770), (736, 16785), (744, 16803), (767, 16860), (821, 16953), (832, 16989), (835, 17001), (837, 17007), (841, 17019), (853, 17028), (878, 17100), (879, 17103), (881, 17109), (885, 17121), (909, 17181), (925, 17226), (931, 17235), (945, 17268), (973, 17334),

Gene: Pukovnik_30 Start: 21690, Stop: 23462, Start Num: 156
Candidate Starts for Pukovnik_30:
(Start: 136 @21666 has 48 MA's), (Start: 156 @21690 has 559 MA's), (259, 21825), (269, 21843), (323, 21924), (325, 21927), (366, 21999), (367, 22002), (406, 22062), (465, 22173), (508, 22260), (550, 22341), (556, 22344), (603, 22470), (615, 22500), (723, 22722), (731, 22737), (775, 22863), (777, 22869), (808, 22917), (831, 22980), (835, 22995), (837, 23001), (842, 23019), (855, 23055), (866, 23094), (869, 23109), (899, 23193), (933, 23271), (943, 23298), (945, 23304), (964, 23349),

Gene: PullumCavea_31 Start: 25945, Stop: 27711, Start Num: 111
Candidate Starts for PullumCavea_31:
(93, 25903), (Start: 111 @25945 has 74 MA's), (Start: 131 @25981 has 1 MA's), (Start: 159 @26014 has 217 MA's), (287, 26224), (289, 26227), (323, 26257), (351, 26323), (367, 26347), (372, 26356), (393, 26389), (478, 26542), (495, 26581), (535, 26632), (539, 26644), (543, 26662), (548, 26674), (553, 26686), (562, 26701), (571, 26731), (572, 26734), (579, 26755), (636, 26827), (663, 26875), (699, 26986), (724, 27019), (740, 27058), (743, 27061), (769, 27133), (803, 27199), (809, 27211), (879, 27382), (880, 27385), (896, 27433), (909, 27460), (917, 27487), (943, 27541), (984, 27658), (990, 27679), (1000, 27706),

Gene: Pumbaa_27 Start: 19802, Stop: 21580, Start Num: 156
Candidate Starts for Pumbaa_27:
(Start: 136 @19778 has 48 MA's), (Start: 156 @19802 has 559 MA's), (Start: 194 @19844 has 44 MA's), (Start: 204 @19859 has 1 MA's), (241, 19913), (254, 19928), (Start: 260 @19946 has 1 MA's), (Start: 303 @20030 has 11 MA's), (323, 20042), (325, 20045), (367, 20120), (376, 20135), (402, 20174), (465, 20291), (508, 20378), (550, 20459), (572, 20507), (581, 20531), (615, 20618), (644, 20663), (675, 20735), (683, 20756), (689, 20774), (731, 20855), (767, 20948), (769, 20957), (775, 20981), (777, 20987), (784, 21011), (821, 21065), (828, 21086), (842, 21137), (850, 21161), (867, 21215), (899, 21311), (943, 21416), (948, 21431), (987, 21539), (992, 21557),

Gene: Pumpkin_26 Start: 19910, Stop: 21505, Start Num: 212
Candidate Starts for Pumpkin_26:
(Start: 147 @19826 has 120 MA's), (Start: 212 @19910 has 47 MA's), (Start: 260 @19988 has 1 MA's), (296, 20075), (301, 20090), (332, 20138), (349, 20177), (405, 20264), (420, 20297), (437, 20333), (454, 20363), (457, 20369), (538, 20438), (561, 20468), (565, 20480), (566, 20483), (591, 20540), (650, 20672), (651, 20678), (675, 20744), (677, 20750), (686, 20774), (704, 20822), (715, 20846), (721, 20855), (754, 20930), (810, 20981), (819, 20996), (867, 21158), (875, 21185), (885, 21215), (926, 21320), (971, 21398), (980, 21434), (983, 21443), (992, 21476), (998, 21491),

Gene: Puppers_18 Start: 15139, Stop: 16755, Start Num: 177
Candidate Starts for Puppers_18:
(Start: 177 @15139 has 11 MA's), (244, 15235), (317, 15403), (347, 15466), (418, 15589), (532, 15706), (584, 15784), (611, 15859), (624, 15892), (669, 15985), (674, 16006), (726, 16123), (746, 16165), (753, 16183), (761, 16195), (762, 16198), (834, 16303), (835, 16309), (840, 16324), (858, 16381), (948, 16600), (984, 16699),

Gene: Puppy_28 Start: 19523, Stop: 21319, Start Num: 156
Candidate Starts for Puppy_28:
(Start: 156 @19523 has 559 MA's), (Start: 204 @19580 has 1 MA's), (254, 19649), (Start: 303 @19751 has 11 MA's), (323, 19763), (325, 19766), (367, 19841), (376, 19856), (402, 19895), (475, 20030), (508, 20099), (567, 20213), (615, 20339), (683, 20477), (689, 20495), (731, 20576), (762, 20651),

(767, 20669), (769, 20678), (775, 20702), (777, 20708), (782, 20723), (800, 20756), (820, 20801), (821, 20804), (828, 20825), (831, 20837), (850, 20900), (899, 21050), (943, 21155), (945, 21161), (992, 21296),

Gene: Purgamenstris_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for Purgamenstris_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: Purky_18 Start: 15971, Stop: 17707, Start Num: 137
Candidate Starts for Purky_18:
(Start: 137 @15971 has 45 MA's), (201, 16055), (241, 16106), (243, 16109), (274, 16175), (282, 16196), (290, 16214), (300, 16247), (317, 16271), (373, 16379), (382, 16391), (405, 16430), (407, 16436), (420, 16466), (432, 16490), (464, 16547), (466, 16550), (538, 16607), (555, 16646), (558, 16652), (567, 16676), (591, 16730), (597, 16751), (621, 16811), (658, 16889), (682, 16961), (704, 17027), (715, 17051), (726, 17075), (740, 17105), (746, 17117), (822, 17219), (827, 17231), (865, 17357), (892, 17441), (896, 17453), (918, 17510), (998, 17696),

Gene: PurpleHaze_29 Start: 20459, Stop: 22255, Start Num: 156
Candidate Starts for PurpleHaze_29:
(Start: 156 @20459 has 559 MA's), (Start: 204 @20516 has 1 MA's), (215, 20531), (254, 20585), (259, 20600), (Start: 303 @20687 has 11 MA's), (323, 20699), (325, 20702), (367, 20777), (376, 20792), (508, 21035), (581, 21188), (615, 21275), (669, 21368), (674, 21389), (683, 21413), (687, 21425), (689, 21431), (731, 21512), (762, 21587), (767, 21605), (769, 21614), (775, 21638), (777, 21644), (782, 21659), (790, 21683), (820, 21737), (821, 21740), (828, 21761), (943, 22091), (945, 22097), (992, 22232),

Gene: Pygmy_18 Start: 16108, Stop: 17844, Start Num: 137
Candidate Starts for Pygmy_18:
(Start: 121 @16084 has 6 MA's), (Start: 137 @16108 has 45 MA's), (Start: 186 @16168 has 1 MA's), (198, 16189), (201, 16192), (274, 16312), (290, 16351), (300, 16384), (317, 16408), (382, 16528), (405, 16567), (407, 16573), (447, 16657), (450, 16663), (457, 16675), (473, 16699), (485, 16726), (538, 16744), (555, 16783), (558, 16789), (567, 16813), (591, 16867), (594, 16879), (597, 16888), (621, 16948), (658, 17026), (670, 17065), (682, 17098), (704, 17164), (711, 17179), (715, 17188), (726, 17212), (740, 17242), (746, 17254), (822, 17356), (827, 17368), (828, 17371), (830, 17377), (832, 17386), (865, 17494), (892, 17578), (937, 17677), (983, 17785), (998, 17833),

Gene: Pytheas_20 Start: 17676, Stop: 19382, Start Num: 157
Candidate Starts for Pytheas_20:
(Start: 137 @17652 has 45 MA's), (Start: 157 @17676 has 24 MA's), (238, 17781), (262, 17823), (302, 17898), (367, 18012), (445, 18159), (448, 18165), (546, 18348), (577, 18423), (730, 18705), (737, 18726), (767, 18801), (826, 18924), (835, 18957), (837, 18963), (868, 19029), (879, 19059), (943, 19215), (945, 19221), (951, 19239), (990, 19350),

Gene: QTRlifeCrisis_27 Start: 21720, Stop: 23522, Start Num: 159
Candidate Starts for QTRlifeCrisis_27:

(Start: 159 @21720 has 217 MA's), (Start: 176 @21741 has 45 MA's), (Start: 204 @21783 has 1 MA's), (237, 21828), (367, 22044), (395, 22089), (402, 22098), (421, 22137), (448, 22188), (449, 22191), (556, 22386), (581, 22455), (674, 22656), (675, 22659), (683, 22680), (730, 22776), (731, 22779), (733, 22785), (762, 22854), (767, 22872), (769, 22881), (777, 22911), (821, 23007), (831, 23040), (835, 23055), (879, 23196), (899, 23253), (945, 23364),

Gene: Qobbit_30 Start: 21776, Stop: 23569, Start Num: 153
Candidate Starts for Qobbit_30:
(Start: 153 @21776 has 9 MA's), (Start: 156 @21779 has 559 MA's), (323, 22013), (325, 22016), (366, 22088), (367, 22091), (376, 22106), (402, 22145), (406, 22151), (465, 22262), (508, 22349), (550, 22430), (556, 22433), (635, 22619), (669, 22682), (675, 22706), (677, 22712), (689, 22745), (731, 22826), (775, 22952), (788, 22994), (821, 23054), (831, 23087), (835, 23102), (866, 23201), (867, 23204), (869, 23216), (899, 23300), (925, 23366), (943, 23405), (945, 23411), (964, 23456), (983, 23513), (984, 23516),

Gene: Quallification_25 Start: 19952, Stop: 21631, Start Num: 147
Candidate Starts for Quallification_25:
(Start: 147 @19952 has 120 MA's), (Start: 212 @20036 has 47 MA's), (Start: 260 @20114 has 1 MA's), (296, 20201), (301, 20216), (332, 20264), (349, 20303), (405, 20390), (420, 20423), (437, 20459), (454, 20489), (457, 20495), (538, 20564), (561, 20594), (565, 20606), (566, 20609), (591, 20666), (650, 20798), (651, 20804), (675, 20870), (677, 20876), (686, 20900), (704, 20948), (715, 20972), (721, 20981), (754, 21056), (810, 21107), (819, 21122), (867, 21284), (875, 21311), (885, 21341), (926, 21446), (971, 21524), (980, 21560), (983, 21569), (992, 21602), (998, 21617),

Gene: Quasar_18 Start: 16341, Stop: 18038, Start Num: 151
Candidate Starts for Quasar_18:
(Start: 141 @16338 has 37 MA's), (Start: 151 @16341 has 50 MA's), (287, 16551), (367, 16674), (400, 16725), (445, 16812), (449, 16821), (462, 16842), (473, 16857), (477, 16869), (525, 16947), (530, 16959), (541, 16986), (553, 17019), (567, 17052), (571, 17064), (666, 17229), (691, 17301), (731, 17379), (736, 17394), (744, 17412), (767, 17469), (821, 17562), (832, 17598), (835, 17610), (837, 17616), (841, 17628), (853, 17637), (878, 17709), (879, 17712), (881, 17718), (885, 17730), (909, 17790), (925, 17835), (931, 17844), (945, 17877), (973, 17943),

Gene: Quby_18 Start: 16580, Stop: 18343, Start Num: 136
Candidate Starts for Quby_18:
(Start: 136 @16580 has 48 MA's), (246, 16721), (295, 16829), (296, 16832), (412, 17030), (414, 17033), (419, 17045), (430, 17066), (484, 17174), (501, 17204), (562, 17312), (572, 17345), (575, 17360), (588, 17381), (674, 17537), (695, 17600), (716, 17642), (724, 17651), (746, 17705), (764, 17741), (826, 17867), (835, 17900), (878, 18002), (881, 18011), (888, 18029), (896, 18056), (919, 18113), (943, 18152), (951, 18176), (963, 18212), (969, 18227), (977, 18257), (985, 18284), (989, 18296), (994, 18317),

Gene: QueenB2_28 Start: 20236, Stop: 22008, Start Num: 156
Candidate Starts for QueenB2_28:
(110, 20170), (Start: 136 @20212 has 48 MA's), (Start: 156 @20236 has 559 MA's), (323, 20470), (325, 20473), (366, 20545), (367, 20548), (402, 20602), (421, 20641), (445, 20686), (465, 20719), (508, 20806), (550, 20887), (556, 20890), (675, 21163), (731, 21283), (775, 21409), (808, 21463), (813, 21472), (821, 21493), (831, 21526), (835, 21541), (837, 21547), (855, 21601), (866, 21640), (869, 21655), (899, 21739), (945, 21850),

Gene: QueenBeesly_28 Start: 20118, Stop: 21890, Start Num: 156
Candidate Starts for QueenBeesly_28:

(110, 20052), (Start: 136 @20094 has 48 MA's), (Start: 156 @20118 has 559 MA's), (238, 20217), (281, 20301), (323, 20352), (325, 20355), (366, 20427), (367, 20430), (402, 20484), (421, 20523), (445, 20568), (465, 20601), (508, 20688), (550, 20769), (556, 20772), (675, 21045), (731, 21165), (775, 21291), (808, 21345), (831, 21408), (835, 21423), (837, 21429), (855, 21483), (866, 21522), (869, 21537), (875, 21552), (899, 21621), (945, 21732), (992, 21867),

Gene: QueenHazel_19 Start: 16491, Stop: 18224, Start Num: 152
Candidate Starts for QueenHazel_19:
(81, 16344), (90, 16371), (91, 16374), (94, 16383), (130, 16464), (Start: 152 @16491 has 6 MA's), (229, 16590), (236, 16599), (269, 16665), (278, 16689), (300, 16749), (301, 16752), (320, 16779), (419, 16959), (432, 16983), (437, 16995), (450, 17019), (558, 17145), (564, 17160), (567, 17169), (582, 17205), (591, 17223), (611, 17283), (693, 17475), (700, 17484), (715, 17517), (810, 17661), (827, 17706), (858, 17808), (860, 17817), (865, 17835), (866, 17838), (899, 17937), (919, 17997), (930, 18015), (944, 18051), (948, 18066), (971, 18114), (990, 18183),

Gene: QuickMath_17 Start: 16152, Stop: 17861, Start Num: 142
Candidate Starts for QuickMath_17:
(Start: 142 @16152 has 207 MA's), (215, 16239), (Start: 249 @16284 has 2 MA's), (258, 16308), (299, 16413), (301, 16419), (309, 16437), (332, 16467), (390, 16572), (394, 16578), (422, 16632), (425, 16641), (434, 16653), (437, 16662), (450, 16686), (539, 16773), (544, 16788), (558, 16812), (564, 16827), (566, 16833), (580, 16869), (582, 16872), (589, 16884), (591, 16890), (605, 16938), (611, 16950), (614, 16956), (648, 17016), (653, 17028), (666, 17064), (670, 17076), (677, 17097), (700, 17151), (704, 17160), (713, 17178), (715, 17184), (730, 17214), (806, 17319), (810, 17328), (812, 17331), (825, 17367), (844, 17433), (847, 17445), (878, 17544), (885, 17565), (896, 17598), (911, 17628), (919, 17658), (924, 17667), (928, 17673), (944, 17688), (945, 17691), (955, 17715), (968, 17745), (973, 17757), (980, 17787), (992, 17829),

Gene: Quico_17 Start: 14636, Stop: 16345, Start Num: 142
Candidate Starts for Quico_17:
(Start: 142 @14636 has 207 MA's), (215, 14723), (Start: 249 @14768 has 2 MA's), (258, 14792), (299, 14897), (301, 14903), (309, 14921), (332, 14951), (390, 15056), (422, 15116), (434, 15137), (437, 15146), (450, 15170), (558, 15296), (564, 15311), (566, 15317), (572, 15335), (573, 15338), (580, 15353), (582, 15356), (589, 15368), (591, 15374), (593, 15383), (605, 15422), (611, 15434), (614, 15440), (648, 15500), (666, 15548), (670, 15560), (700, 15635), (704, 15644), (713, 15662), (715, 15668), (730, 15698), (806, 15803), (812, 15815), (825, 15851), (847, 15929), (878, 16028), (885, 16049), (896, 16082), (911, 16112), (919, 16142), (924, 16151), (928, 16157), (944, 16172), (945, 16175), (953, 16196), (955, 16199), (973, 16241), (980, 16271), (992, 16313),

Gene: QuincyRose_22 Start: 17168, Stop: 18934, Start Num: 178
Candidate Starts for QuincyRose_22:
(Start: 178 @17168 has 139 MA's), (198, 17198), (284, 17357), (295, 17390), (311, 17420), (329, 17453), (335, 17465), (371, 17555), (400, 17597), (436, 17669), (441, 17678), (465, 17717), (484, 17762), (491, 17783), (492, 17786), (527, 17840), (536, 17858), (551, 17900), (557, 17906), (567, 17933), (647, 18071), (656, 18089), (670, 18131), (676, 18149), (688, 18179), (702, 18206), (751, 18311), (821, 18470), (832, 18506), (853, 18545), (879, 18620), (896, 18671), (983, 18866), (993, 18905), (994, 18908), (1004, 18926),

Gene: QuinnKiro_27 Start: 20455, Stop: 22254, Start Num: 156
Candidate Starts for QuinnKiro_27:
(Start: 156 @20455 has 559 MA's), (Start: 204 @20515 has 1 MA's), (254, 20584), (Start: 303 @20686 has 11 MA's), (323, 20698), (325, 20701), (367, 20776), (376, 20791), (402, 20830), (475, 20965), (508, 21034), (567, 21148), (615, 21274), (674, 21388), (683, 21412), (687, 21424), (689, 21430), (731, 21511), (762, 21586), (767, 21604), (769, 21613), (775, 21637), (777, 21643), (782, 21658),

(800, 21691), (820, 21736), (821, 21739), (828, 21760), (867, 21889), (899, 21985), (943, 22090), (945, 22096), (992, 22231),

Gene: Quokka_26 Start: 19074, Stop: 20864, Start Num: 156
Candidate Starts for Quokka_26:
(110, 19008), (Start: 136 @19050 has 48 MA's), (Start: 156 @19074 has 559 MA's), (Start: 260 @19212 has 1 MA's), (269, 19227), (323, 19308), (325, 19311), (366, 19383), (367, 19386), (402, 19440), (406, 19446), (414, 19464), (445, 19524), (465, 19557), (469, 19563), (484, 19602), (508, 19644), (550, 19725), (556, 19728), (575, 19788), (635, 19914), (674, 19998), (689, 20040), (712, 20091), (731, 20121), (775, 20247), (803, 20310), (831, 20382), (835, 20397), (842, 20421), (866, 20496), (869, 20511), (899, 20595), (943, 20700), (945, 20706), (951, 20724), (964, 20751), (968, 20760),

Gene: REQ2_20 Start: 19089, Stop: 20663, Start Num: 186
Candidate Starts for REQ2_20:
(Start: 186 @19089 has 1 MA's), (247, 19173), (261, 19212), (322, 19347), (364, 19428), (403, 19491), (564, 19671), (565, 19674), (566, 19677), (591, 19737), (605, 19785), (633, 19848), (648, 19866), (653, 19878), (663, 19902), (670, 19926), (674, 19938), (688, 19974), (746, 20073), (761, 20103), (762, 20106), (822, 20175), (830, 20196), (842, 20241), (847, 20259), (858, 20289), (873, 20340), (892, 20397), (911, 20439), (986, 20616),

Gene: REQ3_50 Start: 32274, Stop: 33917, Start Num: 167
Candidate Starts for REQ3_50:
(Start: 153 @32259 has 9 MA's), (Start: 167 @32274 has 22 MA's), (174, 32283), (285, 32466), (289, 32475), (342, 32538), (346, 32550), (367, 32583), (395, 32625), (400, 32631), (430, 32691), (445, 32718), (448, 32724), (475, 32769), (488, 32805), (506, 32835), (525, 32853), (545, 32904), (562, 32928), (575, 32976), (636, 33054), (695, 33195), (710, 33222), (724, 33243), (730, 33252), (767, 33348), (768, 33354), (777, 33387), (807, 33408), (858, 33522), (881, 33597), (986, 33873), (990, 33885), (994, 33903), (998, 33909),

Gene: RER2_16 Start: 13221, Stop: 14846, Start Num: 182
Candidate Starts for RER2_16:
(Start: 171 @13206 has 28 MA's), (Start: 182 @13221 has 32 MA's), (232, 13290), (256, 13326), (286, 13398), (367, 13512), (439, 13641), (465, 13683), (475, 13701), (478, 13710), (486, 13734), (495, 13752), (522, 13776), (525, 13782), (534, 13797), (535, 13800), (556, 13848), (669, 14049), (675, 14073), (730, 14187), (762, 14265), (772, 14304), (775, 14316), (808, 14346), (835, 14424), (894, 14571), (938, 14670), (943, 14685), (998, 14838),

Gene: RGL3_16 Start: 13452, Stop: 15005, Start Num: 232
Candidate Starts for RGL3_16:
(Start: 152 @13356 has 6 MA's), (Start: 171 @13368 has 28 MA's), (Start: 182 @13383 has 32 MA's), (232, 13452), (256, 13488), (272, 13521), (286, 13560), (342, 13629), (367, 13674), (376, 13689), (439, 13803), (445, 13812), (479, 13878), (486, 13896), (495, 13914), (525, 13944), (534, 13959), (535, 13962), (546, 14001), (556, 14010), (567, 14040), (644, 14160), (675, 14232), (689, 14271), (712, 14319), (730, 14346), (772, 14463), (775, 14475), (808, 14505), (835, 14583), (894, 14730), (919, 14796), (938, 14829), (943, 14844), (998, 14997),

Gene: Rabbitrun_30 Start: 23608, Stop: 25353, Start Num: 167
Candidate Starts for Rabbitrun_30:
(108, 23530), (Start: 149 @23593 has 1 MA's), (Start: 167 @23608 has 22 MA's), (Start: 194 @23638 has 44 MA's), (223, 23680), (296, 23824), (300, 23836), (323, 23860), (342, 23899), (343, 23902), (350, 23920), (402, 24016), (412, 24037), (430, 24073), (445, 24103), (465, 24136), (478, 24163), (508, 24223), (546, 24292), (552, 24301), (562, 24316), (571, 24346), (635, 24454), (669, 24526),

(670, 24535), (731, 24673), (732, 24676), (746, 24715), (762, 24748), (771, 24781), (773, 24790), (777, 24802), (808, 24832), (824, 24871), (826, 24877), (829, 24886), (878, 25012), (899, 25072), (914, 25108), (919, 25123), (943, 25159), (945, 25165), (948, 25174), (964, 25228), (977, 25270), (985, 25297), (990, 25312), (994, 25330), (1002, 25342),

Gene: Rabbs_18 Start: 16648, Stop: 18411, Start Num: 171
Candidate Starts for Rabbs_18:
(Start: 171 @16648 has 28 MA's), (Start: 194 @16657 has 44 MA's), (Start: 196 @16663 has 2 MA's), (201, 16669), (256, 16747), (277, 16801), (295, 16852), (311, 16882), (325, 16906), (367, 17008), (391, 17047), (395, 17053), (406, 17068), (488, 17233), (513, 17290), (536, 17329), (551, 17371), (557, 17377), (571, 17416), (628, 17515), (647, 17542), (743, 17770), (751, 17788), (762, 17815), (785, 17899), (805, 17917), (818, 17932), (835, 17995), (867, 18058), (874, 18082), (885, 18115), (899, 18154), (915, 18196), (983, 18343), (1004, 18403),

Gene: Rachaly_31 Start: 21834, Stop: 23606, Start Num: 156
Candidate Starts for Rachaly_31:
(Start: 136 @21810 has 48 MA's), (Start: 156 @21834 has 559 MA's), (281, 22017), (323, 22068), (325, 22071), (366, 22143), (367, 22146), (402, 22200), (421, 22239), (465, 22317), (508, 22404), (550, 22485), (556, 22488), (571, 22530), (635, 22674), (669, 22737), (675, 22761), (689, 22800), (731, 22881), (777, 23013), (831, 23124), (835, 23139), (837, 23145), (845, 23175), (855, 23199), (866, 23238), (869, 23253), (881, 23286), (899, 23337), (933, 23415), (943, 23442), (945, 23448), (968, 23502),

Gene: Radiance_16 Start: 14789, Stop: 16498, Start Num: 142
Candidate Starts for Radiance_16:
(Start: 142 @14789 has 207 MA's), (215, 14876), (Start: 249 @14921 has 2 MA's), (258, 14945), (282, 15002), (299, 15050), (301, 15056), (309, 15074), (332, 15104), (390, 15209), (422, 15269), (425, 15278), (437, 15299), (450, 15323), (473, 15359), (475, 15365), (535, 15398), (536, 15401), (539, 15410), (544, 15425), (546, 15431), (558, 15449), (564, 15464), (566, 15470), (572, 15488), (573, 15491), (580, 15506), (582, 15509), (589, 15521), (591, 15527), (605, 15575), (611, 15587), (614, 15593), (648, 15653), (653, 15665), (666, 15701), (670, 15713), (700, 15788), (704, 15797), (713, 15815), (715, 15821), (730, 15851), (806, 15956), (810, 15965), (812, 15968), (825, 16004), (847, 16082), (878, 16181), (885, 16202), (896, 16235), (911, 16265), (919, 16295), (924, 16304), (928, 16310), (944, 16325), (945, 16328), (955, 16352), (968, 16382), (973, 16394), (980, 16424), (992, 16466),

Gene: Raela_50 Start: 27273, Stop: 28985, Start Num: 175
Candidate Starts for Raela_50:
(122, 27210), (Start: 175 @27273 has 56 MA's), (Start: 233 @27354 has 1 MA's), (266, 27411), (296, 27492), (298, 27498), (339, 27555), (342, 27567), (346, 27579), (367, 27618), (376, 27633), (417, 27702), (445, 27756), (449, 27765), (539, 27921), (562, 27969), (567, 27987), (581, 28026), (590, 28041), (636, 28104), (644, 28116), (689, 28233), (690, 28236), (712, 28287), (729, 28314), (731, 28317), (738, 28338), (758, 28380), (820, 28500), (826, 28518), (881, 28662), (896, 28707), (905, 28725), (942, 28809), (951, 28836), (961, 28857), (977, 28902), (979, 28908), (983, 28920), (986, 28932), (990, 28944), (998, 28968), (1002, 28974),

Gene: Rahalelujah_27 Start: 19606, Stop: 21396, Start Num: 156
Candidate Starts for Rahalelujah_27:
(110, 19540), (Start: 141 @19591 has 37 MA's), (Start: 156 @19606 has 559 MA's), (237, 19702), (238, 19705), (287, 19807), (323, 19840), (325, 19843), (366, 19915), (367, 19918), (402, 19972), (406, 19978), (448, 20062), (465, 20089), (469, 20095), (473, 20101), (508, 20176), (550, 20257), (556, 20260), (575, 20320), (635, 20446), (669, 20509), (675, 20533), (687, 20566), (689, 20572), (731, 20653), (790, 20824), (821, 20881), (831, 20914), (835, 20929), (842, 20953), (855, 20989),

(866, 21028), (869, 21043), (899, 21127), (925, 21193), (943, 21232), (945, 21238), (964, 21283),

Gene: Raid_28 Start: 21169, Stop: 22971, Start Num: 159
Candidate Starts for Raid_28:
(Start: 159 @21169 has 217 MA's), (Start: 176 @21190 has 45 MA's), (Start: 204 @21232 has 1 MA's), (237, 21277), (367, 21493), (395, 21538), (402, 21547), (421, 21586), (448, 21637), (449, 21640), (556, 21835), (581, 21904), (674, 22105), (675, 22108), (683, 22129), (730, 22225), (731, 22228), (733, 22234), (762, 22303), (767, 22321), (769, 22330), (777, 22360), (821, 22456), (831, 22489), (835, 22504), (879, 22645), (899, 22702), (945, 22813),

Gene: Rajelicia_27 Start: 20881, Stop: 22683, Start Num: 159
Candidate Starts for Rajelicia_27:
(Start: 159 @20881 has 217 MA's), (Start: 176 @20902 has 45 MA's), (Start: 204 @20944 has 1 MA's), (237, 20989), (367, 21205), (395, 21250), (402, 21259), (448, 21349), (449, 21352), (495, 21445), (556, 21547), (581, 21616), (670, 21805), (674, 21817), (675, 21820), (683, 21841), (730, 21937), (731, 21940), (733, 21946), (762, 22015), (767, 22033), (769, 22042), (777, 22072), (821, 22168), (831, 22201), (835, 22216), (879, 22357), (899, 22414), (945, 22525),

Gene: Rakim_25 Start: 19943, Stop: 21538, Start Num: 212
Candidate Starts for Rakim_25:
(Start: 147 @19859 has 120 MA's), (Start: 212 @19943 has 47 MA's), (Start: 260 @20021 has 1 MA's), (296, 20108), (301, 20123), (332, 20171), (349, 20210), (405, 20297), (420, 20330), (437, 20366), (454, 20396), (457, 20402), (538, 20471), (561, 20501), (565, 20513), (566, 20516), (591, 20573), (650, 20705), (651, 20711), (675, 20777), (677, 20783), (686, 20807), (704, 20855), (715, 20879), (721, 20888), (754, 20963), (810, 21014), (819, 21029), (867, 21191), (875, 21218), (885, 21248), (926, 21353), (971, 21431), (980, 21467), (983, 21476), (992, 21509), (998, 21524),

Gene: Ramen_23 Start: 17154, Stop: 18920, Start Num: 178
Candidate Starts for Ramen_23:
(Start: 178 @17154 has 139 MA's), (198, 17184), (284, 17343), (295, 17376), (311, 17406), (329, 17439), (335, 17451), (371, 17541), (400, 17583), (436, 17655), (441, 17664), (465, 17703), (484, 17748), (491, 17769), (492, 17772), (527, 17826), (536, 17844), (551, 17886), (557, 17892), (567, 17919), (647, 18057), (656, 18075), (670, 18117), (676, 18135), (688, 18165), (702, 18192), (751, 18297), (821, 18456), (832, 18492), (841, 18522), (853, 18531), (879, 18606), (896, 18657), (983, 18852), (993, 18891), (994, 18894), (1004, 18912),

Gene: Ramsey_17 Start: 14835, Stop: 16544, Start Num: 142
Candidate Starts for Ramsey_17:
(Start: 142 @14835 has 207 MA's), (215, 14922), (Start: 249 @14967 has 2 MA's), (258, 14991), (299, 15096), (301, 15102), (309, 15120), (332, 15150), (390, 15255), (422, 15315), (434, 15336), (437, 15345), (450, 15369), (535, 15444), (558, 15495), (564, 15510), (566, 15516), (580, 15552), (582, 15555), (589, 15567), (591, 15573), (605, 15621), (611, 15633), (614, 15639), (648, 15699), (653, 15711), (666, 15747), (670, 15759), (700, 15834), (704, 15843), (713, 15861), (715, 15867), (730, 15897), (806, 16002), (812, 16014), (825, 16050), (847, 16128), (878, 16227), (885, 16248), (896, 16281), (911, 16311), (919, 16341), (922, 16347), (924, 16350), (928, 16356), (944, 16371), (945, 16374), (953, 16395), (955, 16398), (973, 16440), (992, 16512), (993, 16518),

Gene: RanchParmCat_21 Start: 15469, Stop: 17157, Start Num: 151
Candidate Starts for RanchParmCat_21:
(57, 15154), (122, 15439), (Start: 141 @15466 has 37 MA's), (Start: 151 @15469 has 50 MA's), (223, 15553), (287, 15676), (323, 15709), (342, 15754), (430, 15910), (445, 15937), (462, 15967), (495, 16039), (525, 16069), (530, 16081), (541, 16108), (567, 16174), (598, 16255), (637, 16297), (644, 16306), (654, 16324), (672, 16369), (702, 16453), (727, 16489), (730, 16492), (731, 16495), (733,

16501), (736, 16510), (744, 16528), (767, 16585), (832, 16714), (835, 16726), (840, 16741), (853, 16753), (878, 16825), (879, 16828), (880, 16831), (885, 16846), (914, 16927), (945, 16996), (948, 17005), (992, 17134), (998, 17149),

Gene: Rapunzel97_23 Start: 17155, Stop: 18921, Start Num: 178
Candidate Starts for Rapunzel97_23:
(Start: 178 @17155 has 139 MA's), (198, 17185), (284, 17344), (295, 17377), (311, 17407), (329, 17440), (335, 17452), (371, 17542), (400, 17584), (436, 17656), (441, 17665), (465, 17704), (484, 17749), (491, 17770), (492, 17773), (527, 17827), (536, 17845), (551, 17887), (557, 17893), (567, 17920), (647, 18058), (656, 18076), (670, 18118), (676, 18136), (688, 18166), (702, 18193), (751, 18298), (821, 18457), (832, 18493), (841, 18523), (853, 18532), (879, 18607), (896, 18658), (948, 18757), (983, 18853), (993, 18892), (994, 18895), (1004, 18913),

Gene: Rasputin_23 Start: 16317, Stop: 17942, Start Num: 182
Candidate Starts for Rasputin_23:
(Start: 171 @16302 has 28 MA's), (Start: 182 @16317 has 32 MA's), (232, 16386), (256, 16422), (367, 16608), (439, 16737), (465, 16779), (478, 16806), (486, 16830), (495, 16848), (525, 16878), (534, 16893), (556, 16944), (590, 17028), (669, 17145), (675, 17169), (730, 17283), (748, 17331), (762, 17361), (772, 17400), (775, 17412), (808, 17442), (835, 17520), (894, 17667), (904, 17691), (917, 17727), (938, 17766), (998, 17934),

Gene: RavenCo17_17 Start: 15550, Stop: 17259, Start Num: 216
Candidate Starts for RavenCo17_17:
(100, 15379), (115, 15415), (Start: 216 @15550 has 31 MA's), (278, 15667), (347, 15817), (406, 15913), (417, 15940), (469, 16030), (471, 16033), (476, 16045), (547, 16219), (598, 16336), (613, 16360), (663, 16408), (704, 16525), (731, 16582), (746, 16621), (768, 16678), (831, 16807), (931, 17062), (933, 17065), (951, 17113), (965, 17143),

Gene: RayTheFireFly_19 Start: 17529, Stop: 19223, Start Num: 167
Candidate Starts for RayTheFireFly_19:
(Start: 131 @17499 has 1 MA's), (Start: 167 @17529 has 22 MA's), (238, 17631), (266, 17682), (289, 17739), (333, 17790), (372, 17868), (377, 17874), (462, 18024), (535, 18147), (557, 18207), (570, 18243), (588, 18285), (619, 18327), (636, 18351), (654, 18381), (767, 18642), (801, 18717), (824, 18759), (837, 18804), (879, 18900), (880, 18903), (885, 18918), (949, 19077), (951, 19083), (984, 19170), (998, 19215),

Gene: Raymond7_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for Raymond7_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592), (973, 16598),

Gene: ReMo_30 Start: 19093, Stop: 20880, Start Num: 156
Candidate Starts for ReMo_30:
(110, 19027), (Start: 136 @19069 has 48 MA's), (Start: 156 @19093 has 559 MA's), (Start: 260 @19231 has 1 MA's), (285, 19288), (325, 19330), (344, 19366), (367, 19405), (409, 19474), (421, 19498), (449, 19552), (536, 19702), (556, 19747), (567, 19777), (579, 19813), (600, 19864), (613, 19900), (644, 19948), (671, 20008), (730, 20137), (762, 20215), (835, 20416), (837, 20422), (867,

20518), (929, 20683), (971, 20782),

Gene: Rearden_31 Start: 23859, Stop: 25592, Start Num: 141
Candidate Starts for Rearden_31:
(Start: 141 @23859 has 37 MA's), (Start: 212 @23949 has 47 MA's), (215, 23952), (272, 24054), (296, 24120), (317, 24156), (334, 24186), (340, 24201), (384, 24282), (385, 24285), (407, 24321), (420, 24348), (438, 24387), (457, 24420), (464, 24429), (536, 24486), (552, 24528), (586, 24603), (591, 24615), (611, 24675), (630, 24729), (650, 24759), (658, 24777), (662, 24786), (671, 24819), (675, 24831), (677, 24837), (691, 24876), (715, 24933), (819, 25083), (822, 25101), (835, 25143), (842, 25167), (843, 25170), (847, 25185), (858, 25215), (867, 25245), (885, 25302), (958, 25452), (998, 25578),

Gene: Reba_30 Start: 20125, Stop: 21921, Start Num: 156
Candidate Starts for Reba_30:
(Start: 156 @20125 has 559 MA's), (Start: 204 @20182 has 1 MA's), (215, 20197), (254, 20251), (259, 20266), (Start: 303 @20353 has 11 MA's), (323, 20365), (325, 20368), (367, 20443), (376, 20458), (508, 20701), (581, 20854), (615, 20941), (669, 21034), (674, 21055), (683, 21079), (687, 21091), (689, 21097), (731, 21178), (762, 21253), (767, 21271), (769, 21280), (775, 21304), (777, 21310), (790, 21349), (820, 21403), (821, 21406), (828, 21427), (899, 21652), (943, 21757), (945, 21763), (992, 21898),

Gene: Rebel_18 Start: 14990, Stop: 16699, Start Num: 147
Candidate Starts for Rebel_18:
(Start: 147 @14990 has 120 MA's), (Start: 171 @15017 has 28 MA's), (198, 15056), (Start: 249 @15122 has 2 MA's), (252, 15134), (269, 15170), (278, 15194), (290, 15221), (296, 15242), (299, 15251), (301, 15257), (324, 15290), (419, 15464), (422, 15470), (425, 15479), (432, 15488), (437, 15500), (450, 15524), (475, 15566), (535, 15599), (558, 15650), (559, 15653), (564, 15665), (580, 15707), (589, 15722), (591, 15728), (605, 15776), (625, 15830), (648, 15854), (674, 15926), (693, 15980), (700, 15989), (704, 15998), (715, 16022), (727, 16049), (730, 16052), (806, 16157), (810, 16166), (825, 16205), (848, 16286), (866, 16343), (878, 16382), (919, 16496), (944, 16526), (945, 16529), (955, 16553), (971, 16589),

Gene: Rebeuca_28 Start: 19987, Stop: 21765, Start Num: 156
Candidate Starts for Rebeuca_28:
(Start: 156 @19987 has 559 MA's), (Start: 204 @20044 has 1 MA's), (215, 20059), (238, 20092), (254, 20113), (Start: 303 @20215 has 11 MA's), (323, 20227), (325, 20230), (367, 20305), (376, 20320), (402, 20359), (465, 20476), (473, 20488), (475, 20494), (508, 20563), (540, 20617), (546, 20638), (567, 20677), (581, 20716), (615, 20803), (644, 20848), (669, 20896), (674, 20917), (683, 20941), (687, 20953), (689, 20959), (731, 21040), (767, 21133), (769, 21142), (775, 21166), (777, 21172), (782, 21187), (808, 21220), (828, 21271), (833, 21289), (879, 21439), (899, 21496), (911, 21520), (912, 21526), (943, 21601), (945, 21607), (948, 21616), (971, 21667), (992, 21742),

Gene: Red305_19 Start: 17373, Stop: 19136, Start Num: 136
Candidate Starts for Red305_19:
(Start: 136 @17373 has 48 MA's), (Start: 161 @17400 has 14 MA's), (207, 17463), (241, 17511), (246, 17517), (269, 17553), (296, 17628), (Start: 303 @17652 has 11 MA's), (318, 17658), (346, 17715), (414, 17829), (419, 17841), (478, 17952), (556, 18096), (562, 18108), (572, 18141), (674, 18330), (676, 18336), (695, 18393), (716, 18435), (724, 18444), (731, 18456), (762, 18531), (782, 18600), (785, 18612), (826, 18660), (858, 18726), (881, 18804), (896, 18849), (919, 18906), (951, 18969), (963, 19005), (969, 19020), (977, 19050), (979, 19056), (983, 19068), (985, 19077), (989, 19089),

Gene: RedBaron_19 Start: 15773, Stop: 17473, Start Num: 141
Candidate Starts for RedBaron_19:

(122, 15746), (Start: 141 @15773 has 37 MA's), (Start: 151 @15776 has 50 MA's), (287, 15986), (367, 16109), (400, 16160), (445, 16247), (473, 16292), (477, 16304), (525, 16382), (530, 16394), (541, 16421), (553, 16454), (567, 16487), (571, 16499), (590, 16541), (666, 16664), (691, 16736), (731, 16814), (736, 16829), (744, 16847), (767, 16904), (821, 16997), (832, 17033), (835, 17045), (837, 17051), (841, 17063), (853, 17072), (878, 17144), (879, 17147), (881, 17153), (885, 17165), (909, 17225), (925, 17270), (931, 17279), (945, 17312), (973, 17378),

Gene: RedBird_16 Start: 14766, Stop: 16475, Start Num: 142
Candidate Starts for RedBird_16:
(Start: 142 @14766 has 207 MA's), (215, 14853), (Start: 249 @14898 has 2 MA's), (258, 14922), (299, 15027), (301, 15033), (309, 15051), (332, 15081), (390, 15186), (422, 15246), (434, 15267), (437, 15276), (450, 15300), (558, 15426), (564, 15441), (566, 15447), (580, 15483), (582, 15486), (589, 15498), (591, 15504), (605, 15552), (611, 15564), (614, 15570), (648, 15630), (653, 15642), (666, 15678), (670, 15690), (700, 15765), (704, 15774), (713, 15792), (715, 15798), (730, 15828), (806, 15933), (810, 15942), (812, 15945), (825, 15981), (847, 16059), (878, 16158), (885, 16179), (896, 16212), (911, 16242), (919, 16272), (924, 16281), (928, 16287), (944, 16302), (945, 16305), (955, 16329), (973, 16371), (980, 16401), (992, 16443),

Gene: RedRaider77_50 Start: 27174, Stop: 28886, Start Num: 175
Candidate Starts for RedRaider77_50:
(122, 27111), (Start: 175 @27174 has 56 MA's), (Start: 233 @27255 has 1 MA's), (266, 27312), (296, 27393), (298, 27399), (339, 27456), (342, 27468), (346, 27480), (367, 27519), (376, 27534), (417, 27603), (445, 27657), (449, 27666), (539, 27822), (562, 27870), (564, 27879), (567, 27888), (581, 27927), (590, 27942), (636, 28005), (644, 28017), (689, 28134), (690, 28137), (712, 28188), (729, 28215), (731, 28218), (738, 28239), (758, 28281), (820, 28401), (826, 28419), (881, 28563), (896, 28608), (905, 28626), (942, 28710), (945, 28719), (951, 28737), (961, 28758), (977, 28803), (979, 28809), (983, 28821), (986, 28833), (992, 28854), (998, 28869), (1002, 28875),

Gene: RedRaider_48 Start: 32716, Stop: 34338, Start Num: 202
Candidate Starts for RedRaider_48:
(Start: 202 @32716 has 36 MA's), (277, 32833), (307, 32911), (406, 33073), (410, 33085), (417, 33100), (458, 33166), (469, 33181), (519, 33292), (535, 33322), (536, 33325), (562, 33382), (590, 33454), (663, 33559), (704, 33646), (728, 33694), (773, 33820), (774, 33823), (785, 33856), (833, 33913), (885, 34042), (899, 34081), (952, 34186), (976, 34249), (980, 34261), (984, 34273), (998, 34318),

Gene: RedRock_31 Start: 22100, Stop: 23872, Start Num: 156
Candidate Starts for RedRock_31:
(Start: 136 @22076 has 48 MA's), (Start: 156 @22100 has 559 MA's), (281, 22283), (325, 22337), (366, 22409), (367, 22412), (402, 22466), (406, 22472), (421, 22505), (465, 22583), (469, 22589), (475, 22601), (508, 22670), (546, 22745), (550, 22751), (556, 22754), (571, 22796), (636, 22943), (674, 23024), (675, 23027), (689, 23066), (723, 23132), (731, 23147), (777, 23279), (808, 23327), (828, 23378), (831, 23390), (835, 23405), (837, 23411), (855, 23465), (869, 23519), (899, 23603), (925, 23669), (943, 23708), (945, 23714),

Gene: Redi_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for Redi_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810,

16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: Redno2_35 Start: 27084, Stop: 29082, Start Num: 141
Candidate Starts for Redno2_35:
(Start: 141 @27084 has 37 MA's), (Start: 212 @27174 has 47 MA's), (245, 27222), (258, 27252), (317, 27381), (334, 27411), (385, 27510), (407, 27546), (420, 27573), (457, 27645), (464, 27654), (475, 27675), (546, 27744), (566, 27783), (567, 27786), (572, 27801), (591, 27840), (605, 27888), (611, 27900), (614, 27906), (630, 27954), (635, 27963), (650, 27984), (658, 28002), (673, 28050), (713, 28152), (746, 28224), (766, 28269), (768, 28281), (795, 28416), (796, 28422), (797, 28446), (798, 28518), (804, 28545), (886, 28794),

Gene: Refuge_31 Start: 23112, Stop: 24884, Start Num: 156
Candidate Starts for Refuge_31:
(110, 23046), (Start: 136 @23088 has 48 MA's), (Start: 141 @23097 has 37 MA's), (Start: 156 @23112 has 559 MA's), (269, 23265), (323, 23346), (325, 23349), (366, 23421), (367, 23424), (402, 23478), (406, 23484), (465, 23595), (508, 23682), (550, 23763), (556, 23766), (689, 24078), (731, 24159), (736, 24174), (824, 24378), (831, 24402), (835, 24417), (837, 24423), (842, 24441), (844, 24447), (866, 24516), (869, 24531), (881, 24564), (899, 24615), (992, 24861),

Gene: Reindeer_26 Start: 22192, Stop: 23928, Start Num: 163
Candidate Starts for Reindeer_26:
(Start: 163 @22192 has 1 MA's), (Start: 176 @22207 has 45 MA's), (223, 22276), (237, 22294), (265, 22333), (291, 22399), (295, 22414), (323, 22453), (346, 22504), (359, 22525), (389, 22576), (395, 22585), (419, 22630), (435, 22663), (445, 22681), (471, 22723), (473, 22726), (534, 22837), (562, 22903), (610, 23014), (636, 23041), (658, 23083), (669, 23113), (670, 23122), (671, 23125), (674, 23134), (675, 23137), (691, 23182), (724, 23248), (730, 23257), (731, 23260), (746, 23302), (761, 23332), (764, 23338), (782, 23404), (824, 23458), (826, 23464), (858, 23530), (969, 23818), (977, 23845), (983, 23863), (985, 23872), (989, 23884), (998, 23911),

Gene: Relief_27 Start: 19825, Stop: 21603, Start Num: 156
Candidate Starts for Relief_27:
(Start: 136 @19801 has 48 MA's), (Start: 156 @19825 has 559 MA's), (Start: 204 @19882 has 1 MA's), (241, 19936), (254, 19951), (Start: 260 @19969 has 1 MA's), (Start: 303 @20053 has 11 MA's), (323, 20065), (325, 20068), (367, 20143), (376, 20158), (402, 20197), (465, 20314), (508, 20401), (550, 20482), (572, 20530), (581, 20554), (615, 20641), (644, 20686), (675, 20758), (683, 20779), (689, 20797), (731, 20878), (767, 20971), (769, 20980), (775, 21004), (777, 21010), (784, 21034), (821, 21088), (828, 21109), (842, 21160), (850, 21184), (867, 21238), (899, 21334), (943, 21439), (948, 21454), (987, 21562), (992, 21580),

Gene: Rem711_25 Start: 19029, Stop: 20768, Start Num: 176
Candidate Starts for Rem711_25:
(Start: 176 @19029 has 45 MA's), (243, 19101), (293, 19221), (369, 19401), (408, 19464), (433, 19515), (445, 19536), (473, 19581), (536, 19698), (537, 19701), (571, 19785), (572, 19788), (576, 19803), (587, 19821), (769, 20205), (770, 20211), (838, 20364), (889, 20484), (894, 20502), (971, 20655), (993, 20739), (994, 20742), (1004, 20760),

Gene: Remus_30 Start: 19057, Stop: 20844, Start Num: 156
Candidate Starts for Remus_30:
(110, 18991), (Start: 136 @19033 has 48 MA's), (Start: 156 @19057 has 559 MA's), (Start: 260 @19195 has 1 MA's), (285, 19252), (325, 19294), (344, 19330), (367, 19369), (409, 19438), (421, 19462), (449, 19516), (536, 19666), (556, 19711), (567, 19741), (579, 19777), (600, 19828), (613, 19864), (644, 19912), (671, 19972), (730, 20101), (762, 20179), (835, 20380), (837, 20386), (867,

20482), (929, 20647), (971, 20746),

Gene: Remy19_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Remy19_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Renaissance_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Renaissance_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Reptar3000_24 Start: 18363, Stop: 20150, Start Num: 176
Candidate Starts for Reptar3000_24:
(Start: 146 @18327 has 1 MA's), (Start: 171 @18357 has 28 MA's), (Start: 176 @18363 has 45 MA's), (Start: 178 @18366 has 139 MA's), (256, 18468), (272, 18507), (277, 18522), (284, 18540), (295, 18573), (311, 18603), (335, 18648), (371, 18738), (376, 18744), (395, 18774), (430, 18840), (436, 18852), (498, 18987), (534, 19035), (536, 19041), (557, 19089), (571, 19128), (659, 19278), (671, 19317), (677, 19335), (687, 19362), (715, 19437), (751, 19518), (769, 19572), (782, 19617), (803, 19653), (808, 19662), (831, 19719), (841, 19752), (853, 19761), (875, 19824), (879, 19836), (896, 19887), (899, 19893), (948, 19986), (951, 19995), (993, 20121), (1004, 20142),

Gene: ResDef_28 Start: 20455, Stop: 22254, Start Num: 156
Candidate Starts for ResDef_28:
(Start: 156 @20455 has 559 MA's), (Start: 204 @20515 has 1 MA's), (254, 20584), (Start: 303 @20686 has 11 MA's), (323, 20698), (325, 20701), (367, 20776), (376, 20791), (402, 20830), (475, 20965), (508, 21034), (567, 21148), (615, 21274), (674, 21388), (683, 21412), (687, 21424), (689, 21430), (731, 21511), (762, 21586), (767, 21604), (769, 21613), (775, 21637), (777, 21643), (782, 21658), (800, 21691), (820, 21736), (821, 21739), (828, 21760), (867, 21889), (899, 21985), (943, 22090), (945, 22096), (992, 22231),

Gene: Retro23_28 Start: 20266, Stop: 22038, Start Num: 156
Candidate Starts for Retro23_28:
(Start: 136 @20242 has 48 MA's), (Start: 156 @20266 has 559 MA's), (323, 20500), (325, 20503), (366, 20575), (367, 20578), (402, 20632), (421, 20671), (445, 20716), (465, 20749), (508, 20836), (550, 20917), (556, 20920), (675, 21193), (731, 21313), (775, 21439), (808, 21493), (831, 21556), (835, 21571), (837, 21577), (855, 21631), (866, 21670), (869, 21685), (899, 21769), (945, 21880), (992, 22015),

Gene: RexFury_23 Start: 16380, Stop: 18005, Start Num: 182
Candidate Starts for RexFury_23:
(Start: 171 @16365 has 28 MA's), (Start: 182 @16380 has 32 MA's), (232, 16449), (256, 16485), (286, 16557), (367, 16671), (439, 16800), (465, 16842), (475, 16860), (478, 16869), (486, 16893), (495, 16911), (522, 16935), (525, 16941), (534, 16956), (535, 16959), (556, 17007), (669, 17208), (675, 17232), (730, 17346), (762, 17424), (772, 17463), (775, 17475), (808, 17505), (835, 17583), (894,

17730), (938, 17829), (943, 17844), (998, 17997),

Gene: Rey_32 Start: 23117, Stop: 24883, Start Num: 128
Candidate Starts for Rey_32:
(Start: 119 @23102 has 3 MA's), (Start: 128 @23117 has 2 MA's), (Start: 161 @23144 has 14 MA's), (Start: 219 @23222 has 2 MA's), (223, 23228), (Start: 227 @23234 has 45 MA's), (237, 23246), (295, 23369), (323, 23408), (327, 23417), (338, 23432), (382, 23519), (389, 23531), (395, 23540), (419, 23585), (445, 23636), (471, 23678), (473, 23681), (484, 23714), (508, 23756), (519, 23765), (552, 23843), (562, 23858), (567, 23876), (669, 24068), (670, 24077), (674, 24089), (676, 24095), (716, 24194), (724, 24203), (730, 24212), (741, 24242), (758, 24281), (808, 24374), (824, 24413), (826, 24419), (829, 24428), (967, 24767), (969, 24773), (977, 24800), (992, 24851),

Gene: Reyja_19 Start: 15160, Stop: 16776, Start Num: 177
Candidate Starts for Reyja_19:
(Start: 177 @15160 has 11 MA's), (247, 15259), (255, 15283), (300, 15394), (301, 15397), (306, 15415), (317, 15424), (348, 15490), (361, 15505), (364, 15514), (368, 15520), (409, 15592), (418, 15610), (446, 15664), (450, 15673), (532, 15727), (566, 15763), (567, 15766), (607, 15874), (642, 15946), (648, 15952), (651, 15961), (661, 15979), (691, 16069), (724, 16138), (746, 16183), (753, 16201), (761, 16213), (821, 16279), (835, 16327), (839, 16339), (842, 16351), (848, 16372), (854, 16384), (858, 16399), (867, 16429), (878, 16465), (964, 16654), (984, 16717), (990, 16738), (998, 16762),

Gene: Rhodalysa_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Rhodalysa_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: RhynO_28 Start: 19944, Stop: 21722, Start Num: 156
Candidate Starts for RhynO_28:
(Start: 156 @19944 has 559 MA's), (Start: 204 @20001 has 1 MA's), (215, 20016), (238, 20049), (254, 20070), (Start: 303 @20172 has 11 MA's), (323, 20184), (325, 20187), (367, 20262), (376, 20277), (402, 20316), (465, 20433), (475, 20451), (508, 20520), (540, 20574), (546, 20595), (567, 20634), (581, 20673), (615, 20760), (644, 20805), (669, 20853), (674, 20874), (683, 20898), (687, 20910), (689, 20916), (731, 20997), (767, 21090), (769, 21099), (775, 21123), (777, 21129), (782, 21144), (808, 21177), (828, 21228), (833, 21246), (845, 21291), (879, 21396), (899, 21453), (911, 21477), (912, 21483), (943, 21558), (945, 21564), (948, 21573), (971, 21624), (992, 21699),

Gene: Rhynn_27 Start: 21169, Stop: 22971, Start Num: 159
Candidate Starts for Rhynn_27:
(Start: 159 @21169 has 217 MA's), (Start: 176 @21190 has 45 MA's), (Start: 204 @21232 has 1 MA's), (237, 21277), (367, 21493), (395, 21538), (402, 21547), (421, 21586), (448, 21637), (449, 21640), (556, 21835), (581, 21904), (674, 22105), (675, 22108), (683, 22129), (730, 22225), (731, 22228), (733, 22234), (762, 22303), (767, 22321), (769, 22330), (777, 22360), (821, 22456), (831, 22489), (835, 22504), (879, 22645), (899, 22702), (945, 22813),

Gene: Rialto_18 Start: 15316, Stop: 17025, Start Num: 142
Candidate Starts for Rialto_18:
(Start: 142 @15316 has 207 MA's), (215, 15403), (232, 15424), (Start: 249 @15448 has 2 MA's), (258, 15472), (266, 15493), (299, 15577), (301, 15583), (309, 15601), (332, 15631), (390, 15736), (422, 15796), (434, 15817), (437, 15826), (450, 15850), (535, 15925), (536, 15928), (539, 15937), (544,

15952), (546, 15958), (558, 15976), (564, 15991), (566, 15997), (573, 16018), (580, 16033), (589, 16048), (591, 16054), (605, 16102), (611, 16114), (614, 16120), (648, 16180), (653, 16192), (666, 16228), (670, 16240), (700, 16315), (704, 16324), (713, 16342), (715, 16348), (730, 16378), (806, 16483), (812, 16495), (825, 16531), (847, 16609), (885, 16729), (896, 16762), (911, 16792), (913, 16804), (919, 16822), (922, 16828), (924, 16831), (928, 16837), (944, 16852), (945, 16855), (953, 16876), (955, 16879), (973, 16921), (980, 16951), (992, 16993), (993, 16999),

Gene: Ribeye_35 Start: 30796, Stop: 32559, Start Num: 111
Candidate Starts for Ribeye_35:
(Start: 111 @30796 has 74 MA's), (Start: 131 @30832 has 1 MA's), (232, 30961), (238, 30970), (285, 31066), (289, 31075), (340, 31144), (367, 31195), (395, 31240), (406, 31255), (414, 31273), (448, 31336), (475, 31381), (478, 31390), (543, 31510), (550, 31525), (562, 31549), (571, 31579), (689, 31801), (695, 31819), (699, 31834), (730, 31876), (740, 31906), (785, 32026), (833, 32119), (879, 32230), (880, 32233), (896, 32281), (909, 32308), (917, 32335), (943, 32389),

Gene: Richo_23 Start: 16514, Stop: 18280, Start Num: 178
Candidate Starts for Richo_23:
(Start: 171 @16505 has 28 MA's), (Start: 178 @16514 has 139 MA's), (Start: 181 @16520 has 15 MA's), (198, 16544), (228, 16583), (272, 16670), (277, 16685), (284, 16703), (295, 16736), (371, 16901), (395, 16937), (436, 17015), (441, 17024), (491, 17129), (492, 17132), (512, 17171), (534, 17198), (536, 17204), (551, 17246), (557, 17252), (567, 17279), (647, 17417), (656, 17435), (688, 17525), (702, 17552), (721, 17585), (751, 17657), (769, 17711), (779, 17747), (786, 17771), (821, 17816), (831, 17849), (835, 17864), (841, 17882), (853, 17891), (879, 17966), (896, 18017), (899, 18023), (951, 18125), (993, 18251), (994, 18254), (1004, 18272),

Gene: RidgeCB_27 Start: 20944, Stop: 22746, Start Num: 159
Candidate Starts for RidgeCB_27:
(Start: 159 @20944 has 217 MA's), (Start: 176 @20965 has 45 MA's), (Start: 204 @21007 has 1 MA's), (237, 21052), (367, 21268), (395, 21313), (402, 21322), (421, 21361), (448, 21412), (449, 21415), (556, 21610), (581, 21679), (674, 21880), (675, 21883), (683, 21904), (730, 22000), (731, 22003), (733, 22009), (762, 22078), (767, 22096), (769, 22105), (777, 22135), (821, 22231), (831, 22264), (835, 22279), (879, 22420), (899, 22477), (945, 22588), (1000, 22741),

Gene: Rifter_31 Start: 19962, Stop: 21734, Start Num: 156
Candidate Starts for Rifter_31:
(110, 19896), (Start: 136 @19938 has 48 MA's), (Start: 156 @19962 has 559 MA's), (325, 20199), (366, 20271), (367, 20274), (376, 20289), (402, 20328), (406, 20334), (465, 20445), (469, 20451), (484, 20490), (508, 20532), (536, 20571), (550, 20613), (556, 20616), (615, 20772), (684, 20913), (689, 20928), (777, 21141), (828, 21240), (835, 21267), (852, 21318), (855, 21327), (866, 21366), (869, 21381), (943, 21570), (945, 21576), (992, 21711),

Gene: Rimmer_23 Start: 19312, Stop: 20991, Start Num: 147
Candidate Starts for Rimmer_23:
(Start: 147 @19312 has 120 MA's), (Start: 212 @19396 has 47 MA's), (Start: 260 @19474 has 1 MA's), (296, 19561), (301, 19576), (332, 19624), (349, 19663), (405, 19750), (420, 19783), (437, 19819), (454, 19849), (457, 19855), (538, 19924), (561, 19954), (565, 19966), (566, 19969), (591, 20026), (650, 20158), (651, 20164), (675, 20230), (677, 20236), (686, 20260), (704, 20308), (715, 20332), (721, 20341), (754, 20416), (810, 20467), (819, 20482), (867, 20644), (875, 20671), (885, 20701), (926, 20806), (971, 20884), (980, 20920), (983, 20929), (992, 20962), (998, 20977),

Gene: Ringer_27 Start: 21821, Stop: 23623, Start Num: 159
Candidate Starts for Ringer_27:

(Start: 159 @21821 has 217 MA's), (Start: 176 @21842 has 45 MA's), (Start: 204 @21884 has 1 MA's), (237, 21929), (367, 22145), (395, 22190), (402, 22199), (421, 22238), (448, 22289), (449, 22292), (556, 22487), (581, 22556), (674, 22757), (675, 22760), (683, 22781), (730, 22877), (731, 22880), (733, 22886), (762, 22955), (767, 22973), (769, 22982), (777, 23012), (821, 23108), (831, 23141), (835, 23156), (879, 23297), (899, 23354), (945, 23465), (1000, 23618),

Gene: Rita_16 Start: 14819, Stop: 16528, Start Num: 142
Candidate Starts for Rita_16:
(Start: 142 @14819 has 207 MA's), (215, 14906), (Start: 249 @14951 has 2 MA's), (258, 14975), (299, 15080), (301, 15086), (309, 15104), (320, 15113), (332, 15134), (390, 15239), (422, 15299), (434, 15320), (437, 15329), (450, 15353), (558, 15479), (564, 15494), (566, 15500), (580, 15536), (582, 15539), (589, 15551), (591, 15557), (605, 15605), (611, 15617), (614, 15623), (648, 15683), (653, 15695), (666, 15731), (670, 15743), (700, 15818), (704, 15827), (713, 15845), (715, 15851), (730, 15881), (806, 15986), (810, 15995), (812, 15998), (825, 16034), (847, 16112), (878, 16211), (885, 16232), (896, 16265), (911, 16295), (919, 16325), (924, 16334), (928, 16340), (944, 16355), (945, 16358), (955, 16382), (968, 16412), (973, 16424), (980, 16454), (992, 16496),

Gene: RitaG_16 Start: 14948, Stop: 16657, Start Num: 142
Candidate Starts for RitaG_16:
(Start: 142 @14948 has 207 MA's), (215, 15035), (Start: 249 @15080 has 2 MA's), (258, 15104), (299, 15209), (301, 15215), (309, 15233), (332, 15263), (390, 15368), (419, 15422), (422, 15428), (434, 15449), (437, 15458), (450, 15482), (558, 15608), (564, 15623), (566, 15629), (580, 15665), (582, 15668), (589, 15680), (591, 15686), (605, 15734), (611, 15746), (614, 15752), (648, 15812), (653, 15824), (666, 15860), (670, 15872), (700, 15947), (704, 15956), (713, 15974), (715, 15980), (730, 16010), (806, 16115), (812, 16127), (825, 16163), (847, 16241), (885, 16361), (896, 16394), (911, 16424), (913, 16436), (919, 16454), (924, 16463), (928, 16469), (944, 16484), (945, 16487), (955, 16511), (973, 16553), (980, 16583), (992, 16625),

Gene: RiverMonster_24 Start: 19585, Stop: 21180, Start Num: 212
Candidate Starts for RiverMonster_24:
(Start: 147 @19501 has 120 MA's), (Start: 212 @19585 has 47 MA's), (Start: 260 @19663 has 1 MA's), (296, 19750), (301, 19765), (332, 19813), (349, 19852), (405, 19939), (420, 19972), (437, 20008), (454, 20038), (457, 20044), (538, 20113), (561, 20143), (565, 20155), (566, 20158), (591, 20215), (650, 20347), (651, 20353), (675, 20419), (677, 20425), (686, 20449), (704, 20497), (715, 20521), (721, 20530), (754, 20605), (810, 20656), (819, 20671), (867, 20833), (875, 20860), (885, 20890), (926, 20995), (971, 21073), (980, 21109), (983, 21118), (992, 21151), (998, 21166),

Gene: RiverRaider_35 Start: 29083, Stop: 30846, Start Num: 111
Candidate Starts for RiverRaider_35:
(104, 29065), (Start: 111 @29083 has 74 MA's), (Start: 131 @29119 has 1 MA's), (232, 29248), (238, 29257), (285, 29353), (289, 29362), (340, 29431), (342, 29437), (367, 29482), (372, 29491), (395, 29527), (448, 29623), (475, 29668), (478, 29677), (543, 29797), (550, 29812), (553, 29821), (562, 29836), (571, 29866), (666, 30022), (695, 30106), (699, 30121), (723, 30151), (724, 30154), (731, 30166), (825, 30379), (833, 30406), (879, 30517), (880, 30520), (909, 30595), (917, 30622), (943, 30676), (992, 30823),

Gene: RoadKill_30 Start: 27051, Stop: 28670, Start Num: 185
Candidate Starts for RoadKill_30:
(Start: 185 @27051 has 10 MA's), (201, 27072), (247, 27135), (296, 27258), (300, 27270), (332, 27327), (373, 27405), (387, 27432), (438, 27528), (567, 27642), (578, 27672), (598, 27720), (621, 27777), (648, 27825), (651, 27834), (670, 27885), (688, 27933), (761, 28098), (806, 28128), (842, 28236), (843, 28239), (858, 28284), (873, 28341), (875, 28347), (877, 28353), (893, 28401), (896, 28410), (899, 28416), (901, 28419), (919, 28470), (948, 28515), (974, 28584), (989, 28632), (992,

28644),

Gene: Roary_24 Start: 18619, Stop: 20409, Start Num: 156
Candidate Starts for Roary_24:
(Start: 136 @18595 has 48 MA's), (Start: 156 @18619 has 559 MA's), (235, 18712), (Start: 260 @18757 has 1 MA's), (325, 18856), (344, 18892), (367, 18931), (376, 18946), (400, 18982), (465, 19102), (469, 19108), (536, 19228), (590, 19357), (615, 19429), (674, 19543), (767, 19759), (775, 19792), (821, 19894), (831, 19927), (835, 19942), (844, 19972), (942, 20242), (945, 20251), (948, 20260), (989, 20374),

Gene: Rockne_16 Start: 14790, Stop: 16499, Start Num: 142
Candidate Starts for Rockne_16:
(Start: 142 @14790 has 207 MA's), (215, 14877), (Start: 249 @14922 has 2 MA's), (258, 14946), (282, 15003), (299, 15051), (301, 15057), (309, 15075), (332, 15105), (362, 15159), (390, 15210), (419, 15264), (422, 15270), (425, 15279), (437, 15300), (450, 15324), (473, 15360), (475, 15366), (535, 15399), (536, 15402), (539, 15411), (544, 15426), (546, 15432), (558, 15450), (564, 15465), (566, 15471), (572, 15489), (573, 15492), (580, 15507), (589, 15522), (591, 15528), (605, 15576), (611, 15588), (614, 15594), (648, 15654), (653, 15666), (666, 15702), (670, 15714), (700, 15789), (704, 15798), (713, 15816), (715, 15822), (730, 15852), (806, 15957), (812, 15969), (825, 16005), (847, 16083), (885, 16203), (896, 16236), (911, 16266), (913, 16278), (919, 16296), (922, 16302), (924, 16305), (928, 16311), (944, 16326), (945, 16329), (953, 16350), (955, 16353), (973, 16395), (980, 16425), (992, 16467), (993, 16473),

Gene: Rockstar_27 Start: 19834, Stop: 21633, Start Num: 156
Candidate Starts for Rockstar_27:
(Start: 156 @19834 has 559 MA's), (Start: 204 @19894 has 1 MA's), (254, 19963), (Start: 303 @20065 has 11 MA's), (323, 20077), (325, 20080), (367, 20155), (376, 20170), (379, 20173), (402, 20209), (475, 20344), (508, 20413), (567, 20527), (615, 20653), (674, 20767), (675, 20770), (683, 20791), (689, 20809), (731, 20890), (762, 20965), (767, 20983), (769, 20992), (777, 21022), (782, 21037), (790, 21061), (800, 21070), (820, 21115), (821, 21118), (828, 21139), (831, 21151), (899, 21364), (911, 21388), (943, 21469), (945, 21475), (992, 21610),

Gene: RockyHorror_17 Start: 14667, Stop: 16376, Start Num: 142
Candidate Starts for RockyHorror_17:
(Start: 142 @14667 has 207 MA's), (215, 14754), (258, 14823), (266, 14844), (282, 14880), (299, 14928), (301, 14934), (309, 14952), (332, 14982), (390, 15087), (422, 15147), (425, 15156), (434, 15168), (437, 15177), (450, 15201), (535, 15276), (544, 15303), (546, 15309), (558, 15327), (564, 15342), (566, 15348), (580, 15384), (582, 15387), (589, 15399), (591, 15405), (605, 15453), (611, 15465), (614, 15471), (648, 15531), (653, 15543), (666, 15579), (670, 15591), (700, 15666), (704, 15675), (713, 15693), (715, 15699), (730, 15729), (806, 15834), (810, 15843), (812, 15846), (825, 15882), (847, 15960), (878, 16059), (885, 16080), (896, 16113), (911, 16143), (919, 16173), (924, 16182), (928, 16188), (944, 16203), (945, 16206), (955, 16230), (968, 16260), (973, 16272), (980, 16302), (992, 16344),

Gene: Rofo_35 Start: 30807, Stop: 32570, Start Num: 111
Candidate Starts for Rofo_35:
(104, 30789), (Start: 111 @30807 has 74 MA's), (Start: 131 @30843 has 1 MA's), (238, 30981), (285, 31077), (289, 31086), (340, 31155), (367, 31206), (395, 31251), (406, 31266), (448, 31347), (475, 31392), (478, 31401), (535, 31491), (543, 31521), (550, 31536), (562, 31560), (571, 31590), (641, 31695), (689, 31812), (695, 31830), (699, 31845), (723, 31875), (730, 31887), (731, 31890), (740, 31917), (879, 32241), (880, 32244), (896, 32292), (909, 32319), (917, 32346), (943, 32400), (951, 32424), (952, 32427), (984, 32517), (1000, 32565),

Gene: RogerDodger_34 Start: 26723, Stop: 28489, Start Num: 111
Candidate Starts for RogerDodger_34:
(93, 26681), (Start: 111 @26723 has 74 MA's), (Start: 131 @26759 has 1 MA's), (Start: 159 @26792 has 217 MA's), (266, 26948), (287, 27002), (289, 27005), (323, 27035), (351, 27101), (367, 27125), (393, 27167), (478, 27320), (495, 27359), (535, 27410), (539, 27422), (543, 27440), (548, 27452), (553, 27464), (562, 27479), (571, 27509), (572, 27512), (579, 27533), (636, 27605), (663, 27653), (699, 27764), (724, 27797), (740, 27836), (743, 27839), (769, 27911), (803, 27977), (809, 27989), (879, 28160), (880, 28163), (896, 28211), (909, 28238), (917, 28265), (943, 28319), (984, 28436), (990, 28457), (1000, 28484),

Gene: Rohr_28 Start: 21366, Stop: 23168, Start Num: 159
Candidate Starts for Rohr_28:
(Start: 159 @21366 has 217 MA's), (Start: 176 @21387 has 45 MA's), (Start: 204 @21429 has 1 MA's), (237, 21474), (367, 21690), (395, 21735), (402, 21744), (421, 21783), (448, 21834), (449, 21837), (556, 22032), (581, 22101), (674, 22302), (675, 22305), (683, 22326), (730, 22422), (731, 22425), (733, 22431), (762, 22500), (767, 22518), (769, 22527), (777, 22557), (821, 22653), (831, 22686), (835, 22701), (879, 22842), (899, 22899), (945, 23010),

Gene: Roksolana_31 Start: 19990, Stop: 21762, Start Num: 156
Candidate Starts for Roksolana_31:
(110, 19924), (Start: 136 @19966 has 48 MA's), (Start: 156 @19990 has 559 MA's), (325, 20227), (366, 20299), (367, 20302), (376, 20317), (402, 20356), (406, 20362), (465, 20473), (469, 20479), (484, 20518), (508, 20560), (536, 20599), (550, 20641), (556, 20644), (615, 20800), (684, 20941), (689, 20956), (777, 21169), (828, 21268), (835, 21295), (852, 21346), (855, 21355), (866, 21394), (869, 21409), (899, 21493), (943, 21598), (945, 21604), (992, 21739),

Gene: Romney_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Romney_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: RonRayGun_19 Start: 16980, Stop: 18686, Start Num: 175
Candidate Starts for RonRayGun_19:
(101, 16872), (106, 16884), (Start: 175 @16980 has 56 MA's), (223, 17046), (273, 17121), (275, 17127), (Start: 303 @17211 has 11 MA's), (343, 17265), (366, 17310), (367, 17313), (409, 17379), (562, 17664), (674, 17886), (758, 18075), (826, 18213), (830, 18225), (896, 18402), (912, 18438), (977, 18603), (985, 18630), (998, 18669), (1002, 18675),

Gene: Ronaldo_56 Start: 28894, Stop: 30579, Start Num: 143
Candidate Starts for Ronaldo_56:
(73, 28702), (75, 28711), (76, 28717), (99, 28819), (113, 28849), (Start: 143 @28894 has 6 MA's), (256, 29035), (344, 29194), (377, 29248), (465, 29404), (524, 29503), (543, 29551), (567, 29608), (572, 29623), (635, 29713), (692, 29851), (730, 29914), (767, 30010), (800, 30061), (801, 30064), (807, 30076), (835, 30151), (840, 30166), (878, 30250), (909, 30331), (954, 30442), (990, 30547), (994, 30565),

Gene: Roosevelt_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Roosevelt_27:

(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Rosa24_26 Start: 19799, Stop: 21580, Start Num: 156
Candidate Starts for Rosa24_26:
(Start: 136 @19775 has 48 MA's), (Start: 156 @19799 has 559 MA's), (Start: 162 @19805 has 5 MA's), (Start: 204 @19859 has 1 MA's), (215, 19874), (254, 19928), (Start: 260 @19946 has 1 MA's), (Start: 303 @20030 has 11 MA's), (323, 20042), (325, 20045), (367, 20120), (376, 20135), (402, 20174), (465, 20291), (508, 20378), (550, 20459), (572, 20507), (581, 20531), (615, 20618), (644, 20663), (675, 20735), (683, 20756), (689, 20774), (731, 20855), (767, 20948), (769, 20957), (775, 20981), (777, 20987), (784, 21011), (821, 21065), (828, 21086), (842, 21137), (850, 21161), (899, 21311), (943, 21416), (948, 21431), (987, 21539), (992, 21557),

Gene: Rosalind_30 Start: 19215, Stop: 21002, Start Num: 156
Candidate Starts for Rosalind_30:
(110, 19149), (Start: 136 @19191 has 48 MA's), (Start: 156 @19215 has 559 MA's), (Start: 260 @19353 has 1 MA's), (285, 19410), (325, 19452), (344, 19488), (367, 19527), (409, 19596), (421, 19620), (449, 19674), (536, 19824), (556, 19869), (567, 19899), (579, 19935), (600, 19986), (613, 20022), (644, 20070), (671, 20130), (730, 20259), (762, 20337), (835, 20538), (837, 20544), (867, 20640), (929, 20805), (971, 20904),

Gene: Rose5_18 Start: 16746, Stop: 18515, Start Num: 136
Candidate Starts for Rose5_18:
(Start: 103 @16683 has 1 MA's), (Start: 111 @16704 has 74 MA's), (Start: 119 @16719 has 3 MA's), (Start: 136 @16746 has 48 MA's), (207, 16839), (241, 16887), (246, 16893), (265, 16920), (266, 16923), (269, 16929), (295, 17001), (298, 17010), (318, 17034), (327, 17049), (342, 17079), (414, 17205), (417, 17214), (427, 17235), (435, 17250), (475, 17319), (488, 17355), (501, 17376), (542, 17445), (562, 17484), (636, 17622), (644, 17634), (674, 17709), (676, 17715), (683, 17733), (695, 17772), (712, 17805), (716, 17814), (724, 17823), (730, 17832), (731, 17835), (774, 17955), (785, 17991), (826, 18039), (830, 18051), (858, 18105), (888, 18201), (893, 18219), (895, 18225), (896, 18228), (912, 18261), (919, 18285), (951, 18348), (965, 18390), (977, 18429), (983, 18447), (989, 18468), (994, 18489),

Gene: Rosmarinus_23 Start: 17176, Stop: 18942, Start Num: 178
Candidate Starts for Rosmarinus_23:
(Start: 178 @17176 has 139 MA's), (198, 17206), (284, 17365), (295, 17398), (311, 17428), (329, 17461), (335, 17473), (371, 17563), (400, 17605), (436, 17677), (441, 17686), (465, 17725), (484, 17770), (491, 17791), (492, 17794), (527, 17848), (536, 17866), (551, 17908), (557, 17914), (567, 17941), (647, 18079), (656, 18097), (670, 18139), (676, 18157), (688, 18187), (702, 18214), (751, 18319), (821, 18478), (832, 18514), (841, 18544), (853, 18553), (879, 18628), (896, 18679), (983, 18874), (993, 18913), (994, 18916), (1004, 18934),

Gene: Rowdy_31 Start: 19855, Stop: 21633, Start Num: 156
Candidate Starts for Rowdy_31:
(Start: 156 @19855 has 559 MA's), (Start: 204 @19912 has 1 MA's), (215, 19927), (238, 19960), (254, 19981), (Start: 303 @20083 has 11 MA's), (323, 20095), (325, 20098), (367, 20173), (376, 20188), (402, 20227), (465, 20344), (475, 20362), (508, 20431), (540, 20485), (546, 20506), (567, 20545), (581, 20584), (615, 20671), (644, 20716), (669, 20764), (674, 20785), (683, 20809), (687, 20821),

(689, 20827), (731, 20908), (767, 21001), (769, 21010), (775, 21034), (777, 21040), (782, 21055), (808, 21088), (828, 21139), (833, 21157), (845, 21202), (899, 21364), (911, 21388), (912, 21394), (943, 21469), (945, 21475), (948, 21484), (971, 21535), (992, 21610),

Gene: Royals2015_16 Start: 14826, Stop: 16535, Start Num: 142
Candidate Starts for Royals2015_16:
(Start: 142 @14826 has 207 MA's), (215, 14913), (Start: 249 @14958 has 2 MA's), (258, 14982), (299, 15087), (301, 15093), (309, 15111), (332, 15141), (390, 15246), (422, 15306), (434, 15327), (437, 15336), (450, 15360), (558, 15486), (564, 15501), (566, 15507), (580, 15543), (582, 15546), (589, 15558), (591, 15564), (605, 15612), (611, 15624), (614, 15630), (648, 15690), (653, 15702), (666, 15738), (670, 15750), (700, 15825), (704, 15834), (713, 15852), (715, 15858), (730, 15888), (806, 15993), (810, 16002), (812, 16005), (825, 16041), (847, 16119), (878, 16218), (885, 16239), (896, 16272), (911, 16302), (919, 16332), (924, 16341), (928, 16347), (944, 16362), (945, 16365), (955, 16389), (968, 16419), (973, 16431), (980, 16461), (992, 16503),

Gene: Rubeelu_18 Start: 14956, Stop: 16665, Start Num: 147
Candidate Starts for Rubeelu_18:
(Start: 147 @14956 has 120 MA's), (Start: 171 @14983 has 28 MA's), (Start: 249 @15088 has 2 MA's), (252, 15100), (269, 15136), (290, 15187), (296, 15208), (299, 15217), (301, 15223), (317, 15244), (324, 15256), (419, 15430), (422, 15436), (432, 15454), (437, 15466), (438, 15469), (450, 15490), (535, 15565), (544, 15592), (558, 15616), (559, 15619), (564, 15631), (580, 15673), (589, 15688), (591, 15694), (593, 15703), (605, 15742), (625, 15796), (648, 15820), (670, 15880), (693, 15946), (700, 15955), (704, 15964), (727, 16015), (730, 16018), (806, 16123), (825, 16171), (844, 16237), (866, 16309), (919, 16462), (924, 16471), (944, 16492), (948, 16507), (955, 16519), (971, 16555), (973, 16561),

Gene: Rubeus_28 Start: 21204, Stop: 23006, Start Num: 159
Candidate Starts for Rubeus_28:
(Start: 159 @21204 has 217 MA's), (Start: 176 @21225 has 45 MA's), (Start: 204 @21267 has 1 MA's), (237, 21312), (367, 21528), (395, 21573), (402, 21582), (448, 21672), (449, 21675), (556, 21870), (581, 21939), (674, 22140), (675, 22143), (683, 22164), (730, 22260), (731, 22263), (733, 22269), (762, 22338), (767, 22356), (769, 22365), (777, 22395), (821, 22491), (831, 22524), (835, 22539), (879, 22680), (899, 22737), (945, 22848), (1000, 23001),

Gene: Ruby_16 Start: 14774, Stop: 16483, Start Num: 142
Candidate Starts for Ruby_16:
(Start: 142 @14774 has 207 MA's), (215, 14861), (Start: 249 @14906 has 2 MA's), (258, 14930), (299, 15035), (301, 15041), (309, 15059), (332, 15089), (390, 15194), (419, 15248), (422, 15254), (425, 15263), (434, 15275), (437, 15284), (450, 15308), (473, 15344), (475, 15350), (482, 15362), (535, 15383), (536, 15386), (539, 15395), (544, 15410), (546, 15416), (558, 15434), (564, 15449), (566, 15455), (572, 15473), (573, 15476), (580, 15491), (589, 15506), (591, 15512), (600, 15542), (605, 15560), (611, 15572), (614, 15578), (648, 15638), (653, 15650), (666, 15686), (670, 15698), (677, 15719), (700, 15773), (704, 15782), (715, 15806), (730, 15836), (806, 15941), (812, 15953), (825, 15989), (836, 16028), (847, 16067), (878, 16166), (885, 16187), (896, 16220), (911, 16250), (919, 16280), (924, 16289), (928, 16295), (944, 16310), (945, 16313), (953, 16334), (955, 16337), (973, 16379), (980, 16409), (992, 16451), (993, 16457),

Gene: Rufus_28 Start: 21506, Stop: 23308, Start Num: 159
Candidate Starts for Rufus_28:
(Start: 159 @21506 has 217 MA's), (Start: 176 @21527 has 45 MA's), (Start: 204 @21569 has 1 MA's), (237, 21614), (367, 21830), (395, 21875), (402, 21884), (448, 21974), (449, 21977), (495, 22070), (556, 22172), (581, 22241), (670, 22430), (674, 22442), (675, 22445), (683, 22466), (730, 22562), (731, 22565), (733, 22571), (762, 22640), (767, 22658), (769, 22667), (777, 22697), (821,

22793), (831, 22826), (835, 22841), (879, 22982), (899, 23039), (945, 23150),

Gene: Ruin_27 Start: 19823, Stop: 21601, Start Num: 156
Candidate Starts for Ruin_27:
(Start: 136 @19799 has 48 MA's), (Start: 156 @19823 has 559 MA's), (Start: 204 @19880 has 1 MA's), (241, 19934), (254, 19949), (Start: 260 @19967 has 1 MA's), (Start: 303 @20051 has 11 MA's), (323, 20063), (325, 20066), (367, 20141), (376, 20156), (402, 20195), (465, 20312), (508, 20399), (550, 20480), (572, 20528), (581, 20552), (615, 20639), (644, 20684), (675, 20756), (683, 20777), (689, 20795), (731, 20876), (767, 20969), (769, 20978), (775, 21002), (777, 21008), (784, 21032), (821, 21086), (828, 21107), (842, 21158), (850, 21182), (867, 21236), (899, 21332), (943, 21437), (948, 21452), (987, 21560), (992, 21578),

Gene: Rummer_29 Start: 20463, Stop: 22259, Start Num: 156
Candidate Starts for Rummer_29:
(Start: 156 @20463 has 559 MA's), (Start: 204 @20520 has 1 MA's), (215, 20535), (238, 20568), (254, 20589), (259, 20604), (Start: 303 @20691 has 11 MA's), (323, 20703), (325, 20706), (367, 20781), (376, 20796), (400, 20832), (508, 21039), (567, 21153), (581, 21192), (615, 21279), (674, 21393), (683, 21417), (689, 21435), (731, 21516), (762, 21591), (767, 21609), (775, 21642), (777, 21648), (790, 21687), (820, 21741), (821, 21744), (828, 21765), (844, 21822), (899, 21990), (943, 22095), (945, 22101), (992, 22236),

Gene: Rumpelstiltskin_18 Start: 16995, Stop: 18728, Start Num: 175
Candidate Starts for Rumpelstiltskin_18:
(Start: 175 @16995 has 56 MA's), (223, 17064), (295, 17205), (296, 17208), (327, 17253), (343, 17286), (346, 17295), (366, 17331), (400, 17385), (414, 17412), (419, 17424), (445, 17475), (448, 17481), (469, 17514), (546, 17667), (562, 17691), (564, 17700), (579, 17745), (588, 17760), (636, 17838), (686, 17958), (712, 18021), (746, 18093), (764, 18129), (824, 18249), (826, 18255), (830, 18267), (860, 18330), (875, 18381), (888, 18417), (896, 18444), (925, 18513), (935, 18528), (943, 18540), (951, 18564), (977, 18642),

Gene: Ruotula_26 Start: 21710, Stop: 23512, Start Num: 159
Candidate Starts for Ruotula_26:
(Start: 159 @21710 has 217 MA's), (Start: 176 @21731 has 45 MA's), (Start: 204 @21773 has 1 MA's), (237, 21818), (367, 22034), (395, 22079), (402, 22088), (421, 22127), (448, 22178), (449, 22181), (556, 22376), (581, 22445), (674, 22646), (675, 22649), (683, 22670), (730, 22766), (731, 22769), (733, 22775), (762, 22844), (767, 22862), (769, 22871), (777, 22901), (821, 22997), (831, 23030), (835, 23045), (879, 23186), (899, 23243), (945, 23354),

Gene: Rutherferd_29 Start: 21775, Stop: 23577, Start Num: 159
Candidate Starts for Rutherferd_29:
(Start: 159 @21775 has 217 MA's), (Start: 176 @21796 has 45 MA's), (Start: 204 @21838 has 1 MA's), (237, 21883), (367, 22099), (395, 22144), (402, 22153), (448, 22243), (449, 22246), (495, 22339), (556, 22441), (581, 22510), (674, 22711), (675, 22714), (683, 22735), (730, 22831), (731, 22834), (733, 22840), (767, 22927), (769, 22936), (777, 22966), (821, 23062), (831, 23095), (835, 23110), (879, 23251), (899, 23308), (945, 23419),

Gene: Ruthiejr_23 Start: 18254, Stop: 20041, Start Num: 178
Candidate Starts for Ruthiejr_23:
(Start: 146 @18215 has 1 MA's), (Start: 171 @18245 has 28 MA's), (Start: 176 @18251 has 45 MA's), (Start: 178 @18254 has 139 MA's), (Start: 196 @18269 has 2 MA's), (228, 18311), (256, 18359), (272, 18398), (277, 18413), (284, 18431), (295, 18464), (311, 18494), (335, 18539), (342, 18557), (371, 18629), (376, 18635), (395, 18665), (397, 18668), (430, 18731), (436, 18743), (498, 18878), (509, 18896), (534, 18926), (536, 18932), (541, 18950), (557, 18980), (571, 19019), (647, 19145), (671,

19208), (751, 19409), (769, 19463), (782, 19508), (808, 19553), (821, 19577), (831, 19610), (841, 19643), (875, 19715), (879, 19727), (896, 19778), (899, 19784), (951, 19886), (993, 20012), (1004, 20033),

Gene: Ruthy_19 Start: 16329, Stop: 18023, Start Num: 233
Candidate Starts for Ruthy_19:
(117, 16179), (200, 16293), (Start: 222 @16317 has 16 MA's), (Start: 233 @16329 has 1 MA's), (258, 16377), (309, 16506), (314, 16512), (343, 16578), (433, 16758), (436, 16764), (537, 16944), (539, 16950), (572, 17031), (644, 17145), (688, 17259), (702, 17292), (720, 17322), (721, 17325), (745, 17388), (747, 17391), (762, 17424), (831, 17592), (833, 17598), (876, 17697), (942, 17841), (1004, 18015),

Gene: Ryadel_60 Start: 34285, Stop: 36021, Start Num: 126
Candidate Starts for Ryadel_60:
(Start: 120 @34276 has 2 MA's), (Start: 126 @34285 has 26 MA's), (Start: 195 @34375 has 1 MA's), (266, 34492), (282, 34528), (291, 34549), (299, 34576), (301, 34582), (322, 34612), (336, 34636), (363, 34687), (437, 34825), (440, 34831), (472, 34882), (473, 34885), (482, 34903), (558, 34954), (566, 34975), (567, 34978), (589, 35026), (591, 35032), (605, 35080), (607, 35086), (611, 35092), (632, 35152), (648, 35176), (650, 35179), (666, 35224), (671, 35239), (674, 35248), (677, 35257), (693, 35302), (704, 35320), (721, 35353), (812, 35491), (820, 35512), (840, 35578), (848, 35608), (865, 35662), (878, 35704), (885, 35725), (892, 35746), (896, 35758), (907, 35779), (928, 35833), (971, 35911), (980, 35947), (986, 35968), (993, 35995),

Gene: RyeScarlet_31 Start: 21753, Stop: 23543, Start Num: 156
Candidate Starts for RyeScarlet_31:
(Start: 153 @21750 has 9 MA's), (Start: 156 @21753 has 559 MA's), (323, 21987), (325, 21990), (366, 22062), (367, 22065), (376, 22080), (402, 22119), (406, 22125), (465, 22236), (508, 22323), (550, 22404), (556, 22407), (635, 22593), (669, 22656), (675, 22680), (677, 22686), (689, 22719), (731, 22800), (775, 22926), (788, 22968), (821, 23028), (831, 23061), (835, 23076), (866, 23175), (867, 23178), (869, 23190), (899, 23274), (925, 23340), (943, 23379), (945, 23385), (964, 23430), (983, 23487), (984, 23490),

Gene: SG4_16 Start: 14957, Stop: 16666, Start Num: 142
Candidate Starts for SG4_16:
(Start: 142 @14957 has 207 MA's), (215, 15044), (Start: 249 @15089 has 2 MA's), (258, 15113), (299, 15218), (301, 15224), (309, 15242), (332, 15272), (390, 15377), (422, 15437), (434, 15458), (437, 15467), (450, 15491), (558, 15617), (564, 15632), (566, 15638), (580, 15674), (582, 15677), (589, 15689), (591, 15695), (605, 15743), (611, 15755), (614, 15761), (648, 15821), (653, 15833), (666, 15869), (670, 15881), (700, 15956), (704, 15965), (713, 15983), (715, 15989), (730, 16019), (806, 16124), (810, 16133), (812, 16136), (825, 16172), (847, 16250), (878, 16349), (885, 16370), (896, 16403), (911, 16433), (919, 16463), (924, 16472), (928, 16478), (944, 16493), (945, 16496), (955, 16520), (968, 16550), (973, 16562), (980, 16592), (992, 16634),

Gene: STLscum_28 Start: 21913, Stop: 23715, Start Num: 159
Candidate Starts for STLscum_28:
(Start: 159 @21913 has 217 MA's), (Start: 176 @21934 has 45 MA's), (Start: 204 @21976 has 1 MA's), (237, 22021), (367, 22237), (395, 22282), (402, 22291), (448, 22381), (449, 22384), (495, 22477), (556, 22579), (581, 22648), (670, 22837), (674, 22849), (675, 22852), (683, 22873), (730, 22969), (731, 22972), (733, 22978), (762, 23047), (767, 23065), (769, 23074), (777, 23104), (821, 23200), (831, 23233), (835, 23248), (879, 23389), (899, 23446), (945, 23557),

Gene: Saal_16 Start: 14790, Stop: 16499, Start Num: 142
Candidate Starts for Saal_16:

(Start: 142 @14790 has 207 MA's), (215, 14877), (Start: 249 @14922 has 2 MA's), (258, 14946), (282, 15003), (299, 15051), (301, 15057), (309, 15075), (332, 15105), (390, 15210), (419, 15264), (422, 15270), (425, 15279), (437, 15300), (450, 15324), (473, 15360), (475, 15366), (535, 15399), (536, 15402), (539, 15411), (544, 15426), (546, 15432), (558, 15450), (564, 15465), (566, 15471), (572, 15489), (573, 15492), (580, 15507), (589, 15522), (591, 15528), (605, 15576), (611, 15588), (614, 15594), (648, 15654), (653, 15666), (666, 15702), (670, 15714), (700, 15789), (704, 15798), (713, 15816), (715, 15822), (730, 15852), (806, 15957), (812, 15969), (825, 16005), (847, 16083), (885, 16203), (896, 16236), (911, 16266), (913, 16278), (919, 16296), (922, 16302), (924, 16305), (928, 16311), (944, 16326), (945, 16329), (953, 16350), (955, 16353), (973, 16395), (980, 16425), (992, 16467), (993, 16473),

Gene: Sabertooth_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Sabertooth_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Sabia_29 Start: 20372, Stop: 22168, Start Num: 156
Candidate Starts for Sabia_29:
(Start: 156 @20372 has 559 MA's), (Start: 204 @20429 has 1 MA's), (215, 20444), (254, 20498), (259, 20513), (Start: 303 @20600 has 11 MA's), (323, 20612), (325, 20615), (367, 20690), (376, 20705), (400, 20741), (508, 20948), (581, 21101), (615, 21188), (674, 21302), (683, 21326), (689, 21344), (731, 21425), (762, 21500), (767, 21518), (775, 21551), (777, 21557), (790, 21596), (820, 21650), (821, 21653), (828, 21674), (844, 21731), (899, 21899), (943, 22004), (945, 22010), (992, 22145),

Gene: Sabinator_29 Start: 20377, Stop: 22173, Start Num: 156
Candidate Starts for Sabinator_29:
(Start: 156 @20377 has 559 MA's), (Start: 204 @20434 has 1 MA's), (215, 20449), (238, 20482), (254, 20503), (259, 20518), (Start: 303 @20605 has 11 MA's), (323, 20617), (325, 20620), (367, 20695), (376, 20710), (400, 20746), (508, 20953), (567, 21067), (581, 21106), (615, 21193), (674, 21307), (683, 21331), (689, 21349), (731, 21430), (762, 21505), (767, 21523), (775, 21556), (777, 21562), (790, 21601), (820, 21655), (821, 21658), (828, 21679), (844, 21736), (899, 21904), (943, 22009), (945, 22015), (992, 22150),

Gene: Sachima_28 Start: 21749, Stop: 23539, Start Num: 156
Candidate Starts for Sachima_28:
(Start: 153 @21746 has 9 MA's), (Start: 156 @21749 has 559 MA's), (323, 21983), (325, 21986), (366, 22058), (367, 22061), (376, 22076), (402, 22115), (406, 22121), (465, 22232), (508, 22319), (550, 22400), (556, 22403), (635, 22589), (669, 22652), (675, 22676), (677, 22682), (689, 22715), (731, 22796), (775, 22922), (788, 22964), (821, 23024), (831, 23057), (835, 23072), (866, 23171), (867, 23174), (869, 23186), (899, 23270), (925, 23336), (943, 23375), (945, 23381), (964, 23426), (983, 23483), (984, 23486),

Gene: Sagefire_28 Start: 21946, Stop: 23748, Start Num: 159
Candidate Starts for Sagefire_28:
(Start: 159 @21946 has 217 MA's), (Start: 176 @21967 has 45 MA's), (Start: 204 @22009 has 1 MA's), (237, 22054), (367, 22270), (395, 22315), (402, 22324), (421, 22363), (448, 22414), (449, 22417), (556, 22612), (581, 22681), (674, 22882), (675, 22885), (683, 22906), (730, 23002), (731, 23005), (733, 23011), (762, 23080), (767, 23098), (769, 23107), (777, 23137), (821, 23233), (831,

23266), (835, 23281), (879, 23422), (899, 23479), (945, 23590),

Gene: Sahara_17 Start: 14784, Stop: 16493, Start Num: 216
Candidate Starts for Sahara_17:
(Start: 216 @14784 has 31 MA's), (278, 14901), (304, 14973), (305, 14976), (347, 15051), (367, 15090), (376, 15105), (406, 15147), (417, 15174), (469, 15264), (471, 15267), (526, 15399), (547, 15453), (583, 15534), (613, 15594), (631, 15600), (704, 15759), (714, 15777), (731, 15816), (762, 15888), (764, 15891), (768, 15912), (875, 16146), (880, 16161), (894, 16203), (923, 16284), (931, 16296), (933, 16299), (951, 16347), (965, 16377),

Gene: Saints25_25 Start: 19407, Stop: 21086, Start Num: 147
Candidate Starts for Saints25_25:
(Start: 147 @19407 has 120 MA's), (Start: 212 @19491 has 47 MA's), (Start: 260 @19569 has 1 MA's), (296, 19656), (301, 19671), (332, 19719), (349, 19758), (405, 19845), (420, 19878), (437, 19914), (454, 19944), (457, 19950), (538, 20019), (561, 20049), (565, 20061), (566, 20064), (591, 20121), (650, 20253), (651, 20259), (675, 20325), (677, 20331), (686, 20355), (704, 20403), (715, 20427), (721, 20436), (754, 20511), (810, 20562), (819, 20577), (867, 20739), (875, 20766), (885, 20796), (926, 20901), (971, 20979), (980, 21015), (983, 21024), (992, 21057), (998, 21072),

Gene: Saintus_24 Start: 18634, Stop: 20424, Start Num: 156
Candidate Starts for Saintus_24:
(Start: 136 @18610 has 48 MA's), (Start: 156 @18634 has 559 MA's), (235, 18727), (Start: 260 @18772 has 1 MA's), (325, 18871), (344, 18907), (367, 18946), (376, 18961), (400, 18997), (465, 19117), (469, 19123), (536, 19243), (590, 19372), (615, 19444), (674, 19558), (767, 19774), (775, 19807), (821, 19909), (831, 19942), (835, 19957), (844, 19987), (942, 20257), (945, 20266), (948, 20275), (989, 20389),

Gene: Salvador_31 Start: 25859, Stop: 27625, Start Num: 111
Candidate Starts for Salvador_31:
(93, 25817), (Start: 111 @25859 has 74 MA's), (Start: 131 @25895 has 1 MA's), (Start: 159 @25928 has 217 MA's), (266, 26084), (287, 26138), (289, 26141), (323, 26171), (351, 26237), (367, 26261), (372, 26270), (393, 26303), (478, 26456), (495, 26495), (535, 26546), (539, 26558), (543, 26576), (548, 26588), (553, 26600), (562, 26615), (571, 26645), (572, 26648), (579, 26669), (636, 26741), (663, 26789), (699, 26900), (724, 26933), (740, 26972), (743, 26975), (769, 27047), (803, 27113), (809, 27125), (879, 27296), (880, 27299), (896, 27347), (909, 27374), (917, 27401), (943, 27455), (984, 27572), (990, 27593), (1000, 27620),

Gene: Salz_28 Start: 20746, Stop: 22545, Start Num: 156
Candidate Starts for Salz_28:
(110, 20680), (Start: 136 @20722 has 48 MA's), (Start: 156 @20746 has 559 MA's), (Start: 196 @20788 has 2 MA's), (Start: 260 @20884 has 1 MA's), (269, 20899), (323, 20980), (325, 20983), (367, 21058), (376, 21073), (402, 21112), (406, 21118), (430, 21169), (465, 21229), (469, 21235), (508, 21316), (556, 21400), (603, 21526), (609, 21544), (622, 21571), (689, 21712), (723, 21778), (730, 21790), (731, 21793), (800, 21982), (813, 22009), (819, 22018), (824, 22039), (825, 22042), (831, 22063), (835, 22078), (842, 22102), (866, 22177), (869, 22192), (899, 22276), (943, 22381), (945, 22387), (968, 22441), (1000, 22540),

Gene: SamScheppers_22 Start: 18161, Stop: 19948, Start Num: 178
Candidate Starts for SamScheppers_22:
(Start: 146 @18122 has 1 MA's), (Start: 171 @18152 has 28 MA's), (Start: 176 @18158 has 45 MA's), (Start: 178 @18161 has 139 MA's), (228, 18218), (256, 18266), (272, 18305), (277, 18320), (284, 18338), (295, 18371), (311, 18401), (335, 18446), (342, 18464), (371, 18536), (376, 18542), (395, 18572), (430, 18638), (436, 18650), (498, 18785), (534, 18833), (536, 18839), (541, 18857), (557,

18887), (571, 18926), (647, 19052), (670, 19112), (671, 19115), (677, 19133), (683, 19148), (751, 19316), (769, 19370), (782, 19415), (808, 19460), (821, 19484), (831, 19517), (841, 19550), (875, 19622), (879, 19634), (896, 19685), (899, 19691), (951, 19793), (993, 19919), (1004, 19940),

Gene: SamW_17 Start: 16284, Stop: 17981, Start Num: 132
Candidate Starts for SamW_17:
(Start: 132 @16284 has 8 MA's), (Start: 148 @16305 has 5 MA's), (Start: 212 @16389 has 47 MA's), (232, 16416), (237, 16422), (318, 16554), (346, 16605), (367, 16638), (371, 16647), (448, 16782), (469, 16815), (477, 16833), (503, 16887), (536, 16932), (562, 16989), (565, 17001), (577, 17040), (617, 17091), (622, 17100), (637, 17121), (670, 17187), (703, 17277), (758, 17385), (773, 17439), (775, 17445), (781, 17463), (837, 17559), (853, 17580), (869, 17625), (929, 17784), (939, 17799), (944, 17814), (948, 17826), (998, 17970),

Gene: Samba_19 Start: 16728, Stop: 18374, Start Num: 227
Candidate Starts for Samba_19:
(203, 16692), (Start: 227 @16728 has 45 MA's), (283, 16830), (318, 16908), (321, 16911), (374, 17007), (396, 17046), (424, 17106), (435, 17127), (468, 17181), (475, 17196), (591, 17367), (600, 17397), (677, 17580), (686, 17604), (700, 17655), (739, 17748), (744, 17760), (765, 17805), (799, 17820), (843, 17952), (844, 17955), (875, 18054), (881, 18072), (899, 18123), (925, 18189), (963, 18252), (968, 18264),

Gene: Samman98_20 Start: 17337, Stop: 18917, Start Num: 213
Candidate Starts for Samman98_20:
(123, 17220), (Start: 213 @17337 has 53 MA's), (358, 17595), (369, 17616), (406, 17670), (423, 17709), (455, 17766), (469, 17787), (585, 17958), (592, 17976), (606, 18000), (631, 18021), (663, 18063), (691, 18144), (730, 18234), (747, 18279), (768, 18336), (769, 18339), (784, 18393), (836, 18483), (948, 18762), (951, 18771), (965, 18801),

Gene: Sampson_35 Start: 30699, Stop: 32321, Start Num: 183
Candidate Starts for Sampson_35:
(Start: 183 @30699 has 17 MA's), (201, 30720), (210, 30732), (247, 30783), (274, 30846), (300, 30918), (344, 31005), (373, 31056), (390, 31086), (434, 31167), (447, 31194), (567, 31293), (578, 31323), (584, 31332), (596, 31365), (597, 31368), (598, 31371), (601, 31380), (621, 31428), (648, 31476), (651, 31485), (688, 31584), (706, 31623), (713, 31635), (762, 31752), (812, 31791), (826, 31830), (842, 31887), (856, 31926), (858, 31935), (873, 31992), (877, 32004), (896, 32061), (899, 32067), (909, 32088), (919, 32121), (948, 32166), (992, 32295), (994, 32304),

Gene: Samty_19 Start: 17376, Stop: 19139, Start Num: 136
Candidate Starts for Samty_19:
(Start: 136 @17376 has 48 MA's), (Start: 161 @17403 has 14 MA's), (207, 17466), (241, 17514), (246, 17520), (269, 17556), (296, 17631), (Start: 303 @17655 has 11 MA's), (318, 17661), (346, 17718), (414, 17832), (419, 17844), (478, 17955), (556, 18099), (562, 18111), (572, 18144), (575, 18159), (674, 18333), (676, 18339), (695, 18396), (716, 18438), (724, 18447), (731, 18459), (762, 18534), (782, 18603), (785, 18615), (826, 18663), (858, 18729), (881, 18807), (896, 18852), (919, 18909), (951, 18972), (963, 19008), (969, 19023), (977, 19053), (979, 19059), (983, 19071), (985, 19080), (989, 19092),

Gene: SamuelLPlaqson_23 Start: 17102, Stop: 18868, Start Num: 178
Candidate Starts for SamuelLPlaqson_23:
(Start: 178 @17102 has 139 MA's), (198, 17132), (284, 17291), (295, 17324), (311, 17354), (329, 17387), (335, 17399), (371, 17489), (400, 17531), (436, 17603), (441, 17612), (465, 17651), (484, 17696), (492, 17720), (536, 17792), (551, 17834), (557, 17840), (567, 17867), (647, 18005), (656, 18023), (670, 18065), (688, 18113), (702, 18140), (751, 18245), (779, 18335), (832, 18440), (841,

18470), (853, 18479), (879, 18554), (896, 18605), (983, 18800), (993, 18839), (994, 18842), (1004, 18860),

Gene: Sandaddy_26 Start: 21059, Stop: 22861, Start Num: 159
Candidate Starts for Sandaddy_26:
(Start: 159 @21059 has 217 MA's), (Start: 176 @21080 has 45 MA's), (Start: 204 @21122 has 1 MA's), (367, 21383), (395, 21428), (402, 21437), (421, 21476), (448, 21527), (449, 21530), (556, 21725), (581, 21794), (674, 21995), (675, 21998), (683, 22019), (730, 22115), (731, 22118), (733, 22124), (762, 22193), (767, 22211), (769, 22220), (777, 22250), (821, 22346), (831, 22379), (835, 22394), (879, 22535), (899, 22592), (945, 22703),

Gene: Sandalphon_17 Start: 15361, Stop: 17070, Start Num: 142
Candidate Starts for Sandalphon_17:
(Start: 142 @15361 has 207 MA's), (215, 15448), (Start: 249 @15493 has 2 MA's), (258, 15517), (282, 15574), (299, 15622), (301, 15628), (309, 15646), (332, 15676), (390, 15781), (419, 15835), (422, 15841), (425, 15850), (437, 15871), (450, 15895), (473, 15931), (475, 15937), (535, 15970), (536, 15973), (539, 15982), (544, 15997), (546, 16003), (558, 16021), (564, 16036), (566, 16042), (572, 16060), (573, 16063), (580, 16078), (589, 16093), (591, 16099), (605, 16147), (611, 16159), (614, 16165), (648, 16225), (653, 16237), (666, 16273), (670, 16285), (700, 16360), (704, 16369), (713, 16387), (715, 16393), (730, 16423), (806, 16528), (812, 16540), (825, 16576), (847, 16654), (885, 16774), (896, 16807), (911, 16837), (913, 16849), (919, 16867), (922, 16873), (924, 16876), (928, 16882), (944, 16897), (945, 16900), (953, 16921), (955, 16924), (973, 16966), (980, 16996), (992, 17038), (993, 17044),

Gene: Sanjuju_33 Start: 30976, Stop: 32739, Start Num: 111
Candidate Starts for Sanjuju_33:
(104, 30958), (Start: 111 @30976 has 74 MA's), (Start: 131 @31012 has 1 MA's), (238, 31150), (285, 31246), (289, 31255), (340, 31324), (367, 31375), (395, 31420), (406, 31435), (448, 31516), (475, 31561), (478, 31570), (535, 31660), (543, 31690), (550, 31705), (562, 31729), (571, 31759), (641, 31864), (689, 31981), (695, 31999), (699, 32014), (723, 32044), (730, 32056), (731, 32059), (740, 32086), (879, 32410), (880, 32413), (896, 32461), (909, 32488), (917, 32515), (943, 32569), (952, 32596), (994, 32725),

Gene: Santhid_18 Start: 14993, Stop: 16609, Start Num: 177
Candidate Starts for Santhid_18:
(Start: 177 @14993 has 11 MA's), (247, 15092), (255, 15116), (300, 15227), (301, 15230), (306, 15248), (317, 15257), (348, 15323), (361, 15338), (364, 15347), (368, 15353), (418, 15443), (446, 15497), (450, 15506), (566, 15596), (607, 15707), (642, 15779), (648, 15785), (651, 15794), (661, 15812), (691, 15902), (700, 15917), (740, 16001), (746, 16016), (753, 16034), (761, 16046), (821, 16112), (835, 16160), (839, 16172), (842, 16184), (848, 16205), (854, 16217), (858, 16232), (867, 16262), (878, 16298), (948, 16451), (964, 16487), (984, 16550), (990, 16571), (998, 16595), (1001, 16601),

Gene: Sanya_26 Start: 21743, Stop: 23545, Start Num: 159
Candidate Starts for Sanya_26:
(Start: 159 @21743 has 217 MA's), (Start: 176 @21764 has 45 MA's), (Start: 204 @21806 has 1 MA's), (237, 21851), (367, 22067), (395, 22112), (402, 22121), (448, 22211), (449, 22214), (495, 22307), (556, 22409), (581, 22478), (674, 22679), (675, 22682), (683, 22703), (730, 22799), (731, 22802), (733, 22808), (762, 22877), (767, 22895), (769, 22904), (777, 22934), (821, 23030), (831, 23063), (835, 23078), (879, 23219), (899, 23276), (945, 23387),

Gene: Sapo_16 Start: 14618, Stop: 16216, Start Num: 227
Candidate Starts for Sapo_16:

(Start: 227 @14618 has 45 MA's), (361, 14873), (403, 14945), (410, 14963), (414, 14972), (422, 14990), (483, 15098), (484, 15101), (564, 15194), (591, 15257), (626, 15368), (628, 15371), (648, 15392), (675, 15467), (683, 15488), (686, 15497), (727, 15608), (744, 15653), (758, 15683), (765, 15698), (881, 15914), (892, 15947), (915, 16007), (919, 16019), (963, 16094), (973, 16118), (981, 16151),

Gene: SarFire_27 Start: 21221, Stop: 23023, Start Num: 159
Candidate Starts for SarFire_27:
(Start: 159 @21221 has 217 MA's), (Start: 176 @21242 has 45 MA's), (Start: 204 @21284 has 1 MA's), (237, 21329), (367, 21545), (395, 21590), (402, 21599), (448, 21689), (449, 21692), (495, 21785), (556, 21887), (581, 21956), (670, 22145), (674, 22157), (675, 22160), (683, 22181), (730, 22277), (731, 22280), (733, 22286), (762, 22355), (767, 22373), (769, 22382), (777, 22412), (821, 22508), (831, 22541), (835, 22556), (879, 22697), (899, 22754), (945, 22865), (1000, 23018),

Gene: Sarma624_17 Start: 14767, Stop: 16344, Start Num: 249
Candidate Starts for Sarma624_17:
(Start: 142 @14635 has 207 MA's), (215, 14722), (Start: 249 @14767 has 2 MA's), (258, 14791), (299, 14896), (301, 14902), (309, 14920), (332, 14950), (390, 15055), (422, 15115), (434, 15136), (437, 15145), (450, 15169), (535, 15244), (536, 15247), (558, 15295), (564, 15310), (566, 15316), (580, 15352), (582, 15355), (589, 15367), (591, 15373), (605, 15421), (611, 15433), (614, 15439), (648, 15499), (653, 15511), (666, 15547), (670, 15559), (700, 15634), (704, 15643), (713, 15661), (715, 15667), (730, 15697), (806, 15802), (810, 15811), (812, 15814), (825, 15850), (847, 15928), (878, 16027), (885, 16048), (896, 16081), (911, 16111), (919, 16141), (924, 16150), (928, 16156), (944, 16171), (945, 16174), (955, 16198), (968, 16228), (973, 16240), (980, 16270), (992, 16312),

Gene: Saronaya_34 Start: 29639, Stop: 31402, Start Num: 111
Candidate Starts for Saronaya_34:
(Start: 111 @29639 has 74 MA's), (Start: 131 @29675 has 1 MA's), (232, 29804), (238, 29813), (285, 29909), (289, 29918), (340, 29987), (367, 30038), (372, 30047), (395, 30083), (406, 30098), (414, 30116), (448, 30179), (475, 30224), (478, 30233), (541, 30344), (543, 30353), (550, 30368), (562, 30392), (571, 30422), (689, 30644), (695, 30662), (699, 30677), (730, 30719), (740, 30749), (785, 30869), (833, 30962), (879, 31073), (880, 31076), (896, 31124), (909, 31151), (917, 31178), (943, 31232),

Gene: Sarshaun_18 Start: 17022, Stop: 18755, Start Num: 175
Candidate Starts for Sarshaun_18:
(Start: 175 @17022 has 56 MA's), (223, 17091), (295, 17232), (296, 17235), (327, 17280), (343, 17313), (346, 17322), (366, 17358), (400, 17412), (414, 17439), (419, 17451), (445, 17502), (448, 17508), (469, 17541), (546, 17694), (562, 17718), (564, 17727), (579, 17772), (588, 17787), (636, 17865), (686, 17985), (712, 18048), (746, 18120), (764, 18156), (824, 18276), (826, 18282), (830, 18294), (860, 18357), (888, 18444), (896, 18471), (925, 18540), (935, 18555), (943, 18567), (951, 18591), (977, 18669),

Gene: Sassafras_16 Start: 14940, Stop: 16649, Start Num: 142
Candidate Starts for Sassafras_16:
(Start: 142 @14940 has 207 MA's), (215, 15027), (Start: 249 @15072 has 2 MA's), (258, 15096), (299, 15201), (301, 15207), (309, 15225), (332, 15255), (390, 15360), (422, 15420), (434, 15441), (437, 15450), (450, 15474), (558, 15600), (564, 15615), (566, 15621), (580, 15657), (582, 15660), (589, 15672), (591, 15678), (605, 15726), (611, 15738), (614, 15744), (648, 15804), (653, 15816), (666, 15852), (670, 15864), (700, 15939), (704, 15948), (713, 15966), (715, 15972), (730, 16002), (806, 16107), (812, 16119), (825, 16155), (847, 16233), (878, 16332), (885, 16353), (896, 16386), (911, 16416), (919, 16446), (924, 16455), (928, 16461), (944, 16476), (945, 16479), (953, 16500), (955, 16503), (973, 16545), (980, 16575), (992, 16617),

Gene: Sassay_23 Start: 19334, Stop: 20929, Start Num: 212
Candidate Starts for Sassay_23:
(Start: 147 @19250 has 120 MA's), (Start: 212 @19334 has 47 MA's), (Start: 260 @19412 has 1 MA's), (296, 19499), (301, 19514), (332, 19562), (349, 19601), (405, 19688), (420, 19721), (437, 19757), (454, 19787), (457, 19793), (538, 19862), (561, 19892), (565, 19904), (566, 19907), (591, 19964), (650, 20096), (651, 20102), (675, 20168), (677, 20174), (686, 20198), (704, 20246), (715, 20270), (721, 20279), (754, 20354), (810, 20405), (819, 20420), (867, 20582), (875, 20609), (885, 20639), (926, 20744), (971, 20822), (980, 20858), (983, 20867), (992, 20900), (998, 20915),

Gene: SassyB_16 Start: 14854, Stop: 16563, Start Num: 142
Candidate Starts for SassyB_16:
(Start: 142 @14854 has 207 MA's), (215, 14941), (Start: 249 @14986 has 2 MA's), (258, 15010), (299, 15115), (301, 15121), (309, 15139), (332, 15169), (390, 15274), (422, 15334), (425, 15343), (432, 15352), (434, 15355), (437, 15364), (450, 15388), (558, 15514), (564, 15529), (566, 15535), (580, 15571), (582, 15574), (589, 15586), (591, 15592), (605, 15640), (611, 15652), (614, 15658), (648, 15718), (653, 15730), (666, 15766), (670, 15778), (700, 15853), (704, 15862), (713, 15880), (715, 15886), (730, 15916), (806, 16021), (810, 16030), (812, 16033), (825, 16069), (847, 16147), (878, 16246), (885, 16267), (896, 16300), (911, 16330), (919, 16360), (924, 16369), (928, 16375), (944, 16390), (945, 16393), (955, 16417), (968, 16447), (973, 16459), (980, 16489), (992, 16531),

Gene: SaturnRing_27 Start: 19904, Stop: 21700, Start Num: 156
Candidate Starts for SaturnRing_27:
(Start: 156 @19904 has 559 MA's), (Start: 204 @19961 has 1 MA's), (254, 20030), (Start: 303 @20132 has 11 MA's), (323, 20144), (325, 20147), (367, 20222), (376, 20237), (402, 20276), (475, 20411), (508, 20480), (567, 20594), (615, 20720), (674, 20834), (683, 20858), (689, 20876), (731, 20957), (762, 21032), (767, 21050), (769, 21059), (775, 21083), (777, 21089), (782, 21104), (800, 21137), (820, 21182), (821, 21185), (828, 21206), (831, 21218), (833, 21224), (850, 21281), (899, 21431), (911, 21455), (943, 21536), (945, 21542), (992, 21677),

Gene: Savage_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for Savage_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Savbucketdawg_31 Start: 25640, Stop: 27406, Start Num: 111
Candidate Starts for Savbucketdawg_31:
(93, 25598), (Start: 111 @25640 has 74 MA's), (Start: 131 @25676 has 1 MA's), (Start: 159 @25709 has 217 MA's), (287, 25919), (289, 25922), (323, 25952), (351, 26018), (367, 26042), (372, 26051), (393, 26084), (478, 26237), (495, 26276), (535, 26327), (539, 26339), (543, 26357), (548, 26369), (553, 26381), (562, 26396), (571, 26426), (572, 26429), (579, 26450), (636, 26522), (663, 26570), (699, 26681), (724, 26714), (740, 26753), (743, 26756), (769, 26828), (803, 26894), (809, 26906), (879, 27077), (883, 27089), (885, 27095), (896, 27128), (909, 27155), (917, 27182), (943, 27236), (984, 27353), (990, 27374), (1000, 27401),

Gene: Scamp_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Scamp_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403),

(550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Scarlett_22 Start: 16390, Stop: 18159, Start Num: 171
Candidate Starts for Scarlett_22:
(Start: 146 @16360 has 1 MA's), (Start: 171 @16390 has 28 MA's), (Start: 176 @16396 has 45 MA's), (198, 16423), (Start: 219 @16450 has 2 MA's), (277, 16564), (295, 16615), (329, 16678), (371, 16780), (376, 16786), (417, 16858), (436, 16894), (441, 16903), (465, 16942), (485, 16990), (491, 17008), (509, 17047), (512, 17050), (527, 17065), (534, 17077), (536, 17083), (551, 17125), (557, 17131), (567, 17158), (647, 17296), (656, 17314), (662, 17326), (688, 17404), (724, 17476), (731, 17488), (751, 17536), (774, 17611), (821, 17695), (831, 17728), (833, 17734), (841, 17761), (879, 17845), (881, 17851), (896, 17896), (899, 17902), (948, 17995), (983, 18091), (1004, 18151),

Gene: Schatzie_34 Start: 26625, Stop: 28358, Start Num: 141
Candidate Starts for Schatzie_34:
(Start: 141 @26625 has 37 MA's), (Start: 212 @26715 has 47 MA's), (245, 26763), (258, 26793), (272, 26820), (317, 26922), (334, 26952), (385, 27051), (407, 27087), (409, 27093), (420, 27114), (457, 27186), (464, 27195), (475, 27216), (546, 27285), (566, 27324), (567, 27327), (572, 27342), (591, 27381), (605, 27429), (611, 27441), (614, 27447), (630, 27495), (635, 27504), (650, 27525), (658, 27543), (673, 27591), (713, 27693), (740, 27753), (746, 27765), (819, 27849), (821, 27861), (822, 27867), (827, 27879), (828, 27882), (839, 27921), (844, 27939), (857, 27975), (858, 27981), (885, 28068), (918, 28158), (948, 28200), (958, 28218), (969, 28248), (981, 28290), (998, 28344),

Gene: Scherzo_30 Start: 21782, Stop: 23572, Start Num: 156
Candidate Starts for Scherzo_30:
(Start: 153 @21779 has 9 MA's), (Start: 156 @21782 has 559 MA's), (323, 22016), (325, 22019), (366, 22091), (367, 22094), (376, 22109), (402, 22148), (406, 22154), (465, 22265), (508, 22352), (550, 22433), (556, 22436), (635, 22622), (669, 22685), (675, 22709), (677, 22715), (689, 22748), (731, 22829), (775, 22955), (788, 22997), (821, 23057), (831, 23090), (835, 23105), (866, 23204), (867, 23207), (869, 23219), (899, 23303), (925, 23369), (943, 23408), (945, 23414), (964, 23459), (983, 23516), (984, 23519),

Gene: Schiebel_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Schiebel_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Schmidt_20 Start: 14705, Stop: 16033, Start Num: 303
Candidate Starts for Schmidt_20:
(279, 14639), (288, 14663), (Start: 303 @14705 has 11 MA's), (365, 14813), (378, 14834), (401, 14867), (421, 14909), (445, 14954), (477, 15011), (483, 15029), (533, 15134), (594, 15173), (639, 15227), (646, 15236), (660, 15245), (675, 15290), (714, 15365), (719, 15374), (725, 15392), (747, 15446), (764, 15482), (821, 15578), (889, 15746), (899, 15773), (906, 15788), (933, 15839), (948, 15878), (954, 15893), (965, 15917), (972, 15932), (975, 15950), (995, 16016),

Gene: Schnabeltier_19 Start: 16963, Stop: 18693, Start Num: 148
Candidate Starts for Schnabeltier_19:

(85, 16846), (122, 16930), (Start: 131 @16942 has 1 MA's), (Start: 148 @16963 has 5 MA's), (271, 17134), (Start: 303 @17200 has 11 MA's), (333, 17233), (341, 17254), (448, 17446), (484, 17518), (506, 17560), (535, 17596), (543, 17626), (553, 17650), (570, 17692), (579, 17719), (619, 17776), (622, 17782), (670, 17869), (825, 18229), (832, 18253), (837, 18271), (879, 18367), (948, 18541), (949, 18544), (954, 18556), (981, 18631), (989, 18658),

Gene: Schnauzer_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Schnauzer_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: SchoolBus_56 Start: 33469, Stop: 35205, Start Num: 126
Candidate Starts for SchoolBus_56:
(Start: 120 @33460 has 2 MA's), (Start: 126 @33469 has 26 MA's), (Start: 195 @33559 has 1 MA's), (266, 33676), (282, 33712), (291, 33733), (299, 33760), (301, 33766), (322, 33796), (336, 33820), (363, 33871), (437, 34009), (440, 34015), (472, 34066), (473, 34069), (482, 34087), (558, 34138), (566, 34159), (567, 34162), (589, 34210), (591, 34216), (605, 34264), (607, 34270), (611, 34276), (632, 34336), (648, 34360), (650, 34363), (666, 34408), (671, 34423), (674, 34432), (677, 34441), (693, 34486), (704, 34504), (721, 34537), (812, 34675), (820, 34696), (840, 34762), (848, 34792), (865, 34846), (878, 34888), (885, 34909), (892, 34930), (896, 34942), (907, 34963), (928, 35017), (971, 35095), (980, 35131), (986, 35152), (993, 35179),

Gene: SchottB_33 Start: 30654, Stop: 32417, Start Num: 111
Candidate Starts for SchottB_33:
(Start: 111 @30654 has 74 MA's), (Start: 131 @30690 has 1 MA's), (232, 30819), (238, 30828), (285, 30924), (289, 30933), (340, 31002), (367, 31053), (372, 31062), (395, 31098), (406, 31113), (414, 31131), (448, 31194), (475, 31239), (478, 31248), (541, 31359), (543, 31368), (550, 31383), (562, 31407), (571, 31437), (689, 31659), (695, 31677), (699, 31692), (730, 31734), (731, 31737), (740, 31764), (785, 31884), (879, 32088), (880, 32091), (896, 32139), (909, 32166), (917, 32193), (943, 32247),

Gene: Schuy_57 Start: 33260, Stop: 34996, Start Num: 126
Candidate Starts for Schuy_57:
(Start: 120 @33251 has 2 MA's), (Start: 126 @33260 has 26 MA's), (Start: 195 @33350 has 1 MA's), (266, 33467), (282, 33503), (291, 33524), (299, 33551), (301, 33557), (322, 33587), (336, 33611), (363, 33662), (437, 33800), (440, 33806), (472, 33857), (473, 33860), (482, 33878), (558, 33929), (566, 33950), (567, 33953), (589, 34001), (591, 34007), (605, 34055), (607, 34061), (611, 34067), (632, 34127), (648, 34151), (650, 34154), (666, 34199), (671, 34214), (674, 34223), (677, 34232), (693, 34277), (704, 34295), (721, 34328), (812, 34466), (820, 34487), (840, 34553), (848, 34583), (865, 34637), (878, 34679), (885, 34700), (892, 34721), (896, 34733), (907, 34754), (928, 34808), (971, 34886), (980, 34922), (986, 34943), (993, 34970),

Gene: Scioto_35 Start: 30775, Stop: 32376, Start Num: 201
Candidate Starts for Scioto_35:
(Start: 183 @30754 has 17 MA's), (201, 30775), (210, 30787), (247, 30838), (274, 30901), (300, 30973), (344, 31060), (373, 31111), (390, 31141), (434, 31222), (447, 31249), (567, 31348), (578, 31378), (584, 31387), (596, 31420), (597, 31423), (598, 31426), (601, 31435), (621, 31483), (648,

31531), (651, 31540), (688, 31639), (706, 31678), (713, 31690), (762, 31807), (812, 31846), (826, 31885), (842, 31942), (856, 31981), (858, 31990), (873, 32047), (877, 32059), (896, 32116), (899, 32122), (909, 32143), (919, 32176), (948, 32221), (992, 32350), (994, 32359),

Gene: Scitech_18 Start: 14986, Stop: 16695, Start Num: 147
Candidate Starts for Scitech_18:
(Start: 147 @14986 has 120 MA's), (Start: 171 @15013 has 28 MA's), (Start: 249 @15118 has 2 MA's), (252, 15130), (269, 15166), (290, 15217), (299, 15247), (301, 15253), (320, 15280), (324, 15286), (390, 15406), (419, 15460), (422, 15466), (432, 15484), (437, 15496), (438, 15499), (450, 15520), (475, 15562), (535, 15595), (558, 15646), (564, 15661), (580, 15703), (589, 15718), (591, 15724), (605, 15772), (616, 15796), (625, 15826), (648, 15850), (670, 15910), (674, 15922), (693, 15976), (700, 15985), (727, 16045), (730, 16048), (806, 16153), (810, 16162), (825, 16201), (866, 16339), (918, 16489), (919, 16492), (924, 16501), (944, 16522), (955, 16549), (971, 16585), (998, 16678),

Gene: Scorpia_25 Start: 18949, Stop: 20748, Start Num: 156
Candidate Starts for Scorpia_25:
(Start: 156 @18949 has 559 MA's), (325, 19186), (367, 19261), (376, 19276), (400, 19312), (436, 19384), (445, 19399), (465, 19432), (469, 19438), (567, 19633), (575, 19663), (579, 19669), (615, 19759), (644, 19804), (674, 19873), (689, 19915), (694, 19933), (730, 19993), (731, 19996), (767, 20089), (820, 20230), (831, 20266), (942, 20581), (945, 20590), (992, 20725),

Gene: Scottish_17 Start: 16108, Stop: 17817, Start Num: 142
Candidate Starts for Scottish_17:
(Start: 142 @16108 has 207 MA's), (215, 16195), (Start: 249 @16240 has 2 MA's), (258, 16264), (299, 16369), (301, 16375), (309, 16393), (332, 16423), (390, 16528), (422, 16588), (425, 16597), (437, 16618), (450, 16642), (473, 16678), (475, 16684), (535, 16717), (536, 16720), (539, 16729), (544, 16744), (546, 16750), (558, 16768), (564, 16783), (566, 16789), (572, 16807), (573, 16810), (580, 16825), (582, 16828), (589, 16840), (591, 16846), (605, 16894), (611, 16906), (614, 16912), (648, 16972), (653, 16984), (666, 17020), (670, 17032), (700, 17107), (704, 17116), (713, 17134), (715, 17140), (730, 17170), (806, 17275), (810, 17284), (812, 17287), (825, 17323), (847, 17401), (878, 17500), (885, 17521), (896, 17554), (911, 17584), (913, 17596), (919, 17614), (922, 17620), (924, 17623), (928, 17629), (944, 17644), (945, 17647), (953, 17668), (955, 17671), (973, 17713), (992, 17785), (993, 17791),

Gene: Scout_27 Start: 19207, Stop: 21006, Start Num: 156
Candidate Starts for Scout_27:
(Start: 156 @19207 has 559 MA's), (Start: 204 @19267 has 1 MA's), (254, 19336), (Start: 303 @19438 has 11 MA's), (323, 19450), (325, 19453), (367, 19528), (376, 19543), (379, 19546), (402, 19582), (475, 19717), (508, 19786), (567, 19900), (615, 20026), (674, 20140), (683, 20164), (687, 20176), (689, 20182), (731, 20263), (762, 20338), (767, 20356), (769, 20365), (775, 20389), (777, 20395), (782, 20410), (803, 20452), (819, 20479), (820, 20488), (821, 20491), (828, 20512), (831, 20524), (899, 20737), (943, 20842), (945, 20848), (992, 20983),

Gene: Scowl_28 Start: 21803, Stop: 23605, Start Num: 159
Candidate Starts for Scowl_28:
(Start: 159 @21803 has 217 MA's), (Start: 176 @21824 has 45 MA's), (Start: 204 @21866 has 1 MA's), (237, 21911), (367, 22127), (395, 22172), (402, 22181), (421, 22220), (448, 22271), (449, 22274), (495, 22367), (556, 22469), (581, 22538), (674, 22739), (675, 22742), (683, 22763), (730, 22859), (731, 22862), (733, 22868), (762, 22937), (767, 22955), (769, 22964), (777, 22994), (821, 23090), (831, 23123), (835, 23138), (879, 23279), (899, 23336), (945, 23447),

Gene: Scuba_50 Start: 30760, Stop: 32379, Start Num: 202

Candidate Starts for Scuba_50:
(Start: 202 @30760 has 36 MA's), (214, 30775), (242, 30814), (277, 30874), (417, 31141), (458, 31207), (469, 31222), (485, 31258), (519, 31333), (535, 31363), (536, 31366), (541, 31384), (562, 31423), (571, 31453), (690, 31657), (704, 31687), (728, 31735), (730, 31738), (773, 31861), (785, 31897), (885, 32083), (957, 32236), (980, 32302), (984, 32314), (998, 32359),

Gene: Seabastian_16 Start: 15041, Stop: 16750, Start Num: 142
Candidate Starts for Seabastian_16:
(Start: 142 @15041 has 207 MA's), (215, 15128), (232, 15149), (Start: 249 @15173 has 2 MA's), (258, 15197), (266, 15218), (299, 15302), (301, 15308), (309, 15326), (332, 15356), (390, 15461), (419, 15515), (422, 15521), (432, 15539), (434, 15542), (437, 15551), (450, 15575), (535, 15650), (539, 15662), (544, 15677), (546, 15683), (558, 15701), (564, 15716), (566, 15722), (574, 15749), (580, 15758), (589, 15773), (591, 15779), (605, 15827), (611, 15839), (614, 15845), (648, 15905), (653, 15917), (666, 15953), (670, 15965), (677, 15986), (700, 16040), (704, 16049), (713, 16067), (715, 16073), (730, 16103), (806, 16208), (810, 16217), (812, 16220), (825, 16256), (836, 16295), (847, 16334), (885, 16454), (896, 16487), (911, 16517), (919, 16547), (924, 16556), (928, 16562), (944, 16577), (945, 16580), (953, 16601), (955, 16604), (971, 16640), (973, 16646), (980, 16676), (992, 16718),

Gene: Seabiscuit_29 Start: 21127, Stop: 22929, Start Num: 159
Candidate Starts for Seabiscuit_29:
(Start: 159 @21127 has 217 MA's), (Start: 176 @21148 has 45 MA's), (Start: 204 @21190 has 1 MA's), (237, 21235), (367, 21451), (395, 21496), (402, 21505), (421, 21544), (448, 21595), (449, 21598), (556, 21793), (581, 21862), (674, 22063), (675, 22066), (683, 22087), (730, 22183), (731, 22186), (733, 22192), (762, 22261), (767, 22279), (769, 22288), (777, 22318), (821, 22414), (831, 22447), (835, 22462), (879, 22603), (899, 22660), (945, 22771),

Gene: Seagreen_17 Start: 14650, Stop: 16359, Start Num: 142
Candidate Starts for Seagreen_17:
(Start: 142 @14650 has 207 MA's), (215, 14737), (Start: 249 @14782 has 2 MA's), (258, 14806), (266, 14827), (299, 14911), (301, 14917), (309, 14935), (332, 14965), (390, 15070), (422, 15130), (425, 15139), (432, 15148), (434, 15151), (437, 15160), (447, 15178), (450, 15184), (558, 15310), (564, 15325), (566, 15331), (580, 15367), (582, 15370), (589, 15382), (591, 15388), (605, 15436), (611, 15448), (614, 15454), (648, 15514), (653, 15526), (666, 15562), (670, 15574), (700, 15649), (704, 15658), (713, 15676), (715, 15682), (730, 15712), (806, 15817), (810, 15826), (812, 15829), (825, 15865), (844, 15931), (847, 15943), (878, 16042), (885, 16063), (896, 16096), (911, 16126), (919, 16156), (924, 16165), (928, 16171), (944, 16186), (945, 16189), (955, 16213), (968, 16243), (973, 16255), (980, 16285), (992, 16327),

Gene: Seanderson_28 Start: 21601, Stop: 23403, Start Num: 159
Candidate Starts for Seanderson_28:
(Start: 159 @21601 has 217 MA's), (Start: 176 @21622 has 45 MA's), (Start: 204 @21664 has 1 MA's), (237, 21709), (367, 21925), (395, 21970), (402, 21979), (421, 22018), (448, 22069), (449, 22072), (556, 22267), (581, 22336), (674, 22537), (675, 22540), (683, 22561), (730, 22657), (731, 22660), (733, 22666), (762, 22735), (767, 22753), (769, 22762), (777, 22792), (821, 22888), (831, 22921), (835, 22936), (844, 22966), (879, 23077), (899, 23134), (945, 23245),

Gene: Sedona_35 Start: 31913, Stop: 33676, Start Num: 111
Candidate Starts for Sedona_35:
(104, 31895), (Start: 111 @31913 has 74 MA's), (Start: 131 @31949 has 1 MA's), (238, 32087), (285, 32183), (289, 32192), (340, 32261), (367, 32312), (395, 32357), (406, 32372), (448, 32453), (475, 32498), (478, 32507), (535, 32597), (543, 32627), (550, 32642), (562, 32666), (571, 32696), (641, 32801), (689, 32918), (695, 32936), (699, 32951), (723, 32981), (730, 32993), (731, 32996), (740,

33023), (878, 33344), (879, 33347), (880, 33350), (896, 33398), (909, 33425), (917, 33452), (943, 33506), (951, 33530), (952, 33533), (984, 33623), (1000, 33671),

Gene: Sekhmet_20 Start: 17697, Stop: 19277, Start Num: 213
Candidate Starts for Sekhmet_20:
(123, 17580), (Start: 213 @17697 has 53 MA's), (358, 17955), (369, 17976), (406, 18030), (423, 18069), (455, 18126), (469, 18147), (585, 18318), (592, 18336), (606, 18360), (631, 18381), (663, 18423), (691, 18504), (730, 18594), (768, 18696), (769, 18699), (784, 18753), (863, 18891), (910, 19023), (948, 19122), (951, 19131), (965, 19161),

Gene: SemperFi_30 Start: 20535, Stop: 22307, Start Num: 156
Candidate Starts for SemperFi_30:
(110, 20469), (Start: 136 @20511 has 48 MA's), (Start: 156 @20535 has 559 MA's), (238, 20634), (281, 20718), (323, 20769), (325, 20772), (366, 20844), (367, 20847), (402, 20901), (421, 20940), (445, 20985), (465, 21018), (508, 21105), (550, 21186), (556, 21189), (675, 21462), (775, 21708), (808, 21762), (831, 21825), (835, 21840), (837, 21846), (855, 21900), (866, 21939), (869, 21954), (899, 22038), (934, 22119), (945, 22149), (992, 22284),

Gene: SenorClean_26 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for SenorClean_26:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Sephiroth_28 Start: 21951, Stop: 23702, Start Num: 167
Candidate Starts for Sephiroth_28:
(Start: 149 @21936 has 1 MA's), (Start: 167 @21951 has 22 MA's), (Start: 181 @21972 has 15 MA's), (184, 21975), (223, 22032), (238, 22053), (241, 22059), (Start: 260 @22086 has 1 MA's), (270, 22104), (274, 22113), (275, 22116), (296, 22176), (342, 22251), (350, 22272), (366, 22311), (445, 22455), (478, 22515), (479, 22521), (485, 22536), (508, 22575), (546, 22644), (552, 22653), (562, 22668), (564, 22677), (572, 22701), (579, 22722), (602, 22776), (622, 22794), (668, 22875), (670, 22887), (678, 22911), (731, 23025), (771, 23133), (778, 23157), (808, 23184), (826, 23229), (860, 23304), (862, 23310), (881, 23370), (899, 23421), (914, 23457), (943, 23508), (945, 23514), (954, 23538), (964, 23577), (971, 23592), (977, 23619), (986, 23649), (990, 23661), (1002, 23691),

Gene: Serenity_27 Start: 19141, Stop: 20931, Start Num: 156
Candidate Starts for Serenity_27:
(Start: 136 @19117 has 48 MA's), (Start: 156 @19141 has 559 MA's), (269, 19294), (323, 19375), (325, 19378), (366, 19450), (367, 19453), (402, 19507), (406, 19513), (414, 19531), (445, 19591), (465, 19624), (469, 19630), (484, 19669), (508, 19711), (550, 19792), (556, 19795), (575, 19855), (635, 19981), (674, 20065), (689, 20107), (712, 20158), (731, 20188), (775, 20314), (803, 20377), (831, 20449), (835, 20464), (842, 20488), (866, 20563), (869, 20578), (899, 20662), (943, 20767), (945, 20773), (951, 20791), (964, 20818), (968, 20827),

Gene: Severus_26 Start: 17888, Stop: 19666, Start Num: 156
Candidate Starts for Severus_26:
(Start: 136 @17864 has 48 MA's), (Start: 156 @17888 has 559 MA's), (Start: 204 @17945 has 1 MA's), (215, 17960), (254, 18014), (323, 18128), (325, 18131), (367, 18206), (391, 18245), (465, 18377), (508, 18464), (546, 18539), (567, 18578), (581, 18617), (615, 18704), (644, 18749), (674,

18818), (683, 18842), (687, 18854), (689, 18860), (767, 19034), (769, 19043), (775, 19067), (777, 19073), (782, 19088), (808, 19121), (828, 19172), (844, 19229), (845, 19235), (899, 19397), (943, 19502), (945, 19508), (948, 19517), (992, 19643),

Gene: SgtBeansprout_19 Start: 16697, Stop: 18463, Start Num: 178
Candidate Starts for SgtBeansprout_19:
(Start: 178 @16697 has 139 MA's), (Start: 181 @16703 has 15 MA's), (198, 16727), (272, 16853), (277, 16868), (284, 16886), (311, 16949), (371, 17084), (376, 17090), (436, 17198), (441, 17207), (491, 17312), (534, 17381), (536, 17387), (547, 17423), (557, 17435), (579, 17498), (647, 17600), (656, 17618), (670, 17660), (671, 17663), (721, 17768), (751, 17840), (784, 17948), (786, 17954), (821, 17999), (837, 18053), (853, 18074), (879, 18149), (896, 18200), (948, 18299), (954, 18314), (971, 18350), (983, 18395), (993, 18434), (994, 18437), (1004, 18455),

Gene: ShaboiShabazz_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for ShaboiShabazz_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Shaboozey_28 Start: 23259, Stop: 24992, Start Num: 141
Candidate Starts for Shaboozey_28:
(Start: 141 @23259 has 37 MA's), (Start: 212 @23349 has 47 MA's), (215, 23352), (272, 23454), (296, 23520), (317, 23556), (334, 23586), (340, 23601), (385, 23685), (407, 23721), (420, 23748), (438, 23787), (457, 23820), (464, 23829), (536, 23886), (552, 23928), (586, 24003), (591, 24015), (611, 24075), (630, 24129), (650, 24159), (658, 24177), (662, 24186), (671, 24219), (675, 24231), (677, 24237), (691, 24276), (715, 24333), (819, 24483), (822, 24501), (835, 24543), (842, 24567), (843, 24570), (847, 24585), (858, 24615), (867, 24645), (885, 24702), (958, 24852), (994, 24972), (998, 24978),

Gene: Shadow1_21 Start: 16214, Stop: 17980, Start Num: 178
Candidate Starts for Shadow1_21:
(Start: 171 @16205 has 28 MA's), (Start: 178 @16214 has 139 MA's), (198, 16244), (272, 16370), (277, 16385), (284, 16403), (295, 16436), (311, 16466), (335, 16511), (371, 16601), (395, 16637), (441, 16724), (491, 16829), (492, 16832), (534, 16898), (536, 16904), (551, 16946), (557, 16952), (656, 17135), (676, 17195), (724, 17297), (731, 17309), (751, 17357), (774, 17432), (782, 17456), (821, 17516), (832, 17552), (841, 17582), (879, 17666), (896, 17717), (899, 17723), (948, 17816), (993, 17951), (994, 17954), (1004, 17972),

Gene: Shaka_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Shaka_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (430, 20256), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Sham4_28 Start: 20752, Stop: 22551, Start Num: 156
Candidate Starts for Sham4_28:

(110, 20686), (Start: 136 @20728 has 48 MA's), (Start: 156 @20752 has 559 MA's), (Start: 196 @20794 has 2 MA's), (Start: 260 @20890 has 1 MA's), (269, 20905), (323, 20986), (325, 20989), (367, 21064), (376, 21079), (402, 21118), (406, 21124), (430, 21175), (465, 21235), (469, 21241), (508, 21322), (556, 21406), (603, 21532), (609, 21550), (622, 21577), (689, 21718), (723, 21784), (730, 21796), (731, 21799), (800, 21988), (813, 22015), (819, 22024), (824, 22045), (825, 22048), (831, 22069), (835, 22084), (842, 22108), (866, 22183), (869, 22198), (899, 22282), (943, 22387), (945, 22393), (968, 22447), (1000, 22546),

Gene: ShamWow_24 Start: 19746, Stop: 21425, Start Num: 147
Candidate Starts for ShamWow_24:
(Start: 147 @19746 has 120 MA's), (Start: 212 @19830 has 47 MA's), (Start: 260 @19908 has 1 MA's), (296, 19995), (301, 20010), (332, 20058), (349, 20097), (405, 20184), (420, 20217), (437, 20253), (454, 20283), (457, 20289), (538, 20358), (561, 20388), (565, 20400), (566, 20403), (591, 20460), (650, 20592), (651, 20598), (675, 20664), (677, 20670), (686, 20694), (704, 20742), (715, 20766), (721, 20775), (754, 20850), (810, 20901), (819, 20916), (867, 21078), (875, 21105), (885, 21135), (926, 21240), (971, 21318), (980, 21354), (983, 21363), (992, 21396), (998, 21411),

Gene: Shaobing_23 Start: 16514, Stop: 18280, Start Num: 178
Candidate Starts for Shaobing_23:
(Start: 171 @16505 has 28 MA's), (Start: 178 @16514 has 139 MA's), (Start: 181 @16520 has 15 MA's), (198, 16544), (228, 16583), (272, 16670), (277, 16685), (284, 16703), (295, 16736), (311, 16766), (371, 16901), (395, 16937), (436, 17015), (441, 17024), (491, 17129), (492, 17132), (512, 17171), (534, 17198), (536, 17204), (551, 17246), (557, 17252), (567, 17279), (647, 17417), (656, 17435), (688, 17525), (702, 17552), (721, 17585), (751, 17657), (769, 17711), (779, 17747), (786, 17771), (821, 17816), (831, 17849), (835, 17864), (841, 17882), (853, 17891), (879, 17966), (896, 18017), (899, 18023), (951, 18125), (993, 18251), (994, 18254), (1004, 18272),

Gene: Shapes_31 Start: 19855, Stop: 21633, Start Num: 156
Candidate Starts for Shapes_31:
(Start: 156 @19855 has 559 MA's), (Start: 204 @19912 has 1 MA's), (215, 19927), (238, 19960), (254, 19981), (Start: 303 @20083 has 11 MA's), (323, 20095), (325, 20098), (367, 20173), (376, 20188), (402, 20227), (465, 20344), (475, 20362), (508, 20431), (540, 20485), (546, 20506), (567, 20545), (581, 20584), (615, 20671), (644, 20716), (669, 20764), (674, 20785), (683, 20809), (687, 20821), (689, 20827), (731, 20908), (767, 21001), (769, 21010), (775, 21034), (777, 21040), (782, 21055), (808, 21088), (828, 21139), (833, 21157), (845, 21202), (899, 21364), (911, 21388), (912, 21394), (943, 21469), (945, 21475), (948, 21484), (971, 21535), (992, 21610),

Gene: Shauna1_16 Start: 14859, Stop: 16568, Start Num: 142
Candidate Starts for Shauna1_16:
(Start: 142 @14859 has 207 MA's), (215, 14946), (Start: 249 @14991 has 2 MA's), (258, 15015), (299, 15120), (301, 15126), (309, 15144), (332, 15174), (390, 15279), (422, 15339), (434, 15360), (437, 15369), (450, 15393), (535, 15468), (536, 15471), (558, 15519), (564, 15534), (566, 15540), (580, 15576), (582, 15579), (589, 15591), (591, 15597), (605, 15645), (611, 15657), (614, 15663), (648, 15723), (653, 15735), (666, 15771), (670, 15783), (700, 15858), (704, 15867), (713, 15885), (715, 15891), (730, 15921), (806, 16026), (810, 16035), (812, 16038), (825, 16074), (847, 16152), (878, 16251), (885, 16272), (896, 16305), (911, 16335), (919, 16365), (924, 16374), (928, 16380), (944, 16395), (945, 16398), (955, 16422), (968, 16452), (973, 16464), (980, 16494), (992, 16536),

Gene: ShawBrad_20 Start: 16436, Stop: 18133, Start Num: 156
Candidate Starts for ShawBrad_20:
(122, 16397), (Start: 156 @16436 has 559 MA's), (Start: 169 @16448 has 3 MA's), (223, 16526), (238, 16547), (266, 16595), (271, 16604), (286, 16646), (323, 16682), (346, 16739), (377, 16787), (393, 16814), (495, 17012), (506, 17030), (522, 17039), (525, 17045), (543, 17093), (557, 17123), (570,

17159), (579, 17186), (581, 17189), (602, 17240), (637, 17270), (654, 17297), (666, 17324), (691, 17396), (710, 17435), (743, 17489), (761, 17531), (783, 17606), (824, 17669), (832, 17696), (833, 17699), (837, 17714), (875, 17798), (878, 17807), (879, 17810), (881, 17816), (885, 17828), (887, 17831), (897, 17861), (900, 17867), (909, 17888), (911, 17891), (933, 17945), (945, 17975), (948, 17984), (970, 18035), (980, 18068), (984, 18080), (989, 18098),

Gene: ShayRa_31 Start: 19215, Stop: 21002, Start Num: 156
Candidate Starts for ShayRa_31:
(110, 19149), (Start: 136 @19191 has 48 MA's), (Start: 156 @19215 has 559 MA's), (Start: 260 @19353 has 1 MA's), (285, 19410), (325, 19452), (344, 19488), (367, 19527), (409, 19596), (421, 19620), (449, 19674), (536, 19824), (556, 19869), (567, 19899), (579, 19935), (600, 19986), (613, 20022), (644, 20070), (671, 20130), (730, 20259), (762, 20337), (835, 20538), (837, 20544), (867, 20640), (929, 20805), (971, 20904),

Gene: SheaKeira_28 Start: 19728, Stop: 21518, Start Num: 156
Candidate Starts for SheaKeira_28:
(110, 19662), (Start: 136 @19704 has 48 MA's), (Start: 156 @19728 has 559 MA's), (323, 19962), (325, 19965), (366, 20037), (367, 20040), (376, 20055), (379, 20058), (402, 20094), (406, 20100), (448, 20184), (465, 20211), (469, 20217), (508, 20298), (546, 20373), (550, 20379), (556, 20382), (575, 20442), (581, 20451), (669, 20631), (689, 20694), (712, 20745), (731, 20775), (737, 20793), (775, 20901), (821, 21003), (824, 21012), (835, 21051), (842, 21075), (866, 21150), (869, 21165), (899, 21249), (943, 21354), (945, 21360), (983, 21462),

Gene: SheckWes_17 Start: 15415, Stop: 17109, Start Num: 151
Candidate Starts for SheckWes_17:
(Start: 141 @15412 has 37 MA's), (Start: 151 @15415 has 50 MA's), (235, 15514), (259, 15556), (271, 15577), (340, 15694), (400, 15796), (445, 15883), (462, 15913), (477, 15940), (495, 15985), (508, 16003), (525, 16018), (534, 16033), (553, 16090), (567, 16123), (571, 16135), (620, 16222), (635, 16240), (652, 16270), (666, 16300), (671, 16315), (688, 16363), (707, 16414), (731, 16450), (736, 16465), (744, 16483), (767, 16540), (832, 16669), (835, 16681), (878, 16780), (879, 16783), (885, 16801), (914, 16879), (925, 16906), (945, 16948), (994, 17095), (998, 17101),

Gene: ShedlockHolmes_22 Start: 17576, Stop: 19339, Start Num: 178
Candidate Starts for ShedlockHolmes_22:
(Start: 171 @17567 has 28 MA's), (Start: 178 @17576 has 139 MA's), (Start: 195 @17588 has 1 MA's), (255, 17678), (277, 17735), (295, 17786), (311, 17816), (325, 17840), (436, 18071), (441, 18080), (448, 18092), (488, 18173), (491, 18185), (492, 18188), (536, 18260), (539, 18269), (551, 18302), (557, 18308), (571, 18347), (587, 18383), (647, 18473), (671, 18536), (682, 18566), (707, 18623), (751, 18716), (816, 18854), (821, 18872), (835, 18920), (851, 18944), (863, 18971), (881, 19028), (896, 19073), (948, 19175), (980, 19262), (983, 19271), (989, 19292), (993, 19310), (996, 19316), (1004, 19331),

Gene: Sheen_29 Start: 22979, Stop: 24781, Start Num: 156
Candidate Starts for Sheen_29:
(Start: 144 @22967 has 2 MA's), (Start: 156 @22979 has 559 MA's), (Start: 204 @23027 has 1 MA's), (217, 23045), (323, 23210), (325, 23213), (367, 23288), (376, 23303), (402, 23342), (469, 23465), (473, 23471), (484, 23504), (508, 23546), (575, 23690), (636, 23816), (674, 23897), (689, 23939), (706, 23987), (730, 24035), (731, 24038), (762, 24113), (767, 24131), (769, 24140), (775, 24164), (777, 24170), (820, 24263), (821, 24266), (831, 24299), (835, 24314), (879, 24455), (934, 24593), (943, 24617), (945, 24623), (984, 24728),

Gene: SheldonCooper_28 Start: 20139, Stop: 21920, Start Num: 156
Candidate Starts for SheldonCooper_28:

(Start: 136 @20115 has 48 MA's), (Start: 156 @20139 has 559 MA's), (Start: 162 @20145 has 5 MA's), (Start: 204 @20199 has 1 MA's), (215, 20214), (254, 20268), (Start: 260 @20286 has 1 MA's), (Start: 303 @20370 has 11 MA's), (323, 20382), (325, 20385), (367, 20460), (376, 20475), (402, 20514), (465, 20631), (508, 20718), (550, 20799), (572, 20847), (581, 20871), (615, 20958), (644, 21003), (675, 21075), (683, 21096), (689, 21114), (731, 21195), (762, 21270), (767, 21288), (769, 21297), (775, 21321), (777, 21327), (784, 21351), (819, 21393), (821, 21405), (828, 21426), (842, 21477), (850, 21501), (867, 21555), (899, 21651), (943, 21756), (948, 21771), (987, 21879), (992, 21897),

Gene: Sheng711_18 Start: 16572, Stop: 18335, Start Num: 136
Candidate Starts for Sheng711_18:
(Start: 136 @16572 has 48 MA's), (246, 16713), (295, 16821), (296, 16824), (412, 17022), (414, 17025), (419, 17037), (430, 17058), (484, 17166), (501, 17196), (562, 17304), (572, 17337), (575, 17352), (588, 17373), (674, 17529), (695, 17592), (716, 17634), (724, 17643), (731, 17655), (746, 17697), (764, 17733), (826, 17859), (835, 17892), (878, 17994), (881, 18003), (888, 18021), (896, 18048), (919, 18105), (943, 18144), (951, 18168), (963, 18204), (969, 18219), (977, 18249), (985, 18276), (989, 18288), (994, 18309),

Gene: ShereKhan_26 Start: 20729, Stop: 22408, Start Num: 147
Candidate Starts for ShereKhan_26:
(Start: 147 @20729 has 120 MA's), (Start: 212 @20813 has 47 MA's), (Start: 260 @20891 has 1 MA's), (296, 20978), (301, 20993), (332, 21041), (349, 21080), (405, 21167), (420, 21200), (437, 21236), (454, 21266), (457, 21272), (538, 21341), (561, 21371), (565, 21383), (566, 21386), (591, 21443), (650, 21575), (651, 21581), (675, 21647), (677, 21653), (686, 21677), (704, 21725), (715, 21749), (721, 21758), (754, 21833), (810, 21884), (819, 21899), (867, 22061), (875, 22088), (885, 22118), (926, 22223), (971, 22301), (980, 22337), (983, 22346), (992, 22379), (998, 22394),

Gene: ShiLan_16 Start: 14812, Stop: 16521, Start Num: 142
Candidate Starts for ShiLan_16:
(Start: 142 @14812 has 207 MA's), (215, 14899), (Start: 249 @14944 has 2 MA's), (258, 14968), (299, 15073), (301, 15079), (309, 15097), (332, 15127), (390, 15232), (419, 15286), (422, 15292), (425, 15301), (437, 15322), (450, 15346), (473, 15382), (475, 15388), (535, 15421), (536, 15424), (539, 15433), (544, 15448), (546, 15454), (558, 15472), (564, 15487), (566, 15493), (572, 15511), (573, 15514), (580, 15529), (589, 15544), (591, 15550), (605, 15598), (611, 15610), (614, 15616), (648, 15676), (653, 15688), (666, 15724), (670, 15736), (700, 15811), (704, 15820), (713, 15838), (715, 15844), (730, 15874), (806, 15979), (812, 15991), (825, 16027), (847, 16105), (885, 16225), (896, 16258), (911, 16288), (913, 16300), (919, 16318), (922, 16324), (924, 16327), (928, 16333), (944, 16348), (945, 16351), (953, 16372), (955, 16375), (973, 16417), (980, 16447), (992, 16489), (993, 16495),

Gene: ShiaSurprise_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for ShiaSurprise_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Shida_56 Start: 33167, Stop: 34903, Start Num: 126
Candidate Starts for Shida_56:
(Start: 120 @33158 has 2 MA's), (Start: 126 @33167 has 26 MA's), (Start: 195 @33257 has 1 MA's), (266, 33374), (282, 33410), (291, 33431), (299, 33458), (301, 33464), (322, 33494), (336, 33518),

(363, 33569), (437, 33707), (440, 33713), (472, 33764), (473, 33767), (482, 33785), (558, 33836), (566, 33857), (567, 33860), (589, 33908), (591, 33914), (605, 33962), (607, 33968), (611, 33974), (632, 34034), (648, 34058), (650, 34061), (666, 34106), (671, 34121), (674, 34130), (677, 34139), (693, 34184), (704, 34202), (721, 34235), (812, 34373), (820, 34394), (840, 34460), (848, 34490), (865, 34544), (878, 34586), (885, 34607), (892, 34628), (896, 34640), (907, 34661), (928, 34715), (971, 34793), (980, 34829), (986, 34850), (993, 34877),

Gene: Shinji_31 Start: 25793, Stop: 27601, Start Num: 93
Candidate Starts for Shinji_31:
(93, 25793), (Start: 111 @25835 has 74 MA's), (Start: 131 @25871 has 1 MA's), (Start: 159 @25904 has 217 MA's), (287, 26114), (289, 26117), (323, 26147), (351, 26213), (367, 26237), (372, 26246), (393, 26279), (478, 26432), (495, 26471), (535, 26522), (539, 26534), (543, 26552), (548, 26564), (553, 26576), (562, 26591), (571, 26621), (572, 26624), (579, 26645), (636, 26717), (663, 26765), (699, 26876), (724, 26909), (740, 26948), (743, 26951), (769, 27023), (803, 27089), (809, 27101), (879, 27272), (880, 27275), (896, 27323), (909, 27350), (917, 27377), (919, 27383), (943, 27431), (984, 27548), (990, 27569), (1000, 27596),

Gene: Shipwreck_18 Start: 16086, Stop: 17822, Start Num: 137
Candidate Starts for Shipwreck_18:
(Start: 121 @16062 has 6 MA's), (Start: 137 @16086 has 45 MA's), (Start: 186 @16146 has 1 MA's), (198, 16167), (201, 16170), (274, 16290), (290, 16329), (300, 16362), (317, 16386), (382, 16506), (405, 16545), (407, 16551), (447, 16635), (450, 16641), (457, 16653), (473, 16677), (485, 16704), (538, 16722), (555, 16761), (558, 16767), (567, 16791), (591, 16845), (594, 16857), (597, 16866), (621, 16926), (658, 17004), (670, 17043), (682, 17076), (704, 17142), (711, 17157), (715, 17166), (726, 17190), (740, 17220), (746, 17232), (822, 17334), (827, 17346), (828, 17349), (830, 17355), (832, 17364), (865, 17472), (892, 17556), (937, 17655), (983, 17763), (998, 17811),

Gene: Shivanishola_36 Start: 30875, Stop: 32638, Start Num: 111
Candidate Starts for Shivanishola_36:
(104, 30857), (Start: 111 @30875 has 74 MA's), (Start: 131 @30911 has 1 MA's), (238, 31049), (285, 31145), (289, 31154), (340, 31223), (367, 31274), (395, 31319), (406, 31334), (448, 31415), (475, 31460), (478, 31469), (535, 31559), (543, 31589), (550, 31604), (562, 31628), (571, 31658), (641, 31763), (689, 31880), (695, 31898), (699, 31913), (723, 31943), (730, 31955), (731, 31958), (740, 31985), (879, 32309), (880, 32312), (896, 32360), (909, 32387), (917, 32414), (943, 32468), (952, 32495), (994, 32624),

Gene: Shlim410_20 Start: 17902, Stop: 19482, Start Num: 213
Candidate Starts for Shlim410_20:
(123, 17785), (Start: 213 @17902 has 53 MA's), (358, 18160), (369, 18181), (406, 18235), (423, 18274), (455, 18331), (469, 18352), (585, 18523), (592, 18541), (606, 18565), (631, 18586), (663, 18628), (691, 18709), (730, 18799), (751, 18850), (768, 18901), (769, 18904), (784, 18958), (836, 19048), (948, 19327), (951, 19336), (965, 19366),

Gene: ShortQueendom_26 Start: 21062, Stop: 22843, Start Num: 176
Candidate Starts for ShortQueendom_26:
(Start: 159 @21041 has 217 MA's), (Start: 176 @21062 has 45 MA's), (Start: 204 @21104 has 1 MA's), (237, 21149), (367, 21365), (395, 21410), (402, 21419), (421, 21458), (448, 21509), (449, 21512), (556, 21707), (581, 21776), (674, 21977), (675, 21980), (683, 22001), (730, 22097), (731, 22100), (733, 22106), (762, 22175), (767, 22193), (769, 22202), (777, 22232), (821, 22328), (831, 22361), (835, 22376), (879, 22517), (899, 22574), (945, 22685),

Gene: ShowerHandel_16 Start: 14813, Stop: 16522, Start Num: 142
Candidate Starts for ShowerHandel_16:

(Start: 142 @14813 has 207 MA's), (215, 14900), (Start: 249 @14945 has 2 MA's), (258, 14969), (299, 15074), (301, 15080), (309, 15098), (332, 15128), (390, 15233), (419, 15287), (422, 15293), (425, 15302), (437, 15323), (450, 15347), (473, 15383), (475, 15389), (535, 15422), (536, 15425), (539, 15434), (544, 15449), (546, 15455), (558, 15473), (564, 15488), (566, 15494), (572, 15512), (573, 15515), (580, 15530), (589, 15545), (591, 15551), (605, 15599), (611, 15611), (614, 15617), (648, 15677), (653, 15689), (666, 15725), (670, 15737), (700, 15812), (704, 15821), (713, 15839), (715, 15845), (730, 15875), (806, 15980), (812, 15992), (825, 16028), (847, 16106), (885, 16226), (896, 16259), (911, 16289), (913, 16301), (919, 16319), (922, 16325), (924, 16328), (928, 16334), (944, 16349), (945, 16352), (953, 16373), (955, 16376), (973, 16418), (980, 16448), (992, 16490), (993, 16496),

Gene: ShrimpFriedEgg_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for ShrimpFriedEgg_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: ShroomBoi_16 Start: 14841, Stop: 16550, Start Num: 142
Candidate Starts for ShroomBoi_16:
(Start: 142 @14841 has 207 MA's), (215, 14928), (Start: 249 @14973 has 2 MA's), (258, 14997), (299, 15102), (301, 15108), (309, 15126), (332, 15156), (390, 15261), (422, 15321), (434, 15342), (437, 15351), (450, 15375), (558, 15501), (564, 15516), (566, 15522), (580, 15558), (582, 15561), (589, 15573), (591, 15579), (605, 15627), (611, 15639), (614, 15645), (648, 15705), (653, 15717), (666, 15753), (670, 15765), (700, 15840), (704, 15849), (713, 15867), (715, 15873), (730, 15903), (806, 16008), (810, 16017), (812, 16020), (825, 16056), (847, 16134), (878, 16233), (885, 16254), (896, 16287), (911, 16317), (919, 16347), (922, 16353), (924, 16356), (928, 16362), (944, 16377), (945, 16380), (953, 16401), (973, 16446), (980, 16476), (992, 16518), (993, 16524),

Gene: Shuman_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Shuman_23:
(Start: 171 @16334 has 28 MA's), (Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (525, 16910), (534, 16925), (535, 16928), (546, 16967), (556, 16976), (590, 17060), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (778, 17453), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Shweta_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for Shweta_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: Shygu2_27 Start: 19817, Stop: 21616, Start Num: 156

Candidate Starts for Shygu2_27:
(Start: 136 @19793 has 48 MA's), (Start: 156 @19817 has 559 MA's), (Start: 162 @19823 has 5 MA's), (Start: 204 @19877 has 1 MA's), (254, 19946), (286, 20024), (Start: 303 @20048 has 11 MA's), (323, 20060), (325, 20063), (344, 20099), (367, 20138), (376, 20153), (402, 20192), (449, 20285), (465, 20309), (508, 20396), (581, 20549), (615, 20636), (644, 20681), (674, 20750), (683, 20774), (687, 20786), (731, 20873), (762, 20948), (767, 20966), (769, 20975), (775, 20999), (777, 21005), (782, 21020), (800, 21053), (820, 21098), (821, 21101), (828, 21122), (899, 21347), (933, 21425), (943, 21452), (945, 21458), (992, 21593),

Gene: SiSi_16 Start: 14795, Stop: 16504, Start Num: 142
Candidate Starts for SiSi_16:
(Start: 142 @14795 has 207 MA's), (215, 14882), (Start: 249 @14927 has 2 MA's), (258, 14951), (282, 15008), (299, 15056), (301, 15062), (309, 15080), (332, 15110), (390, 15215), (419, 15269), (422, 15275), (425, 15284), (434, 15296), (437, 15305), (450, 15329), (473, 15365), (475, 15371), (482, 15383), (535, 15404), (536, 15407), (539, 15416), (544, 15431), (546, 15437), (558, 15455), (564, 15470), (566, 15476), (572, 15494), (573, 15497), (580, 15512), (589, 15527), (591, 15533), (600, 15563), (605, 15581), (611, 15593), (614, 15599), (648, 15659), (653, 15671), (666, 15707), (670, 15719), (677, 15740), (700, 15794), (704, 15803), (715, 15827), (730, 15857), (806, 15962), (812, 15974), (825, 16010), (836, 16049), (847, 16088), (878, 16187), (885, 16208), (896, 16241), (911, 16271), (919, 16301), (924, 16310), (928, 16316), (944, 16331), (945, 16334), (953, 16355), (955, 16358), (973, 16400), (980, 16430), (992, 16472), (993, 16478),

Gene: Sibs6_29 Start: 21686, Stop: 23488, Start Num: 159
Candidate Starts for Sibs6_29:
(Start: 159 @21686 has 217 MA's), (Start: 176 @21707 has 45 MA's), (Start: 204 @21749 has 1 MA's), (237, 21794), (367, 22010), (395, 22055), (402, 22064), (421, 22103), (448, 22154), (449, 22157), (556, 22352), (581, 22421), (674, 22622), (675, 22625), (683, 22646), (730, 22742), (731, 22745), (733, 22751), (762, 22820), (767, 22838), (769, 22847), (777, 22877), (821, 22973), (831, 23006), (835, 23021), (879, 23162), (899, 23219), (945, 23330),

Gene: Sidious_19 Start: 17289, Stop: 18887, Start Num: 213
Candidate Starts for Sidious_19:
(72, 16992), (83, 17067), (89, 17088), (Start: 213 @17289 has 53 MA's), (291, 17409), (356, 17538), (358, 17547), (367, 17565), (369, 17568), (406, 17622), (479, 17766), (483, 17775), (509, 17838), (526, 17874), (528, 17877), (585, 17910), (613, 17967), (663, 18033), (700, 18144), (714, 18168), (730, 18204), (768, 18306), (784, 18363), (836, 18453), (933, 18693), (965, 18771),

Gene: Silvafighter_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Silvafighter_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: SilverChicken_19 Start: 13744, Stop: 15408, Start Num: 159
Candidate Starts for SilverChicken_19:
(Start: 159 @13744 has 217 MA's), (221, 13825), (241, 13855), (256, 13876), (Start: 260 @13888 has 1 MA's), (289, 13954), (327, 13993), (333, 14005), (342, 14029), (374, 14086), (377, 14089), (391, 14113), (395, 14119), (397, 14122), (421, 14167), (430, 14185), (449, 14221), (508, 14332), (536,

14368), (543, 14395), (548, 14407), (550, 14410), (567, 14452), (571, 14464), (579, 14488), (622, 14542), (674, 14641), (714, 14734), (731, 14761), (735, 14773), (764, 14824), (767, 14839), (801, 14893), (819, 14920), (879, 15082), (880, 15085), (881, 15088), (925, 15205), (945, 15247), (976, 15331), (990, 15376), (994, 15394),

Gene: Silverleaf_18 Start: 16746, Stop: 18515, Start Num: 136
Candidate Starts for Silverleaf_18:
(Start: 103 @16683 has 1 MA's), (Start: 111 @16704 has 74 MA's), (Start: 119 @16719 has 3 MA's), (Start: 136 @16746 has 48 MA's), (207, 16839), (241, 16887), (246, 16893), (265, 16920), (266, 16923), (269, 16929), (295, 17001), (298, 17010), (318, 17034), (327, 17049), (342, 17079), (414, 17205), (417, 17214), (427, 17235), (435, 17250), (475, 17319), (488, 17355), (501, 17376), (542, 17445), (562, 17484), (636, 17622), (644, 17634), (674, 17709), (676, 17715), (683, 17733), (695, 17772), (712, 17805), (716, 17814), (724, 17823), (730, 17832), (731, 17835), (774, 17955), (785, 17991), (826, 18039), (830, 18051), (858, 18105), (888, 18201), (893, 18219), (895, 18225), (896, 18228), (912, 18261), (919, 18285), (951, 18348), (965, 18390), (977, 18429), (983, 18447), (989, 18468), (994, 18489),

Gene: Silvy_18 Start: 14990, Stop: 16699, Start Num: 147
Candidate Starts for Silvy_18:
(Start: 147 @14990 has 120 MA's), (Start: 171 @15017 has 28 MA's), (Start: 249 @15122 has 2 MA's), (252, 15134), (269, 15170), (290, 15221), (299, 15251), (301, 15257), (320, 15284), (324, 15290), (390, 15410), (419, 15464), (422, 15470), (432, 15488), (437, 15500), (438, 15503), (450, 15524), (475, 15566), (535, 15599), (558, 15650), (564, 15665), (580, 15707), (589, 15722), (591, 15728), (605, 15776), (616, 15800), (625, 15830), (648, 15854), (670, 15914), (674, 15926), (693, 15980), (700, 15989), (727, 16049), (730, 16052), (806, 16157), (810, 16166), (825, 16205), (866, 16343), (918, 16493), (919, 16496), (924, 16505), (944, 16526), (955, 16553), (971, 16589), (998, 16682),

Gene: Simpliphy_25 Start: 19491, Stop: 21170, Start Num: 147
Candidate Starts for Simpliphy_25:
(Start: 147 @19491 has 120 MA's), (Start: 212 @19575 has 47 MA's), (Start: 260 @19653 has 1 MA's), (296, 19740), (301, 19755), (332, 19803), (349, 19842), (405, 19929), (420, 19962), (437, 19998), (454, 20028), (457, 20034), (538, 20103), (561, 20133), (565, 20145), (566, 20148), (591, 20205), (650, 20337), (651, 20343), (675, 20409), (677, 20415), (686, 20439), (704, 20487), (715, 20511), (721, 20520), (754, 20595), (810, 20646), (819, 20661), (867, 20823), (875, 20850), (885, 20880), (926, 20985), (971, 21063), (980, 21099), (983, 21108), (992, 21141), (998, 21156),

Gene: SimranZ1_17 Start: 14664, Stop: 16373, Start Num: 142
Candidate Starts for SimranZ1_17:
(Start: 142 @14664 has 207 MA's), (215, 14751), (Start: 249 @14796 has 2 MA's), (258, 14820), (299, 14925), (301, 14931), (309, 14949), (332, 14979), (390, 15084), (422, 15144), (437, 15174), (450, 15198), (475, 15240), (535, 15273), (544, 15300), (558, 15324), (564, 15339), (566, 15345), (580, 15381), (582, 15384), (589, 15396), (591, 15402), (605, 15450), (611, 15462), (614, 15468), (648, 15528), (653, 15540), (666, 15576), (670, 15588), (677, 15609), (700, 15663), (704, 15672), (713, 15690), (715, 15696), (730, 15726), (806, 15831), (810, 15840), (812, 15843), (825, 15879), (836, 15918), (847, 15957), (878, 16056), (885, 16077), (896, 16110), (911, 16140), (919, 16170), (922, 16176), (924, 16179), (928, 16185), (944, 16200), (945, 16203), (955, 16227), (973, 16269), (992, 16341),

Gene: SirDuracell_23 Start: 18412, Stop: 20091, Start Num: 147
Candidate Starts for SirDuracell_23:
(Start: 147 @18412 has 120 MA's), (Start: 212 @18496 has 47 MA's), (Start: 260 @18574 has 1 MA's), (296, 18661), (301, 18676), (332, 18724), (349, 18763), (405, 18850), (420, 18883), (437,

18919), (454, 18949), (457, 18955), (538, 19024), (561, 19054), (565, 19066), (566, 19069), (591, 19126), (650, 19258), (651, 19264), (675, 19330), (677, 19336), (686, 19360), (704, 19408), (715, 19432), (721, 19441), (754, 19516), (810, 19567), (819, 19582), (867, 19744), (875, 19771), (885, 19801), (926, 19906), (971, 19984), (980, 20020), (983, 20029), (992, 20062), (998, 20077),

Gene: SirPhilip_22 Start: 16001, Stop: 17767, Start Num: 178
Candidate Starts for SirPhilip_22:
(Start: 146 @15962 has 1 MA's), (Start: 171 @15992 has 28 MA's), (Start: 178 @16001 has 139 MA's), (198, 16031), (Start: 219 @16058 has 2 MA's), (277, 16172), (284, 16190), (295, 16223), (311, 16253), (329, 16286), (371, 16388), (400, 16430), (441, 16511), (488, 16604), (491, 16616), (492, 16619), (509, 16655), (512, 16658), (527, 16673), (534, 16685), (536, 16691), (551, 16733), (557, 16739), (567, 16766), (579, 16802), (647, 16904), (656, 16922), (676, 16982), (688, 17012), (724, 17084), (731, 17096), (784, 17252), (821, 17303), (841, 17369), (853, 17378), (875, 17441), (879, 17453), (896, 17504), (948, 17603), (971, 17654), (994, 17741), (1004, 17759),

Gene: Sitar_35 Start: 31965, Stop: 33728, Start Num: 111
Candidate Starts for Sitar_35:
(104, 31947), (Start: 111 @31965 has 74 MA's), (Start: 131 @32001 has 1 MA's), (238, 32139), (285, 32235), (289, 32244), (340, 32313), (367, 32364), (395, 32409), (406, 32424), (448, 32505), (475, 32550), (478, 32559), (535, 32649), (543, 32679), (550, 32694), (562, 32718), (571, 32748), (641, 32853), (689, 32970), (695, 32988), (699, 33003), (723, 33033), (730, 33045), (731, 33048), (740, 33075), (879, 33399), (880, 33402), (896, 33450), (909, 33477), (917, 33504), (943, 33558), (952, 33585), (1000, 33723),

Gene: Sixama_99 Start: 59417, Stop: 61093, Start Num: 138
Candidate Starts for Sixama_99:
(Start: 138 @59417 has 1 MA's), (166, 59450), (261, 59600), (263, 59603), (278, 59636), (291, 59666), (292, 59669), (403, 59879), (416, 59909), (437, 59951), (446, 59966), (447, 59969), (565, 60065), (578, 60101), (733, 60461), (746, 60497), (821, 60593), (827, 60611), (834, 60635), (858, 60713), (956, 60953), (992, 61067), (998, 61082),

Gene: Sizemore_18 Start: 16641, Stop: 18404, Start Num: 171
Candidate Starts for Sizemore_18:
(Start: 171 @16641 has 28 MA's), (Start: 194 @16650 has 44 MA's), (Start: 196 @16656 has 2 MA's), (201, 16662), (277, 16794), (295, 16845), (311, 16875), (325, 16899), (367, 17001), (391, 17040), (395, 17046), (406, 17061), (425, 17106), (488, 17226), (513, 17283), (536, 17322), (557, 17370), (567, 17397), (571, 17409), (607, 17490), (647, 17535), (731, 17733), (743, 17763), (751, 17781), (762, 17808), (785, 17892), (805, 17910), (818, 17925), (831, 17973), (835, 17988), (867, 18051), (885, 18108), (899, 18147), (915, 18189), (948, 18240), (983, 18336), (1004, 18396),

Gene: SketchMex_17 Start: 15377, Stop: 17077, Start Num: 141
Candidate Starts for SketchMex_17:
(122, 15350), (Start: 141 @15377 has 37 MA's), (Start: 151 @15380 has 50 MA's), (287, 15590), (395, 15758), (400, 15764), (456, 15872), (462, 15881), (477, 15908), (488, 15938), (495, 15953), (525, 15986), (530, 15998), (543, 16034), (567, 16091), (571, 16103), (666, 16268), (731, 16418), (736, 16433), (744, 16451), (767, 16508), (832, 16637), (835, 16649), (841, 16667), (853, 16676), (878, 16748), (879, 16751), (881, 16757), (885, 16769), (925, 16874), (931, 16883), (945, 16916),

Gene: SkiPole_29 Start: 21425, Stop: 23227, Start Num: 159
Candidate Starts for SkiPole_29:
(Start: 159 @21425 has 217 MA's), (Start: 176 @21446 has 45 MA's), (Start: 204 @21488 has 1 MA's), (237, 21533), (367, 21749), (395, 21794), (402, 21803), (448, 21893), (449, 21896), (495, 21989), (556, 22091), (581, 22160), (670, 22349), (674, 22361), (675, 22364), (683, 22385), (730,

22481), (731, 22484), (733, 22490), (762, 22559), (767, 22577), (769, 22586), (777, 22616), (821, 22712), (831, 22745), (835, 22760), (879, 22901), (899, 22958), (945, 23069), (1000, 23222),

Gene: Skinny_29 Start: 22368, Stop: 24104, Start Num: 161
Candidate Starts for Skinny_29:
(69, 22146), (Start: 119 @22326 has 3 MA's), (Start: 128 @22341 has 2 MA's), (Start: 161 @22368 has 14 MA's), (Start: 176 @22383 has 45 MA's), (201, 22422), (223, 22452), (Start: 227 @22458 has 45 MA's), (237, 22470), (291, 22575), (295, 22590), (323, 22629), (389, 22752), (395, 22761), (445, 22857), (471, 22899), (473, 22902), (562, 23079), (610, 23190), (636, 23217), (669, 23289), (670, 23298), (671, 23301), (675, 23313), (730, 23433), (731, 23436), (746, 23478), (761, 23508), (764, 23514), (824, 23634), (826, 23640), (969, 23994), (977, 24021), (983, 24039), (985, 24048),

Gene: SkinnyPete_18 Start: 14990, Stop: 16699, Start Num: 147
Candidate Starts for SkinnyPete_18:
(Start: 147 @14990 has 120 MA's), (Start: 171 @15017 has 28 MA's), (198, 15056), (Start: 249 @15122 has 2 MA's), (252, 15134), (269, 15170), (278, 15194), (290, 15221), (296, 15242), (299, 15251), (301, 15257), (324, 15290), (419, 15464), (422, 15470), (425, 15479), (432, 15488), (437, 15500), (450, 15524), (475, 15566), (535, 15599), (558, 15650), (559, 15653), (564, 15665), (580, 15707), (589, 15722), (591, 15728), (605, 15776), (625, 15830), (648, 15854), (674, 15926), (693, 15980), (700, 15989), (704, 15998), (715, 16022), (727, 16049), (730, 16052), (806, 16157), (810, 16166), (825, 16205), (848, 16286), (866, 16343), (878, 16382), (919, 16496), (944, 16526), (945, 16529), (955, 16553), (971, 16589),

Gene: Skipitt_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for Skipitt_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Sknot_29 Start: 20214, Stop: 21986, Start Num: 156
Candidate Starts for Sknot_29:
(Start: 136 @20190 has 48 MA's), (Start: 156 @20214 has 559 MA's), (259, 20349), (269, 20367), (323, 20448), (325, 20451), (366, 20523), (367, 20526), (376, 20541), (402, 20580), (406, 20586), (436, 20649), (465, 20697), (479, 20730), (508, 20784), (550, 20865), (556, 20868), (567, 20898), (635, 21054), (675, 21141), (731, 21261), (774, 21384), (775, 21387), (777, 21393), (808, 21441), (831, 21504), (835, 21519), (837, 21525), (855, 21579), (866, 21618), (869, 21633), (881, 21666), (943, 21822), (945, 21828), (968, 21882),

Gene: Skysand_43 Start: 30914, Stop: 32536, Start Num: 202
Candidate Starts for Skysand_43:
(Start: 202 @30914 has 36 MA's), (277, 31031), (307, 31109), (406, 31271), (410, 31283), (417, 31298), (458, 31364), (469, 31379), (519, 31490), (535, 31520), (536, 31523), (562, 31580), (590, 31652), (654, 31736), (663, 31757), (704, 31844), (728, 31892), (773, 32018), (774, 32021), (785, 32054), (833, 32111), (885, 32240), (899, 32279), (952, 32384), (976, 32447), (980, 32459), (984, 32471), (986, 32480), (998, 32516),

Gene: Slagathor_28 Start: 21029, Stop: 22831, Start Num: 159
Candidate Starts for Slagathor_28:

(Start: 159 @21029 has 217 MA's), (Start: 176 @21050 has 45 MA's), (Start: 204 @21092 has 1 MA's), (237, 21137), (367, 21353), (395, 21398), (402, 21407), (421, 21446), (448, 21497), (449, 21500), (556, 21695), (581, 21764), (604, 21824), (607, 21836), (674, 21965), (675, 21968), (683, 21989), (730, 22085), (731, 22088), (733, 22094), (762, 22163), (767, 22181), (769, 22190), (777, 22220), (821, 22316), (831, 22349), (835, 22364), (879, 22505), (899, 22562), (945, 22673),

Gene: Slarp_24 Start: 18633, Stop: 20420, Start Num: 178
Candidate Starts for Slarp_24:
(Start: 146 @18594 has 1 MA's), (Start: 171 @18624 has 28 MA's), (Start: 176 @18630 has 45 MA's), (Start: 178 @18633 has 139 MA's), (228, 18690), (256, 18738), (272, 18777), (277, 18792), (284, 18810), (295, 18843), (311, 18873), (335, 18918), (342, 18936), (371, 19008), (376, 19014), (395, 19044), (430, 19110), (436, 19122), (498, 19257), (534, 19305), (536, 19311), (541, 19329), (557, 19359), (571, 19398), (647, 19524), (670, 19584), (671, 19587), (677, 19605), (683, 19620), (751, 19788), (769, 19842), (782, 19887), (808, 19932), (821, 19956), (831, 19989), (841, 20022), (875, 20094), (879, 20106), (896, 20157), (899, 20163), (951, 20265), (993, 20391), (1004, 20412),

Gene: Sleepyhead_18 Start: 15726, Stop: 17306, Start Num: 190
Candidate Starts for Sleepyhead_18:
(Start: 190 @15726 has 1 MA's), (Start: 249 @15813 has 2 MA's), (277, 15879), (341, 16026), (346, 16041), (390, 16119), (407, 16146), (606, 16431), (616, 16452), (674, 16581), (676, 16587), (709, 16647), (723, 16674), (724, 16677), (742, 16710), (746, 16722), (761, 16752), (806, 16782), (817, 16803), (821, 16818), (858, 16938), (899, 17058), (903, 17070),

Gene: SlimJimmy_27 Start: 22354, Stop: 24090, Start Num: 161
Candidate Starts for SlimJimmy_27:
(69, 22132), (Start: 119 @22312 has 3 MA's), (Start: 128 @22327 has 2 MA's), (Start: 161 @22354 has 14 MA's), (Start: 176 @22369 has 45 MA's), (201, 22408), (223, 22438), (Start: 227 @22444 has 45 MA's), (237, 22456), (291, 22561), (295, 22576), (323, 22615), (389, 22738), (395, 22747), (445, 22843), (471, 22885), (473, 22888), (562, 23065), (610, 23176), (636, 23203), (669, 23275), (670, 23284), (671, 23287), (675, 23299), (730, 23419), (731, 23422), (746, 23464), (761, 23494), (764, 23500), (824, 23620), (826, 23626), (969, 23980), (977, 24007), (983, 24025), (985, 24034),

Gene: Slim_18 Start: 14596, Stop: 16305, Start Num: 142
Candidate Starts for Slim_18:
(Start: 142 @14596 has 207 MA's), (215, 14683), (Start: 249 @14728 has 2 MA's), (258, 14752), (299, 14857), (301, 14863), (309, 14881), (332, 14911), (390, 15016), (422, 15076), (432, 15094), (434, 15097), (437, 15106), (450, 15130), (558, 15256), (564, 15271), (566, 15277), (580, 15313), (582, 15316), (589, 15328), (591, 15334), (605, 15382), (611, 15394), (614, 15400), (648, 15460), (653, 15472), (666, 15508), (670, 15520), (700, 15595), (704, 15604), (713, 15622), (715, 15628), (730, 15658), (806, 15763), (812, 15775), (825, 15811), (847, 15889), (885, 16009), (896, 16042), (911, 16072), (913, 16084), (919, 16102), (922, 16108), (924, 16111), (928, 16117), (944, 16132), (945, 16135), (953, 16156), (955, 16159), (973, 16201), (980, 16231), (992, 16273), (993, 16279),

Gene: Slimphazie_23 Start: 17155, Stop: 18921, Start Num: 178
Candidate Starts for Slimphazie_23:
(Start: 178 @17155 has 139 MA's), (198, 17185), (284, 17344), (295, 17377), (311, 17407), (329, 17440), (335, 17452), (371, 17542), (400, 17584), (436, 17656), (441, 17665), (465, 17704), (484, 17749), (491, 17770), (492, 17773), (527, 17827), (536, 17845), (551, 17887), (557, 17893), (567, 17920), (647, 18058), (656, 18076), (670, 18118), (676, 18136), (688, 18166), (702, 18193), (751, 18298), (821, 18457), (832, 18493), (841, 18523), (853, 18532), (879, 18607), (896, 18658), (948, 18757), (983, 18853), (993, 18892), (994, 18895), (1004, 18913),

Gene: Smairt_28 Start: 21861, Stop: 23663, Start Num: 159

Candidate Starts for Smairt_28:
(Start: 159 @21861 has 217 MA's), (Start: 176 @21882 has 45 MA's), (Start: 204 @21924 has 1 MA's), (237, 21969), (367, 22185), (395, 22230), (402, 22239), (448, 22329), (449, 22332), (556, 22527), (581, 22596), (670, 22785), (674, 22797), (675, 22800), (683, 22821), (730, 22917), (731, 22920), (733, 22926), (762, 22995), (767, 23013), (769, 23022), (777, 23052), (821, 23148), (831, 23181), (835, 23196), (879, 23337), (899, 23394), (945, 23505), (1000, 23658),

Gene: Smeadley_24 Start: 18652, Stop: 20442, Start Num: 156
Candidate Starts for Smeadley_24:
(Start: 136 @18628 has 48 MA's), (Start: 156 @18652 has 559 MA's), (235, 18745), (Start: 260 @18790 has 1 MA's), (325, 18889), (344, 18925), (367, 18964), (376, 18979), (400, 19015), (465, 19135), (469, 19141), (536, 19261), (590, 19390), (615, 19462), (674, 19576), (767, 19792), (775, 19825), (821, 19927), (831, 19960), (835, 19975), (844, 20005), (942, 20275), (945, 20284), (948, 20293), (989, 20407),

Gene: Smeagan_30 Start: 20692, Stop: 22464, Start Num: 156
Candidate Starts for Smeagan_30:
(110, 20626), (Start: 136 @20668 has 48 MA's), (Start: 156 @20692 has 559 MA's), (238, 20791), (281, 20875), (Start: 303 @20914 has 11 MA's), (323, 20926), (325, 20929), (366, 21001), (367, 21004), (402, 21058), (421, 21097), (465, 21175), (508, 21262), (550, 21343), (556, 21346), (635, 21532), (675, 21619), (723, 21724), (731, 21739), (775, 21865), (777, 21871), (808, 21919), (835, 21997), (837, 22003), (855, 22057), (866, 22096), (869, 22111), (899, 22195), (934, 22276), (945, 22306),

Gene: Smeagol_29 Start: 22440, Stop: 24242, Start Num: 159
Candidate Starts for Smeagol_29:
(Start: 159 @22440 has 217 MA's), (Start: 176 @22461 has 45 MA's), (Start: 204 @22503 has 1 MA's), (237, 22548), (367, 22764), (395, 22809), (402, 22818), (421, 22857), (449, 22911), (556, 23106), (581, 23175), (674, 23376), (675, 23379), (683, 23400), (730, 23496), (731, 23499), (733, 23505), (762, 23574), (767, 23592), (769, 23601), (777, 23631), (821, 23727), (831, 23760), (835, 23775), (879, 23916), (899, 23973), (945, 24084), (1000, 24237),

Gene: SmellyB_31 Start: 19976, Stop: 21748, Start Num: 156
Candidate Starts for SmellyB_31:
(110, 19910), (Start: 136 @19952 has 48 MA's), (Start: 156 @19976 has 559 MA's), (Start: 260 @20114 has 1 MA's), (286, 20174), (325, 20213), (366, 20285), (367, 20288), (379, 20306), (402, 20342), (406, 20348), (465, 20459), (469, 20465), (508, 20546), (536, 20585), (550, 20627), (556, 20630), (575, 20690), (684, 20927), (689, 20942), (731, 21023), (777, 21155), (835, 21281), (852, 21332), (855, 21341), (866, 21380), (867, 21383), (869, 21395), (899, 21479), (943, 21584), (945, 21590), (992, 21725),

Gene: SmokingBunny_31 Start: 25850, Stop: 27616, Start Num: 111
Candidate Starts for SmokingBunny_31:
(93, 25808), (Start: 111 @25850 has 74 MA's), (Start: 131 @25886 has 1 MA's), (Start: 159 @25919 has 217 MA's), (287, 26129), (289, 26132), (323, 26162), (351, 26228), (367, 26252), (372, 26261), (393, 26294), (478, 26447), (495, 26486), (535, 26537), (539, 26549), (543, 26567), (548, 26579), (553, 26591), (562, 26606), (571, 26636), (572, 26639), (579, 26660), (636, 26732), (663, 26780), (699, 26891), (724, 26924), (740, 26963), (743, 26966), (769, 27038), (803, 27104), (809, 27116), (879, 27287), (880, 27290), (896, 27338), (909, 27365), (917, 27392), (919, 27398), (943, 27446), (984, 27563), (990, 27584), (1000, 27611),

Gene: Smooch_59 Start: 35189, Stop: 36925, Start Num: 126
Candidate Starts for Smooch_59:

(Start: 120 @35180 has 2 MA's), (Start: 126 @35189 has 26 MA's), (Start: 195 @35279 has 1 MA's), (266, 35396), (282, 35432), (291, 35453), (299, 35480), (301, 35486), (322, 35516), (336, 35540), (363, 35591), (437, 35729), (440, 35735), (472, 35786), (473, 35789), (482, 35807), (558, 35858), (566, 35879), (567, 35882), (589, 35930), (591, 35936), (605, 35984), (607, 35990), (611, 35996), (632, 36056), (648, 36080), (650, 36083), (666, 36128), (671, 36143), (674, 36152), (677, 36161), (693, 36206), (704, 36224), (721, 36257), (812, 36395), (820, 36416), (827, 36437), (840, 36482), (848, 36512), (865, 36566), (878, 36608), (885, 36629), (892, 36650), (896, 36662), (907, 36683), (928, 36737), (971, 36815), (980, 36851), (986, 36872), (993, 36899),

Gene: Smoothie_49 Start: 29612, Stop: 31303, Start Num: 165
Candidate Starts for Smoothie_49:
(Start: 165 @29612 has 14 MA's), (207, 29672), (229, 29705), (Start: 249 @29735 has 2 MA's), (250, 29738), (317, 29897), (322, 29906), (392, 30035), (418, 30083), (591, 30296), (592, 30302), (600, 30326), (661, 30455), (666, 30476), (677, 30509), (754, 30707), (844, 30860), (875, 30959), (879, 30971), (882, 30980), (913, 31064), (981, 31211), (991, 31247),

Gene: Smurph_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Smurph_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: SnapTap_28 Start: 20118, Stop: 21890, Start Num: 156
Candidate Starts for SnapTap_28:
(110, 20052), (Start: 136 @20094 has 48 MA's), (Start: 156 @20118 has 559 MA's), (281, 20301), (323, 20352), (325, 20355), (366, 20427), (367, 20430), (402, 20484), (421, 20523), (445, 20568), (465, 20601), (508, 20688), (550, 20769), (556, 20772), (675, 21045), (731, 21165), (808, 21345), (831, 21408), (835, 21423), (837, 21429), (855, 21483), (866, 21522), (869, 21537), (899, 21621), (945, 21732), (992, 21867),

Gene: Snape_28 Start: 20752, Stop: 22551, Start Num: 156
Candidate Starts for Snape_28:
(110, 20686), (Start: 136 @20728 has 48 MA's), (Start: 156 @20752 has 559 MA's), (Start: 196 @20794 has 2 MA's), (Start: 260 @20890 has 1 MA's), (269, 20905), (323, 20986), (325, 20989), (367, 21064), (376, 21079), (402, 21118), (406, 21124), (430, 21175), (465, 21235), (469, 21241), (508, 21322), (556, 21406), (603, 21532), (609, 21550), (622, 21577), (689, 21718), (723, 21784), (730, 21796), (731, 21799), (800, 21988), (813, 22015), (819, 22024), (824, 22045), (825, 22048), (831, 22069), (835, 22084), (842, 22108), (866, 22183), (869, 22198), (899, 22282), (943, 22387), (945, 22393), (968, 22447), (1000, 22546),

Gene: Snazzy_26 Start: 21047, Stop: 22849, Start Num: 159
Candidate Starts for Snazzy_26:
(Start: 159 @21047 has 217 MA's), (Start: 176 @21068 has 45 MA's), (Start: 204 @21110 has 1 MA's), (237, 21155), (367, 21371), (395, 21416), (402, 21425), (421, 21464), (448, 21515), (449, 21518), (556, 21713), (581, 21782), (674, 21983), (675, 21986), (683, 22007), (730, 22103), (731, 22106), (733, 22112), (762, 22181), (767, 22199), (769, 22208), (777, 22238), (821, 22334), (831, 22367), (835, 22382), (879, 22523), (899, 22580), (945, 22691), (1000, 22844),

Gene: Sneeze_18 Start: 16647, Stop: 18410, Start Num: 171
Candidate Starts for Sneeze_18:
(Start: 171 @16647 has 28 MA's), (Start: 194 @16656 has 44 MA's), (Start: 196 @16662 has 2 MA's), (201, 16668), (256, 16746), (277, 16800), (295, 16851), (311, 16881), (325, 16905), (367, 17007), (391, 17046), (395, 17052), (406, 17067), (488, 17232), (513, 17289), (536, 17328), (551, 17370), (557, 17376), (571, 17415), (628, 17514), (647, 17541), (731, 17739), (743, 17769), (751, 17787), (762, 17814), (785, 17898), (805, 17916), (818, 17931), (831, 17979), (835, 17994), (867, 18057), (874, 18081), (885, 18114), (899, 18153), (915, 18195), (983, 18342), (1004, 18402),

Gene: Snekmaggedon_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for Snekmaggedon_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: Snenia_19 Start: 17374, Stop: 19137, Start Num: 136
Candidate Starts for Snenia_19:
(Start: 136 @17374 has 48 MA's), (Start: 161 @17401 has 14 MA's), (207, 17464), (241, 17512), (246, 17518), (269, 17554), (296, 17629), (Start: 303 @17653 has 11 MA's), (318, 17659), (346, 17716), (414, 17830), (419, 17842), (478, 17953), (556, 18097), (562, 18109), (572, 18142), (674, 18331), (676, 18337), (695, 18394), (716, 18436), (724, 18445), (731, 18457), (762, 18532), (782, 18601), (785, 18613), (826, 18661), (858, 18727), (881, 18805), (896, 18850), (919, 18907), (951, 18970), (963, 19006), (969, 19021), (977, 19051), (979, 19057), (983, 19069), (985, 19078), (989, 19090),

Gene: Snickers_29 Start: 20353, Stop: 22149, Start Num: 156
Candidate Starts for Snickers_29:
(Start: 156 @20353 has 559 MA's), (Start: 204 @20410 has 1 MA's), (215, 20425), (254, 20479), (259, 20494), (Start: 303 @20581 has 11 MA's), (323, 20593), (325, 20596), (367, 20671), (376, 20686), (400, 20722), (508, 20929), (581, 21082), (615, 21169), (674, 21283), (683, 21307), (689, 21325), (731, 21406), (762, 21481), (767, 21499), (775, 21532), (777, 21538), (790, 21577), (820, 21631), (821, 21634), (828, 21655), (844, 21712), (899, 21880), (943, 21985), (945, 21991), (992, 22126), (1000, 22144),

Gene: SoJulia_18 Start: 16988, Stop: 18721, Start Num: 175
Candidate Starts for SoJulia_18:
(Start: 175 @16988 has 56 MA's), (223, 17057), (295, 17198), (296, 17201), (327, 17246), (343, 17279), (346, 17288), (366, 17324), (400, 17378), (414, 17405), (419, 17417), (445, 17468), (448, 17474), (469, 17507), (546, 17660), (562, 17684), (564, 17693), (579, 17738), (588, 17753), (636, 17831), (686, 17951), (712, 18014), (746, 18086), (764, 18122), (824, 18242), (826, 18248), (830, 18260), (860, 18323), (888, 18410), (896, 18437), (925, 18506), (935, 18521), (943, 18533), (951, 18557), (977, 18635),

Gene: SoSeph_21 Start: 17643, Stop: 19415, Start Num: 181
Candidate Starts for SoSeph_21:
(Start: 181 @17643 has 15 MA's), (Start: 186 @17649 has 1 MA's), (201, 17673), (228, 17706), (256, 17754), (277, 17808), (295, 17859), (329, 17922), (376, 18030), (436, 18138), (491, 18252), (492, 18255), (512, 18294), (527, 18309), (534, 18321), (536, 18327), (547, 18363), (551, 18369), (557, 18375), (571, 18414), (579, 18438), (647, 18540), (671, 18603), (687, 18648), (751, 18783), (782,

18882), (824, 18960), (831, 18984), (837, 19005), (851, 19023), (879, 19101), (881, 19107), (951, 19260), (988, 19365), (989, 19368), (993, 19386),

Gene: SoYo_29 Start: 20290, Stop: 22086, Start Num: 156
Candidate Starts for SoYo_29:
(Start: 156 @20290 has 559 MA's), (Start: 204 @20347 has 1 MA's), (215, 20362), (238, 20395), (254, 20416), (259, 20431), (Start: 303 @20518 has 11 MA's), (323, 20530), (325, 20533), (367, 20608), (376, 20623), (400, 20659), (508, 20866), (567, 20980), (581, 21019), (615, 21106), (674, 21220), (683, 21244), (689, 21262), (731, 21343), (762, 21418), (767, 21436), (775, 21469), (777, 21475), (790, 21514), (820, 21568), (821, 21571), (828, 21592), (844, 21649), (899, 21817), (943, 21922), (945, 21928), (992, 22063),

Gene: Soap141_18 Start: 17022, Stop: 18755, Start Num: 175
Candidate Starts for Soap141_18:
(Start: 175 @17022 has 56 MA's), (223, 17091), (295, 17232), (296, 17235), (327, 17280), (343, 17313), (346, 17322), (366, 17358), (400, 17412), (414, 17439), (419, 17451), (445, 17502), (448, 17508), (469, 17541), (546, 17694), (562, 17718), (564, 17727), (579, 17772), (588, 17787), (636, 17865), (686, 17985), (712, 18048), (746, 18120), (764, 18156), (824, 18276), (826, 18282), (830, 18294), (860, 18357), (888, 18444), (896, 18471), (925, 18540), (935, 18555), (943, 18567), (951, 18591), (977, 18669),

Gene: Socotra_19 Start: 15729, Stop: 17429, Start Num: 141
Candidate Starts for Socotra_19:
(Start: 141 @15729 has 37 MA's), (Start: 151 @15732 has 50 MA's), (287, 15942), (367, 16065), (400, 16116), (445, 16203), (449, 16212), (462, 16233), (473, 16248), (477, 16260), (525, 16338), (530, 16350), (541, 16377), (553, 16410), (567, 16443), (571, 16455), (590, 16497), (666, 16620), (691, 16692), (731, 16770), (736, 16785), (744, 16803), (767, 16860), (821, 16953), (832, 16989), (835, 17001), (837, 17007), (841, 17019), (853, 17028), (878, 17100), (879, 17103), (881, 17109), (885, 17121), (909, 17181), (925, 17226), (931, 17235), (945, 17268), (973, 17334),

Gene: SoilAssassin_17 Start: 14751, Stop: 16460, Start Num: 216
Candidate Starts for SoilAssassin_17:
(115, 14616), (Start: 216 @14751 has 31 MA's), (304, 14940), (305, 14943), (347, 15018), (376, 15072), (417, 15141), (423, 15153), (469, 15231), (471, 15234), (526, 15366), (547, 15420), (571, 15471), (583, 15501), (613, 15561), (634, 15573), (663, 15609), (704, 15726), (714, 15744), (731, 15783), (768, 15879), (825, 15987), (931, 16263), (933, 16266), (951, 16314), (965, 16344),

Gene: SoilDragon_29 Start: 20067, Stop: 21863, Start Num: 156
Candidate Starts for SoilDragon_29:
(Start: 156 @20067 has 559 MA's), (Start: 204 @20124 has 1 MA's), (215, 20139), (238, 20172), (254, 20193), (259, 20208), (Start: 303 @20295 has 11 MA's), (323, 20307), (325, 20310), (367, 20385), (376, 20400), (400, 20436), (508, 20643), (581, 20796), (615, 20883), (674, 20997), (683, 21021), (689, 21039), (731, 21120), (762, 21195), (767, 21213), (775, 21246), (777, 21252), (790, 21291), (820, 21345), (821, 21348), (828, 21369), (844, 21426), (899, 21594), (943, 21699), (945, 21705), (992, 21840),

Gene: Solon_27 Start: 21712, Stop: 23514, Start Num: 159
Candidate Starts for Solon_27:
(Start: 159 @21712 has 217 MA's), (Start: 176 @21733 has 45 MA's), (Start: 204 @21775 has 1 MA's), (237, 21820), (367, 22036), (395, 22081), (402, 22090), (421, 22129), (448, 22180), (449, 22183), (495, 22276), (556, 22378), (581, 22447), (674, 22648), (675, 22651), (683, 22672), (730, 22768), (731, 22771), (733, 22777), (762, 22846), (767, 22864), (769, 22873), (777, 22903), (821, 22999), (831, 23032), (835, 23047), (879, 23188), (899, 23245), (945, 23356),

Gene: Sonah_19 Start: 16375, Stop: 18111, Start Num: 137
Candidate Starts for Sonah_19:
(Start: 121 @16351 has 6 MA's), (Start: 137 @16375 has 45 MA's), (Start: 186 @16435 has 1 MA's), (198, 16456), (201, 16459), (274, 16579), (290, 16618), (300, 16651), (317, 16675), (382, 16795), (405, 16834), (407, 16840), (447, 16924), (450, 16930), (457, 16942), (473, 16966), (485, 16993), (538, 17011), (555, 17050), (558, 17056), (567, 17080), (591, 17134), (594, 17146), (597, 17155), (621, 17215), (658, 17293), (670, 17332), (682, 17365), (704, 17431), (711, 17446), (715, 17455), (726, 17479), (740, 17509), (746, 17521), (822, 17623), (827, 17635), (828, 17638), (830, 17644), (832, 17653), (865, 17761), (892, 17845), (937, 17944), (983, 18052), (998, 18100),

Gene: Sopespian_18 Start: 15730, Stop: 17430, Start Num: 141
Candidate Starts for Sopespian_18:
(Start: 141 @15730 has 37 MA's), (Start: 151 @15733 has 50 MA's), (287, 15943), (367, 16066), (400, 16117), (445, 16204), (449, 16213), (462, 16234), (473, 16249), (477, 16261), (525, 16339), (530, 16351), (541, 16378), (553, 16411), (567, 16444), (571, 16456), (590, 16498), (666, 16621), (691, 16693), (731, 16771), (736, 16786), (744, 16804), (767, 16861), (821, 16954), (832, 16990), (835, 17002), (837, 17008), (841, 17020), (853, 17029), (878, 17101), (879, 17104), (881, 17110), (885, 17122), (909, 17182), (925, 17227), (931, 17236), (945, 17269), (973, 17335),

Gene: SophKB_24 Start: 19745, Stop: 21424, Start Num: 147
Candidate Starts for SophKB_24:
(Start: 147 @19745 has 120 MA's), (Start: 212 @19829 has 47 MA's), (Start: 260 @19907 has 1 MA's), (296, 19994), (301, 20009), (332, 20057), (349, 20096), (405, 20183), (420, 20216), (437, 20252), (454, 20282), (457, 20288), (538, 20357), (561, 20387), (565, 20399), (566, 20402), (591, 20459), (650, 20591), (651, 20597), (675, 20663), (677, 20669), (686, 20693), (704, 20741), (715, 20765), (721, 20774), (754, 20849), (810, 20900), (819, 20915), (867, 21077), (875, 21104), (885, 21134), (926, 21239), (971, 21317), (980, 21353), (983, 21362), (992, 21395), (998, 21410),

Gene: SororFago_28 Start: 19411, Stop: 21210, Start Num: 156
Candidate Starts for SororFago_28:
(Start: 153 @19408 has 9 MA's), (Start: 156 @19411 has 559 MA's), (259, 19546), (289, 19615), (325, 19648), (342, 19678), (366, 19720), (367, 19723), (406, 19783), (465, 19894), (484, 19939), (508, 19981), (546, 20056), (550, 20062), (556, 20065), (575, 20125), (617, 20227), (669, 20314), (675, 20338), (731, 20458), (803, 20656), (835, 20743), (837, 20749), (866, 20842), (943, 21046), (945, 21052),

Gene: Sorpresa_27 Start: 21059, Stop: 22861, Start Num: 159
Candidate Starts for Sorpresa_27:
(Start: 159 @21059 has 217 MA's), (Start: 176 @21080 has 45 MA's), (Start: 204 @21122 has 1 MA's), (367, 21383), (395, 21428), (402, 21437), (421, 21476), (448, 21527), (449, 21530), (556, 21725), (581, 21794), (674, 21995), (675, 21998), (683, 22019), (730, 22115), (731, 22118), (733, 22124), (762, 22193), (767, 22211), (769, 22220), (777, 22250), (821, 22346), (831, 22379), (835, 22394), (879, 22535), (899, 22592), (945, 22703),

Gene: Soshari_31 Start: 20462, Stop: 22258, Start Num: 156
Candidate Starts for Soshari_31:
(Start: 156 @20462 has 559 MA's), (Start: 204 @20519 has 1 MA's), (215, 20534), (238, 20567), (254, 20588), (259, 20603), (Start: 303 @20690 has 11 MA's), (323, 20702), (325, 20705), (367, 20780), (376, 20795), (400, 20831), (508, 21038), (567, 21152), (581, 21191), (615, 21278), (674, 21392), (683, 21416), (689, 21434), (731, 21515), (762, 21590), (767, 21608), (775, 21641), (777, 21647), (790, 21686), (820, 21740), (821, 21743), (828, 21764), (844, 21821), (899, 21989), (943, 22094), (945, 22100), (992, 22235),

Gene: Sotrice96_24 Start: 19701, Stop: 21380, Start Num: 147
Candidate Starts for Sotrice96_24:
(Start: 147 @19701 has 120 MA's), (Start: 212 @19785 has 47 MA's), (Start: 260 @19863 has 1 MA's), (296, 19950), (301, 19965), (332, 20013), (349, 20052), (405, 20139), (420, 20172), (437, 20208), (454, 20238), (457, 20244), (538, 20313), (561, 20343), (565, 20355), (566, 20358), (591, 20415), (650, 20547), (651, 20553), (675, 20619), (677, 20625), (686, 20649), (704, 20697), (715, 20721), (721, 20730), (754, 20805), (810, 20856), (819, 20871), (867, 21033), (875, 21060), (885, 21090), (926, 21195), (971, 21273), (980, 21309), (983, 21318), (992, 21351), (998, 21366),

Gene: Soul22_19 Start: 13742, Stop: 15406, Start Num: 159
Candidate Starts for Soul22_19:
(Start: 159 @13742 has 217 MA's), (221, 13823), (241, 13853), (256, 13874), (Start: 260 @13886 has 1 MA's), (289, 13952), (327, 13991), (333, 14003), (342, 14027), (374, 14084), (377, 14087), (391, 14111), (395, 14117), (397, 14120), (421, 14165), (430, 14183), (449, 14219), (508, 14330), (536, 14366), (543, 14393), (548, 14405), (550, 14408), (567, 14450), (571, 14462), (579, 14486), (622, 14540), (674, 14639), (714, 14732), (731, 14759), (735, 14771), (761, 14816), (767, 14837), (769, 14846), (819, 14918), (879, 15080), (880, 15083), (881, 15086), (925, 15203), (945, 15245), (976, 15329), (990, 15374), (994, 15392),

Gene: Soups_30 Start: 19215, Stop: 21002, Start Num: 156
Candidate Starts for Soups_30:
(110, 19149), (Start: 136 @19191 has 48 MA's), (Start: 156 @19215 has 559 MA's), (Start: 260 @19353 has 1 MA's), (285, 19410), (325, 19452), (344, 19488), (367, 19527), (409, 19596), (421, 19620), (449, 19674), (536, 19824), (556, 19869), (567, 19899), (579, 19935), (600, 19986), (613, 20022), (644, 20070), (671, 20130), (730, 20259), (762, 20337), (835, 20538), (837, 20544), (867, 20640), (929, 20805), (971, 20904),

Gene: Sparkdehlily_16 Start: 14836, Stop: 16545, Start Num: 142
Candidate Starts for Sparkdehlily_16:
(Start: 142 @14836 has 207 MA's), (215, 14923), (Start: 249 @14968 has 2 MA's), (258, 14992), (282, 15049), (299, 15097), (301, 15103), (309, 15121), (332, 15151), (390, 15256), (419, 15310), (422, 15316), (425, 15325), (437, 15346), (450, 15370), (473, 15406), (475, 15412), (535, 15445), (536, 15448), (539, 15457), (544, 15472), (546, 15478), (558, 15496), (564, 15511), (566, 15517), (572, 15535), (573, 15538), (580, 15553), (589, 15568), (591, 15574), (605, 15622), (611, 15634), (614, 15640), (648, 15700), (653, 15712), (666, 15748), (670, 15760), (700, 15835), (704, 15844), (713, 15862), (715, 15868), (730, 15898), (806, 16003), (812, 16015), (825, 16051), (847, 16129), (885, 16249), (896, 16282), (911, 16312), (913, 16324), (919, 16342), (922, 16348), (924, 16351), (928, 16357), (944, 16372), (945, 16375), (953, 16396), (955, 16399), (973, 16441), (980, 16471), (992, 16513), (993, 16519),

Gene: Sparky_16 Start: 16144, Stop: 17859, Start Num: 169
Candidate Starts for Sparky_16:
(Start: 169 @16144 has 3 MA's), (Start: 176 @16153 has 45 MA's), (266, 16279), (295, 16357), (297, 16363), (298, 16366), (325, 16399), (346, 16447), (348, 16453), (389, 16519), (409, 16552), (417, 16570), (471, 16666), (536, 16780), (562, 16837), (567, 16855), (579, 16891), (636, 16972), (641, 16981), (674, 17059), (687, 17095), (731, 17185), (764, 17260), (826, 17386), (865, 17476), (898, 17578), (951, 17707), (969, 17749), (977, 17776), (985, 17803), (989, 17815), (990, 17818), (998, 17842),

Gene: Sparxx_27 Start: 19825, Stop: 21603, Start Num: 156
Candidate Starts for Sparxx_27:

(Start: 136 @19801 has 48 MA's), (Start: 156 @19825 has 559 MA's), (Start: 204 @19882 has 1 MA's), (241, 19936), (254, 19951), (Start: 260 @19969 has 1 MA's), (Start: 303 @20053 has 11 MA's), (323, 20065), (325, 20068), (367, 20143), (376, 20158), (402, 20197), (465, 20314), (508, 20401), (550, 20482), (572, 20530), (581, 20554), (615, 20641), (644, 20686), (675, 20758), (683, 20779), (689, 20797), (731, 20878), (767, 20971), (769, 20980), (775, 21004), (777, 21010), (784, 21034), (821, 21088), (828, 21109), (842, 21160), (850, 21184), (867, 21238), (899, 21334), (943, 21439), (948, 21454), (987, 21562), (992, 21580),

Gene: SpeedDemon_320 Start: 28963, Stop: 30726, Start Num: 167
Candidate Starts for SpeedDemon_320:
(91, 28831), (92, 28837), (Start: 167 @28963 has 22 MA's), (207, 29020), (287, 29173), (320, 29248), (392, 29380), (418, 29428), (463, 29512), (566, 29674), (567, 29677), (586, 29719), (591, 29731), (592, 29737), (614, 29797), (616, 29803), (670, 29923), (682, 29956), (697, 30004), (754, 30130), (819, 30196), (875, 30382), (879, 30394), (909, 30472), (932, 30526), (1005, 30718),

Gene: Spike509_29 Start: 20463, Stop: 22259, Start Num: 156
Candidate Starts for Spike509_29:
(Start: 156 @20463 has 559 MA's), (Start: 204 @20520 has 1 MA's), (215, 20535), (238, 20568), (254, 20589), (259, 20604), (Start: 303 @20691 has 11 MA's), (323, 20703), (325, 20706), (367, 20781), (376, 20796), (400, 20832), (508, 21039), (567, 21153), (581, 21192), (615, 21279), (674, 21393), (683, 21417), (689, 21435), (731, 21516), (762, 21591), (767, 21609), (775, 21642), (777, 21648), (790, 21687), (820, 21741), (821, 21744), (828, 21765), (844, 21822), (899, 21990), (943, 22095), (945, 22101), (992, 22236),

Gene: SpikeBT_29 Start: 22017, Stop: 23819, Start Num: 159
Candidate Starts for SpikeBT_29:
(Start: 159 @22017 has 217 MA's), (Start: 176 @22038 has 45 MA's), (Start: 204 @22080 has 1 MA's), (237, 22125), (367, 22341), (395, 22386), (402, 22395), (448, 22485), (449, 22488), (556, 22683), (581, 22752), (674, 22953), (675, 22956), (683, 22977), (730, 23073), (731, 23076), (733, 23082), (762, 23151), (767, 23169), (769, 23178), (777, 23208), (821, 23304), (831, 23337), (835, 23352), (879, 23493), (899, 23550), (945, 23661),

Gene: Spikelee_17 Start: 14630, Stop: 16339, Start Num: 142
Candidate Starts for Spikelee_17:
(Start: 142 @14630 has 207 MA's), (215, 14717), (Start: 249 @14762 has 2 MA's), (258, 14786), (299, 14891), (301, 14897), (309, 14915), (332, 14945), (390, 15050), (419, 15104), (422, 15110), (425, 15119), (437, 15140), (450, 15164), (473, 15200), (475, 15206), (535, 15239), (536, 15242), (539, 15251), (544, 15266), (546, 15272), (558, 15290), (564, 15305), (566, 15311), (572, 15329), (573, 15332), (580, 15347), (589, 15362), (591, 15368), (605, 15416), (611, 15428), (614, 15434), (648, 15494), (653, 15506), (666, 15542), (670, 15554), (700, 15629), (704, 15638), (713, 15656), (715, 15662), (730, 15692), (806, 15797), (812, 15809), (825, 15845), (847, 15923), (885, 16043), (896, 16076), (911, 16106), (913, 16118), (919, 16136), (922, 16142), (924, 16145), (928, 16151), (944, 16166), (945, 16169), (953, 16190), (955, 16193), (973, 16235), (980, 16265), (992, 16307), (993, 16313),

Gene: Spino_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Spino_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441),

(948, 21456), (987, 21564), (992, 21582),

Gene: Splinter_22 Start: 16480, Stop: 17808, Start Num: 303
Candidate Starts for Splinter_22:
(Start: 303 @16480 has 11 MA's), (315, 16495), (399, 16639), (421, 16684), (445, 16729), (458, 16753), (476, 16783), (483, 16804), (486, 16813), (494, 16837), (497, 16846), (526, 16897), (533, 16909), (639, 17002), (646, 17011), (660, 17020), (675, 17065), (684, 17083), (730, 17176), (747, 17221), (771, 17290), (780, 17311), (833, 17392), (851, 17425), (885, 17512), (899, 17548), (906, 17563), (910, 17572), (933, 17614), (948, 17653), (972, 17707), (975, 17725), (992, 17782), (995, 17791),

Gene: Spock_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Spock_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: SpongeBob_18 Start: 14993, Stop: 16702, Start Num: 147
Candidate Starts for SpongeBob_18:
(Start: 147 @14993 has 120 MA's), (Start: 171 @15020 has 28 MA's), (198, 15059), (Start: 249 @15125 has 2 MA's), (252, 15137), (269, 15173), (278, 15197), (290, 15224), (296, 15245), (299, 15254), (301, 15260), (324, 15293), (419, 15467), (422, 15473), (425, 15482), (432, 15491), (437, 15503), (450, 15527), (475, 15569), (535, 15602), (558, 15653), (559, 15656), (564, 15668), (580, 15710), (589, 15725), (591, 15731), (605, 15779), (625, 15833), (648, 15857), (674, 15929), (693, 15983), (700, 15992), (704, 16001), (715, 16025), (727, 16052), (730, 16055), (806, 16160), (810, 16169), (825, 16208), (848, 16289), (866, 16346), (878, 16385), (919, 16499), (944, 16529), (945, 16532), (955, 16556), (971, 16592),

Gene: Spooky_20 Start: 16409, Stop: 18106, Start Num: 156
Candidate Starts for Spooky_20:
(122, 16370), (Start: 156 @16409 has 559 MA's), (Start: 169 @16421 has 3 MA's), (Start: 171 @16424 has 28 MA's), (Start: 204 @16472 has 1 MA's), (223, 16499), (238, 16520), (256, 16547), (261, 16562), (266, 16568), (268, 16571), (273, 16583), (286, 16619), (323, 16655), (346, 16712), (362, 16733), (377, 16760), (393, 16787), (495, 16985), (506, 17003), (522, 17012), (525, 17018), (543, 17066), (557, 17096), (570, 17132), (572, 17138), (579, 17159), (581, 17162), (636, 17240), (637, 17243), (654, 17270), (666, 17297), (691, 17369), (710, 17408), (743, 17462), (769, 17534), (783, 17579), (824, 17642), (832, 17669), (833, 17672), (837, 17687), (875, 17771), (878, 17780), (879, 17783), (881, 17789), (887, 17804), (897, 17834), (900, 17840), (909, 17861), (911, 17864), (933, 17918), (945, 17948), (948, 17957), (970, 18008), (980, 18041), (984, 18053), (989, 18071),

Gene: Spoonbill_16 Start: 14813, Stop: 16522, Start Num: 142
Candidate Starts for Spoonbill_16:
(Start: 142 @14813 has 207 MA's), (215, 14900), (Start: 249 @14945 has 2 MA's), (258, 14969), (299, 15074), (301, 15080), (309, 15098), (332, 15128), (390, 15233), (422, 15293), (434, 15314), (437, 15323), (450, 15347), (535, 15422), (536, 15425), (558, 15473), (564, 15488), (566, 15494), (580, 15530), (582, 15533), (589, 15545), (591, 15551), (605, 15599), (611, 15611), (614, 15617), (648, 15677), (653, 15689), (666, 15725), (670, 15737), (700, 15812), (704, 15821), (713, 15839), (715, 15845), (730, 15875), (806, 15980), (812, 15992), (825, 16028), (847, 16106), (885, 16226), (896, 16259), (911, 16289), (919, 16319), (924, 16328), (928, 16334), (944, 16349), (945, 16352), (955, 16376), (968, 16406), (973, 16418), (980, 16448), (992, 16490),

Gene: Spouty_30 Start: 21779, Stop: 23569, Start Num: 156
Candidate Starts for Spouty_30:
(Start: 153 @21776 has 9 MA's), (Start: 156 @21779 has 559 MA's), (323, 22013), (325, 22016), (366, 22088), (367, 22091), (376, 22106), (402, 22145), (406, 22151), (465, 22262), (508, 22349), (550, 22430), (556, 22433), (575, 22493), (635, 22619), (669, 22682), (675, 22706), (677, 22712), (689, 22745), (731, 22826), (775, 22952), (788, 22994), (790, 22997), (821, 23054), (831, 23087), (835, 23102), (866, 23201), (867, 23204), (869, 23216), (899, 23300), (925, 23366), (943, 23405), (945, 23411), (964, 23456), (983, 23513), (984, 23516),

Gene: Sproutie_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for Sproutie_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Squee_28 Start: 21966, Stop: 23768, Start Num: 159
Candidate Starts for Squee_28:
(Start: 159 @21966 has 217 MA's), (Start: 176 @21987 has 45 MA's), (Start: 204 @22029 has 1 MA's), (237, 22074), (367, 22290), (395, 22335), (402, 22344), (421, 22383), (448, 22434), (449, 22437), (556, 22632), (581, 22701), (604, 22761), (674, 22902), (675, 22905), (683, 22926), (730, 23022), (731, 23025), (733, 23031), (762, 23100), (767, 23118), (769, 23127), (777, 23157), (821, 23253), (831, 23286), (835, 23301), (879, 23442), (899, 23499), (945, 23610),

Gene: Squiddly_22 Start: 17821, Stop: 19518, Start Num: 156
Candidate Starts for Squiddly_22:
(122, 17782), (Start: 156 @17821 has 559 MA's), (Start: 169 @17833 has 3 MA's), (Start: 171 @17836 has 28 MA's), (223, 17911), (238, 17932), (256, 17959), (261, 17974), (266, 17980), (268, 17983), (273, 17995), (286, 18031), (Start: 303 @18055 has 11 MA's), (323, 18067), (346, 18124), (362, 18145), (377, 18172), (393, 18199), (414, 18235), (473, 18340), (495, 18397), (506, 18415), (522, 18424), (525, 18430), (543, 18478), (557, 18508), (570, 18544), (572, 18550), (579, 18571), (581, 18574), (636, 18652), (637, 18655), (654, 18682), (666, 18709), (691, 18781), (710, 18820), (743, 18874), (758, 18910), (769, 18946), (783, 18991), (824, 19054), (825, 19057), (832, 19081), (833, 19084), (837, 19099), (875, 19183), (878, 19192), (879, 19195), (881, 19201), (887, 19216), (897, 19246), (900, 19252), (909, 19273), (911, 19276), (933, 19330), (945, 19360), (948, 19369), (970, 19420), (980, 19453), (984, 19465), (989, 19483),

Gene: Squint_33 Start: 25007, Stop: 26740, Start Num: 141
Candidate Starts for Squint_33:
(Start: 141 @25007 has 37 MA's), (Start: 212 @25097 has 47 MA's), (215, 25100), (258, 25175), (272, 25202), (296, 25268), (317, 25304), (334, 25334), (340, 25349), (385, 25433), (407, 25469), (420, 25496), (438, 25535), (457, 25568), (464, 25577), (536, 25634), (552, 25676), (586, 25751), (591, 25763), (611, 25823), (630, 25877), (650, 25907), (658, 25925), (662, 25934), (671, 25967), (675, 25979), (677, 25985), (691, 26024), (715, 26081), (819, 26231), (822, 26249), (835, 26291), (842, 26315), (843, 26318), (847, 26333), (858, 26363), (867, 26393), (885, 26450), (958, 26600), (994, 26720), (998, 26726),

Gene: Squirty_17 Start: 14712, Stop: 16421, Start Num: 142
Candidate Starts for Squirty_17:
(Start: 142 @14712 has 207 MA's), (215, 14799), (Start: 249 @14844 has 2 MA's), (258, 14868), (299, 14973), (301, 14979), (309, 14997), (332, 15027), (390, 15132), (422, 15192), (434, 15213), (437,

15222), (450, 15246), (558, 15372), (564, 15387), (566, 15393), (580, 15429), (589, 15444), (591, 15450), (605, 15498), (611, 15510), (614, 15516), (648, 15576), (653, 15588), (666, 15624), (670, 15636), (700, 15711), (704, 15720), (713, 15738), (715, 15744), (730, 15774), (806, 15879), (810, 15888), (812, 15891), (825, 15927), (847, 16005), (878, 16104), (885, 16125), (896, 16158), (911, 16188), (919, 16218), (924, 16227), (928, 16233), (944, 16248), (945, 16251), (953, 16272), (955, 16275), (968, 16305), (973, 16317), (992, 16389),

Gene: StAB_17 Start: 16311, Stop: 18008, Start Num: 132
Candidate Starts for StAB_17:
(Start: 132 @16311 has 8 MA's), (Start: 148 @16332 has 5 MA's), (Start: 212 @16416 has 47 MA's), (232, 16443), (237, 16449), (318, 16581), (346, 16632), (367, 16665), (382, 16689), (448, 16809), (469, 16842), (477, 16860), (503, 16914), (536, 16959), (562, 17016), (565, 17028), (577, 17067), (622, 17127), (637, 17148), (644, 17157), (670, 17214), (703, 17304), (758, 17412), (773, 17466), (775, 17472), (781, 17490), (837, 17586), (853, 17607), (869, 17652), (929, 17811), (939, 17826), (944, 17841), (948, 17853), (998, 17997),

Gene: StAnnes_16 Start: 14854, Stop: 16563, Start Num: 142
Candidate Starts for StAnnes_16:
(Start: 142 @14854 has 207 MA's), (215, 14941), (Start: 249 @14986 has 2 MA's), (258, 15010), (299, 15115), (301, 15121), (309, 15139), (332, 15169), (390, 15274), (422, 15334), (434, 15355), (437, 15364), (450, 15388), (558, 15514), (564, 15529), (566, 15535), (580, 15571), (582, 15574), (589, 15586), (591, 15592), (605, 15640), (611, 15652), (614, 15658), (648, 15718), (653, 15730), (666, 15766), (670, 15778), (700, 15853), (704, 15862), (713, 15880), (715, 15886), (730, 15916), (806, 16021), (810, 16030), (812, 16033), (825, 16069), (847, 16147), (878, 16246), (885, 16267), (896, 16300), (911, 16330), (919, 16360), (924, 16369), (928, 16375), (944, 16390), (945, 16393), (955, 16417), (968, 16447), (973, 16459), (980, 16489), (992, 16531),

Gene: StCroix_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for StCroix_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Stagni_29 Start: 20381, Stop: 22177, Start Num: 156
Candidate Starts for Stagni_29:
(Start: 156 @20381 has 559 MA's), (Start: 204 @20438 has 1 MA's), (215, 20453), (254, 20507), (259, 20522), (Start: 303 @20609 has 11 MA's), (323, 20621), (325, 20624), (367, 20699), (376, 20714), (400, 20750), (508, 20957), (581, 21110), (615, 21197), (674, 21311), (683, 21335), (689, 21353), (731, 21434), (762, 21509), (767, 21527), (775, 21560), (777, 21566), (790, 21605), (820, 21659), (821, 21662), (828, 21683), (844, 21740), (899, 21908), (943, 22013), (945, 22019), (992, 22154),

Gene: Stank_27 Start: 20336, Stop: 21931, Start Num: 212
Candidate Starts for Stank_27:
(Start: 147 @20252 has 120 MA's), (Start: 212 @20336 has 47 MA's), (Start: 260 @20414 has 1 MA's), (296, 20501), (301, 20516), (332, 20564), (349, 20603), (405, 20690), (420, 20723), (437, 20759), (454, 20789), (457, 20795), (538, 20864), (561, 20894), (565, 20906), (566, 20909), (591, 20966), (650, 21098), (651, 21104), (675, 21170), (677, 21176), (686, 21200), (704, 21248), (715, 21272), (721, 21281), (754, 21356), (810, 21407), (819, 21422), (867, 21584), (875, 21611), (885, 21641), (926, 21746), (971, 21824), (980, 21860), (983, 21869), (992, 21902), (998, 21917),

Gene: Stap_17 Start: 14836, Stop: 16545, Start Num: 142

Candidate Starts for Stap_17:
(Start: 142 @14836 has 207 MA's), (215, 14923), (Start: 249 @14968 has 2 MA's), (258, 14992), (299, 15097), (301, 15103), (309, 15121), (332, 15151), (390, 15256), (422, 15316), (434, 15337), (437, 15346), (450, 15370), (535, 15445), (558, 15496), (564, 15511), (566, 15517), (580, 15553), (582, 15556), (589, 15568), (591, 15574), (605, 15622), (611, 15634), (614, 15640), (648, 15700), (653, 15712), (666, 15748), (670, 15760), (700, 15835), (704, 15844), (713, 15862), (715, 15868), (730, 15898), (806, 16003), (812, 16015), (825, 16051), (847, 16129), (878, 16228), (885, 16249), (896, 16282), (911, 16312), (919, 16342), (922, 16348), (924, 16351), (928, 16357), (944, 16372), (945, 16375), (953, 16396), (955, 16399), (973, 16441), (992, 16513), (993, 16519),

Gene: StarStruck_42 Start: 30437, Stop: 32053, Start Num: 202
Candidate Starts for StarStruck_42:
(Start: 202 @30437 has 36 MA's), (277, 30551), (417, 30818), (458, 30884), (469, 30899), (481, 30923), (482, 30926), (519, 31010), (535, 31040), (540, 31058), (557, 31091), (562, 31100), (567, 31118), (576, 31148), (590, 31172), (654, 31256), (663, 31277), (687, 31325), (704, 31364), (728, 31412), (773, 31538), (785, 31574), (861, 31685), (885, 31760), (968, 31937), (980, 31979), (998, 32036),

Gene: StarStuff_31 Start: 20049, Stop: 21839, Start Num: 156
Candidate Starts for StarStuff_31:
(110, 19983), (Start: 136 @20025 has 48 MA's), (Start: 156 @20049 has 559 MA's), (269, 20202), (323, 20283), (325, 20286), (366, 20358), (367, 20361), (376, 20376), (402, 20415), (406, 20421), (465, 20532), (475, 20550), (508, 20619), (550, 20700), (556, 20703), (615, 20859), (635, 20889), (731, 21096), (775, 21222), (821, 21324), (831, 21357), (835, 21372), (842, 21396), (866, 21471), (867, 21474), (869, 21486), (899, 21570), (933, 21648), (943, 21675), (945, 21681), (964, 21726), (968, 21735), (992, 21816),

Gene: Starburst_19 Start: 15729, Stop: 17429, Start Num: 141
Candidate Starts for Starburst_19:
(Start: 141 @15729 has 37 MA's), (Start: 151 @15732 has 50 MA's), (287, 15942), (367, 16065), (372, 16074), (400, 16116), (445, 16203), (449, 16212), (462, 16233), (473, 16248), (477, 16260), (525, 16338), (530, 16350), (541, 16377), (553, 16410), (567, 16443), (571, 16455), (590, 16497), (666, 16620), (691, 16692), (731, 16770), (736, 16785), (744, 16803), (767, 16860), (821, 16953), (832, 16989), (835, 17001), (837, 17007), (841, 17019), (853, 17028), (878, 17100), (879, 17103), (881, 17109), (885, 17121), (909, 17181), (925, 17226), (931, 17235), (945, 17268), (973, 17334),

Gene: Starcevich_17 Start: 14598, Stop: 16307, Start Num: 142
Candidate Starts for Starcevich_17:
(Start: 142 @14598 has 207 MA's), (215, 14685), (Start: 249 @14730 has 2 MA's), (258, 14754), (299, 14859), (301, 14865), (309, 14883), (332, 14913), (390, 15018), (422, 15078), (432, 15096), (434, 15099), (437, 15108), (450, 15132), (558, 15258), (564, 15273), (566, 15279), (580, 15315), (582, 15318), (589, 15330), (591, 15336), (605, 15384), (611, 15396), (614, 15402), (648, 15462), (653, 15474), (666, 15510), (670, 15522), (700, 15597), (704, 15606), (713, 15624), (715, 15630), (730, 15660), (806, 15765), (812, 15777), (825, 15813), (847, 15891), (885, 16011), (896, 16044), (911, 16074), (913, 16086), (919, 16104), (922, 16110), (924, 16113), (928, 16119), (944, 16134), (945, 16137), (953, 16158), (955, 16161), (973, 16203), (980, 16233), (992, 16275), (993, 16281),

Gene: Stargaze_18 Start: 16978, Stop: 18702, Start Num: 194
Candidate Starts for Stargaze_18:
(Start: 194 @16978 has 44 MA's), (273, 17098), (295, 17161), (311, 17191), (346, 17266), (367, 17317), (371, 17326), (376, 17332), (395, 17362), (400, 17368), (425, 17422), (462, 17485), (488, 17542), (536, 17638), (539, 17647), (557, 17686), (571, 17725), (587, 17761), (731, 18043), (751, 18091), (762, 18118), (771, 18154), (805, 18208), (885, 18406), (893, 18430), (896, 18439), (915,

18487), (983, 18634), (994, 18676), (996, 18679),

Gene: Stark_25 Start: 19504, Stop: 21183, Start Num: 147
Candidate Starts for Stark_25:
(Start: 147 @19504 has 120 MA's), (Start: 212 @19588 has 47 MA's), (Start: 260 @19666 has 1 MA's), (296, 19753), (301, 19768), (332, 19816), (349, 19855), (405, 19942), (420, 19975), (437, 20011), (454, 20041), (457, 20047), (538, 20116), (561, 20146), (565, 20158), (566, 20161), (591, 20218), (650, 20350), (651, 20356), (675, 20422), (677, 20428), (686, 20452), (704, 20500), (715, 20524), (721, 20533), (754, 20608), (810, 20659), (819, 20674), (867, 20836), (875, 20863), (885, 20893), (926, 20998), (971, 21076), (980, 21112), (983, 21121), (992, 21154), (998, 21169),

Gene: Stasia_28 Start: 20265, Stop: 22046, Start Num: 156
Candidate Starts for Stasia_28:
(Start: 136 @20241 has 48 MA's), (Start: 156 @20265 has 559 MA's), (Start: 204 @20325 has 1 MA's), (254, 20394), (259, 20409), (Start: 303 @20496 has 11 MA's), (323, 20508), (325, 20511), (342, 20541), (367, 20586), (376, 20601), (402, 20640), (465, 20757), (508, 20844), (550, 20925), (567, 20958), (572, 20973), (581, 20997), (615, 21084), (636, 21117), (675, 21201), (683, 21222), (689, 21240), (731, 21321), (767, 21414), (769, 21423), (775, 21447), (777, 21453), (782, 21468), (808, 21501), (821, 21531), (828, 21552), (842, 21603), (867, 21681), (875, 21708), (899, 21777), (911, 21801), (943, 21882), (948, 21897), (985, 21999), (992, 22023),

Gene: SteamedHams_20 Start: 15398, Stop: 17095, Start Num: 151
Candidate Starts for SteamedHams_20:
(Start: 141 @15395 has 37 MA's), (Start: 151 @15398 has 50 MA's), (235, 15500), (241, 15512), (287, 15608), (344, 15692), (400, 15782), (430, 15842), (445, 15869), (462, 15899), (465, 15902), (495, 15971), (525, 16004), (530, 16016), (534, 16019), (540, 16040), (541, 16043), (567, 16109), (571, 16121), (666, 16286), (731, 16436), (736, 16451), (744, 16469), (767, 16526), (835, 16667), (837, 16673), (841, 16685), (853, 16694), (878, 16766), (879, 16769), (881, 16775), (885, 16787), (925, 16892), (931, 16901), (945, 16934),

Gene: Steamy_29 Start: 21239, Stop: 23029, Start Num: 156
Candidate Starts for Steamy_29:
(110, 21173), (Start: 136 @21215 has 48 MA's), (Start: 156 @21239 has 559 MA's), (323, 21473), (325, 21476), (342, 21506), (366, 21548), (367, 21551), (379, 21569), (402, 21605), (406, 21611), (465, 21722), (479, 21755), (508, 21809), (550, 21890), (556, 21893), (600, 22010), (635, 22079), (687, 22199), (689, 22205), (731, 22286), (769, 22388), (775, 22412), (788, 22454), (821, 22514), (831, 22547), (835, 22562), (837, 22568), (844, 22592), (855, 22622), (866, 22661), (867, 22664), (869, 22676), (899, 22760), (964, 22916), (992, 23006),

Gene: StellaBean_24 Start: 19745, Stop: 21424, Start Num: 147
Candidate Starts for StellaBean_24:
(Start: 147 @19745 has 120 MA's), (Start: 212 @19829 has 47 MA's), (Start: 260 @19907 has 1 MA's), (296, 19994), (301, 20009), (332, 20057), (349, 20096), (405, 20183), (420, 20216), (437, 20252), (454, 20282), (457, 20288), (538, 20357), (561, 20387), (565, 20399), (566, 20402), (591, 20459), (650, 20591), (651, 20597), (675, 20663), (677, 20669), (686, 20693), (704, 20741), (715, 20765), (721, 20774), (754, 20849), (810, 20900), (819, 20915), (867, 21077), (875, 21104), (885, 21134), (926, 21239), (971, 21317), (980, 21353), (983, 21362), (992, 21395), (998, 21410),

Gene: StepMih_29 Start: 20429, Stop: 22168, Start Num: 204
Candidate Starts for StepMih_29:
(Start: 156 @20372 has 559 MA's), (Start: 204 @20429 has 1 MA's), (215, 20444), (254, 20498), (259, 20513), (Start: 303 @20600 has 11 MA's), (323, 20612), (325, 20615), (367, 20690), (376, 20705), (400, 20741), (508, 20948), (581, 21101), (615, 21188), (674, 21302), (683, 21326), (689, 21344),

(731, 21425), (762, 21500), (767, 21518), (775, 21551), (777, 21557), (790, 21596), (820, 21650), (821, 21653), (828, 21674), (844, 21731), (899, 21899), (943, 22004), (945, 22010), (992, 22145),

Gene: Stephig9_24 Start: 18633, Stop: 20423, Start Num: 156
Candidate Starts for Stephig9_24:
(Start: 136 @18609 has 48 MA's), (Start: 156 @18633 has 559 MA's), (235, 18726), (Start: 260 @18771 has 1 MA's), (325, 18870), (344, 18906), (367, 18945), (376, 18960), (400, 18996), (465, 19116), (469, 19122), (536, 19242), (590, 19371), (615, 19443), (674, 19557), (767, 19773), (775, 19806), (821, 19908), (831, 19941), (835, 19956), (844, 19986), (942, 20256), (945, 20265), (948, 20274), (989, 20388),

Gene: StevieRay_19 Start: 16376, Stop: 18112, Start Num: 137
Candidate Starts for StevieRay_19:
(Start: 121 @16352 has 6 MA's), (Start: 137 @16376 has 45 MA's), (Start: 186 @16436 has 1 MA's), (198, 16457), (201, 16460), (274, 16580), (290, 16619), (300, 16652), (317, 16676), (382, 16796), (405, 16835), (407, 16841), (447, 16925), (450, 16931), (457, 16943), (473, 16967), (485, 16994), (538, 17012), (555, 17051), (558, 17057), (567, 17081), (591, 17135), (594, 17147), (597, 17156), (621, 17216), (658, 17294), (670, 17333), (682, 17366), (704, 17432), (711, 17447), (715, 17456), (726, 17480), (740, 17510), (746, 17522), (822, 17624), (827, 17636), (828, 17639), (830, 17645), (832, 17654), (865, 17762), (892, 17846), (937, 17945), (983, 18053), (998, 18101),

Gene: StewieG_26 Start: 20923, Stop: 22704, Start Num: 176
Candidate Starts for StewieG_26:
(Start: 159 @20902 has 217 MA's), (Start: 176 @20923 has 45 MA's), (Start: 204 @20965 has 1 MA's), (237, 21010), (367, 21226), (395, 21271), (402, 21280), (421, 21319), (448, 21370), (449, 21373), (556, 21568), (581, 21637), (674, 21838), (675, 21841), (683, 21862), (730, 21958), (731, 21961), (733, 21967), (762, 22036), (767, 22054), (769, 22063), (777, 22093), (821, 22189), (831, 22222), (835, 22237), (879, 22378), (899, 22435), (945, 22546),

Gene: Stickynote_33 Start: 28749, Stop: 30347, Start Num: 211
Candidate Starts for Stickynote_33:
(Start: 211 @28749 has 16 MA's), (307, 28917), (331, 28956), (404, 29091), (433, 29151), (522, 29304), (529, 29316), (534, 29325), (535, 29328), (551, 29373), (562, 29388), (564, 29397), (590, 29460), (596, 29478), (643, 29532), (747, 29748), (778, 29841), (849, 29949), (870, 30003), (895, 30078), (954, 30207), (997, 30333),

Gene: Stiles_17 Start: 16089, Stop: 17786, Start Num: 132
Candidate Starts for Stiles_17:
(Start: 132 @16089 has 8 MA's), (Start: 148 @16110 has 5 MA's), (Start: 212 @16194 has 47 MA's), (232, 16221), (237, 16227), (318, 16359), (346, 16410), (367, 16443), (382, 16467), (448, 16587), (469, 16620), (477, 16638), (503, 16692), (536, 16737), (562, 16794), (565, 16806), (577, 16845), (622, 16905), (637, 16926), (644, 16935), (670, 16992), (703, 17082), (758, 17190), (773, 17244), (775, 17250), (781, 17268), (837, 17364), (853, 17385), (869, 17430), (929, 17589), (939, 17604), (944, 17619), (948, 17631), (998, 17775),

Gene: Stink_28 Start: 20106, Stop: 21905, Start Num: 156
Candidate Starts for Stink_28:
(Start: 136 @20082 has 48 MA's), (Start: 156 @20106 has 559 MA's), (Start: 162 @20112 has 5 MA's), (Start: 204 @20166 has 1 MA's), (254, 20235), (286, 20313), (Start: 303 @20337 has 11 MA's), (323, 20349), (325, 20352), (367, 20427), (376, 20442), (402, 20481), (449, 20574), (465, 20598), (508, 20685), (567, 20799), (615, 20925), (644, 20970), (674, 21039), (683, 21063), (687, 21075), (731, 21162), (762, 21237), (767, 21255), (775, 21288), (777, 21294), (782, 21309), (820, 21387), (821, 21390), (828, 21411), (899, 21636), (933, 21714), (934, 21717), (943, 21741), (945, 21747),

(992, 21882), (1000, 21900),

Gene: Stinson_23 Start: 17121, Stop: 18887, Start Num: 178
Candidate Starts for Stinson_23:
(Start: 178 @17121 has 139 MA's), (198, 17151), (284, 17310), (295, 17343), (311, 17373), (329, 17406), (335, 17418), (371, 17508), (395, 17544), (400, 17550), (436, 17622), (441, 17631), (465, 17670), (484, 17715), (491, 17736), (492, 17739), (536, 17811), (551, 17853), (557, 17859), (567, 17886), (579, 17922), (607, 17979), (647, 18024), (656, 18042), (676, 18102), (688, 18132), (702, 18159), (751, 18264), (779, 18354), (821, 18423), (832, 18459), (841, 18489), (853, 18498), (879, 18573), (896, 18624), (948, 18723), (971, 18774), (993, 18858), (994, 18861), (1004, 18879),

Gene: StolenFromERC_26 Start: 19736, Stop: 21415, Start Num: 147
Candidate Starts for StolenFromERC_26:
(Start: 147 @19736 has 120 MA's), (Start: 212 @19820 has 47 MA's), (Start: 260 @19898 has 1 MA's), (296, 19985), (301, 20000), (332, 20048), (349, 20087), (405, 20174), (420, 20207), (437, 20243), (454, 20273), (457, 20279), (538, 20348), (561, 20378), (565, 20390), (566, 20393), (591, 20450), (650, 20582), (651, 20588), (675, 20654), (677, 20660), (686, 20684), (704, 20732), (715, 20756), (721, 20765), (754, 20840), (810, 20891), (819, 20906), (867, 21068), (875, 21095), (885, 21125), (926, 21230), (971, 21308), (980, 21344), (983, 21353), (992, 21386), (998, 21401),

Gene: StormChicken_24 Start: 20004, Stop: 21599, Start Num: 212
Candidate Starts for StormChicken_24:
(Start: 147 @19920 has 120 MA's), (Start: 212 @20004 has 47 MA's), (Start: 260 @20082 has 1 MA's), (296, 20169), (301, 20184), (332, 20232), (349, 20271), (405, 20358), (420, 20391), (437, 20427), (454, 20457), (457, 20463), (538, 20532), (561, 20562), (565, 20574), (566, 20577), (591, 20634), (650, 20766), (651, 20772), (675, 20838), (677, 20844), (686, 20868), (704, 20916), (715, 20940), (721, 20949), (754, 21024), (810, 21075), (819, 21090), (867, 21252), (875, 21279), (885, 21309), (926, 21414), (971, 21492), (980, 21528), (983, 21537), (992, 21570), (998, 21585),

Gene: StorminNorm_34 Start: 29521, Stop: 31284, Start Num: 111
Candidate Starts for StorminNorm_34:
(Start: 111 @29521 has 74 MA's), (Start: 131 @29557 has 1 MA's), (232, 29686), (238, 29695), (285, 29791), (289, 29800), (340, 29869), (367, 29920), (395, 29965), (406, 29980), (414, 29998), (448, 30061), (475, 30106), (478, 30115), (541, 30226), (543, 30235), (550, 30250), (562, 30274), (571, 30304), (689, 30526), (695, 30544), (699, 30559), (730, 30601), (731, 30604), (740, 30631), (785, 30751), (824, 30814), (879, 30955), (880, 30958), (896, 31006), (909, 31033), (917, 31060), (943, 31114), (952, 31141),

Gene: StressBall_19 Start: 16273, Stop: 18009, Start Num: 137
Candidate Starts for StressBall_19:
(Start: 121 @16249 has 6 MA's), (Start: 137 @16273 has 45 MA's), (Start: 186 @16333 has 1 MA's), (198, 16354), (201, 16357), (274, 16477), (290, 16516), (300, 16549), (317, 16573), (382, 16693), (405, 16732), (407, 16738), (447, 16822), (450, 16828), (457, 16840), (473, 16864), (485, 16891), (538, 16909), (555, 16948), (558, 16954), (567, 16978), (591, 17032), (594, 17044), (597, 17053), (621, 17113), (658, 17191), (670, 17230), (682, 17263), (704, 17329), (715, 17353), (726, 17377), (740, 17407), (822, 17521), (827, 17533), (830, 17542), (832, 17551), (865, 17659), (892, 17743), (937, 17842), (983, 17950), (998, 17998),

Gene: Strobilo_19 Start: 15016, Stop: 16785, Start Num: 176
Candidate Starts for Strobilo_19:
(Start: 146 @14980 has 1 MA's), (Start: 171 @15010 has 28 MA's), (Start: 176 @15016 has 45 MA's), (Start: 195 @15031 has 1 MA's), (228, 15073), (256, 15121), (272, 15160), (277, 15175), (295, 15226), (311, 15256), (329, 15289), (335, 15301), (342, 15319), (371, 15391), (376, 15397), (430, 15493),

(436, 15505), (488, 15607), (492, 15622), (509, 15658), (536, 15694), (557, 15742), (571, 15781), (579, 15805), (587, 15817), (647, 15907), (651, 15916), (730, 16111), (751, 16162), (769, 16216), (784, 16270), (841, 16384), (853, 16393), (879, 16468), (896, 16519), (899, 16525), (948, 16621), (972, 16675), (993, 16756), (1004, 16777),

Gene: Strokeseat_16 Start: 14904, Stop: 16613, Start Num: 142
Candidate Starts for Strokeseat_16:
(Start: 142 @14904 has 207 MA's), (215, 14991), (Start: 249 @15036 has 2 MA's), (258, 15060), (299, 15165), (301, 15171), (309, 15189), (332, 15219), (390, 15324), (422, 15384), (434, 15405), (437, 15414), (450, 15438), (558, 15564), (564, 15579), (566, 15585), (580, 15621), (582, 15624), (589, 15636), (591, 15642), (605, 15690), (611, 15702), (614, 15708), (648, 15768), (653, 15780), (666, 15816), (670, 15828), (700, 15903), (704, 15912), (713, 15930), (715, 15936), (730, 15966), (806, 16071), (810, 16080), (812, 16083), (825, 16119), (847, 16197), (878, 16296), (885, 16317), (896, 16350), (911, 16380), (919, 16410), (924, 16419), (928, 16425), (944, 16440), (945, 16443), (955, 16467), (968, 16497), (973, 16509), (980, 16539), (992, 16581),

Gene: StrongArm_26 Start: 22101, Stop: 23903, Start Num: 159
Candidate Starts for StrongArm_26:
(Start: 159 @22101 has 217 MA's), (Start: 176 @22122 has 45 MA's), (Start: 204 @22164 has 1 MA's), (237, 22209), (367, 22425), (395, 22470), (402, 22479), (421, 22518), (448, 22569), (449, 22572), (556, 22767), (581, 22836), (674, 23037), (675, 23040), (683, 23061), (730, 23157), (731, 23160), (733, 23166), (762, 23235), (767, 23253), (769, 23262), (777, 23292), (821, 23388), (831, 23421), (835, 23436), (844, 23466), (879, 23577), (899, 23634), (945, 23745),

Gene: Strosahl_30 Start: 19057, Stop: 20844, Start Num: 156
Candidate Starts for Strosahl_30:
(110, 18991), (Start: 136 @19033 has 48 MA's), (Start: 156 @19057 has 559 MA's), (Start: 260 @19195 has 1 MA's), (285, 19252), (325, 19294), (344, 19330), (367, 19369), (409, 19438), (421, 19462), (449, 19516), (536, 19666), (556, 19711), (567, 19741), (579, 19777), (600, 19828), (613, 19864), (644, 19912), (671, 19972), (730, 20101), (762, 20179), (835, 20380), (837, 20386), (867, 20482), (929, 20647), (971, 20746),

Gene: Stultus_33 Start: 29892, Stop: 31655, Start Num: 111
Candidate Starts for Stultus_33:
(104, 29874), (Start: 111 @29892 has 74 MA's), (Start: 131 @29928 has 1 MA's), (238, 30066), (285, 30162), (289, 30171), (340, 30240), (367, 30291), (395, 30336), (406, 30351), (448, 30432), (475, 30477), (478, 30486), (535, 30576), (543, 30606), (550, 30621), (562, 30645), (571, 30675), (689, 30897), (695, 30915), (699, 30930), (723, 30960), (730, 30972), (731, 30975), (740, 31002), (879, 31326), (880, 31329), (896, 31377), (909, 31404), (917, 31431), (943, 31485), (952, 31512), (994, 31641),

Gene: Suerte_18 Start: 16811, Stop: 18391, Start Num: 213
Candidate Starts for Suerte_18:
(123, 16694), (Start: 213 @16811 has 53 MA's), (358, 17069), (369, 17090), (406, 17144), (423, 17183), (455, 17240), (469, 17261), (585, 17432), (592, 17450), (606, 17474), (631, 17495), (663, 17537), (691, 17618), (730, 17708), (747, 17753), (768, 17810), (769, 17813), (784, 17867), (836, 17957), (948, 18236), (951, 18245), (965, 18275),

Gene: Sukkupi_43 Start: 29457, Stop: 31073, Start Num: 202
Candidate Starts for Sukkupi_43:
(Start: 202 @29457 has 36 MA's), (209, 29466), (Start: 211 @29469 has 16 MA's), (Start: 231 @29493 has 1 MA's), (277, 29571), (367, 29754), (406, 29811), (410, 29823), (417, 29838), (458, 29904), (469, 29919), (481, 29943), (519, 30030), (522, 30036), (535, 30060), (562, 30120), (571, 30150), (577,

30171), (654, 30276), (663, 30297), (704, 30384), (728, 30432), (773, 30558), (785, 30594), (878, 30759), (884, 30777), (896, 30813), (976, 30987), (980, 30999), (998, 31056),

Gene: Sulley_23 Start: 17121, Stop: 18887, Start Num: 178
Candidate Starts for Sulley_23:
(Start: 178 @17121 has 139 MA's), (198, 17151), (284, 17310), (295, 17343), (311, 17373), (329, 17406), (335, 17418), (371, 17508), (400, 17550), (436, 17622), (441, 17631), (465, 17670), (484, 17715), (491, 17736), (492, 17739), (527, 17793), (536, 17811), (551, 17853), (557, 17859), (567, 17886), (647, 18024), (656, 18042), (670, 18084), (676, 18102), (688, 18132), (702, 18159), (751, 18264), (821, 18423), (832, 18459), (841, 18489), (853, 18498), (879, 18573), (896, 18624), (983, 18819), (993, 18858), (994, 18861), (1004, 18879),

Gene: SummitAcademy_17 Start: 15495, Stop: 17189, Start Num: 151
Candidate Starts for SummitAcademy_17:
(Start: 141 @15492 has 37 MA's), (Start: 151 @15495 has 50 MA's), (235, 15594), (259, 15636), (400, 15876), (445, 15963), (456, 15984), (462, 15993), (477, 16020), (495, 16065), (525, 16098), (534, 16113), (541, 16137), (553, 16170), (567, 16203), (571, 16215), (594, 16272), (635, 16320), (652, 16350), (666, 16380), (671, 16395), (688, 16443), (707, 16494), (731, 16530), (736, 16545), (744, 16563), (767, 16620), (769, 16629), (832, 16749), (835, 16761), (862, 16809), (878, 16860), (879, 16863), (885, 16881), (914, 16959), (925, 16986), (945, 17028), (994, 17175), (998, 17181),

Gene: Sumter_26 Start: 20650, Stop: 22452, Start Num: 159
Candidate Starts for Sumter_26:
(Start: 159 @20650 has 217 MA's), (Start: 176 @20671 has 45 MA's), (Start: 204 @20713 has 1 MA's), (237, 20758), (367, 20974), (395, 21019), (402, 21028), (448, 21118), (449, 21121), (556, 21316), (581, 21385), (674, 21586), (675, 21589), (683, 21610), (730, 21706), (731, 21709), (733, 21715), (762, 21784), (767, 21802), (769, 21811), (777, 21841), (821, 21937), (831, 21970), (835, 21985), (879, 22126), (899, 22183), (945, 22294),

Gene: Sunflower1121_21 Start: 16226, Stop: 17992, Start Num: 178
Candidate Starts for Sunflower1121_21:
(Start: 171 @16217 has 28 MA's), (Start: 178 @16226 has 139 MA's), (198, 16256), (272, 16382), (277, 16397), (284, 16415), (295, 16448), (311, 16478), (335, 16523), (371, 16613), (395, 16649), (436, 16727), (441, 16736), (491, 16841), (492, 16844), (534, 16910), (536, 16916), (551, 16958), (557, 16964), (567, 16991), (656, 17147), (676, 17207), (724, 17309), (731, 17321), (751, 17369), (774, 17444), (782, 17468), (821, 17528), (832, 17564), (841, 17594), (879, 17678), (896, 17729), (899, 17735), (948, 17828), (993, 17963), (994, 17966), (1004, 17984),

Gene: Sunhee_27 Start: 19447, Stop: 21246, Start Num: 156
Candidate Starts for Sunhee_27:
(Start: 153 @19444 has 9 MA's), (Start: 156 @19447 has 559 MA's), (269, 19600), (289, 19651), (325, 19684), (366, 19756), (367, 19759), (402, 19813), (406, 19819), (465, 19930), (469, 19936), (484, 19975), (488, 19984), (508, 20017), (546, 20092), (550, 20098), (556, 20101), (575, 20161), (617, 20263), (636, 20290), (669, 20350), (675, 20374), (689, 20413), (723, 20479), (731, 20494), (803, 20692), (819, 20719), (831, 20764), (835, 20779), (837, 20785), (866, 20878), (869, 20893), (943, 21082), (945, 21088), (948, 21097), (964, 21133), (993, 21229),

Gene: Sunshine924_26 Start: 20656, Stop: 22458, Start Num: 159
Candidate Starts for Sunshine924_26:
(Start: 159 @20656 has 217 MA's), (Start: 176 @20677 has 45 MA's), (Start: 204 @20719 has 1 MA's), (237, 20764), (367, 20980), (395, 21025), (402, 21034), (421, 21073), (448, 21124), (449, 21127), (556, 21322), (581, 21391), (674, 21592), (675, 21595), (683, 21616), (730, 21712), (731, 21715), (733, 21721), (762, 21790), (767, 21808), (769, 21817), (777, 21847), (821, 21943), (831,

21976), (835, 21991), (879, 22132), (899, 22189), (945, 22300), (1000, 22453),

Gene: SuperAwesome_31 Start: 19969, Stop: 21741, Start Num: 156
Candidate Starts for SuperAwesome_31:
(110, 19903), (Start: 136 @19945 has 48 MA's), (Start: 156 @19969 has 559 MA's), (286, 20167), (325, 20206), (366, 20278), (367, 20281), (379, 20299), (402, 20335), (406, 20341), (465, 20452), (469, 20458), (484, 20497), (508, 20539), (536, 20578), (550, 20620), (556, 20623), (575, 20683), (684, 20920), (689, 20935), (731, 21016), (777, 21148), (835, 21274), (852, 21325), (855, 21334), (866, 21373), (867, 21376), (869, 21388), (899, 21472), (943, 21577), (945, 21583), (992, 21718),

Gene: SuperCallie99_31 Start: 19968, Stop: 21740, Start Num: 156
Candidate Starts for SuperCallie99_31:
(110, 19902), (Start: 136 @19944 has 48 MA's), (Start: 156 @19968 has 559 MA's), (286, 20166), (325, 20205), (366, 20277), (367, 20280), (379, 20298), (402, 20334), (406, 20340), (465, 20451), (469, 20457), (484, 20496), (508, 20538), (536, 20577), (550, 20619), (556, 20622), (575, 20682), (684, 20919), (689, 20934), (731, 21015), (777, 21147), (835, 21273), (852, 21324), (855, 21333), (866, 21372), (867, 21375), (869, 21387), (899, 21471), (943, 21576), (945, 21582), (992, 21717),

Gene: SuperGrey_17 Start: 15480, Stop: 17189, Start Num: 142
Candidate Starts for SuperGrey_17:
(Start: 142 @15480 has 207 MA's), (215, 15567), (Start: 249 @15612 has 2 MA's), (258, 15636), (299, 15741), (301, 15747), (309, 15765), (332, 15795), (390, 15900), (422, 15960), (434, 15981), (437, 15990), (450, 16014), (475, 16056), (535, 16089), (539, 16101), (544, 16116), (546, 16122), (558, 16140), (564, 16155), (566, 16161), (580, 16197), (582, 16200), (589, 16212), (591, 16218), (593, 16227), (605, 16266), (611, 16278), (614, 16284), (648, 16344), (653, 16356), (666, 16392), (670, 16404), (700, 16479), (704, 16488), (713, 16506), (715, 16512), (730, 16542), (806, 16647), (810, 16656), (812, 16659), (825, 16695), (847, 16773), (885, 16893), (911, 16956), (919, 16986), (924, 16995), (928, 17001), (944, 17016), (945, 17019), (955, 17043), (968, 17073), (973, 17085), (992, 17157),

Gene: SuperSulley_42 Start: 30625, Stop: 32241, Start Num: 202
Candidate Starts for SuperSulley_42:
(Start: 202 @30625 has 36 MA's), (Start: 211 @30637 has 16 MA's), (277, 30739), (313, 30823), (417, 31006), (458, 31072), (469, 31087), (481, 31111), (519, 31198), (535, 31228), (536, 31231), (562, 31288), (590, 31360), (663, 31465), (704, 31552), (728, 31600), (773, 31726), (785, 31762), (861, 31873), (885, 31948), (968, 32125), (980, 32167), (998, 32224),

Gene: Superchunk_27 Start: 18835, Stop: 20625, Start Num: 156
Candidate Starts for Superchunk_27:
(110, 18769), (Start: 136 @18811 has 48 MA's), (Start: 156 @18835 has 559 MA's), (Start: 176 @18844 has 45 MA's), (269, 18988), (323, 19069), (325, 19072), (366, 19144), (367, 19147), (376, 19162), (402, 19201), (406, 19207), (465, 19318), (469, 19324), (479, 19351), (508, 19405), (550, 19486), (556, 19489), (615, 19645), (635, 19675), (674, 19759), (689, 19801), (712, 19852), (731, 19882), (775, 20008), (793, 20062), (813, 20089), (819, 20098), (821, 20110), (831, 20143), (835, 20158), (842, 20182), (866, 20257), (867, 20260), (869, 20272), (899, 20356), (943, 20461), (964, 20512), (968, 20521), (992, 20602),

Gene: Superphikiman_34 Start: 25162, Stop: 26805, Start Num: 212
Candidate Starts for Superphikiman_34:
(Start: 141 @25072 has 37 MA's), (Start: 212 @25162 has 47 MA's), (215, 25165), (258, 25240), (272, 25267), (296, 25333), (317, 25369), (334, 25399), (340, 25414), (385, 25498), (407, 25534), (420, 25561), (438, 25600), (457, 25633), (464, 25642), (536, 25699), (552, 25741), (586, 25816), (591, 25828), (611, 25888), (630, 25942), (650, 25972), (658, 25990), (662, 25999), (671, 26032), (675,

26044), (677, 26050), (691, 26089), (715, 26146), (819, 26296), (822, 26314), (835, 26356), (842, 26380), (843, 26383), (847, 26398), (858, 26428), (867, 26458), (885, 26515), (958, 26665), (994, 26785), (998, 26791),

Gene: Survivors_20 Start: 16559, Stop: 18253, Start Num: 151
Candidate Starts for Survivors_20:
(57, 16235), (Start: 151 @16559 has 50 MA's), (341, 16844), (342, 16847), (367, 16892), (377, 16907), (421, 16985), (445, 17030), (495, 17132), (510, 17153), (525, 17165), (530, 17177), (534, 17180), (553, 17237), (567, 17270), (572, 17285), (598, 17351), (637, 17393), (644, 17402), (666, 17447), (688, 17510), (730, 17591), (736, 17609), (740, 17618), (744, 17627), (767, 17684), (769, 17693), (835, 17825), (853, 17852), (862, 17873), (878, 17924), (879, 17927), (914, 18023), (925, 18050), (931, 18059), (933, 18062), (945, 18092), (951, 18110), (972, 18155), (998, 18245),

Gene: Suscepit_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Suscepit_19:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: SwagPigglett_16 Start: 14813, Stop: 16522, Start Num: 142
Candidate Starts for SwagPigglett_16:
(Start: 142 @14813 has 207 MA's), (215, 14900), (Start: 249 @14945 has 2 MA's), (258, 14969), (282, 15026), (299, 15074), (301, 15080), (309, 15098), (332, 15128), (390, 15233), (419, 15287), (422, 15293), (425, 15302), (437, 15323), (450, 15347), (473, 15383), (475, 15389), (535, 15422), (536, 15425), (539, 15434), (544, 15449), (546, 15455), (558, 15473), (564, 15488), (566, 15494), (572, 15512), (573, 15515), (580, 15530), (589, 15545), (591, 15551), (605, 15599), (611, 15611), (614, 15617), (648, 15677), (653, 15689), (666, 15725), (670, 15737), (700, 15812), (704, 15821), (713, 15839), (715, 15845), (730, 15875), (806, 15980), (812, 15992), (825, 16028), (847, 16106), (885, 16226), (896, 16259), (911, 16289), (913, 16301), (919, 16319), (922, 16325), (924, 16328), (928, 16334), (944, 16349), (945, 16352), (953, 16373), (955, 16376), (973, 16418), (980, 16448), (992, 16490), (993, 16496),

Gene: Swann_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for Swann_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: SweatNTears_20 Start: 15891, Stop: 17588, Start Num: 151
Candidate Starts for SweatNTears_20:
(122, 15861), (Start: 141 @15888 has 37 MA's), (Start: 151 @15891 has 50 MA's), (287, 16101), (395, 16269), (400, 16275), (456, 16383), (477, 16419), (488, 16449), (495, 16464), (525, 16497), (530, 16509), (543, 16545), (567, 16602), (571, 16614), (644, 16734), (655, 16755), (666, 16779), (731, 16929), (736, 16944), (744, 16962), (767, 17019), (832, 17148), (835, 17160), (841, 17178), (853, 17187), (878, 17259), (879, 17262), (881, 17268), (885, 17280), (925, 17385), (931, 17394), (945, 17427), (989, 17553),

Gene: SweetiePie_28 Start: 20118, Stop: 21890, Start Num: 156
Candidate Starts for SweetiePie_28:

(110, 20052), (Start: 136 @20094 has 48 MA's), (Start: 156 @20118 has 559 MA's), (238, 20217), (281, 20301), (323, 20352), (325, 20355), (366, 20427), (367, 20430), (402, 20484), (421, 20523), (445, 20568), (465, 20601), (508, 20688), (550, 20769), (556, 20772), (675, 21045), (731, 21165), (775, 21291), (808, 21345), (831, 21408), (835, 21423), (837, 21429), (855, 21483), (866, 21522), (869, 21537), (899, 21621), (945, 21732), (992, 21867),

Gene: Sweets_18 Start: 16635, Stop: 18398, Start Num: 171
Candidate Starts for Sweets_18:
(Start: 171 @16635 has 28 MA's), (Start: 194 @16644 has 44 MA's), (Start: 196 @16650 has 2 MA's), (201, 16656), (277, 16788), (295, 16839), (311, 16869), (325, 16893), (367, 16995), (391, 17034), (395, 17040), (406, 17055), (425, 17100), (488, 17220), (513, 17277), (536, 17316), (557, 17364), (567, 17391), (571, 17403), (607, 17484), (647, 17529), (731, 17727), (743, 17757), (751, 17775), (762, 17802), (785, 17886), (805, 17904), (818, 17919), (831, 17967), (835, 17982), (867, 18045), (885, 18102), (899, 18141), (915, 18183), (948, 18234), (983, 18330), (1004, 18390),

Gene: SwirlSquare_30 Start: 18974, Stop: 20788, Start Num: 136
Candidate Starts for SwirlSquare_30:
(110, 18932), (Start: 136 @18974 has 48 MA's), (Start: 156 @18998 has 559 MA's), (323, 19232), (325, 19235), (366, 19307), (367, 19310), (376, 19325), (469, 19487), (475, 19499), (508, 19568), (542, 19628), (550, 19649), (556, 19652), (615, 19808), (635, 19838), (674, 19922), (712, 20015), (731, 20045), (775, 20171), (821, 20273), (831, 20306), (835, 20321), (866, 20420), (867, 20423), (869, 20435), (899, 20519), (943, 20624), (968, 20684), (992, 20765),

Gene: Swirley_24 Start: 19634, Stop: 21430, Start Num: 156
Candidate Starts for Swirley_24:
(Start: 156 @19634 has 559 MA's), (241, 19739), (Start: 260 @19772 has 1 MA's), (325, 19871), (367, 19946), (376, 19961), (400, 19997), (436, 20069), (445, 20084), (469, 20123), (567, 20318), (575, 20348), (579, 20354), (644, 20489), (670, 20546), (671, 20549), (674, 20558), (689, 20600), (694, 20618), (730, 20678), (731, 20681), (767, 20774), (769, 20783), (775, 20807), (820, 20915), (831, 20951), (899, 21161), (942, 21263), (945, 21272), (986, 21386), (992, 21407), (994, 21416),

Gene: SwissCheese_28 Start: 21594, Stop: 23396, Start Num: 159
Candidate Starts for SwissCheese_28:
(Start: 159 @21594 has 217 MA's), (Start: 176 @21615 has 45 MA's), (Start: 204 @21657 has 1 MA's), (237, 21702), (367, 21918), (395, 21963), (402, 21972), (421, 22011), (448, 22062), (449, 22065), (556, 22260), (581, 22329), (674, 22530), (675, 22533), (683, 22554), (730, 22650), (731, 22653), (733, 22659), (762, 22728), (767, 22746), (769, 22755), (777, 22785), (821, 22881), (831, 22914), (835, 22929), (844, 22959), (879, 23070), (899, 23127), (945, 23238),

Gene: Switzer_28 Start: 21233, Stop: 23035, Start Num: 159
Candidate Starts for Switzer_28:
(Start: 159 @21233 has 217 MA's), (Start: 176 @21254 has 45 MA's), (Start: 204 @21296 has 1 MA's), (237, 21341), (367, 21557), (395, 21602), (402, 21611), (421, 21650), (448, 21701), (449, 21704), (556, 21899), (581, 21968), (674, 22169), (675, 22172), (683, 22193), (730, 22289), (731, 22292), (733, 22298), (762, 22367), (767, 22385), (769, 22394), (777, 22424), (821, 22520), (831, 22553), (835, 22568), (879, 22709), (899, 22766), (945, 22877), (1000, 23030),

Gene: Switzerland_30 Start: 19208, Stop: 20995, Start Num: 156
Candidate Starts for Switzerland_30:
(110, 19142), (Start: 136 @19184 has 48 MA's), (Start: 156 @19208 has 559 MA's), (Start: 260 @19346 has 1 MA's), (285, 19403), (325, 19445), (344, 19481), (367, 19520), (409, 19589), (421, 19613), (449, 19667), (536, 19817), (556, 19862), (567, 19892), (579, 19928), (600, 19979), (613, 20015), (644, 20063), (671, 20123), (730, 20252), (762, 20330), (835, 20531), (837, 20537), (867,

20633), (929, 20798), (971, 20897),

Gene: Swole_29 Start: 21585, Stop: 23387, Start Num: 159
Candidate Starts for Swole_29:
(Start: 159 @21585 has 217 MA's), (Start: 176 @21606 has 45 MA's), (Start: 204 @21648 has 1 MA's), (237, 21693), (367, 21909), (395, 21954), (402, 21963), (421, 22002), (448, 22053), (449, 22056), (556, 22251), (581, 22320), (674, 22521), (675, 22524), (683, 22545), (730, 22641), (731, 22644), (733, 22650), (762, 22719), (767, 22737), (769, 22746), (777, 22776), (821, 22872), (831, 22905), (835, 22920), (879, 23061), (899, 23118), (945, 23229),

Gene: SydNat_24 Start: 19916, Stop: 21715, Start Num: 156
Candidate Starts for SydNat_24:
(Start: 156 @19916 has 559 MA's), (Start: 260 @20054 has 1 MA's), (325, 20153), (367, 20228), (400, 20279), (436, 20351), (445, 20366), (465, 20399), (469, 20405), (522, 20498), (567, 20600), (575, 20630), (579, 20636), (615, 20726), (635, 20756), (674, 20840), (675, 20843), (689, 20882), (694, 20900), (730, 20960), (731, 20963), (767, 21056), (820, 21197), (833, 21239), (945, 21557), (992, 21692), (994, 21701),

Gene: Syleon_28 Start: 21873, Stop: 23624, Start Num: 167
Candidate Starts for Syleon_28:
(Start: 149 @21858 has 1 MA's), (Start: 167 @21873 has 22 MA's), (Start: 181 @21894 has 15 MA's), (184, 21897), (223, 21954), (238, 21975), (241, 21981), (Start: 260 @22008 has 1 MA's), (270, 22026), (274, 22035), (275, 22038), (296, 22098), (342, 22173), (350, 22194), (366, 22233), (445, 22377), (478, 22437), (479, 22443), (485, 22458), (508, 22497), (546, 22566), (552, 22575), (562, 22590), (564, 22599), (572, 22623), (579, 22644), (602, 22698), (622, 22716), (668, 22797), (670, 22809), (678, 22833), (731, 22947), (771, 23055), (778, 23079), (808, 23106), (826, 23151), (860, 23226), (862, 23232), (881, 23292), (899, 23343), (914, 23379), (943, 23430), (945, 23436), (954, 23460), (964, 23499), (971, 23514), (977, 23541), (986, 23571), (990, 23583), (1002, 23613),

Gene: Syra333_22 Start: 16321, Stop: 18087, Start Num: 178
Candidate Starts for Syra333_22:
(Start: 171 @16312 has 28 MA's), (Start: 178 @16321 has 139 MA's), (198, 16351), (Start: 219 @16378 has 2 MA's), (272, 16477), (277, 16492), (284, 16510), (295, 16543), (311, 16573), (335, 16618), (371, 16708), (395, 16744), (436, 16822), (441, 16831), (491, 16936), (492, 16939), (534, 17005), (536, 17011), (557, 17059), (563, 17074), (656, 17242), (676, 17302), (702, 17359), (724, 17404), (731, 17416), (751, 17464), (782, 17563), (821, 17623), (832, 17659), (879, 17773), (896, 17824), (899, 17830), (948, 17923), (993, 18058), (994, 18061), (1004, 18079),

Gene: TBond007_22 Start: 17357, Stop: 19120, Start Num: 178
Candidate Starts for TBond007_22:
(Start: 171 @17348 has 28 MA's), (Start: 178 @17357 has 139 MA's), (255, 17459), (277, 17516), (295, 17567), (311, 17597), (325, 17621), (436, 17852), (441, 17861), (448, 17873), (491, 17966), (492, 17969), (536, 18041), (539, 18050), (551, 18083), (557, 18089), (571, 18128), (587, 18164), (647, 18254), (671, 18317), (707, 18404), (751, 18497), (774, 18572), (821, 18653), (835, 18701), (851, 18725), (863, 18752), (881, 18809), (896, 18854), (948, 18956), (962, 18983), (980, 19043), (983, 19052), (989, 19073), (993, 19091), (996, 19097), (1004, 19112),

Gene: TBrady12_26 Start: 19820, Stop: 21415, Start Num: 212
Candidate Starts for TBrady12_26:
(Start: 147 @19736 has 120 MA's), (Start: 212 @19820 has 47 MA's), (Start: 260 @19898 has 1 MA's), (296, 19985), (301, 20000), (332, 20048), (349, 20087), (405, 20174), (420, 20207), (437, 20243), (454, 20273), (457, 20279), (538, 20348), (561, 20378), (565, 20390), (566, 20393), (591, 20450), (650, 20582), (651, 20588), (675, 20654), (677, 20660), (686, 20684), (704, 20732), (715,

20756), (721, 20765), (754, 20840), (810, 20891), (819, 20906), (867, 21068), (875, 21095), (885, 21125), (926, 21230), (971, 21308), (980, 21344), (983, 21353), (992, 21386), (998, 21401),

Gene: TChen_17 Start: 15346, Stop: 17073, Start Num: 129
Candidate Starts for TChen_17:
(Start: 129 @15346 has 1 MA's), (Start: 135 @15352 has 1 MA's), (Start: 138 @15358 has 1 MA's), (Start: 150 @15370 has 1 MA's), (155, 15376), (Start: 249 @15496 has 2 MA's), (258, 15520), (269, 15544), (299, 15625), (301, 15631), (309, 15649), (332, 15679), (425, 15853), (437, 15874), (438, 15877), (459, 15913), (482, 15952), (546, 16006), (558, 16024), (559, 16027), (564, 16039), (566, 16045), (580, 16081), (591, 16102), (596, 16120), (605, 16150), (611, 16162), (614, 16168), (648, 16228), (666, 16276), (683, 16321), (700, 16363), (704, 16372), (715, 16396), (730, 16426), (746, 16471), (806, 16531), (810, 16540), (812, 16543), (825, 16579), (848, 16660), (890, 16789), (896, 16810), (911, 16840), (919, 16870), (924, 16879), (928, 16885), (944, 16900), (945, 16903), (998, 17056),

Gene: TClif_22 Start: 16354, Stop: 18120, Start Num: 178
Candidate Starts for TClif_22:
(Start: 146 @16315 has 1 MA's), (Start: 171 @16345 has 28 MA's), (Start: 178 @16354 has 139 MA's), (198, 16384), (277, 16525), (311, 16606), (329, 16639), (335, 16651), (400, 16783), (436, 16855), (441, 16864), (449, 16879), (491, 16969), (492, 16972), (534, 17038), (536, 17044), (551, 17086), (557, 17092), (567, 17119), (647, 17257), (688, 17365), (724, 17437), (751, 17497), (782, 17596), (786, 17611), (832, 17692), (853, 17731), (879, 17806), (896, 17857), (1004, 18112),

Gene: TDanisky_16 Start: 14836, Stop: 16545, Start Num: 142
Candidate Starts for TDanisky_16:
(Start: 142 @14836 has 207 MA's), (215, 14923), (Start: 249 @14968 has 2 MA's), (258, 14992), (282, 15049), (299, 15097), (301, 15103), (309, 15121), (332, 15151), (390, 15256), (419, 15310), (422, 15316), (425, 15325), (437, 15346), (450, 15370), (473, 15406), (475, 15412), (535, 15445), (536, 15448), (539, 15457), (544, 15472), (546, 15478), (558, 15496), (564, 15511), (566, 15517), (572, 15535), (573, 15538), (580, 15553), (589, 15568), (591, 15574), (605, 15622), (611, 15634), (614, 15640), (648, 15700), (653, 15712), (666, 15748), (670, 15760), (700, 15835), (704, 15844), (713, 15862), (715, 15868), (730, 15898), (806, 16003), (812, 16015), (825, 16051), (847, 16129), (885, 16249), (896, 16282), (911, 16312), (913, 16324), (919, 16342), (922, 16348), (924, 16351), (928, 16357), (944, 16372), (945, 16375), (953, 16396), (955, 16399), (973, 16441), (980, 16471), (992, 16513), (993, 16519),

Gene: TM4_19 Start: 15094, Stop: 16851, Start Num: 176
Candidate Starts for TM4_19:
(Start: 146 @15058 has 1 MA's), (Start: 171 @15088 has 28 MA's), (Start: 176 @15094 has 45 MA's), (Start: 195 @15109 has 1 MA's), (228, 15151), (256, 15199), (272, 15238), (277, 15253), (295, 15304), (296, 15307), (311, 15334), (329, 15367), (335, 15379), (371, 15469), (376, 15475), (436, 15583), (488, 15685), (491, 15697), (492, 15700), (509, 15736), (536, 15772), (541, 15790), (551, 15814), (557, 15820), (571, 15859), (579, 15883), (587, 15895), (647, 15985), (651, 15994), (671, 16048), (682, 16078), (730, 16189), (751, 16240), (779, 16330), (782, 16339), (784, 16348), (785, 16351), (821, 16384), (833, 16423), (841, 16450), (853, 16459), (879, 16534), (896, 16585), (899, 16591), (943, 16672), (948, 16687), (972, 16741), (993, 16822), (1004, 16843),

Gene: TNguyen7_27 Start: 19874, Stop: 21670, Start Num: 156
Candidate Starts for TNguyen7_27:
(Start: 156 @19874 has 559 MA's), (Start: 204 @19931 has 1 MA's), (254, 20000), (Start: 303 @20102 has 11 MA's), (323, 20114), (325, 20117), (367, 20192), (376, 20207), (402, 20246), (475, 20381), (508, 20450), (567, 20564), (615, 20690), (674, 20804), (683, 20828), (689, 20846), (731, 20927), (762, 21002), (767, 21020), (769, 21029), (775, 21053), (777, 21059), (782, 21074), (800, 21107),

(820, 21152), (821, 21155), (828, 21176), (831, 21188), (850, 21251), (899, 21401), (943, 21506), (945, 21512), (992, 21647),

Gene: TPA4_19 Start: 17726, Stop: 19462, Start Num: 185
Candidate Starts for TPA4_19:
(Start: 160 @17699 has 2 MA's), (Start: 185 @17726 has 10 MA's), (246, 17798), (269, 17852), (272, 17858), (284, 17891), (406, 18143), (439, 18212), (451, 18230), (478, 18278), (482, 18290), (485, 18299), (495, 18329), (522, 18359), (536, 18386), (541, 18404), (549, 18425), (563, 18449), (611, 18560), (644, 18596), (661, 18626), (715, 18761), (718, 18764), (731, 18794), (751, 18842), (761, 18866), (824, 19007), (866, 19106), (874, 19133), (875, 19136), (892, 19187), (896, 19199), (908, 19226), (927, 19262), (951, 19307), (968, 19343), (984, 19394), (1003, 19451),

Gene: TWAMP_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for TWAMP_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: TZGordon_24 Start: 16619, Stop: 17947, Start Num: 303
Candidate Starts for TZGordon_24:
(Start: 303 @16619 has 11 MA's), (315, 16634), (378, 16748), (399, 16778), (421, 16823), (445, 16868), (477, 16925), (483, 16943), (486, 16952), (494, 16976), (496, 16982), (497, 16985), (526, 17036), (533, 17048), (596, 17090), (639, 17141), (646, 17150), (660, 17159), (675, 17204), (684, 17222), (730, 17315), (747, 17360), (771, 17429), (780, 17450), (831, 17525), (833, 17531), (851, 17564), (885, 17651), (899, 17687), (906, 17702), (910, 17711), (933, 17753), (972, 17846), (975, 17864), (992, 17921), (995, 17930),

Gene: Tachez_23 Start: 17117, Stop: 18883, Start Num: 178
Candidate Starts for Tachez_23:
(Start: 178 @17117 has 139 MA's), (198, 17147), (284, 17306), (295, 17339), (311, 17369), (329, 17402), (335, 17414), (371, 17504), (400, 17546), (436, 17618), (441, 17627), (465, 17666), (484, 17711), (491, 17732), (492, 17735), (527, 17789), (536, 17807), (551, 17849), (557, 17855), (567, 17882), (647, 18020), (656, 18038), (670, 18080), (676, 18098), (688, 18128), (702, 18155), (751, 18260), (821, 18419), (832, 18455), (841, 18485), (853, 18494), (879, 18569), (896, 18620), (948, 18719), (983, 18815), (993, 18854), (994, 18857), (1004, 18875),

Gene: Taheera_18 Start: 16666, Stop: 18420, Start Num: 194
Candidate Starts for Taheera_18:
(78, 16453), (Start: 171 @16657 has 28 MA's), (Start: 194 @16666 has 44 MA's), (Start: 196 @16672 has 2 MA's), (201, 16678), (256, 16756), (277, 16810), (295, 16861), (311, 16891), (325, 16915), (367, 17017), (391, 17056), (395, 17062), (406, 17077), (488, 17242), (513, 17299), (536, 17338), (551, 17380), (557, 17386), (571, 17425), (628, 17524), (647, 17551), (665, 17596), (743, 17779), (751, 17797), (762, 17824), (785, 17908), (805, 17926), (818, 17941), (835, 18004), (867, 18067), (874, 18091), (885, 18124), (899, 18163), (915, 18205), (983, 18352), (1004, 18412),

Gene: TaiwanKao_24 Start: 17128, Stop: 18894, Start Num: 178
Candidate Starts for TaiwanKao_24:
(Start: 178 @17128 has 139 MA's), (198, 17158), (284, 17317), (295, 17350), (311, 17380), (329, 17413), (335, 17425), (371, 17515), (400, 17557), (431, 17620), (436, 17629), (441, 17638), (465, 17677), (484, 17722), (491, 17743), (492, 17746), (536, 17818), (551, 17860), (557, 17866), (567, 17893), (647, 18031), (656, 18049), (670, 18091), (676, 18109), (688, 18139), (702, 18166), (751,

18271), (821, 18430), (832, 18466), (841, 18496), (853, 18505), (879, 18580), (896, 18631), (983, 18826), (993, 18865), (994, 18868), (1004, 18886),

Gene: Taj_16 Start: 14839, Stop: 16548, Start Num: 142
Candidate Starts for Taj_16:
(Start: 142 @14839 has 207 MA's), (215, 14926), (Start: 249 @14971 has 2 MA's), (258, 14995), (299, 15100), (301, 15106), (309, 15124), (332, 15154), (390, 15259), (422, 15319), (432, 15337), (434, 15340), (437, 15349), (450, 15373), (558, 15499), (564, 15514), (566, 15520), (580, 15556), (582, 15559), (589, 15571), (591, 15577), (605, 15625), (611, 15637), (614, 15643), (648, 15703), (653, 15715), (666, 15751), (670, 15763), (700, 15838), (704, 15847), (713, 15865), (715, 15871), (730, 15901), (806, 16006), (810, 16015), (812, 16018), (825, 16054), (847, 16132), (878, 16231), (885, 16252), (896, 16285), (911, 16315), (919, 16345), (924, 16354), (928, 16360), (944, 16375), (945, 16378), (955, 16402), (968, 16432), (973, 16444), (980, 16474), (992, 16516),

Gene: Takoda_23 Start: 16309, Stop: 17934, Start Num: 182
Candidate Starts for Takoda_23:
(Start: 171 @16294 has 28 MA's), (Start: 182 @16309 has 32 MA's), (232, 16378), (256, 16414), (342, 16555), (367, 16600), (439, 16729), (465, 16771), (475, 16789), (478, 16798), (486, 16822), (495, 16840), (525, 16870), (534, 16885), (535, 16888), (546, 16927), (556, 16936), (669, 17137), (730, 17275), (762, 17353), (772, 17392), (775, 17404), (808, 17434), (835, 17512), (894, 17659), (938, 17758), (943, 17773), (998, 17926),

Gene: Tangent_35 Start: 30329, Stop: 32092, Start Num: 111
Candidate Starts for Tangent_35:
(104, 30311), (Start: 111 @30329 has 74 MA's), (Start: 131 @30365 has 1 MA's), (238, 30503), (285, 30599), (289, 30608), (340, 30677), (367, 30728), (395, 30773), (406, 30788), (448, 30869), (475, 30914), (478, 30923), (495, 30962), (535, 31013), (543, 31043), (550, 31058), (562, 31082), (571, 31112), (641, 31217), (689, 31334), (695, 31352), (699, 31367), (723, 31397), (730, 31409), (731, 31412), (740, 31439), (879, 31763), (880, 31766), (896, 31814), (909, 31841), (917, 31868), (943, 31922), (951, 31946), (952, 31949), (984, 32039), (1000, 32087),

Gene: Tangerine_34 Start: 29524, Stop: 31287, Start Num: 111
Candidate Starts for Tangerine_34:
(Start: 111 @29524 has 74 MA's), (Start: 131 @29560 has 1 MA's), (232, 29689), (238, 29698), (285, 29794), (289, 29803), (340, 29872), (367, 29923), (372, 29932), (395, 29968), (406, 29983), (414, 30001), (448, 30064), (475, 30109), (478, 30118), (541, 30229), (543, 30238), (550, 30253), (562, 30277), (571, 30307), (689, 30529), (695, 30547), (699, 30562), (730, 30604), (740, 30634), (785, 30754), (833, 30847), (879, 30958), (880, 30961), (896, 31009), (909, 31036), (917, 31063), (943, 31117),

Gene: Tapioca_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Tapioca_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Taquarus_27 Start: 19830, Stop: 21608, Start Num: 156
Candidate Starts for Taquarus_27:

(Start: 136 @19806 has 48 MA's), (Start: 156 @19830 has 559 MA's), (Start: 204 @19887 has 1 MA's), (241, 19941), (254, 19956), (Start: 260 @19974 has 1 MA's), (Start: 303 @20058 has 11 MA's), (323, 20070), (325, 20073), (367, 20148), (376, 20163), (402, 20202), (465, 20319), (508, 20406), (550, 20487), (572, 20535), (581, 20559), (615, 20646), (644, 20691), (675, 20763), (683, 20784), (689, 20802), (731, 20883), (767, 20976), (769, 20985), (775, 21009), (777, 21015), (784, 21039), (821, 21093), (828, 21114), (842, 21165), (850, 21189), (867, 21243), (899, 21339), (943, 21444), (948, 21459), (987, 21567), (992, 21585),

Gene: Taquito_22 Start: 18239, Stop: 20029, Start Num: 176
Candidate Starts for Taquito_22:
(Start: 146 @18203 has 1 MA's), (Start: 171 @18233 has 28 MA's), (Start: 176 @18239 has 45 MA's), (Start: 178 @18242 has 139 MA's), (228, 18299), (256, 18347), (272, 18386), (277, 18401), (284, 18419), (295, 18452), (311, 18482), (335, 18527), (342, 18545), (371, 18617), (376, 18623), (395, 18653), (430, 18719), (436, 18731), (498, 18866), (534, 18914), (536, 18920), (541, 18938), (557, 18968), (571, 19007), (647, 19133), (670, 19193), (671, 19196), (677, 19214), (683, 19229), (751, 19397), (769, 19451), (782, 19496), (808, 19541), (821, 19565), (831, 19598), (875, 19703), (879, 19715), (896, 19766), (899, 19772), (951, 19874), (993, 20000), (1004, 20021),

Gene: Tardus_36 Start: 30115, Stop: 31737, Start Num: 183
Candidate Starts for Tardus_36:
(Start: 183 @30115 has 17 MA's), (201, 30136), (210, 30148), (247, 30199), (274, 30262), (300, 30334), (344, 30421), (373, 30472), (390, 30502), (434, 30583), (565, 30703), (567, 30709), (578, 30739), (584, 30748), (596, 30781), (597, 30784), (601, 30796), (621, 30844), (648, 30892), (651, 30901), (688, 31000), (706, 31039), (713, 31051), (762, 31168), (812, 31207), (826, 31246), (842, 31303), (856, 31342), (858, 31351), (873, 31408), (877, 31420), (896, 31477), (899, 31483), (909, 31504), (919, 31537), (948, 31582), (992, 31711), (994, 31720),

Gene: Target_30 Start: 22616, Stop: 24418, Start Num: 159
Candidate Starts for Target_30:
(Start: 159 @22616 has 217 MA's), (Start: 176 @22637 has 45 MA's), (Start: 204 @22679 has 1 MA's), (237, 22724), (367, 22940), (395, 22985), (402, 22994), (421, 23033), (448, 23084), (449, 23087), (556, 23282), (581, 23351), (674, 23552), (675, 23555), (683, 23576), (730, 23672), (731, 23675), (733, 23681), (762, 23750), (767, 23768), (769, 23777), (777, 23807), (821, 23903), (831, 23936), (835, 23951), (879, 24092), (899, 24149), (945, 24260),

Gene: Tarkin_26 Start: 20735, Stop: 22414, Start Num: 147
Candidate Starts for Tarkin_26:
(Start: 147 @20735 has 120 MA's), (Start: 212 @20819 has 47 MA's), (Start: 260 @20897 has 1 MA's), (296, 20984), (301, 20999), (332, 21047), (349, 21086), (405, 21173), (420, 21206), (437, 21242), (454, 21272), (457, 21278), (538, 21347), (561, 21377), (565, 21389), (566, 21392), (591, 21449), (650, 21581), (651, 21587), (675, 21653), (677, 21659), (686, 21683), (704, 21731), (715, 21755), (721, 21764), (754, 21839), (810, 21890), (819, 21905), (867, 22067), (875, 22094), (885, 22124), (926, 22229), (971, 22307), (980, 22343), (983, 22352), (992, 22385), (998, 22400),

Gene: TaronosaurasRx_19 Start: 16979, Stop: 18709, Start Num: 148
Candidate Starts for TaronosaurasRx_19:
(59, 16667), (85, 16862), (122, 16946), (Start: 131 @16958 has 1 MA's), (Start: 148 @16979 has 5 MA's), (Start: 303 @17216 has 11 MA's), (333, 17249), (448, 17462), (484, 17534), (506, 17576), (536, 17615), (543, 17642), (553, 17666), (570, 17708), (579, 17735), (581, 17738), (619, 17792), (622, 17798), (670, 17885), (786, 18176), (791, 18179), (825, 18245), (832, 18269), (837, 18287), (879, 18383), (885, 18401), (933, 18518), (948, 18557), (949, 18560), (954, 18572), (981, 18647), (989, 18674),

Gene: TarsusIV_28 Start: 20208, Stop: 21980, Start Num: 156
Candidate Starts for TarsusIV_28:
(110, 20142), (Start: 136 @20184 has 48 MA's), (Start: 156 @20208 has 559 MA's), (259, 20343), (269, 20361), (323, 20442), (325, 20445), (366, 20517), (367, 20520), (402, 20574), (465, 20691), (508, 20778), (550, 20859), (556, 20862), (635, 21048), (675, 21135), (689, 21174), (731, 21255), (775, 21381), (777, 21387), (835, 21513), (837, 21519), (866, 21612), (869, 21627), (899, 21711), (945, 21822), (968, 21876),

Gene: Tarynearal_23 Start: 19656, Stop: 21452, Start Num: 156
Candidate Starts for Tarynearal_23:
(Start: 156 @19656 has 559 MA's), (241, 19761), (Start: 260 @19794 has 1 MA's), (325, 19893), (367, 19968), (376, 19983), (400, 20019), (436, 20091), (445, 20106), (469, 20145), (479, 20172), (488, 20193), (519, 20232), (575, 20370), (579, 20376), (644, 20511), (670, 20568), (671, 20571), (674, 20580), (689, 20622), (694, 20640), (730, 20700), (731, 20703), (767, 20796), (769, 20805), (775, 20829), (820, 20937), (831, 20973), (899, 21183), (942, 21285), (945, 21294), (986, 21408), (992, 21429), (994, 21438),

Gene: Tarzan_18 Start: 14963, Stop: 16579, Start Num: 177
Candidate Starts for Tarzan_18:
(Start: 177 @14963 has 11 MA's), (247, 15062), (255, 15086), (300, 15197), (301, 15200), (306, 15218), (317, 15227), (348, 15293), (361, 15308), (364, 15317), (368, 15323), (409, 15395), (418, 15413), (446, 15467), (450, 15476), (532, 15530), (566, 15566), (567, 15569), (607, 15677), (642, 15749), (648, 15755), (651, 15764), (661, 15782), (691, 15872), (746, 15986), (753, 16004), (761, 16016), (821, 16082), (835, 16130), (839, 16142), (842, 16154), (848, 16175), (854, 16187), (858, 16202), (867, 16232), (878, 16268), (964, 16457), (984, 16520), (990, 16541), (998, 16565),

Gene: Tasp14_28 Start: 21346, Stop: 23148, Start Num: 159
Candidate Starts for Tasp14_28:
(Start: 159 @21346 has 217 MA's), (Start: 176 @21367 has 45 MA's), (Start: 204 @21409 has 1 MA's), (237, 21454), (367, 21670), (395, 21715), (402, 21724), (421, 21763), (448, 21814), (449, 21817), (495, 21910), (556, 22012), (581, 22081), (670, 22270), (674, 22282), (675, 22285), (683, 22306), (730, 22402), (731, 22405), (733, 22411), (762, 22480), (767, 22498), (769, 22507), (777, 22537), (821, 22633), (831, 22666), (835, 22681), (879, 22822), (899, 22879), (945, 22990),

Gene: Taurus_29 Start: 20378, Stop: 22174, Start Num: 156
Candidate Starts for Taurus_29:
(Start: 156 @20378 has 559 MA's), (Start: 204 @20435 has 1 MA's), (215, 20450), (238, 20483), (254, 20504), (259, 20519), (Start: 303 @20606 has 11 MA's), (323, 20618), (325, 20621), (367, 20696), (376, 20711), (400, 20747), (508, 20954), (567, 21068), (581, 21107), (615, 21194), (674, 21308), (683, 21332), (689, 21350), (731, 21431), (762, 21506), (767, 21524), (775, 21557), (777, 21563), (790, 21602), (820, 21656), (821, 21659), (828, 21680), (844, 21737), (899, 21905), (943, 22010), (945, 22016), (992, 22151),

Gene: Tayonia_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Tayonia_19:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: Tchotchke_17 Start: 14738, Stop: 16447, Start Num: 142
Candidate Starts for Tchotchke_17:

(Start: 142 @14738 has 207 MA's), (215, 14825), (Start: 249 @14870 has 2 MA's), (258, 14894), (282, 14951), (299, 14999), (301, 15005), (309, 15023), (332, 15053), (390, 15158), (419, 15212), (422, 15218), (425, 15227), (437, 15248), (450, 15272), (473, 15308), (475, 15314), (535, 15347), (536, 15350), (539, 15359), (544, 15374), (546, 15380), (558, 15398), (564, 15413), (566, 15419), (572, 15437), (573, 15440), (580, 15455), (589, 15470), (591, 15476), (605, 15524), (611, 15536), (614, 15542), (648, 15602), (653, 15614), (666, 15650), (670, 15662), (700, 15737), (704, 15746), (713, 15764), (715, 15770), (730, 15800), (806, 15905), (812, 15917), (825, 15953), (847, 16031), (885, 16151), (896, 16184), (911, 16214), (913, 16226), (919, 16244), (922, 16250), (924, 16253), (928, 16259), (944, 16274), (945, 16277), (953, 16298), (955, 16301), (973, 16343), (980, 16373), (992, 16415), (993, 16421),

Gene: TeardropMSU_23 Start: 19653, Stop: 21332, Start Num: 147
Candidate Starts for TeardropMSU_23:
(Start: 147 @19653 has 120 MA's), (Start: 212 @19737 has 47 MA's), (Start: 260 @19815 has 1 MA's), (296, 19902), (301, 19917), (332, 19965), (349, 20004), (405, 20091), (420, 20124), (437, 20160), (454, 20190), (457, 20196), (538, 20265), (561, 20295), (565, 20307), (566, 20310), (591, 20367), (650, 20499), (651, 20505), (675, 20571), (677, 20577), (686, 20601), (704, 20649), (715, 20673), (721, 20682), (754, 20757), (810, 20808), (819, 20823), (867, 20985), (875, 21012), (885, 21042), (926, 21147), (971, 21225), (980, 21261), (983, 21270), (992, 21303), (998, 21318),

Gene: Teaspoon_25 Start: 19699, Stop: 21378, Start Num: 147
Candidate Starts for Teaspoon_25:
(Start: 147 @19699 has 120 MA's), (Start: 212 @19783 has 47 MA's), (Start: 260 @19861 has 1 MA's), (296, 19948), (301, 19963), (332, 20011), (349, 20050), (405, 20137), (420, 20170), (437, 20206), (454, 20236), (457, 20242), (538, 20311), (561, 20341), (565, 20353), (566, 20356), (591, 20413), (650, 20545), (651, 20551), (675, 20617), (677, 20623), (686, 20647), (704, 20695), (715, 20719), (721, 20728), (754, 20803), (810, 20854), (819, 20869), (867, 21031), (875, 21058), (885, 21088), (926, 21193), (971, 21271), (980, 21307), (983, 21316), (992, 21349), (998, 21364),

Gene: Techage_19 Start: 16376, Stop: 18112, Start Num: 137
Candidate Starts for Techage_19:
(Start: 121 @16352 has 6 MA's), (Start: 137 @16376 has 45 MA's), (Start: 186 @16436 has 1 MA's), (198, 16457), (201, 16460), (274, 16580), (290, 16619), (300, 16652), (317, 16676), (382, 16796), (405, 16835), (407, 16841), (447, 16925), (450, 16931), (457, 16943), (473, 16967), (485, 16994), (538, 17012), (555, 17051), (558, 17057), (567, 17081), (591, 17135), (594, 17147), (597, 17156), (621, 17216), (658, 17294), (670, 17333), (682, 17366), (704, 17432), (711, 17447), (715, 17456), (726, 17480), (740, 17510), (746, 17522), (822, 17624), (827, 17636), (828, 17639), (830, 17645), (832, 17654), (865, 17762), (892, 17846), (937, 17945), (983, 18053), (998, 18101),

Gene: Teejan_19 Start: 16697, Stop: 18463, Start Num: 178
Candidate Starts for Teejan_19:
(Start: 178 @16697 has 139 MA's), (Start: 181 @16703 has 15 MA's), (198, 16727), (272, 16853), (277, 16868), (284, 16886), (311, 16949), (371, 17084), (376, 17090), (436, 17198), (441, 17207), (491, 17312), (534, 17381), (536, 17387), (547, 17423), (557, 17435), (579, 17498), (647, 17600), (656, 17618), (670, 17660), (671, 17663), (721, 17768), (751, 17840), (784, 17948), (786, 17954), (821, 17999), (837, 18053), (853, 18074), (879, 18149), (896, 18200), (948, 18299), (954, 18314), (971, 18350), (983, 18395), (993, 18434), (994, 18437), (1004, 18455),

Gene: TelAviv_53 Start: 33442, Stop: 35178, Start Num: 126
Candidate Starts for TelAviv_53:
(Start: 120 @33433 has 2 MA's), (Start: 126 @33442 has 26 MA's), (Start: 195 @33532 has 1 MA's), (266, 33649), (282, 33685), (291, 33706), (299, 33733), (301, 33739), (336, 33793), (363, 33844), (437, 33982), (440, 33988), (472, 34039), (473, 34042), (482, 34060), (558, 34111), (566, 34132),

(567, 34135), (589, 34183), (591, 34189), (605, 34237), (607, 34243), (611, 34249), (632, 34309), (648, 34333), (650, 34336), (666, 34381), (671, 34396), (674, 34405), (677, 34414), (693, 34459), (704, 34477), (721, 34510), (812, 34648), (820, 34669), (840, 34735), (848, 34765), (865, 34819), (878, 34861), (885, 34882), (892, 34903), (896, 34915), (907, 34936), (928, 34990), (971, 35068), (980, 35104), (986, 35125), (993, 35152),

Gene: Temprado_32 Start: 19977, Stop: 21749, Start Num: 156
Candidate Starts for Temprado_32:
(110, 19911), (Start: 136 @19953 has 48 MA's), (Start: 156 @19977 has 559 MA's), (325, 20214), (366, 20286), (367, 20289), (376, 20304), (402, 20343), (406, 20349), (465, 20460), (469, 20466), (484, 20505), (508, 20547), (536, 20586), (550, 20628), (556, 20631), (615, 20787), (684, 20928), (689, 20943), (777, 21156), (828, 21255), (835, 21282), (852, 21333), (855, 21342), (866, 21381), (867, 21384), (943, 21585), (945, 21591), (992, 21726),

Gene: Teodoridan_25 Start: 20467, Stop: 22269, Start Num: 159
Candidate Starts for Teodoridan_25:
(Start: 159 @20467 has 217 MA's), (Start: 176 @20488 has 45 MA's), (Start: 204 @20530 has 1 MA's), (237, 20575), (367, 20791), (395, 20836), (402, 20845), (421, 20884), (448, 20935), (449, 20938), (556, 21133), (581, 21202), (674, 21403), (675, 21406), (683, 21427), (730, 21523), (731, 21526), (733, 21532), (762, 21601), (767, 21619), (769, 21628), (777, 21658), (821, 21754), (831, 21787), (835, 21802), (879, 21943), (899, 22000), (945, 22111),

Gene: Terminus_24 Start: 19833, Stop: 21512, Start Num: 147
Candidate Starts for Terminus_24:
(Start: 147 @19833 has 120 MA's), (Start: 212 @19917 has 47 MA's), (Start: 260 @19995 has 1 MA's), (296, 20082), (301, 20097), (332, 20145), (349, 20184), (405, 20271), (420, 20304), (437, 20340), (454, 20370), (457, 20376), (538, 20445), (561, 20475), (565, 20487), (566, 20490), (591, 20547), (650, 20679), (651, 20685), (675, 20751), (677, 20757), (686, 20781), (704, 20829), (715, 20853), (721, 20862), (754, 20937), (810, 20988), (819, 21003), (867, 21165), (875, 21192), (885, 21222), (926, 21327), (971, 21405), (980, 21441), (983, 21450), (992, 21483), (998, 21498),

Gene: Terrific_32 Start: 20644, Stop: 22440, Start Num: 136
Candidate Starts for Terrific_32:
(Start: 136 @20644 has 48 MA's), (Start: 156 @20668 has 559 MA's), (259, 20803), (323, 20902), (325, 20905), (366, 20977), (367, 20980), (402, 21034), (406, 21040), (436, 21103), (465, 21151), (479, 21184), (508, 21238), (550, 21319), (556, 21322), (567, 21352), (635, 21508), (675, 21595), (731, 21715), (774, 21838), (775, 21841), (777, 21847), (808, 21895), (831, 21958), (835, 21973), (837, 21979), (855, 22033), (866, 22072), (869, 22087), (881, 22120), (896, 22165), (943, 22276), (945, 22282), (968, 22336),

Gene: Terror_18 Start: 16666, Stop: 18420, Start Num: 194
Candidate Starts for Terror_18:
(78, 16453), (Start: 171 @16657 has 28 MA's), (Start: 194 @16666 has 44 MA's), (Start: 196 @16672 has 2 MA's), (201, 16678), (256, 16756), (277, 16810), (295, 16861), (311, 16891), (325, 16915), (367, 17017), (391, 17056), (395, 17062), (406, 17077), (488, 17242), (513, 17299), (536, 17338), (551, 17380), (557, 17386), (571, 17425), (628, 17524), (647, 17551), (665, 17596), (743, 17779), (751, 17797), (762, 17824), (785, 17908), (805, 17926), (818, 17941), (835, 18004), (867, 18067), (874, 18091), (885, 18124), (899, 18163), (915, 18205), (983, 18352), (1004, 18412),

Gene: Tesla_49 Start: 27023, Stop: 28735, Start Num: 175
Candidate Starts for Tesla_49:
(122, 26960), (Start: 175 @27023 has 56 MA's), (Start: 233 @27104 has 1 MA's), (266, 27161), (296, 27242), (298, 27248), (339, 27305), (342, 27317), (346, 27329), (367, 27368), (376, 27383), (417,

27452), (445, 27506), (449, 27515), (539, 27671), (562, 27719), (564, 27728), (567, 27737), (581, 27776), (590, 27791), (636, 27854), (644, 27866), (689, 27983), (690, 27986), (712, 28037), (729, 28064), (731, 28067), (738, 28088), (758, 28130), (820, 28250), (826, 28268), (881, 28412), (896, 28457), (905, 28475), (942, 28559), (945, 28568), (951, 28586), (961, 28607), (977, 28652), (979, 28658), (983, 28670), (986, 28682), (992, 28703), (998, 28718), (1002, 28724),

Gene: Texage_27 Start: 20456, Stop: 22255, Start Num: 156
Candidate Starts for Texage_27:
(Start: 156 @20456 has 559 MA's), (Start: 204 @20516 has 1 MA's), (254, 20585), (Start: 303 @20687 has 11 MA's), (323, 20699), (325, 20702), (367, 20777), (376, 20792), (402, 20831), (475, 20966), (508, 21035), (567, 21149), (615, 21275), (674, 21389), (683, 21413), (687, 21425), (689, 21431), (731, 21512), (762, 21587), (767, 21605), (769, 21614), (775, 21638), (777, 21644), (782, 21659), (800, 21692), (820, 21737), (821, 21740), (828, 21761), (867, 21890), (899, 21986), (943, 22091), (945, 22097), (992, 22232),

Gene: Thanksgivukkah_27 Start: 19831, Stop: 21609, Start Num: 156
Candidate Starts for Thanksgivukkah_27:
(Start: 136 @19807 has 48 MA's), (Start: 156 @19831 has 559 MA's), (Start: 204 @19888 has 1 MA's), (241, 19942), (254, 19957), (Start: 260 @19975 has 1 MA's), (Start: 303 @20059 has 11 MA's), (323, 20071), (325, 20074), (367, 20149), (376, 20164), (402, 20203), (465, 20320), (508, 20407), (550, 20488), (572, 20536), (581, 20560), (615, 20647), (644, 20692), (675, 20764), (683, 20785), (689, 20803), (731, 20884), (767, 20977), (769, 20986), (775, 21010), (777, 21016), (784, 21040), (821, 21094), (828, 21115), (842, 21166), (850, 21190), (899, 21340), (943, 21445), (948, 21460), (987, 21568), (992, 21586),

Gene: ThankyouJordi_18 Start: 17806, Stop: 19404, Start Num: 213
Candidate Starts for ThankyouJordi_18:
(72, 17509), (83, 17584), (89, 17605), (123, 17689), (Start: 213 @17806 has 53 MA's), (358, 18064), (367, 18082), (369, 18085), (406, 18139), (479, 18283), (488, 18304), (509, 18355), (526, 18391), (528, 18394), (585, 18427), (613, 18484), (700, 18661), (714, 18685), (730, 18721), (768, 18823), (784, 18880), (836, 18970), (933, 19210), (965, 19288),

Gene: Theia_22 Start: 19674, Stop: 21470, Start Num: 156
Candidate Starts for Theia_22:
(Start: 144 @19662 has 2 MA's), (Start: 156 @19674 has 559 MA's), (241, 19779), (Start: 260 @19812 has 1 MA's), (325, 19911), (367, 19986), (376, 20001), (400, 20037), (436, 20109), (445, 20124), (469, 20163), (567, 20358), (575, 20388), (579, 20394), (644, 20529), (670, 20586), (671, 20589), (674, 20598), (689, 20640), (694, 20658), (730, 20718), (731, 20721), (767, 20814), (769, 20823), (775, 20847), (820, 20955), (831, 20991), (899, 21201), (942, 21303), (945, 21312), (986, 21426), (992, 21447), (994, 21456),

Gene: TheloniousMonk_29 Start: 22760, Stop: 24562, Start Num: 159
Candidate Starts for TheloniousMonk_29:
(Start: 159 @22760 has 217 MA's), (Start: 176 @22781 has 45 MA's), (Start: 204 @22823 has 1 MA's), (237, 22868), (367, 23084), (395, 23129), (402, 23138), (421, 23177), (448, 23228), (449, 23231), (556, 23426), (581, 23495), (674, 23696), (675, 23699), (683, 23720), (730, 23816), (731, 23819), (733, 23825), (762, 23894), (767, 23912), (769, 23921), (777, 23951), (821, 24047), (831, 24080), (835, 24095), (879, 24236), (899, 24293), (945, 24404),

Gene: Thespis_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Thespis_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805),

(405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Thibault_33 Start: 27746, Stop: 29479, Start Num: 141
Candidate Starts for Thibault_33:
(Start: 141 @27746 has 37 MA's), (Start: 212 @27836 has 47 MA's), (245, 27884), (258, 27914), (272, 27941), (317, 28043), (334, 28073), (385, 28172), (407, 28208), (420, 28235), (438, 28274), (457, 28307), (464, 28316), (566, 28445), (567, 28448), (572, 28463), (591, 28502), (605, 28550), (611, 28562), (614, 28568), (635, 28625), (650, 28646), (658, 28664), (673, 28712), (713, 28814), (740, 28874), (746, 28886), (819, 28970), (821, 28982), (822, 28988), (827, 29000), (828, 29003), (839, 29042), (844, 29060), (857, 29096), (858, 29102), (885, 29189), (918, 29279), (948, 29321), (958, 29339), (969, 29369), (981, 29411), (998, 29465),

Gene: Thimann_20 Start: 17295, Stop: 18875, Start Num: 213
Candidate Starts for Thimann_20:
(123, 17178), (Start: 213 @17295 has 53 MA's), (358, 17553), (369, 17574), (406, 17628), (423, 17667), (455, 17724), (469, 17745), (585, 17916), (592, 17934), (606, 17958), (631, 17979), (663, 18021), (691, 18102), (730, 18192), (768, 18294), (769, 18297), (784, 18351), (836, 18441), (948, 18720), (951, 18729), (965, 18759),

Gene: Thimble_24 Start: 18783, Stop: 20378, Start Num: 212
Candidate Starts for Thimble_24:
(Start: 147 @18699 has 120 MA's), (Start: 212 @18783 has 47 MA's), (Start: 260 @18861 has 1 MA's), (296, 18948), (301, 18963), (332, 19011), (349, 19050), (405, 19137), (420, 19170), (437, 19206), (454, 19236), (457, 19242), (538, 19311), (561, 19341), (565, 19353), (566, 19356), (591, 19413), (650, 19545), (651, 19551), (675, 19617), (677, 19623), (686, 19647), (704, 19695), (715, 19719), (721, 19728), (754, 19803), (810, 19854), (819, 19869), (867, 20031), (875, 20058), (885, 20088), (926, 20193), (971, 20271), (980, 20307), (983, 20316), (992, 20349), (998, 20364),

Gene: Thing3_34 Start: 30813, Stop: 32576, Start Num: 111
Candidate Starts for Thing3_34:
(104, 30795), (Start: 111 @30813 has 74 MA's), (Start: 131 @30849 has 1 MA's), (238, 30987), (285, 31083), (289, 31092), (340, 31161), (367, 31212), (395, 31257), (406, 31272), (448, 31353), (475, 31398), (478, 31407), (495, 31446), (535, 31497), (536, 31500), (543, 31527), (550, 31542), (562, 31566), (571, 31596), (641, 31701), (689, 31818), (695, 31836), (699, 31851), (723, 31881), (730, 31893), (731, 31896), (740, 31923), (879, 32247), (880, 32250), (896, 32298), (909, 32325), (917, 32352), (943, 32406), (952, 32433), (994, 32562),

Gene: Thor_27 Start: 21221, Stop: 23023, Start Num: 159
Candidate Starts for Thor_27:
(Start: 159 @21221 has 217 MA's), (Start: 176 @21242 has 45 MA's), (Start: 204 @21284 has 1 MA's), (237, 21329), (367, 21545), (395, 21590), (402, 21599), (448, 21689), (449, 21692), (495, 21785), (556, 21887), (581, 21956), (670, 22145), (674, 22157), (675, 22160), (683, 22181), (730, 22277), (731, 22280), (733, 22286), (762, 22355), (767, 22373), (769, 22382), (777, 22412), (821, 22508), (831, 22541), (835, 22556), (879, 22697), (899, 22754), (945, 22865), (1000, 23018),

Gene: ThreeRngTarjay_35 Start: 27471, Stop: 29469, Start Num: 141
Candidate Starts for ThreeRngTarjay_35:
(Start: 141 @27471 has 37 MA's), (Start: 212 @27561 has 47 MA's), (245, 27609), (258, 27639), (272, 27666), (317, 27768), (334, 27798), (385, 27897), (407, 27933), (409, 27939), (420, 27960), (457,

28032), (464, 28041), (475, 28062), (546, 28131), (566, 28170), (567, 28173), (572, 28188), (591, 28227), (605, 28275), (611, 28287), (614, 28293), (630, 28341), (635, 28350), (650, 28371), (658, 28389), (673, 28437), (713, 28539), (746, 28611), (766, 28656), (768, 28668), (795, 28803), (796, 28809), (797, 28833), (798, 28905), (804, 28932), (886, 29181),

Gene: Thresher_25 Start: 20500, Stop: 22179, Start Num: 147
Candidate Starts for Thresher_25:
(Start: 147 @20500 has 120 MA's), (Start: 212 @20584 has 47 MA's), (Start: 260 @20662 has 1 MA's), (296, 20749), (301, 20764), (332, 20812), (349, 20851), (405, 20938), (420, 20971), (437, 21007), (454, 21037), (457, 21043), (538, 21112), (561, 21142), (565, 21154), (566, 21157), (591, 21214), (650, 21346), (651, 21352), (675, 21418), (677, 21424), (686, 21448), (704, 21496), (715, 21520), (721, 21529), (754, 21604), (810, 21655), (819, 21670), (867, 21832), (875, 21859), (885, 21889), (926, 21994), (971, 22072), (980, 22108), (983, 22117), (992, 22150), (998, 22165),

Gene: ThulaThula_18 Start: 16085, Stop: 17821, Start Num: 137
Candidate Starts for ThulaThula_18:
(Start: 137 @16085 has 45 MA's), (198, 16166), (201, 16169), (241, 16220), (243, 16223), (Start: 249 @16232 has 2 MA's), (274, 16289), (290, 16328), (296, 16349), (300, 16361), (309, 16382), (317, 16385), (320, 16391), (382, 16505), (405, 16544), (407, 16550), (466, 16664), (535, 16715), (538, 16721), (555, 16760), (558, 16766), (567, 16790), (591, 16844), (594, 16856), (597, 16865), (621, 16925), (648, 16982), (658, 17003), (670, 17042), (682, 17075), (704, 17141), (715, 17165), (726, 17189), (740, 17219), (746, 17231), (822, 17333), (827, 17345), (828, 17348), (830, 17354), (832, 17363), (865, 17471), (892, 17555), (918, 17624), (937, 17654), (992, 17795), (998, 17810),

Gene: Thyatira_21 Start: 17495, Stop: 19267, Start Num: 181
Candidate Starts for Thyatira_21:
(Start: 181 @17495 has 15 MA's), (Start: 186 @17501 has 1 MA's), (201, 17525), (228, 17558), (256, 17606), (277, 17660), (295, 17711), (329, 17774), (376, 17882), (436, 17990), (491, 18104), (492, 18107), (512, 18146), (527, 18161), (534, 18173), (536, 18179), (551, 18221), (557, 18227), (571, 18266), (579, 18290), (647, 18392), (671, 18455), (687, 18500), (751, 18635), (782, 18734), (824, 18812), (831, 18836), (837, 18857), (841, 18869), (851, 18875), (879, 18953), (881, 18959), (951, 19112), (988, 19217), (989, 19220), (993, 19238),

Gene: Tiamoceli_33 Start: 28384, Stop: 30003, Start Num: 185
Candidate Starts for Tiamoceli_33:
(Start: 185 @28384 has 10 MA's), (201, 28405), (247, 28468), (296, 28591), (300, 28603), (332, 28660), (373, 28738), (438, 28861), (567, 28975), (578, 29005), (596, 29047), (621, 29110), (648, 29158), (651, 29167), (670, 29218), (688, 29266), (761, 29431), (806, 29461), (840, 29560), (842, 29569), (843, 29572), (858, 29617), (873, 29674), (875, 29680), (877, 29686), (893, 29734), (896, 29743), (899, 29749), (901, 29752), (919, 29803), (948, 29848), (974, 29917), (989, 29965), (992, 29977),

Gene: Tierra_22 Start: 17047, Stop: 18813, Start Num: 178
Candidate Starts for Tierra_22:
(Start: 171 @17038 has 28 MA's), (Start: 178 @17047 has 139 MA's), (198, 17077), (272, 17203), (277, 17218), (284, 17236), (295, 17269), (311, 17299), (335, 17344), (371, 17434), (395, 17470), (436, 17548), (441, 17557), (484, 17641), (488, 17650), (491, 17662), (492, 17665), (512, 17704), (527, 17719), (536, 17737), (551, 17779), (557, 17785), (656, 17968), (676, 18028), (718, 18112), (724, 18130), (751, 18190), (774, 18265), (782, 18289), (821, 18349), (831, 18382), (832, 18385), (837, 18403), (853, 18424), (879, 18499), (896, 18550), (899, 18556), (908, 18577), (948, 18649), (971, 18700), (993, 18784), (994, 18787), (1004, 18805),

Gene: Tiffany_29 Start: 20273, Stop: 22069, Start Num: 156

Candidate Starts for Tiffany_29:
(Start: 156 @20273 has 559 MA's), (Start: 204 @20330 has 1 MA's), (215, 20345), (238, 20378), (254, 20399), (259, 20414), (Start: 303 @20501 has 11 MA's), (323, 20513), (325, 20516), (367, 20591), (376, 20606), (400, 20642), (508, 20849), (567, 20963), (581, 21002), (615, 21089), (674, 21203), (683, 21227), (689, 21245), (731, 21326), (762, 21401), (767, 21419), (775, 21452), (777, 21458), (790, 21497), (820, 21551), (821, 21554), (828, 21575), (844, 21632), (899, 21800), (943, 21905), (945, 21911), (992, 22046),

Gene: Tiger_24 Start: 19558, Stop: 21354, Start Num: 156
Candidate Starts for Tiger_24:
(Start: 156 @19558 has 559 MA's), (241, 19663), (Start: 260 @19696 has 1 MA's), (325, 19795), (367, 19870), (376, 19885), (400, 19921), (436, 19993), (445, 20008), (465, 20041), (469, 20047), (567, 20242), (575, 20272), (579, 20278), (644, 20413), (670, 20470), (671, 20473), (674, 20482), (689, 20524), (694, 20542), (730, 20602), (731, 20605), (767, 20698), (769, 20707), (775, 20731), (820, 20839), (831, 20875), (899, 21085), (942, 21187), (945, 21196), (986, 21310), (992, 21331), (994, 21340),

Gene: TillyBobJoe_31 Start: 25649, Stop: 27415, Start Num: 111
Candidate Starts for TillyBobJoe_31:
(93, 25607), (Start: 111 @25649 has 74 MA's), (Start: 131 @25685 has 1 MA's), (Start: 159 @25718 has 217 MA's), (287, 25928), (289, 25931), (323, 25961), (351, 26027), (367, 26051), (372, 26060), (393, 26093), (478, 26246), (495, 26285), (535, 26336), (539, 26348), (543, 26366), (548, 26378), (553, 26390), (562, 26405), (571, 26435), (572, 26438), (579, 26459), (636, 26531), (663, 26579), (699, 26690), (724, 26723), (743, 26765), (769, 26837), (803, 26903), (809, 26915), (879, 27086), (880, 27089), (896, 27137), (909, 27164), (917, 27191), (919, 27197), (943, 27245), (984, 27362), (990, 27383),

Gene: TimTam_19 Start: 17764, Stop: 19362, Start Num: 213
Candidate Starts for TimTam_19:
(Start: 213 @17764 has 53 MA's), (358, 18022), (367, 18040), (369, 18043), (406, 18097), (443, 18172), (479, 18241), (483, 18250), (488, 18262), (509, 18313), (521, 18340), (526, 18349), (528, 18352), (585, 18385), (613, 18442), (663, 18508), (700, 18619), (714, 18643), (730, 18679), (768, 18781), (784, 18838), (836, 18928), (933, 19168), (965, 19246),

Gene: Timothy_28 Start: 20749, Stop: 22548, Start Num: 156
Candidate Starts for Timothy_28:
(110, 20683), (Start: 136 @20725 has 48 MA's), (Start: 156 @20749 has 559 MA's), (Start: 196 @20791 has 2 MA's), (Start: 260 @20887 has 1 MA's), (269, 20902), (323, 20983), (325, 20986), (367, 21061), (376, 21076), (402, 21115), (406, 21121), (465, 21232), (469, 21238), (508, 21319), (556, 21403), (603, 21529), (609, 21547), (622, 21574), (689, 21715), (723, 21781), (730, 21793), (731, 21796), (800, 21985), (813, 22012), (819, 22021), (824, 22042), (825, 22045), (831, 22066), (835, 22081), (842, 22105), (866, 22180), (869, 22195), (899, 22279), (943, 22384), (945, 22390), (968, 22444), (1000, 22543),

Gene: Timshel_28 Start: 22851, Stop: 24653, Start Num: 156
Candidate Starts for Timshel_28:
(110, 22785), (Start: 136 @22827 has 48 MA's), (Start: 144 @22839 has 2 MA's), (Start: 156 @22851 has 559 MA's), (217, 22917), (323, 23082), (325, 23085), (367, 23160), (376, 23175), (469, 23337), (473, 23343), (508, 23418), (575, 23562), (636, 23688), (644, 23700), (674, 23769), (689, 23811), (730, 23907), (731, 23910), (736, 23925), (762, 23985), (767, 24003), (769, 24012), (775, 24036), (777, 24042), (820, 24135), (821, 24138), (831, 24171), (835, 24186), (845, 24222), (847, 24228), (875, 24315), (878, 24324), (934, 24465), (945, 24495), (948, 24504), (984, 24600), (998, 24645),

Gene: TinaBug_18 Start: 16635, Stop: 18398, Start Num: 171
Candidate Starts for TinaBug_18:
(Start: 171 @16635 has 28 MA's), (Start: 194 @16644 has 44 MA's), (Start: 196 @16650 has 2 MA's), (201, 16656), (277, 16788), (295, 16839), (311, 16869), (325, 16893), (367, 16995), (391, 17034), (395, 17040), (406, 17055), (425, 17100), (488, 17220), (513, 17277), (536, 17316), (557, 17364), (567, 17391), (571, 17403), (607, 17484), (647, 17529), (731, 17727), (743, 17757), (751, 17775), (762, 17802), (785, 17886), (805, 17904), (818, 17919), (831, 17967), (835, 17982), (867, 18045), (885, 18102), (899, 18141), (915, 18183), (948, 18234), (983, 18330), (1004, 18390),

Gene: TinaFeyge_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for TinaFeyge_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: TinaLin_25 Start: 17451, Stop: 18779, Start Num: 303
Candidate Starts for TinaLin_25:
(Start: 303 @17451 has 11 MA's), (316, 17469), (375, 17577), (425, 17667), (445, 17700), (477, 17757), (483, 17775), (486, 17784), (493, 17805), (496, 17814), (514, 17847), (533, 17880), (609, 17943), (639, 17973), (646, 17982), (660, 17991), (663, 18000), (719, 18120), (730, 18147), (747, 18192), (761, 18222), (769, 18252), (821, 18324), (831, 18357), (833, 18363), (906, 18534), (933, 18585), (968, 18669), (972, 18678), (975, 18696), (999, 18768),

Gene: TingHuaYa_23 Start: 16454, Stop: 18220, Start Num: 178
Candidate Starts for TingHuaYa_23:
(Start: 178 @16454 has 139 MA's), (198, 16484), (284, 16643), (295, 16676), (296, 16679), (311, 16706), (335, 16751), (342, 16769), (371, 16841), (436, 16955), (441, 16964), (465, 17003), (485, 17051), (491, 17069), (492, 17072), (527, 17126), (536, 17144), (551, 17186), (557, 17192), (567, 17219), (579, 17255), (647, 17357), (656, 17375), (676, 17435), (688, 17465), (702, 17492), (751, 17597), (832, 17792), (841, 17822), (879, 17906), (896, 17957), (948, 18056), (951, 18065), (971, 18107), (983, 18152), (993, 18191), (994, 18194), (1004, 18212),

Gene: TiniBug_23 Start: 17099, Stop: 18865, Start Num: 178
Candidate Starts for TiniBug_23:
(Start: 178 @17099 has 139 MA's), (198, 17129), (295, 17321), (311, 17351), (329, 17384), (335, 17396), (371, 17486), (400, 17528), (436, 17600), (441, 17609), (465, 17648), (484, 17693), (492, 17717), (536, 17789), (551, 17831), (557, 17837), (567, 17864), (647, 18002), (656, 18020), (670, 18062), (688, 18110), (702, 18137), (751, 18242), (779, 18332), (832, 18437), (841, 18467), (853, 18476), (879, 18551), (896, 18602), (983, 18797), (993, 18836), (994, 18839), (1004, 18857),

Gene: TinyDot_19 Start: 15300, Stop: 16880, Start Num: 213
Candidate Starts for TinyDot_19:
(Start: 213 @15300 has 53 MA's), (292, 15420), (369, 15579), (397, 15621), (417, 15663), (469, 15753), (485, 15795), (488, 15801), (583, 15921), (634, 15993), (671, 16056), (704, 16146), (757, 16263), (836, 16446), (884, 16560), (894, 16590), (912, 16632), (951, 16734), (960, 16749),

Gene: TinyPebbles_29 Start: 20465, Stop: 22261, Start Num: 156
Candidate Starts for TinyPebbles_29:

(Start: 156 @20465 has 559 MA's), (Start: 204 @20522 has 1 MA's), (215, 20537), (238, 20570), (254, 20591), (259, 20606), (Start: 303 @20693 has 11 MA's), (323, 20705), (325, 20708), (367, 20783), (376, 20798), (400, 20834), (508, 21041), (567, 21155), (581, 21194), (615, 21281), (674, 21395), (683, 21419), (689, 21437), (731, 21518), (762, 21593), (767, 21611), (775, 21644), (777, 21650), (790, 21689), (820, 21743), (821, 21746), (828, 21767), (844, 21824), (899, 21992), (943, 22097), (945, 22103), (992, 22238),

Gene: TinyTimmy_28 Start: 20792, Stop: 22591, Start Num: 156
Candidate Starts for TinyTimmy_28:
(110, 20726), (Start: 136 @20768 has 48 MA's), (Start: 156 @20792 has 559 MA's), (Start: 196 @20834 has 2 MA's), (Start: 260 @20930 has 1 MA's), (269, 20945), (323, 21026), (325, 21029), (367, 21104), (376, 21119), (402, 21158), (406, 21164), (430, 21215), (465, 21275), (469, 21281), (508, 21362), (556, 21446), (603, 21572), (609, 21590), (622, 21617), (689, 21758), (723, 21824), (730, 21836), (731, 21839), (774, 21962), (800, 22028), (813, 22055), (824, 22085), (825, 22088), (831, 22109), (835, 22124), (842, 22148), (866, 22223), (869, 22238), (899, 22322), (943, 22427), (945, 22433), (968, 22487), (1000, 22586),

Gene: Tinybot_26 Start: 19804, Stop: 21585, Start Num: 156
Candidate Starts for Tinybot_26:
(Start: 136 @19780 has 48 MA's), (Start: 156 @19804 has 559 MA's), (Start: 162 @19810 has 5 MA's), (Start: 204 @19864 has 1 MA's), (215, 19879), (254, 19933), (Start: 260 @19951 has 1 MA's), (Start: 303 @20035 has 11 MA's), (323, 20047), (325, 20050), (367, 20125), (376, 20140), (402, 20179), (465, 20296), (508, 20383), (550, 20464), (572, 20512), (581, 20536), (615, 20623), (644, 20668), (675, 20740), (683, 20761), (689, 20779), (731, 20860), (767, 20953), (769, 20962), (775, 20986), (777, 20992), (784, 21016), (821, 21070), (828, 21091), (842, 21142), (850, 21166), (899, 21316), (943, 21421), (948, 21436), (987, 21544), (992, 21562),

Gene: TipsytheTRex_27 Start: 19306, Stop: 21096, Start Num: 156
Candidate Starts for TipsytheTRex_27:
(110, 19240), (Start: 136 @19282 has 48 MA's), (Start: 156 @19306 has 559 MA's), (269, 19459), (323, 19540), (325, 19543), (366, 19615), (367, 19618), (376, 19633), (402, 19672), (406, 19678), (445, 19756), (465, 19789), (469, 19795), (484, 19834), (508, 19876), (546, 19951), (550, 19957), (556, 19960), (575, 20020), (635, 20146), (674, 20230), (689, 20272), (712, 20323), (731, 20353), (775, 20479), (803, 20542), (831, 20614), (835, 20629), (842, 20653), (866, 20728), (869, 20743), (899, 20827), (943, 20932), (945, 20938), (964, 20983), (968, 20992),

Gene: Tiri_23 Start: 17160, Stop: 18926, Start Num: 178
Candidate Starts for Tiri_23:
(Start: 178 @17160 has 139 MA's), (198, 17190), (284, 17349), (295, 17382), (311, 17412), (329, 17445), (335, 17457), (371, 17547), (400, 17589), (436, 17661), (441, 17670), (465, 17709), (484, 17754), (491, 17775), (492, 17778), (527, 17832), (536, 17850), (551, 17892), (557, 17898), (567, 17925), (647, 18063), (656, 18081), (670, 18123), (676, 18141), (688, 18171), (702, 18198), (751, 18303), (821, 18462), (832, 18498), (841, 18528), (853, 18537), (879, 18612), (896, 18663), (983, 18858), (993, 18897), (994, 18900), (1004, 18918),

Gene: TiroTheta9_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for TiroTheta9_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992,

21579),

Gene: Toaka_27 Start: 19911, Stop: 21698, Start Num: 156
Candidate Starts for Toaka_27:
(110, 19845), (Start: 136 @19887 has 48 MA's), (Start: 156 @19911 has 559 MA's), (323, 20145), (325, 20148), (366, 20220), (367, 20223), (402, 20277), (406, 20283), (465, 20394), (469, 20400), (508, 20481), (550, 20562), (556, 20565), (575, 20625), (581, 20634), (669, 20814), (675, 20838), (689, 20877), (712, 20928), (731, 20958), (790, 21129), (821, 21186), (824, 21195), (835, 21234), (842, 21258), (866, 21333), (881, 21378), (899, 21429), (925, 21495), (943, 21534), (945, 21540), (964, 21585), (983, 21642),

Gene: Toast_19 Start: 16740, Stop: 18389, Start Num: 227
Candidate Starts for Toast_19:
(4, 15693), (5, 15738), (6, 15762), (7, 15768), (9, 15876), (10, 15924), (15, 15996), (23, 16071), (40, 16209), (45, 16239), (46, 16245), (66, 16377), (74, 16434), (76, 16443), (127, 16602), (203, 16704), (Start: 227 @16740 has 45 MA's), (283, 16845), (318, 16923), (349, 16983), (360, 16995), (361, 16998), (468, 17196), (475, 17211), (554, 17295), (560, 17307), (563, 17316), (564, 17319), (571, 17340), (591, 17382), (600, 17412), (677, 17595), (686, 17619), (700, 17670), (715, 17703), (739, 17763), (744, 17775), (763, 17817), (799, 17835), (844, 17970), (875, 18069), (881, 18087), (899, 18138), (921, 18198), (925, 18204), (968, 18279),

Gene: Todacoro_28 Start: 20455, Stop: 22254, Start Num: 156
Candidate Starts for Todacoro_28:
(Start: 156 @20455 has 559 MA's), (Start: 204 @20515 has 1 MA's), (254, 20584), (Start: 303 @20686 has 11 MA's), (323, 20698), (325, 20701), (367, 20776), (376, 20791), (402, 20830), (475, 20965), (508, 21034), (567, 21148), (615, 21274), (674, 21388), (683, 21412), (687, 21424), (689, 21430), (731, 21511), (762, 21586), (767, 21604), (769, 21613), (775, 21637), (777, 21643), (782, 21658), (800, 21691), (820, 21736), (821, 21739), (828, 21760), (867, 21889), (899, 21985), (943, 22090), (945, 22096), (992, 22231),

Gene: Togo_31 Start: 25850, Stop: 27616, Start Num: 111
Candidate Starts for Togo_31:
(93, 25808), (Start: 111 @25850 has 74 MA's), (Start: 131 @25886 has 1 MA's), (Start: 159 @25919 has 217 MA's), (287, 26129), (289, 26132), (323, 26162), (351, 26228), (367, 26252), (372, 26261), (393, 26294), (478, 26447), (495, 26486), (535, 26537), (539, 26549), (543, 26567), (548, 26579), (553, 26591), (562, 26606), (571, 26636), (572, 26639), (579, 26660), (636, 26732), (663, 26780), (699, 26891), (724, 26924), (740, 26963), (743, 26966), (769, 27038), (803, 27104), (809, 27116), (879, 27287), (880, 27290), (896, 27338), (909, 27365), (917, 27392), (919, 27398), (943, 27446), (984, 27563), (990, 27584), (1000, 27611),

Gene: Tolls_20 Start: 15401, Stop: 17098, Start Num: 151
Candidate Starts for Tolls_20:
(Start: 141 @15398 has 37 MA's), (Start: 151 @15401 has 50 MA's), (235, 15503), (241, 15515), (287, 15611), (344, 15695), (400, 15785), (430, 15845), (445, 15872), (462, 15902), (465, 15905), (495, 15974), (525, 16007), (530, 16019), (534, 16022), (540, 16043), (541, 16046), (567, 16112), (571, 16124), (666, 16289), (731, 16439), (736, 16454), (744, 16472), (767, 16529), (835, 16670), (837, 16676), (841, 16688), (853, 16697), (878, 16769), (879, 16772), (881, 16778), (885, 16790), (925, 16895), (931, 16904), (945, 16937),

Gene: TomBrady_18 Start: 16650, Stop: 18404, Start Num: 194
Candidate Starts for TomBrady_18:
(Start: 171 @16641 has 28 MA's), (Start: 194 @16650 has 44 MA's), (Start: 196 @16656 has 2 MA's), (201, 16662), (277, 16794), (295, 16845), (311, 16875), (325, 16899), (367, 17001), (391, 17040),

(395, 17046), (406, 17061), (425, 17106), (488, 17226), (513, 17283), (536, 17322), (557, 17370), (567, 17397), (571, 17409), (607, 17490), (647, 17535), (731, 17733), (743, 17763), (751, 17781), (762, 17808), (785, 17892), (805, 17910), (818, 17925), (831, 17973), (835, 17988), (867, 18051), (885, 18108), (899, 18147), (915, 18189), (948, 18240), (983, 18336), (1004, 18396),

Gene: Tomaszewski_23 Start: 19346, Stop: 21025, Start Num: 147
Candidate Starts for Tomaszewski_23:
(Start: 147 @19346 has 120 MA's), (Start: 212 @19430 has 47 MA's), (Start: 260 @19508 has 1 MA's), (296, 19595), (301, 19610), (332, 19658), (349, 19697), (405, 19784), (420, 19817), (437, 19853), (454, 19883), (457, 19889), (538, 19958), (561, 19988), (565, 20000), (566, 20003), (591, 20060), (650, 20192), (651, 20198), (675, 20264), (677, 20270), (686, 20294), (704, 20342), (715, 20366), (721, 20375), (754, 20450), (810, 20501), (819, 20516), (867, 20678), (875, 20705), (885, 20735), (926, 20840), (971, 20918), (980, 20954), (983, 20963), (992, 20996), (998, 21011),

Gene: Tomathan_31 Start: 20049, Stop: 21839, Start Num: 156
Candidate Starts for Tomathan_31:
(110, 19983), (Start: 136 @20025 has 48 MA's), (Start: 156 @20049 has 559 MA's), (323, 20283), (325, 20286), (366, 20358), (367, 20361), (376, 20376), (402, 20415), (406, 20421), (465, 20532), (475, 20550), (508, 20619), (550, 20700), (556, 20703), (615, 20859), (635, 20889), (731, 21096), (775, 21222), (821, 21324), (831, 21357), (835, 21372), (842, 21396), (866, 21471), (867, 21474), (869, 21486), (899, 21570), (933, 21648), (943, 21675), (945, 21681), (964, 21726), (968, 21735), (992, 21816),

Gene: ToneTone_29 Start: 19903, Stop: 21675, Start Num: 156
Candidate Starts for ToneTone_29:
(110, 19837), (Start: 136 @19879 has 48 MA's), (Start: 156 @19903 has 559 MA's), (325, 20140), (366, 20212), (367, 20215), (376, 20230), (402, 20269), (406, 20275), (465, 20386), (469, 20392), (484, 20431), (508, 20473), (536, 20512), (550, 20554), (556, 20557), (615, 20713), (684, 20854), (689, 20869), (777, 21082), (828, 21181), (835, 21208), (852, 21259), (855, 21268), (866, 21307), (869, 21322), (899, 21406), (943, 21511), (945, 21517), (992, 21652),

Gene: Toniann_48 Start: 29557, Stop: 31248, Start Num: 165
Candidate Starts for Toniann_48:
(Start: 165 @29557 has 14 MA's), (207, 29617), (229, 29650), (250, 29683), (299, 29809), (317, 29842), (322, 29851), (392, 29980), (418, 30028), (591, 30241), (592, 30247), (600, 30271), (661, 30400), (666, 30421), (677, 30454), (754, 30652), (844, 30805), (875, 30904), (879, 30916), (882, 30925), (913, 31009), (981, 31156), (991, 31192), (994, 31204),

Gene: TootsiePop_17 Start: 14677, Stop: 16386, Start Num: 142
Candidate Starts for TootsiePop_17:
(Start: 142 @14677 has 207 MA's), (215, 14764), (Start: 249 @14809 has 2 MA's), (258, 14833), (299, 14938), (301, 14944), (309, 14962), (320, 14971), (332, 14992), (390, 15097), (422, 15157), (425, 15166), (434, 15178), (437, 15187), (450, 15211), (473, 15247), (475, 15253), (482, 15265), (535, 15286), (536, 15289), (539, 15298), (544, 15313), (546, 15319), (558, 15337), (564, 15352), (566, 15358), (572, 15376), (573, 15379), (580, 15394), (589, 15409), (591, 15415), (605, 15463), (611, 15475), (614, 15481), (648, 15541), (653, 15553), (658, 15562), (666, 15589), (670, 15601), (677, 15622), (700, 15676), (704, 15685), (715, 15709), (730, 15739), (806, 15844), (812, 15856), (825, 15892), (847, 15970), (878, 16069), (885, 16090), (896, 16123), (911, 16153), (919, 16183), (922, 16189), (924, 16192), (928, 16198), (944, 16213), (945, 16216), (953, 16237), (973, 16282), (992, 16354), (993, 16360),

Gene: Tootsieroll_17 Start: 14648, Stop: 16357, Start Num: 142
Candidate Starts for Tootsieroll_17:

(Start: 142 @14648 has 207 MA's), (215, 14735), (Start: 249 @14780 has 2 MA's), (258, 14804), (282, 14861), (299, 14909), (301, 14915), (309, 14933), (332, 14963), (390, 15068), (422, 15128), (425, 15137), (437, 15158), (450, 15182), (473, 15218), (475, 15224), (535, 15257), (536, 15260), (539, 15269), (544, 15284), (546, 15290), (558, 15308), (564, 15323), (566, 15329), (572, 15347), (573, 15350), (580, 15365), (582, 15368), (589, 15380), (591, 15386), (605, 15434), (611, 15446), (614, 15452), (648, 15512), (653, 15524), (666, 15560), (670, 15572), (700, 15647), (704, 15656), (713, 15674), (715, 15680), (730, 15710), (806, 15815), (810, 15824), (812, 15827), (825, 15863), (847, 15941), (878, 16040), (885, 16061), (896, 16094), (911, 16124), (919, 16154), (924, 16163), (928, 16169), (944, 16184), (945, 16187), (955, 16211), (968, 16241), (973, 16253), (980, 16283), (992, 16325),

Gene: Topanga_27 Start: 19924, Stop: 21702, Start Num: 156
Candidate Starts for Topanga_27:
(Start: 156 @19924 has 559 MA's), (Start: 204 @19981 has 1 MA's), (215, 19996), (238, 20029), (254, 20050), (Start: 303 @20152 has 11 MA's), (323, 20164), (325, 20167), (367, 20242), (376, 20257), (402, 20296), (465, 20413), (475, 20431), (508, 20500), (546, 20575), (567, 20614), (581, 20653), (615, 20740), (644, 20785), (674, 20854), (683, 20878), (687, 20890), (689, 20896), (731, 20977), (767, 21070), (769, 21079), (775, 21103), (777, 21109), (782, 21124), (808, 21157), (828, 21208), (833, 21226), (875, 21364), (879, 21376), (899, 21433), (911, 21457), (912, 21463), (943, 21538), (945, 21544), (948, 21553), (971, 21604), (992, 21679),

Gene: Topgun_27 Start: 20974, Stop: 22776, Start Num: 159
Candidate Starts for Topgun_27:
(Start: 159 @20974 has 217 MA's), (Start: 176 @20995 has 45 MA's), (Start: 204 @21037 has 1 MA's), (237, 21082), (367, 21298), (395, 21343), (402, 21352), (448, 21442), (449, 21445), (556, 21640), (581, 21709), (670, 21898), (674, 21910), (675, 21913), (683, 21934), (730, 22030), (731, 22033), (733, 22039), (762, 22108), (767, 22126), (769, 22135), (777, 22165), (821, 22261), (831, 22294), (835, 22309), (844, 22339), (879, 22450), (899, 22507), (945, 22618),

Gene: Topper_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Topper_23:
(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: Toro_30 Start: 22924, Stop: 24726, Start Num: 156
Candidate Starts for Toro_30:
(Start: 144 @22912 has 2 MA's), (Start: 156 @22924 has 559 MA's), (Start: 204 @22972 has 1 MA's), (217, 22990), (323, 23155), (325, 23158), (367, 23233), (376, 23248), (402, 23287), (469, 23410), (473, 23416), (484, 23449), (508, 23491), (575, 23635), (636, 23761), (674, 23842), (689, 23884), (706, 23932), (730, 23980), (731, 23983), (762, 24058), (767, 24076), (769, 24085), (775, 24109), (777, 24115), (820, 24208), (821, 24211), (831, 24244), (835, 24259), (879, 24400), (934, 24538), (943, 24562), (945, 24568), (984, 24673),

Gene: Torres_19 Start: 16697, Stop: 18463, Start Num: 178
Candidate Starts for Torres_19:
(Start: 178 @16697 has 139 MA's), (Start: 181 @16703 has 15 MA's), (198, 16727), (272, 16853), (277, 16868), (284, 16886), (311, 16949), (371, 17084), (376, 17090), (436, 17198), (441, 17207), (491, 17312), (534, 17381), (536, 17387), (547, 17423), (557, 17435), (579, 17498), (647, 17600), (656, 17618), (670, 17660), (671, 17663), (721, 17768), (751, 17840), (784, 17948), (786, 17954),

(821, 17999), (837, 18053), (853, 18074), (879, 18149), (896, 18200), (948, 18299), (954, 18314), (971, 18350), (983, 18395), (993, 18434), (994, 18437), (1004, 18455),

Gene: Tortellini_18 Start: 15988, Stop: 17724, Start Num: 137
Candidate Starts for Tortellini_18:
(Start: 137 @15988 has 45 MA's), (201, 16072), (241, 16123), (243, 16126), (Start: 249 @16135 has 2 MA's), (274, 16192), (282, 16213), (300, 16264), (317, 16288), (322, 16297), (382, 16408), (405, 16447), (457, 16555), (466, 16567), (536, 16621), (538, 16624), (555, 16663), (558, 16669), (566, 16690), (567, 16693), (591, 16747), (597, 16768), (638, 16873), (658, 16906), (670, 16945), (682, 16978), (704, 17044), (715, 17068), (726, 17092), (740, 17122), (746, 17134), (822, 17236), (827, 17248), (830, 17257), (832, 17266), (862, 17365), (865, 17374), (892, 17458), (937, 17557), (992, 17698), (998, 17713),

Gene: Tortoise12_18 Start: 14989, Stop: 16698, Start Num: 147
Candidate Starts for Tortoise12_18:
(Start: 147 @14989 has 120 MA's), (Start: 171 @15016 has 28 MA's), (Start: 249 @15121 has 2 MA's), (252, 15133), (269, 15169), (290, 15220), (299, 15250), (301, 15256), (320, 15283), (324, 15289), (390, 15409), (419, 15463), (422, 15469), (432, 15487), (437, 15499), (438, 15502), (450, 15523), (475, 15565), (535, 15598), (558, 15649), (564, 15664), (580, 15706), (589, 15721), (591, 15727), (605, 15775), (616, 15799), (625, 15829), (648, 15853), (670, 15913), (674, 15925), (693, 15979), (700, 15988), (727, 16048), (730, 16051), (806, 16156), (810, 16165), (825, 16204), (866, 16342), (918, 16492), (919, 16495), (924, 16504), (944, 16525), (955, 16552), (971, 16588), (998, 16681),

Gene: Tote_29 Start: 21585, Stop: 23387, Start Num: 159
Candidate Starts for Tote_29:
(Start: 159 @21585 has 217 MA's), (Start: 176 @21606 has 45 MA's), (Start: 204 @21648 has 1 MA's), (237, 21693), (367, 21909), (395, 21954), (402, 21963), (421, 22002), (448, 22053), (449, 22056), (556, 22251), (581, 22320), (674, 22521), (675, 22524), (683, 22545), (730, 22641), (731, 22644), (733, 22650), (762, 22719), (767, 22737), (769, 22746), (777, 22776), (821, 22872), (831, 22905), (835, 22920), (879, 23061), (899, 23118), (945, 23229),

Gene: Totinger_17 Start: 14596, Stop: 16305, Start Num: 142
Candidate Starts for Totinger_17:
(Start: 142 @14596 has 207 MA's), (215, 14683), (Start: 249 @14728 has 2 MA's), (258, 14752), (299, 14857), (301, 14863), (309, 14881), (332, 14911), (390, 15016), (422, 15076), (432, 15094), (434, 15097), (437, 15106), (450, 15130), (558, 15256), (564, 15271), (566, 15277), (580, 15313), (582, 15316), (589, 15328), (591, 15334), (605, 15382), (611, 15394), (614, 15400), (648, 15460), (653, 15472), (666, 15508), (670, 15520), (700, 15595), (704, 15604), (713, 15622), (715, 15628), (730, 15658), (806, 15763), (812, 15775), (825, 15811), (847, 15889), (885, 16009), (896, 16042), (911, 16072), (913, 16084), (919, 16102), (922, 16108), (924, 16111), (928, 16117), (944, 16132), (945, 16135), (953, 16156), (955, 16159), (973, 16201), (980, 16231), (992, 16273), (993, 16279),

Gene: Toto_24 Start: 19830, Stop: 21425, Start Num: 212
Candidate Starts for Toto_24:
(Start: 147 @19746 has 120 MA's), (Start: 212 @19830 has 47 MA's), (Start: 260 @19908 has 1 MA's), (296, 19995), (301, 20010), (332, 20058), (349, 20097), (405, 20184), (420, 20217), (437, 20253), (454, 20283), (457, 20289), (538, 20358), (561, 20388), (565, 20400), (566, 20403), (591, 20460), (650, 20592), (651, 20598), (675, 20664), (677, 20670), (686, 20694), (704, 20742), (715, 20766), (721, 20775), (754, 20850), (810, 20901), (819, 20916), (867, 21078), (875, 21105), (885, 21135), (926, 21240), (971, 21318), (980, 21354), (983, 21363), (992, 21396), (998, 21411),

Gene: TouchMeNot_19 Start: 17425, Stop: 19089, Start Num: 159

Candidate Starts for TouchMeNot_19:
(Start: 159 @17425 has 217 MA's), (184, 17458), (346, 17716), (395, 17794), (462, 17917), (469, 17926), (471, 17929), (475, 17938), (478, 17947), (556, 18088), (562, 18100), (579, 18154), (667, 18289), (678, 18322), (686, 18340), (690, 18352), (694, 18367), (730, 18427), (737, 18448), (740, 18457), (767, 18523), (775, 18556), (808, 18586), (811, 18592), (813, 18595), (835, 18664), (878, 18763), (881, 18772), (944, 18928), (948, 18940),

Gene: Tourach_18 Start: 16987, Stop: 18720, Start Num: 175
Candidate Starts for Tourach_18:
(Start: 175 @16987 has 56 MA's), (223, 17056), (295, 17197), (296, 17200), (318, 17230), (327, 17245), (343, 17278), (366, 17323), (400, 17377), (414, 17404), (419, 17416), (445, 17467), (448, 17473), (469, 17506), (546, 17659), (562, 17683), (564, 17692), (579, 17737), (601, 17788), (686, 17950), (712, 18013), (746, 18085), (764, 18121), (819, 18220), (824, 18241), (826, 18247), (830, 18259), (860, 18322), (888, 18409), (896, 18436), (899, 18442), (912, 18469), (915, 18481), (925, 18505), (935, 18520), (951, 18556), (977, 18634), (983, 18652),

Gene: Towmatter_29 Start: 25303, Stop: 27189, Start Num: 167
Candidate Starts for Towmatter_29:
(Start: 167 @25303 has 22 MA's), (245, 25414), (269, 25465), (287, 25513), (346, 25645), (392, 25720), (418, 25768), (463, 25852), (515, 25990), (546, 26089), (586, 26182), (591, 26194), (592, 26200), (600, 26224), (614, 26260), (616, 26266), (670, 26386), (682, 26419), (686, 26431), (713, 26491), (754, 26593), (806, 26635), (819, 26659), (857, 26782), (879, 26857), (885, 26875), (932, 26989), (1005, 27181),

Gene: Traaww1_22 Start: 19391, Stop: 21070, Start Num: 147
Candidate Starts for Traaww1_22:
(Start: 147 @19391 has 120 MA's), (Start: 212 @19475 has 47 MA's), (Start: 260 @19553 has 1 MA's), (296, 19640), (301, 19655), (332, 19703), (349, 19742), (405, 19829), (409, 19841), (420, 19862), (437, 19898), (454, 19928), (457, 19934), (538, 20003), (561, 20033), (565, 20045), (566, 20048), (591, 20105), (650, 20237), (651, 20243), (675, 20309), (677, 20315), (686, 20339), (704, 20387), (715, 20411), (721, 20420), (754, 20495), (810, 20546), (819, 20561), (867, 20723), (875, 20750), (885, 20780), (926, 20885), (971, 20963), (980, 20999), (983, 21008), (992, 21041), (998, 21056),

Gene: Tracker_41 Start: 29603, Stop: 31216, Start Num: 202
Candidate Starts for Tracker_41:
(Start: 202 @29603 has 36 MA's), (Start: 231 @29639 has 1 MA's), (242, 29657), (277, 29717), (406, 29957), (410, 29969), (417, 29984), (458, 30050), (469, 30065), (481, 30089), (482, 30092), (519, 30176), (535, 30206), (536, 30209), (557, 30257), (562, 30266), (576, 30314), (577, 30317), (590, 30338), (663, 30443), (686, 30488), (704, 30530), (773, 30704), (783, 30734), (785, 30740), (860, 30848), (861, 30851), (885, 30926), (980, 31145), (998, 31202),

Gene: Traft412_29 Start: 22064, Stop: 23866, Start Num: 159
Candidate Starts for Traft412_29:
(Start: 159 @22064 has 217 MA's), (Start: 176 @22085 has 45 MA's), (Start: 204 @22127 has 1 MA's), (237, 22172), (367, 22388), (395, 22433), (402, 22442), (421, 22481), (448, 22532), (449, 22535), (556, 22730), (581, 22799), (674, 23000), (675, 23003), (683, 23024), (730, 23120), (731, 23123), (733, 23129), (762, 23198), (767, 23216), (769, 23225), (777, 23255), (821, 23351), (831, 23384), (835, 23399), (879, 23540), (899, 23597), (945, 23708), (1000, 23861),

Gene: Travvers_31 Start: 20049, Stop: 21839, Start Num: 156
Candidate Starts for Travvers_31:

(110, 19983), (Start: 136 @20025 has 48 MA's), (Start: 156 @20049 has 559 MA's), (323, 20283), (325, 20286), (366, 20358), (367, 20361), (376, 20376), (402, 20415), (406, 20421), (465, 20532), (475, 20550), (508, 20619), (550, 20700), (556, 20703), (615, 20859), (635, 20889), (731, 21096), (775, 21222), (821, 21324), (831, 21357), (835, 21372), (842, 21396), (866, 21471), (867, 21474), (869, 21486), (899, 21570), (933, 21648), (943, 21675), (945, 21681), (964, 21726), (968, 21735), (992, 21816),

Gene: Trax_28 Start: 23606, Stop: 25348, Start Num: 167
Candidate Starts for Trax_28:
(108, 23528), (Start: 149 @23591 has 1 MA's), (Start: 167 @23606 has 22 MA's), (Start: 181 @23618 has 15 MA's), (Start: 194 @23636 has 44 MA's), (223, 23678), (241, 23705), (275, 23762), (296, 23822), (342, 23897), (343, 23900), (346, 23909), (350, 23918), (366, 23957), (367, 23960), (402, 24014), (412, 24035), (430, 24071), (445, 24101), (478, 24161), (479, 24167), (508, 24221), (546, 24290), (552, 24299), (562, 24314), (602, 24422), (613, 24428), (678, 24554), (717, 24647), (731, 24668), (732, 24671), (762, 24743), (771, 24776), (777, 24797), (824, 24866), (826, 24872), (829, 24881), (875, 24998), (878, 25007), (899, 25067), (914, 25103), (919, 25118), (943, 25154), (945, 25160), (964, 25223), (977, 25265), (985, 25292), (990, 25307), (1002, 25337),

Gene: Treddle_29 Start: 22354, Stop: 24156, Start Num: 159
Candidate Starts for Treddle_29:
(Start: 159 @22354 has 217 MA's), (Start: 176 @22375 has 45 MA's), (Start: 204 @22417 has 1 MA's), (237, 22462), (367, 22678), (395, 22723), (402, 22732), (421, 22771), (448, 22822), (449, 22825), (495, 22918), (556, 23020), (581, 23089), (674, 23290), (675, 23293), (683, 23314), (730, 23410), (731, 23413), (733, 23419), (762, 23488), (767, 23506), (769, 23515), (777, 23545), (821, 23641), (831, 23674), (835, 23689), (879, 23830), (899, 23887), (945, 23998),

Gene: TreyKay_23 Start: 17122, Stop: 18888, Start Num: 178
Candidate Starts for TreyKay_23:
(Start: 178 @17122 has 139 MA's), (198, 17152), (284, 17311), (295, 17344), (311, 17374), (329, 17407), (335, 17419), (371, 17509), (400, 17551), (431, 17614), (436, 17623), (441, 17632), (465, 17671), (484, 17716), (491, 17737), (492, 17740), (536, 17812), (551, 17854), (557, 17860), (567, 17887), (647, 18025), (656, 18043), (670, 18085), (676, 18103), (688, 18133), (702, 18160), (751, 18265), (821, 18424), (832, 18460), (841, 18490), (853, 18499), (879, 18574), (896, 18625), (983, 18820), (993, 18859), (994, 18862), (1004, 18880),

Gene: TriFive_19 Start: 17373, Stop: 19136, Start Num: 136
Candidate Starts for TriFive_19:
(Start: 136 @17373 has 48 MA's), (Start: 161 @17400 has 14 MA's), (207, 17463), (241, 17511), (246, 17517), (269, 17553), (296, 17628), (Start: 303 @17652 has 11 MA's), (318, 17658), (346, 17715), (414, 17829), (419, 17841), (478, 17952), (556, 18096), (562, 18108), (572, 18141), (674, 18330), (676, 18336), (695, 18393), (716, 18435), (724, 18444), (731, 18456), (762, 18531), (782, 18600), (785, 18612), (826, 18660), (858, 18726), (881, 18804), (896, 18849), (919, 18906), (951, 18969), (963, 19005), (969, 19020), (977, 19050), (979, 19056), (983, 19068), (985, 19077), (989, 19089),

Gene: TribleTrouble_21 Start: 17403, Stop: 19166, Start Num: 178
Candidate Starts for TribleTrouble_21:
(Start: 171 @17394 has 28 MA's), (Start: 178 @17403 has 139 MA's), (256, 17508), (277, 17562), (295, 17613), (311, 17643), (325, 17667), (436, 17898), (441, 17907), (448, 17919), (484, 17991), (485, 17994), (488, 18000), (491, 18012), (492, 18015), (536, 18087), (539, 18096), (551, 18129), (557, 18135), (571, 18174), (587, 18210), (671, 18363), (682, 18393), (707, 18450), (751, 18543), (769, 18597), (821, 18699), (831, 18732), (835, 18747), (851, 18771), (863, 18798), (881, 18855), (896, 18900), (948, 19002), (989, 19119), (993, 19137), (996, 19143), (1004, 19158),

Gene: Trike_25 Start: 17896, Stop: 19674, Start Num: 156
Candidate Starts for Trike_25:
(Start: 136 @17872 has 48 MA's), (Start: 156 @17896 has 559 MA's), (Start: 204 @17953 has 1 MA's), (215, 17968), (254, 18022), (323, 18136), (325, 18139), (367, 18214), (391, 18253), (465, 18385), (508, 18472), (546, 18547), (567, 18586), (581, 18625), (615, 18712), (644, 18757), (674, 18826), (683, 18850), (687, 18862), (689, 18868), (767, 19042), (769, 19051), (775, 19075), (777, 19081), (782, 19096), (808, 19129), (828, 19180), (844, 19237), (845, 19243), (899, 19405), (943, 19510), (945, 19516), (948, 19525), (992, 19651),

Gene: Trine_18 Start: 14775, Stop: 16385, Start Num: 177
Candidate Starts for Trine_18:
(Start: 177 @14775 has 11 MA's), (258, 14901), (324, 15048), (418, 15222), (532, 15339), (586, 15420), (624, 15525), (653, 15576), (669, 15615), (674, 15636), (724, 15750), (726, 15753), (753, 15813), (761, 15825), (762, 15828), (806, 15855), (854, 15996), (858, 16011), (919, 16191), (946, 16221), (973, 16287), (984, 16329), (998, 16374),

Gene: Tripl3t_28 Start: 21973, Stop: 23775, Start Num: 159
Candidate Starts for Tripl3t_28:
(Start: 159 @21973 has 217 MA's), (Start: 176 @21994 has 45 MA's), (Start: 204 @22036 has 1 MA's), (237, 22081), (367, 22297), (395, 22342), (402, 22351), (421, 22390), (448, 22441), (449, 22444), (556, 22639), (581, 22708), (674, 22909), (675, 22912), (683, 22933), (730, 23029), (731, 23032), (733, 23038), (762, 23107), (767, 23125), (769, 23134), (777, 23164), (821, 23260), (831, 23293), (835, 23308), (879, 23449), (899, 23506), (945, 23617),

Gene: Tristan_29 Start: 21808, Stop: 23580, Start Num: 156
Candidate Starts for Tristan_29:
(Start: 136 @21784 has 48 MA's), (Start: 156 @21808 has 559 MA's), (259, 21943), (269, 21961), (323, 22042), (325, 22045), (366, 22117), (367, 22120), (430, 22231), (445, 22258), (465, 22291), (484, 22336), (508, 22378), (556, 22462), (615, 22618), (636, 22651), (723, 22840), (731, 22855), (775, 22981), (777, 22987), (808, 23035), (831, 23098), (835, 23113), (837, 23119), (855, 23173), (866, 23212), (869, 23227), (899, 23311), (943, 23416), (945, 23422), (951, 23440), (964, 23467),

Gene: Trixie_31 Start: 21855, Stop: 23627, Start Num: 156
Candidate Starts for Trixie_31:
(110, 21789), (Start: 136 @21831 has 48 MA's), (Start: 156 @21855 has 559 MA's), (281, 22038), (323, 22089), (325, 22092), (366, 22164), (367, 22167), (402, 22221), (406, 22227), (421, 22260), (445, 22305), (465, 22338), (508, 22425), (550, 22506), (556, 22509), (567, 22539), (635, 22695), (674, 22779), (675, 22782), (689, 22821), (723, 22887), (731, 22902), (777, 23034), (808, 23082), (821, 23112), (835, 23160), (837, 23166), (855, 23220), (869, 23274), (899, 23358), (925, 23424), (933, 23436), (943, 23463), (945, 23469),

Gene: Troje_18 Start: 15362, Stop: 17059, Start Num: 151
Candidate Starts for Troje_18:
(122, 15332), (Start: 141 @15359 has 37 MA's), (Start: 151 @15362 has 50 MA's), (287, 15572), (395, 15740), (400, 15746), (456, 15854), (477, 15890), (488, 15920), (495, 15935), (525, 15968), (530, 15980), (543, 16016), (567, 16073), (571, 16085), (644, 16205), (655, 16226), (666, 16250), (731, 16400), (736, 16415), (744, 16433), (767, 16490), (832, 16619), (835, 16631), (841, 16649), (853, 16658), (878, 16730), (879, 16733), (881, 16739), (885, 16751), (925, 16856), (931, 16865), (945, 16898), (989, 17024),

Gene: Trooper_28 Start: 20008, Stop: 21780, Start Num: 156
Candidate Starts for Trooper_28:

(110, 19942), (Start: 136 @19984 has 48 MA's), (Start: 156 @20008 has 559 MA's), (269, 20161), (323, 20242), (325, 20245), (366, 20317), (367, 20320), (402, 20374), (465, 20491), (508, 20578), (550, 20659), (556, 20662), (635, 20848), (675, 20935), (689, 20974), (731, 21055), (775, 21181), (777, 21187), (835, 21313), (837, 21319), (866, 21412), (869, 21427), (899, 21511), (945, 21622), (968, 21676),

Gene: Trouble_28 Start: 21920, Stop: 23722, Start Num: 159
Candidate Starts for Trouble_28:
(Start: 159 @21920 has 217 MA's), (Start: 176 @21941 has 45 MA's), (Start: 204 @21983 has 1 MA's), (237, 22028), (367, 22244), (395, 22289), (402, 22298), (421, 22337), (448, 22388), (449, 22391), (556, 22586), (581, 22655), (674, 22856), (675, 22859), (683, 22880), (730, 22976), (731, 22979), (733, 22985), (767, 23072), (769, 23081), (777, 23111), (821, 23207), (831, 23240), (835, 23255), (879, 23396), (899, 23453), (945, 23564),

Gene: Troy_17 Start: 16284, Stop: 17981, Start Num: 132
Candidate Starts for Troy_17:
(Start: 132 @16284 has 8 MA's), (Start: 148 @16305 has 5 MA's), (Start: 212 @16389 has 47 MA's), (232, 16416), (237, 16422), (318, 16554), (346, 16605), (367, 16638), (371, 16647), (448, 16782), (469, 16815), (477, 16833), (503, 16887), (536, 16932), (562, 16989), (565, 17001), (577, 17040), (617, 17091), (622, 17100), (637, 17121), (670, 17187), (703, 17277), (758, 17385), (773, 17439), (775, 17445), (781, 17463), (837, 17559), (853, 17580), (869, 17625), (929, 17784), (939, 17799), (944, 17814), (948, 17826), (998, 17970),

Gene: TroyPia_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for TroyPia_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (479, 20349), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: TruffulaTree_23 Start: 17151, Stop: 18917, Start Num: 178
Candidate Starts for TruffulaTree_23:
(Start: 178 @17151 has 139 MA's), (198, 17181), (284, 17340), (295, 17373), (311, 17403), (329, 17436), (335, 17448), (371, 17538), (400, 17580), (436, 17652), (441, 17661), (465, 17700), (484, 17745), (491, 17766), (492, 17769), (527, 17823), (536, 17841), (551, 17883), (557, 17889), (567, 17916), (647, 18054), (656, 18072), (670, 18114), (676, 18132), (688, 18162), (702, 18189), (751, 18294), (821, 18453), (832, 18489), (841, 18519), (853, 18528), (879, 18603), (896, 18654), (948, 18753), (983, 18849), (993, 18888), (994, 18891), (1004, 18909),

Gene: Trumpet_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Trumpet_19:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: Tubs_30 Start: 21749, Stop: 23539, Start Num: 156
Candidate Starts for Tubs_30:

(Start: 153 @21746 has 9 MA's), (Start: 156 @21749 has 559 MA's), (323, 21983), (325, 21986), (366, 22058), (367, 22061), (376, 22076), (402, 22115), (406, 22121), (465, 22232), (508, 22319), (550, 22400), (556, 22403), (635, 22589), (669, 22652), (675, 22676), (677, 22682), (689, 22715), (731, 22796), (775, 22922), (788, 22964), (790, 22967), (821, 23024), (831, 23057), (835, 23072), (866, 23171), (867, 23174), (869, 23186), (899, 23270), (925, 23336), (943, 23375), (945, 23381), (964, 23426), (983, 23483), (984, 23486),

Gene: Tucker_31 Start: 19989, Stop: 21761, Start Num: 156
Candidate Starts for Tucker_31:
(110, 19923), (Start: 136 @19965 has 48 MA's), (Start: 156 @19989 has 559 MA's), (325, 20226), (366, 20298), (367, 20301), (376, 20316), (402, 20355), (406, 20361), (465, 20472), (469, 20478), (484, 20517), (508, 20559), (536, 20598), (550, 20640), (556, 20643), (615, 20799), (684, 20940), (689, 20955), (777, 21168), (828, 21267), (835, 21294), (852, 21345), (855, 21354), (866, 21393), (869, 21408), (899, 21492), (943, 21597), (945, 21603), (992, 21738),

Gene: Tuco_25 Start: 20261, Stop: 21940, Start Num: 147
Candidate Starts for Tuco_25:
(Start: 147 @20261 has 120 MA's), (Start: 212 @20345 has 47 MA's), (Start: 260 @20423 has 1 MA's), (296, 20510), (301, 20525), (332, 20573), (349, 20612), (405, 20699), (420, 20732), (437, 20768), (454, 20798), (457, 20804), (538, 20873), (561, 20903), (565, 20915), (566, 20918), (591, 20975), (650, 21107), (651, 21113), (675, 21179), (677, 21185), (686, 21209), (704, 21257), (715, 21281), (721, 21290), (754, 21365), (810, 21416), (819, 21431), (867, 21593), (875, 21620), (885, 21650), (926, 21755), (971, 21833), (980, 21869), (983, 21878), (992, 21911), (998, 21926),

Gene: TuertoX_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for TuertoX_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Turbido_30 Start: 20695, Stop: 22467, Start Num: 156
Candidate Starts for Turbido_30:
(Start: 136 @20671 has 48 MA's), (Start: 156 @20695 has 559 MA's), (238, 20794), (281, 20878), (323, 20929), (325, 20932), (366, 21004), (367, 21007), (402, 21061), (421, 21100), (465, 21178), (508, 21265), (550, 21346), (556, 21349), (635, 21535), (675, 21622), (723, 21727), (731, 21742), (775, 21868), (777, 21874), (808, 21922), (835, 22000), (837, 22006), (855, 22060), (866, 22099), (869, 22114), (899, 22198), (945, 22309),

Gene: Turj99_26 Start: 20860, Stop: 22662, Start Num: 159
Candidate Starts for Turj99_26:
(Start: 159 @20860 has 217 MA's), (Start: 176 @20881 has 45 MA's), (Start: 204 @20923 has 1 MA's), (237, 20968), (367, 21184), (395, 21229), (402, 21238), (421, 21277), (448, 21328), (449, 21331), (556, 21526), (581, 21595), (674, 21796), (675, 21799), (683, 21820), (730, 21916), (731, 21919), (733, 21925), (767, 22012), (769, 22021), (777, 22051), (821, 22147), (831, 22180), (835, 22195), (879, 22336), (899, 22393), (945, 22504),

Gene: Turuncu_45 Start: 30900, Stop: 32519, Start Num: 202
Candidate Starts for Turuncu_45:
(Start: 202 @30900 has 36 MA's), (214, 30915), (Start: 231 @30936 has 1 MA's), (277, 31014), (343, 31152), (417, 31281), (433, 31311), (453, 31338), (458, 31347), (469, 31362), (519, 31473), (535, 31503), (536, 31506), (562, 31563), (687, 31788), (704, 31827), (728, 31875), (773, 32001), (785,

32037), (833, 32094), (861, 32148), (885, 32223), (948, 32355), (976, 32430), (980, 32442), (984, 32454), (986, 32463), (998, 32499),

Gene: Tweety_16 Start: 14860, Stop: 16569, Start Num: 142
Candidate Starts for Tweety_16:
(Start: 142 @14860 has 207 MA's), (215, 14947), (Start: 249 @14992 has 2 MA's), (258, 15016), (299, 15121), (301, 15127), (309, 15145), (332, 15175), (390, 15280), (422, 15340), (434, 15361), (437, 15370), (450, 15394), (558, 15520), (564, 15535), (566, 15541), (580, 15577), (582, 15580), (589, 15592), (591, 15598), (605, 15646), (611, 15658), (614, 15664), (648, 15724), (653, 15736), (666, 15772), (670, 15784), (700, 15859), (704, 15868), (713, 15886), (715, 15892), (730, 15922), (806, 16027), (810, 16036), (812, 16039), (825, 16075), (847, 16153), (878, 16252), (885, 16273), (896, 16306), (911, 16336), (919, 16366), (924, 16375), (928, 16381), (944, 16396), (945, 16399), (955, 16423), (968, 16453), (973, 16465), (980, 16495), (992, 16537),

Gene: Twigg_24 Start: 19629, Stop: 21425, Start Num: 156
Candidate Starts for Twigg_24:
(Start: 156 @19629 has 559 MA's), (241, 19734), (Start: 260 @19767 has 1 MA's), (325, 19866), (367, 19941), (376, 19956), (400, 19992), (436, 20064), (445, 20079), (469, 20118), (479, 20145), (519, 20205), (575, 20343), (579, 20349), (644, 20484), (670, 20541), (671, 20544), (674, 20553), (689, 20595), (694, 20613), (730, 20673), (731, 20676), (767, 20769), (769, 20778), (775, 20802), (820, 20910), (831, 20946), (899, 21156), (942, 21258), (945, 21267), (986, 21381), (992, 21402), (994, 21411),

Gene: Twinkle_20 Start: 18961, Stop: 20541, Start Num: 213
Candidate Starts for Twinkle_20:
(123, 18844), (Start: 213 @18961 has 53 MA's), (358, 19219), (369, 19240), (406, 19294), (423, 19333), (455, 19390), (469, 19411), (585, 19582), (592, 19600), (606, 19624), (631, 19645), (663, 19687), (691, 19768), (730, 19858), (751, 19909), (768, 19960), (769, 19963), (784, 20017), (836, 20107), (948, 20386), (951, 20395), (965, 20425),

Gene: Twister_27 Start: 19820, Stop: 21598, Start Num: 156
Candidate Starts for Twister_27:
(Start: 156 @19820 has 559 MA's), (Start: 204 @19877 has 1 MA's), (215, 19892), (238, 19925), (254, 19946), (Start: 303 @20048 has 11 MA's), (323, 20060), (325, 20063), (367, 20138), (376, 20153), (402, 20192), (465, 20309), (475, 20327), (508, 20396), (546, 20471), (567, 20510), (581, 20549), (615, 20636), (644, 20681), (674, 20750), (683, 20774), (687, 20786), (689, 20792), (731, 20873), (767, 20966), (769, 20975), (775, 20999), (777, 21005), (782, 21020), (808, 21053), (828, 21104), (833, 21122), (844, 21161), (875, 21260), (899, 21329), (911, 21353), (912, 21359), (943, 21434), (945, 21440), (948, 21449), (971, 21500), (992, 21575),

Gene: Twister6_33 Start: 26286, Stop: 28052, Start Num: 111
Candidate Starts for Twister6_33:
(93, 26244), (Start: 111 @26286 has 74 MA's), (Start: 131 @26322 has 1 MA's), (Start: 159 @26355 has 217 MA's), (287, 26565), (289, 26568), (323, 26598), (351, 26664), (367, 26688), (372, 26697), (393, 26730), (478, 26883), (495, 26922), (535, 26973), (539, 26985), (543, 27003), (548, 27015), (553, 27027), (562, 27042), (571, 27072), (572, 27075), (579, 27096), (636, 27168), (663, 27216), (699, 27327), (724, 27360), (740, 27399), (743, 27402), (769, 27474), (803, 27540), (809, 27552), (879, 27723), (883, 27735), (885, 27741), (896, 27774), (909, 27801), (917, 27828), (943, 27882), (984, 27999), (990, 28020), (1000, 28047),

Gene: Twitch_23 Start: 17188, Stop: 18954, Start Num: 178
Candidate Starts for Twitch_23:

(Start: 178 @17188 has 139 MA's), (198, 17218), (284, 17377), (295, 17410), (311, 17440), (329, 17473), (335, 17485), (371, 17575), (400, 17617), (436, 17689), (441, 17698), (465, 17737), (484, 17782), (491, 17803), (492, 17806), (527, 17860), (536, 17878), (551, 17920), (557, 17926), (567, 17953), (647, 18091), (656, 18109), (670, 18151), (676, 18169), (688, 18199), (702, 18226), (751, 18331), (821, 18490), (832, 18526), (841, 18556), (853, 18565), (879, 18640), (896, 18691), (983, 18886), (993, 18925), (994, 18928), (1004, 18946),

Gene: TwoPeat_28 Start: 21384, Stop: 23186, Start Num: 159
Candidate Starts for TwoPeat_28:
(Start: 159 @21384 has 217 MA's), (Start: 176 @21405 has 45 MA's), (Start: 204 @21447 has 1 MA's), (237, 21492), (367, 21708), (395, 21753), (402, 21762), (421, 21801), (448, 21852), (449, 21855), (556, 22050), (581, 22119), (674, 22320), (675, 22323), (683, 22344), (730, 22440), (731, 22443), (733, 22449), (762, 22518), (767, 22536), (769, 22545), (777, 22575), (821, 22671), (831, 22704), (835, 22719), (879, 22860), (899, 22917), (945, 23028),

Gene: Twonlo_30 Start: 27002, Stop: 28621, Start Num: 185
Candidate Starts for Twonlo_30:
(Start: 185 @27002 has 10 MA's), (201, 27023), (247, 27086), (296, 27209), (300, 27221), (332, 27278), (373, 27356), (438, 27479), (567, 27593), (578, 27623), (596, 27665), (621, 27728), (648, 27776), (651, 27785), (670, 27836), (688, 27884), (761, 28049), (806, 28079), (842, 28187), (843, 28190), (858, 28235), (873, 28292), (875, 28298), (877, 28304), (893, 28352), (896, 28361), (899, 28367), (901, 28370), (919, 28421), (948, 28466), (974, 28535), (989, 28583), (992, 28595),

Gene: TyDawg_28 Start: 22368, Stop: 24104, Start Num: 161
Candidate Starts for TyDawg_28:
(69, 22146), (Start: 119 @22326 has 3 MA's), (Start: 128 @22341 has 2 MA's), (Start: 161 @22368 has 14 MA's), (Start: 176 @22383 has 45 MA's), (201, 22422), (223, 22452), (Start: 227 @22458 has 45 MA's), (237, 22470), (291, 22575), (295, 22590), (323, 22629), (389, 22752), (395, 22761), (445, 22857), (471, 22899), (473, 22902), (562, 23079), (610, 23190), (636, 23217), (669, 23289), (670, 23298), (671, 23301), (675, 23313), (730, 23433), (731, 23436), (746, 23478), (761, 23508), (764, 23514), (824, 23634), (826, 23640), (969, 23994), (977, 24021), (983, 24039), (985, 24048),

Gene: Tycho_34 Start: 29613, Stop: 31376, Start Num: 111
Candidate Starts for Tycho_34:
(Start: 111 @29613 has 74 MA's), (Start: 131 @29649 has 1 MA's), (232, 29778), (238, 29787), (255, 29811), (285, 29883), (289, 29892), (340, 29961), (367, 30012), (395, 30057), (406, 30072), (414, 30090), (448, 30153), (475, 30198), (478, 30207), (543, 30327), (550, 30342), (553, 30351), (562, 30366), (571, 30396), (689, 30618), (695, 30636), (699, 30651), (730, 30693), (731, 30696), (740, 30723), (785, 30843), (833, 30936), (879, 31047), (880, 31050), (896, 31098), (909, 31125), (917, 31152), (943, 31206), (952, 31233),

Gene: TygerBlood_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for TygerBlood_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Typha_24 Start: 19608, Stop: 21443, Start Num: 121
Candidate Starts for Typha_24:

(Start: 121 @19608 has 6 MA's), (Start: 163 @19656 has 1 MA's), (Start: 169 @19665 has 3 MA's), (201, 19704), (228, 19734), (237, 19746), (256, 19782), (268, 19812), (272, 19821), (277, 19836), (295, 19887), (296, 19890), (345, 19989), (417, 20130), (445, 20181), (448, 20187), (473, 20226), (491, 20280), (536, 20349), (551, 20391), (568, 20427), (571, 20436), (606, 20514), (611, 20523), (629, 20553), (644, 20586), (647, 20589), (670, 20649), (678, 20673), (682, 20682), (715, 20751), (761, 20856), (762, 20859), (769, 20886), (860, 21069), (968, 21324), (993, 21414), (994, 21417), (996, 21420),

Gene: Typhonomachy_19 Start: 15732, Stop: 17429, Start Num: 151
Candidate Starts for Typhonomachy_19:
(Start: 141 @15729 has 37 MA's), (Start: 151 @15732 has 50 MA's), (287, 15942), (367, 16065), (400, 16116), (445, 16203), (449, 16212), (462, 16233), (473, 16248), (477, 16260), (525, 16338), (530, 16350), (541, 16377), (553, 16410), (567, 16443), (571, 16455), (590, 16497), (666, 16620), (691, 16692), (731, 16770), (736, 16785), (744, 16803), (767, 16860), (821, 16953), (832, 16989), (835, 17001), (837, 17007), (841, 17019), (853, 17028), (878, 17100), (879, 17103), (881, 17109), (885, 17121), (909, 17181), (925, 17226), (931, 17235), (945, 17268), (973, 17334),

Gene: Tyson_18 Start: 16746, Stop: 18515, Start Num: 136
Candidate Starts for Tyson_18:
(Start: 103 @16683 has 1 MA's), (Start: 111 @16704 has 74 MA's), (Start: 119 @16719 has 3 MA's), (Start: 136 @16746 has 48 MA's), (207, 16839), (241, 16887), (246, 16893), (265, 16920), (266, 16923), (269, 16929), (295, 17001), (298, 17010), (318, 17034), (327, 17049), (342, 17079), (414, 17205), (417, 17214), (427, 17235), (435, 17250), (475, 17319), (488, 17355), (501, 17376), (542, 17445), (562, 17484), (636, 17622), (644, 17634), (674, 17709), (676, 17715), (683, 17733), (695, 17772), (712, 17805), (716, 17814), (724, 17823), (730, 17832), (731, 17835), (774, 17955), (785, 17991), (826, 18039), (830, 18051), (858, 18105), (888, 18201), (893, 18219), (895, 18225), (896, 18228), (912, 18261), (919, 18285), (951, 18348), (965, 18390), (977, 18429), (983, 18447), (989, 18468), (994, 18489),

Gene: U2_27 Start: 21239, Stop: 23041, Start Num: 159
Candidate Starts for U2_27:
(Start: 159 @21239 has 217 MA's), (Start: 176 @21260 has 45 MA's), (Start: 204 @21302 has 1 MA's), (237, 21347), (367, 21563), (395, 21608), (402, 21617), (448, 21707), (449, 21710), (495, 21803), (556, 21905), (581, 21974), (674, 22175), (675, 22178), (683, 22199), (730, 22295), (731, 22298), (733, 22304), (762, 22373), (767, 22391), (769, 22400), (777, 22430), (821, 22526), (831, 22559), (835, 22574), (879, 22715), (899, 22772), (945, 22883),

Gene: UPIE_18 Start: 16744, Stop: 18513, Start Num: 136
Candidate Starts for UPIE_18:
(Start: 103 @16681 has 1 MA's), (Start: 111 @16702 has 74 MA's), (Start: 119 @16717 has 3 MA's), (Start: 136 @16744 has 48 MA's), (207, 16837), (241, 16885), (246, 16891), (265, 16918), (266, 16921), (269, 16927), (295, 16999), (298, 17008), (318, 17032), (327, 17047), (342, 17077), (414, 17203), (417, 17212), (427, 17233), (435, 17248), (475, 17317), (488, 17353), (501, 17374), (542, 17443), (562, 17482), (636, 17620), (644, 17632), (674, 17707), (676, 17713), (683, 17731), (695, 17770), (712, 17803), (716, 17812), (724, 17821), (730, 17830), (731, 17833), (774, 17953), (785, 17989), (826, 18037), (830, 18049), (858, 18103), (888, 18199), (893, 18217), (895, 18223), (896, 18226), (912, 18259), (919, 18283), (951, 18346), (965, 18388), (977, 18427), (983, 18445), (989, 18466), (994, 18487),

Gene: Ubuntu_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Ubuntu_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296,

17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Ugenie5_27 Start: 21782, Stop: 23572, Start Num: 156
Candidate Starts for Ugenie5_27:
(Start: 153 @21779 has 9 MA's), (Start: 156 @21782 has 559 MA's), (323, 22016), (325, 22019), (366, 22091), (367, 22094), (376, 22109), (402, 22148), (406, 22154), (465, 22265), (508, 22352), (550, 22433), (556, 22436), (635, 22622), (669, 22685), (675, 22709), (677, 22715), (689, 22748), (731, 22829), (775, 22955), (788, 22997), (821, 23057), (831, 23090), (835, 23105), (866, 23204), (867, 23207), (869, 23219), (899, 23303), (925, 23369), (943, 23408), (945, 23414), (964, 23459), (983, 23516), (984, 23519),

Gene: UhSalsa_23 Start: 16349, Stop: 17974, Start Num: 182
Candidate Starts for UhSalsa_23:
(Start: 182 @16349 has 32 MA's), (232, 16418), (256, 16454), (286, 16526), (367, 16640), (439, 16769), (465, 16811), (475, 16829), (478, 16838), (486, 16862), (495, 16880), (522, 16904), (525, 16910), (534, 16925), (535, 16928), (556, 16976), (669, 17177), (675, 17201), (730, 17315), (762, 17393), (772, 17432), (775, 17444), (808, 17474), (835, 17552), (894, 17699), (938, 17798), (943, 17813), (998, 17966),

Gene: Ukulele_24 Start: 19504, Stop: 21183, Start Num: 147
Candidate Starts for Ukulele_24:
(Start: 147 @19504 has 120 MA's), (Start: 212 @19588 has 47 MA's), (Start: 260 @19666 has 1 MA's), (296, 19753), (301, 19768), (332, 19816), (349, 19855), (405, 19942), (420, 19975), (437, 20011), (454, 20041), (457, 20047), (538, 20116), (561, 20146), (565, 20158), (566, 20161), (591, 20218), (650, 20350), (651, 20356), (675, 20422), (677, 20428), (686, 20452), (704, 20500), (715, 20524), (721, 20533), (754, 20608), (810, 20659), (819, 20674), (867, 20836), (875, 20863), (885, 20893), (926, 20998), (971, 21076), (980, 21112), (983, 21121), (992, 21154), (998, 21169),

Gene: Ulysses_26 Start: 19548, Stop: 21326, Start Num: 156
Candidate Starts for Ulysses_26:
(Start: 136 @19524 has 48 MA's), (Start: 156 @19548 has 559 MA's), (Start: 204 @19605 has 1 MA's), (241, 19659), (254, 19674), (Start: 260 @19692 has 1 MA's), (Start: 303 @19776 has 11 MA's), (323, 19788), (325, 19791), (367, 19866), (376, 19881), (402, 19920), (465, 20037), (508, 20124), (550, 20205), (572, 20253), (581, 20277), (615, 20364), (644, 20409), (675, 20481), (683, 20502), (689, 20520), (731, 20601), (767, 20694), (769, 20703), (775, 20727), (777, 20733), (784, 20757), (821, 20811), (828, 20832), (842, 20883), (850, 20907), (867, 20961), (899, 21057), (943, 21162), (948, 21177), (987, 21285), (992, 21303),

Gene: UmaThurman_19 Start: 16778, Stop: 18424, Start Num: 227
Candidate Starts for UmaThurman_19:
(203, 16742), (Start: 227 @16778 has 45 MA's), (283, 16880), (310, 16952), (318, 16958), (321, 16961), (374, 17057), (396, 17096), (435, 17177), (468, 17231), (475, 17246), (560, 17342), (591, 17417), (600, 17447), (677, 17630), (686, 17654), (739, 17798), (744, 17810), (799, 17870), (843, 18002), (844, 18005), (875, 18104), (881, 18122), (899, 18173), (925, 18239), (963, 18302), (968, 18314),

Gene: UncleRicky_17 Start: 14628, Stop: 16337, Start Num: 142
Candidate Starts for UncleRicky_17:

(Start: 142 @14628 has 207 MA's), (215, 14715), (Start: 249 @14760 has 2 MA's), (258, 14784), (282, 14841), (299, 14889), (301, 14895), (309, 14913), (332, 14943), (390, 15048), (419, 15102), (422, 15108), (425, 15117), (434, 15129), (437, 15138), (450, 15162), (473, 15198), (475, 15204), (482, 15216), (535, 15237), (536, 15240), (539, 15249), (544, 15264), (546, 15270), (558, 15288), (564, 15303), (566, 15309), (572, 15327), (573, 15330), (580, 15345), (589, 15360), (591, 15366), (600, 15396), (605, 15414), (611, 15426), (614, 15432), (648, 15492), (653, 15504), (666, 15540), (670, 15552), (677, 15573), (700, 15627), (704, 15636), (715, 15660), (730, 15690), (806, 15795), (812, 15807), (825, 15843), (836, 15882), (847, 15921), (878, 16020), (885, 16041), (896, 16074), (911, 16104), (919, 16134), (924, 16143), (928, 16149), (944, 16164), (945, 16167), (953, 16188), (955, 16191), (973, 16233), (980, 16263), (992, 16305), (993, 16311),

Gene: Underpass_18 Start: 16994, Stop: 18727, Start Num: 175
Candidate Starts for Underpass_18:
(Start: 175 @16994 has 56 MA's), (223, 17063), (295, 17204), (296, 17207), (327, 17252), (343, 17285), (346, 17294), (366, 17330), (400, 17384), (414, 17411), (419, 17423), (445, 17474), (448, 17480), (469, 17513), (546, 17666), (562, 17690), (564, 17699), (579, 17744), (588, 17759), (636, 17837), (686, 17957), (712, 18020), (746, 18092), (764, 18128), (824, 18248), (826, 18254), (830, 18266), (860, 18329), (888, 18416), (896, 18443), (925, 18512), (935, 18527), (943, 18539), (951, 18563), (977, 18641),

Gene: Unicorn_22 Start: 16372, Stop: 18138, Start Num: 178
Candidate Starts for Unicorn_22:
(Start: 171 @16363 has 28 MA's), (Start: 178 @16372 has 139 MA's), (198, 16402), (277, 16543), (284, 16561), (295, 16594), (311, 16624), (335, 16669), (371, 16759), (395, 16795), (441, 16882), (488, 16975), (491, 16987), (492, 16990), (498, 17008), (512, 17029), (527, 17044), (534, 17056), (536, 17062), (551, 17104), (557, 17110), (656, 17293), (676, 17353), (718, 17437), (724, 17455), (751, 17515), (774, 17590), (782, 17614), (821, 17674), (831, 17707), (832, 17710), (837, 17728), (853, 17749), (879, 17824), (896, 17875), (908, 17902), (948, 17974), (971, 18025), (993, 18109), (994, 18112), (1004, 18130),

Gene: UnionJack_24 Start: 18683, Stop: 20482, Start Num: 156
Candidate Starts for UnionJack_24:
(Start: 156 @18683 has 559 MA's), (241, 18788), (325, 18920), (344, 18956), (367, 18995), (376, 19010), (400, 19046), (436, 19118), (445, 19133), (465, 19166), (469, 19172), (567, 19367), (575, 19397), (579, 19403), (600, 19454), (644, 19538), (674, 19607), (689, 19649), (694, 19667), (730, 19727), (731, 19730), (762, 19805), (767, 19823), (820, 19964), (831, 20000), (942, 20315), (945, 20324),

Gene: Updawg_30 Start: 20656, Stop: 22428, Start Num: 156
Candidate Starts for Updawg_30:
(Start: 136 @20632 has 48 MA's), (Start: 156 @20656 has 559 MA's), (259, 20791), (323, 20890), (325, 20893), (366, 20965), (367, 20968), (402, 21022), (406, 21028), (436, 21091), (465, 21139), (479, 21172), (508, 21226), (550, 21307), (556, 21310), (567, 21340), (635, 21496), (675, 21583), (731, 21703), (774, 21826), (775, 21829), (777, 21835), (808, 21883), (831, 21946), (835, 21961), (837, 21967), (855, 22021), (866, 22060), (869, 22075), (881, 22108), (896, 22153), (943, 22264), (945, 22270), (968, 22324),

Gene: Upyo_18 Start: 14948, Stop: 16558, Start Num: 177
Candidate Starts for Upyo_18:
(118, 14867), (Start: 177 @14948 has 11 MA's), (Start: 185 @14957 has 10 MA's), (244, 15041), (258, 15074), (301, 15182), (324, 15221), (347, 15272), (368, 15305), (418, 15395), (434, 15425), (532, 15512), (584, 15590), (586, 15593), (611, 15665), (624, 15698), (653, 15749), (666, 15785), (674, 15809), (700, 15869), (724, 15923), (726, 15926), (746, 15968), (753, 15986), (761, 15998), (835,

16112), (854, 16169), (858, 16184), (984, 16502), (998, 16547),

Gene: Urkel_23 Start: 17102, Stop: 18868, Start Num: 178
Candidate Starts for Urkel_23:
(Start: 178 @17102 has 139 MA's), (198, 17132), (284, 17291), (295, 17324), (311, 17354), (329, 17387), (335, 17399), (371, 17489), (400, 17531), (436, 17603), (441, 17612), (465, 17651), (484, 17696), (492, 17720), (536, 17792), (551, 17834), (557, 17840), (567, 17867), (647, 18005), (656, 18023), (670, 18065), (688, 18113), (702, 18140), (751, 18245), (779, 18335), (832, 18440), (841, 18470), (853, 18479), (879, 18554), (896, 18605), (983, 18800), (993, 18839), (994, 18842), (1004, 18860),

Gene: Utz_19 Start: 16645, Stop: 18291, Start Num: 227
Candidate Starts for Utz_19:
(203, 16609), (Start: 227 @16645 has 45 MA's), (283, 16747), (318, 16825), (321, 16828), (374, 16924), (396, 16963), (435, 17044), (468, 17098), (475, 17113), (591, 17284), (600, 17314), (677, 17497), (686, 17521), (687, 17524), (700, 17572), (739, 17665), (744, 17677), (765, 17722), (799, 17737), (843, 17869), (844, 17872), (875, 17971), (881, 17989), (899, 18040), (925, 18106), (963, 18169), (968, 18181),

Gene: VA6_28 Start: 20204, Stop: 21994, Start Num: 156
Candidate Starts for VA6_28:
(110, 20138), (Start: 136 @20180 has 48 MA's), (Start: 156 @20204 has 559 MA's), (323, 20438), (325, 20441), (366, 20513), (367, 20516), (376, 20531), (402, 20570), (406, 20576), (465, 20687), (475, 20705), (479, 20720), (508, 20774), (550, 20855), (556, 20858), (615, 21014), (635, 21044), (677, 21137), (731, 21251), (775, 21377), (831, 21512), (835, 21527), (842, 21551), (866, 21626), (867, 21629), (869, 21641), (899, 21725), (933, 21803), (943, 21830), (945, 21836), (964, 21881), (968, 21890), (992, 21971),

Gene: VC3_31 Start: 20192, Stop: 21982, Start Num: 156
Candidate Starts for VC3_31:
(110, 20126), (Start: 136 @20168 has 48 MA's), (Start: 156 @20192 has 559 MA's), (323, 20426), (325, 20429), (366, 20501), (367, 20504), (376, 20519), (402, 20558), (406, 20564), (465, 20675), (475, 20693), (479, 20708), (508, 20762), (550, 20843), (556, 20846), (615, 21002), (635, 21032), (677, 21125), (731, 21239), (775, 21365), (831, 21500), (835, 21515), (842, 21539), (866, 21614), (867, 21617), (869, 21629), (899, 21713), (933, 21791), (943, 21818), (945, 21824), (964, 21869), (968, 21878), (992, 21959),

Gene: VRedHorse_16 Start: 14970, Stop: 16679, Start Num: 142
Candidate Starts for VRedHorse_16:
(Start: 142 @14970 has 207 MA's), (215, 15057), (Start: 249 @15102 has 2 MA's), (258, 15126), (282, 15183), (299, 15231), (301, 15237), (309, 15255), (332, 15285), (390, 15390), (422, 15450), (425, 15459), (437, 15480), (450, 15504), (475, 15546), (535, 15579), (539, 15591), (544, 15606), (558, 15630), (564, 15645), (566, 15651), (580, 15687), (589, 15702), (591, 15708), (593, 15717), (605, 15756), (611, 15768), (614, 15774), (648, 15834), (666, 15882), (670, 15894), (677, 15915), (700, 15969), (704, 15978), (713, 15996), (715, 16002), (730, 16032), (806, 16137), (812, 16149), (825, 16185), (836, 16224), (847, 16263), (878, 16362), (885, 16383), (896, 16416), (911, 16446), (919, 16476), (922, 16482), (924, 16485), (928, 16491), (944, 16506), (945, 16509), (953, 16530), (973, 16575), (980, 16605), (992, 16647), (993, 16653),

Gene: Vagabond_56 Start: 33305, Stop: 35041, Start Num: 126
Candidate Starts for Vagabond_56:
(Start: 120 @33296 has 2 MA's), (Start: 126 @33305 has 26 MA's), (Start: 195 @33395 has 1 MA's), (266, 33512), (282, 33548), (291, 33569), (299, 33596), (301, 33602), (322, 33632), (336, 33656),

(363, 33707), (437, 33845), (440, 33851), (472, 33902), (473, 33905), (482, 33923), (558, 33974), (566, 33995), (567, 33998), (589, 34046), (591, 34052), (605, 34100), (607, 34106), (611, 34112), (632, 34172), (648, 34196), (650, 34199), (666, 34244), (671, 34259), (674, 34268), (677, 34277), (693, 34322), (704, 34340), (721, 34373), (812, 34511), (820, 34532), (840, 34598), (848, 34628), (865, 34682), (878, 34724), (885, 34745), (892, 34766), (896, 34778), (907, 34799), (928, 34853), (971, 34931), (980, 34967), (986, 34988), (993, 35015),

Gene: Valary_34 Start: 26795, Stop: 28561, Start Num: 111
Candidate Starts for Valary_34:
(93, 26753), (Start: 111 @26795 has 74 MA's), (Start: 131 @26831 has 1 MA's), (Start: 159 @26864 has 217 MA's), (287, 27074), (289, 27077), (323, 27107), (351, 27173), (367, 27197), (372, 27206), (393, 27239), (478, 27392), (495, 27431), (535, 27482), (539, 27494), (543, 27512), (548, 27524), (553, 27536), (562, 27551), (571, 27581), (572, 27584), (579, 27605), (636, 27677), (689, 27803), (699, 27836), (724, 27869), (740, 27908), (743, 27911), (769, 27983), (803, 28049), (809, 28061), (879, 28232), (883, 28244), (885, 28250), (896, 28283), (909, 28310), (917, 28337), (943, 28391), (984, 28508), (990, 28529), (1000, 28556),

Gene: Validus_23 Start: 16448, Stop: 18214, Start Num: 178
Candidate Starts for Validus_23:
(Start: 178 @16448 has 139 MA's), (198, 16478), (272, 16604), (277, 16619), (284, 16637), (295, 16670), (335, 16745), (342, 16763), (371, 16835), (395, 16871), (436, 16949), (441, 16958), (488, 17051), (491, 17063), (492, 17066), (534, 17132), (536, 17138), (547, 17174), (551, 17180), (557, 17186), (567, 17213), (647, 17351), (656, 17369), (676, 17429), (688, 17459), (702, 17486), (721, 17519), (751, 17591), (769, 17645), (784, 17699), (786, 17705), (821, 17750), (831, 17783), (833, 17789), (841, 17816), (853, 17825), (879, 17900), (896, 17951), (954, 18065), (983, 18146), (993, 18185), (994, 18188), (1004, 18206),

Gene: VanDeWege_34 Start: 26622, Stop: 28388, Start Num: 111
Candidate Starts for VanDeWege_34:
(93, 26580), (Start: 111 @26622 has 74 MA's), (Start: 131 @26658 has 1 MA's), (Start: 159 @26691 has 217 MA's), (287, 26901), (289, 26904), (323, 26934), (367, 27024), (372, 27033), (393, 27066), (451, 27171), (478, 27219), (495, 27258), (535, 27309), (543, 27339), (548, 27351), (553, 27363), (562, 27378), (571, 27408), (572, 27411), (579, 27432), (636, 27504), (663, 27552), (699, 27663), (724, 27696), (743, 27738), (769, 27810), (803, 27876), (879, 28059), (880, 28062), (896, 28110), (909, 28137), (917, 28164), (943, 28218), (984, 28335), (990, 28356), (1000, 28383),

Gene: VanLee_20 Start: 16446, Stop: 18107, Start Num: 167
Candidate Starts for VanLee_20:
(Start: 153 @16431 has 9 MA's), (Start: 167 @16446 has 22 MA's), (193, 16482), (Start: 227 @16533 has 45 MA's), (342, 16716), (367, 16761), (445, 16896), (525, 17031), (535, 17049), (575, 17157), (577, 17160), (641, 17244), (670, 17304), (712, 17409), (731, 17439), (761, 17514), (762, 17517), (811, 17604), (821, 17628), (832, 17664), (866, 17736), (879, 17778), (883, 17790), (902, 17844), (917, 17886), (943, 17940), (972, 18009), (986, 18063), (989, 18072), (1000, 18102),

Gene: Vanisoa_27 Start: 19606, Stop: 21396, Start Num: 156
Candidate Starts for Vanisoa_27:
(110, 19540), (Start: 141 @19591 has 37 MA's), (Start: 156 @19606 has 559 MA's), (238, 19705), (323, 19840), (325, 19843), (366, 19915), (367, 19918), (376, 19933), (402, 19972), (406, 19978), (448, 20062), (465, 20089), (469, 20095), (508, 20176), (550, 20257), (556, 20260), (575, 20320), (581, 20329), (617, 20422), (675, 20533), (689, 20572), (712, 20623), (731, 20653), (790, 20824), (821, 20881), (831, 20914), (835, 20929), (842, 20953), (855, 20989), (866, 21028), (869, 21043), (899, 21127), (943, 21232), (945, 21238), (964, 21283),

Gene: Vasanti_17 Start: 14704, Stop: 16413, Start Num: 216
Candidate Starts for Vasanti_17:
(115, 14569), (123, 14584), (Start: 216 @14704 has 31 MA's), (243, 14746), (278, 14821), (304, 14893), (305, 14896), (376, 15025), (423, 15106), (469, 15184), (471, 15187), (488, 15232), (547, 15373), (583, 15454), (598, 15490), (613, 15514), (634, 15526), (663, 15562), (704, 15679), (722, 15712), (731, 15736), (762, 15808), (768, 15832), (769, 15835), (875, 16066), (880, 16081), (931, 16216), (933, 16219), (951, 16267), (965, 16297),

Gene: VasuNzinga_50 Start: 26580, Stop: 28292, Start Num: 175
Candidate Starts for VasuNzinga_50:
(122, 26517), (Start: 175 @26580 has 56 MA's), (Start: 233 @26661 has 1 MA's), (266, 26718), (296, 26799), (298, 26805), (339, 26862), (342, 26874), (346, 26886), (367, 26925), (376, 26940), (417, 27009), (445, 27063), (449, 27072), (539, 27228), (562, 27276), (564, 27285), (567, 27294), (581, 27333), (590, 27348), (636, 27411), (644, 27423), (689, 27540), (690, 27543), (712, 27594), (729, 27621), (731, 27624), (738, 27645), (758, 27687), (820, 27807), (826, 27825), (881, 27969), (896, 28014), (905, 28032), (942, 28116), (945, 28125), (951, 28143), (961, 28164), (977, 28209), (979, 28215), (983, 28227), (986, 28239), (990, 28251), (998, 28275), (1002, 28281),

Gene: Veliki_23 Start: 17191, Stop: 18957, Start Num: 178
Candidate Starts for Veliki_23:
(Start: 178 @17191 has 139 MA's), (198, 17221), (284, 17380), (295, 17413), (311, 17443), (329, 17476), (335, 17488), (371, 17578), (400, 17620), (436, 17692), (441, 17701), (465, 17740), (484, 17785), (491, 17806), (492, 17809), (527, 17863), (536, 17881), (551, 17923), (557, 17929), (567, 17956), (647, 18094), (656, 18112), (670, 18154), (676, 18172), (688, 18202), (702, 18229), (751, 18334), (821, 18493), (832, 18529), (841, 18559), (853, 18568), (879, 18643), (896, 18694), (948, 18793), (983, 18889), (993, 18928), (994, 18931), (1004, 18949),

Gene: Velveteen_17 Start: 14635, Stop: 16344, Start Num: 142
Candidate Starts for Velveteen_17:
(Start: 142 @14635 has 207 MA's), (215, 14722), (Start: 249 @14767 has 2 MA's), (258, 14791), (299, 14896), (301, 14902), (309, 14920), (332, 14950), (390, 15055), (422, 15115), (434, 15136), (437, 15145), (450, 15169), (535, 15244), (536, 15247), (558, 15295), (564, 15310), (566, 15316), (580, 15352), (582, 15355), (589, 15367), (591, 15373), (605, 15421), (611, 15433), (614, 15439), (648, 15499), (653, 15511), (666, 15547), (670, 15559), (700, 15634), (704, 15643), (713, 15661), (715, 15667), (730, 15697), (806, 15802), (810, 15811), (812, 15814), (825, 15850), (847, 15928), (878, 16027), (885, 16048), (896, 16081), (911, 16111), (919, 16141), (924, 16150), (928, 16156), (944, 16171), (945, 16174), (955, 16198), (968, 16228), (973, 16240), (980, 16270), (992, 16312),

Gene: Vendetta_22 Start: 16480, Stop: 17808, Start Num: 303
Candidate Starts for Vendetta_22:
(Start: 303 @16480 has 11 MA's), (315, 16495), (399, 16639), (421, 16684), (445, 16729), (458, 16753), (476, 16783), (483, 16804), (486, 16813), (494, 16837), (497, 16846), (526, 16897), (533, 16909), (639, 17002), (646, 17011), (660, 17020), (675, 17065), (684, 17083), (730, 17176), (747, 17221), (771, 17290), (780, 17311), (833, 17392), (851, 17425), (885, 17512), (899, 17548), (906, 17563), (910, 17572), (933, 17614), (948, 17653), (972, 17707), (975, 17725), (992, 17782), (995, 17791),

Gene: Venti_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Venti_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165),

(621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Veracruz_27 Start: 20455, Stop: 22254, Start Num: 156
Candidate Starts for Veracruz_27:
(Start: 156 @20455 has 559 MA's), (Start: 204 @20515 has 1 MA's), (254, 20584), (Start: 303 @20686 has 11 MA's), (323, 20698), (325, 20701), (367, 20776), (376, 20791), (402, 20830), (475, 20965), (508, 21034), (567, 21148), (615, 21274), (674, 21388), (683, 21412), (687, 21424), (689, 21430), (731, 21511), (762, 21586), (767, 21604), (769, 21613), (775, 21637), (777, 21643), (782, 21658), (800, 21691), (820, 21736), (821, 21739), (828, 21760), (867, 21889), (899, 21985), (943, 22090), (945, 22096), (992, 22231),

Gene: Verity_34 Start: 30944, Stop: 32566, Start Num: 183
Candidate Starts for Verity_34:
(Start: 138 @30887 has 1 MA's), (Start: 183 @30944 has 17 MA's), (201, 30965), (247, 31028), (274, 31091), (296, 31151), (300, 31163), (344, 31250), (373, 31301), (390, 31331), (434, 31412), (447, 31439), (567, 31538), (578, 31568), (584, 31577), (597, 31613), (621, 31673), (648, 31721), (651, 31730), (688, 31829), (706, 31868), (713, 31880), (812, 32036), (819, 32048), (826, 32075), (842, 32132), (856, 32171), (858, 32180), (873, 32237), (877, 32249), (893, 32297), (896, 32306), (899, 32312), (909, 32333), (948, 32411), (994, 32549),

Gene: Veteran_16 Start: 14805, Stop: 16514, Start Num: 142
Candidate Starts for Veteran_16:
(Start: 142 @14805 has 207 MA's), (215, 14892), (Start: 249 @14937 has 2 MA's), (258, 14961), (299, 15066), (301, 15072), (309, 15090), (332, 15120), (390, 15225), (419, 15279), (422, 15285), (425, 15294), (434, 15306), (437, 15315), (450, 15339), (473, 15375), (475, 15381), (482, 15393), (535, 15414), (536, 15417), (539, 15426), (544, 15441), (546, 15447), (558, 15465), (564, 15480), (566, 15486), (572, 15504), (573, 15507), (580, 15522), (589, 15537), (591, 15543), (600, 15573), (605, 15591), (611, 15603), (614, 15609), (648, 15669), (653, 15681), (666, 15717), (670, 15729), (677, 15750), (700, 15804), (704, 15813), (715, 15837), (730, 15867), (806, 15972), (812, 15984), (825, 16020), (836, 16059), (847, 16098), (878, 16197), (885, 16218), (896, 16251), (911, 16281), (919, 16311), (924, 16320), (928, 16326), (944, 16341), (945, 16344), (953, 16365), (955, 16368), (973, 16410), (980, 16440), (992, 16482), (993, 16488),

Gene: Vetrix_18 Start: 16995, Stop: 18728, Start Num: 175
Candidate Starts for Vetrix_18:
(Start: 175 @16995 has 56 MA's), (223, 17064), (295, 17205), (296, 17208), (327, 17253), (343, 17286), (346, 17295), (366, 17331), (400, 17385), (414, 17412), (419, 17424), (445, 17475), (448, 17481), (469, 17514), (546, 17667), (562, 17691), (564, 17700), (579, 17745), (588, 17760), (636, 17838), (686, 17958), (712, 18021), (746, 18093), (764, 18129), (824, 18249), (826, 18255), (830, 18267), (860, 18330), (875, 18381), (888, 18417), (896, 18444), (925, 18513), (935, 18528), (943, 18540), (951, 18564), (977, 18642),

Gene: ViaConlectus_35 Start: 29390, Stop: 31012, Start Num: 183
Candidate Starts for ViaConlectus_35:
(Start: 183 @29390 has 17 MA's), (201, 29411), (210, 29423), (247, 29474), (261, 29513), (274, 29537), (300, 29609), (344, 29696), (373, 29747), (390, 29777), (454, 29900), (567, 29984), (578, 30014), (584, 30023), (596, 30056), (597, 30059), (621, 30119), (648, 30167), (651, 30176), (688, 30275), (706, 30314), (713, 30326), (812, 30482), (826, 30521), (843, 30581), (844, 30584), (854, 30611), (858, 30626), (873, 30683), (877, 30695), (893, 30743), (896, 30752), (899, 30758), (909, 30779), (919, 30812), (944, 30842), (948, 30857), (971, 30908), (992, 30986), (994, 30995),

Gene: Vidya_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Vidya_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Vine_19 Start: 16430, Stop: 18124, Start Num: 151
Candidate Starts for Vine_19:
(Start: 141 @16427 has 37 MA's), (Start: 151 @16430 has 50 MA's), (235, 16529), (259, 16571), (400, 16811), (445, 16898), (456, 16919), (462, 16928), (477, 16955), (495, 17000), (525, 17033), (534, 17048), (541, 17072), (553, 17105), (567, 17138), (571, 17150), (594, 17207), (635, 17255), (652, 17285), (666, 17315), (671, 17330), (688, 17378), (707, 17429), (731, 17465), (736, 17480), (744, 17498), (767, 17555), (769, 17564), (832, 17684), (835, 17696), (862, 17744), (878, 17795), (879, 17798), (885, 17816), (914, 17894), (925, 17921), (945, 17963), (994, 18110), (998, 18116),

Gene: Violac_17 Start: 15353, Stop: 17062, Start Num: 142
Candidate Starts for Violac_17:
(Start: 142 @15353 has 207 MA's), (215, 15440), (232, 15461), (Start: 249 @15485 has 2 MA's), (258, 15509), (266, 15530), (299, 15614), (301, 15620), (309, 15638), (332, 15668), (390, 15773), (419, 15827), (422, 15833), (432, 15851), (434, 15854), (437, 15863), (450, 15887), (535, 15962), (539, 15974), (544, 15989), (546, 15995), (558, 16013), (564, 16028), (566, 16034), (573, 16055), (580, 16070), (589, 16085), (591, 16091), (605, 16139), (611, 16151), (614, 16157), (648, 16217), (653, 16229), (666, 16265), (670, 16277), (677, 16298), (700, 16352), (704, 16361), (713, 16379), (715, 16385), (730, 16415), (806, 16520), (812, 16532), (825, 16568), (835, 16604), (836, 16607), (847, 16646), (858, 16676), (878, 16745), (885, 16766), (896, 16799), (911, 16829), (919, 16859), (922, 16865), (924, 16868), (928, 16874), (944, 16889), (945, 16892), (953, 16913), (955, 16916), (973, 16958), (992, 17030), (993, 17036),

Gene: Violet_26 Start: 21646, Stop: 23448, Start Num: 159
Candidate Starts for Violet_26:
(Start: 159 @21646 has 217 MA's), (Start: 176 @21667 has 45 MA's), (Start: 204 @21709 has 1 MA's), (237, 21754), (367, 21970), (395, 22015), (402, 22024), (421, 22063), (448, 22114), (449, 22117), (556, 22312), (581, 22381), (674, 22582), (675, 22585), (683, 22606), (730, 22702), (731, 22705), (733, 22711), (762, 22780), (767, 22798), (769, 22807), (777, 22837), (821, 22933), (831, 22966), (835, 22981), (879, 23122), (899, 23179), (945, 23290), (1000, 23443),

Gene: Vivi2_37 Start: 31487, Stop: 33250, Start Num: 111
Candidate Starts for Vivi2_37:
(104, 31469), (Start: 111 @31487 has 74 MA's), (Start: 131 @31523 has 1 MA's), (238, 31661), (285, 31757), (289, 31766), (340, 31835), (367, 31886), (395, 31931), (406, 31946), (448, 32027), (475, 32072), (478, 32081), (535, 32171), (543, 32201), (550, 32216), (562, 32240), (571, 32270), (641, 32375), (689, 32492), (695, 32510), (699, 32525), (723, 32555), (730, 32567), (731, 32570), (740, 32597), (878, 32918), (879, 32921), (880, 32924), (896, 32972), (909, 32999), (917, 33026), (943, 33080), (951, 33104), (952, 33107), (984, 33197), (1000, 33245),

Gene: ViviJ_20 Start: 17352, Stop: 19124, Start Num: 181
Candidate Starts for ViviJ_20:
(Start: 181 @17352 has 15 MA's), (Start: 186 @17358 has 1 MA's), (201, 17382), (228, 17415), (256, 17463), (277, 17517), (295, 17568), (329, 17631), (376, 17739), (436, 17847), (491, 17961), (492,

17964), (512, 18003), (527, 18018), (534, 18030), (536, 18036), (547, 18072), (551, 18078), (557, 18084), (571, 18123), (579, 18147), (647, 18249), (671, 18312), (751, 18492), (782, 18591), (824, 18669), (831, 18693), (833, 18699), (851, 18732), (879, 18810), (881, 18816), (951, 18969), (988, 19074), (989, 19077), (993, 19095),

Gene: Vivum_16 Start: 14751, Stop: 16460, Start Num: 142
Candidate Starts for Vivum_16:
(Start: 142 @14751 has 207 MA's), (215, 14838), (Start: 249 @14883 has 2 MA's), (258, 14907), (299, 15012), (301, 15018), (309, 15036), (332, 15066), (390, 15171), (422, 15231), (432, 15249), (434, 15252), (437, 15261), (450, 15285), (558, 15411), (564, 15426), (566, 15432), (580, 15468), (582, 15471), (589, 15483), (591, 15489), (605, 15537), (611, 15549), (614, 15555), (648, 15615), (653, 15627), (666, 15663), (670, 15675), (700, 15750), (704, 15759), (713, 15777), (715, 15783), (730, 15813), (806, 15918), (812, 15930), (825, 15966), (847, 16044), (885, 16164), (896, 16197), (911, 16227), (913, 16239), (919, 16257), (922, 16263), (924, 16266), (928, 16272), (944, 16287), (945, 16290), (953, 16311), (955, 16314), (973, 16356), (980, 16386), (992, 16428), (993, 16434),

Gene: Vix_29 Start: 20461, Stop: 22257, Start Num: 156
Candidate Starts for Vix_29:
(Start: 156 @20461 has 559 MA's), (Start: 204 @20518 has 1 MA's), (215, 20533), (238, 20566), (254, 20587), (259, 20602), (Start: 303 @20689 has 11 MA's), (323, 20701), (325, 20704), (367, 20779), (376, 20794), (400, 20830), (508, 21037), (567, 21151), (581, 21190), (615, 21277), (674, 21391), (683, 21415), (689, 21433), (731, 21514), (762, 21589), (767, 21607), (775, 21640), (777, 21646), (790, 21685), (820, 21739), (821, 21742), (828, 21763), (844, 21820), (899, 21988), (943, 22093), (945, 22099), (992, 22234),

Gene: VohminGhazi_31 Start: 19976, Stop: 21748, Start Num: 156
Candidate Starts for VohminGhazi_31:
(110, 19910), (Start: 136 @19952 has 48 MA's), (Start: 156 @19976 has 559 MA's), (286, 20174), (325, 20213), (366, 20285), (367, 20288), (379, 20306), (402, 20342), (406, 20348), (465, 20459), (469, 20465), (484, 20504), (508, 20546), (536, 20585), (550, 20627), (556, 20630), (575, 20690), (684, 20927), (689, 20942), (731, 21023), (777, 21155), (835, 21281), (852, 21332), (855, 21341), (866, 21380), (867, 21383), (869, 21395), (899, 21479), (943, 21584), (945, 21590), (992, 21725),

Gene: Volt_55 Start: 28894, Stop: 30579, Start Num: 143
Candidate Starts for Volt_55:
(73, 28702), (75, 28711), (76, 28717), (99, 28819), (113, 28849), (Start: 143 @28894 has 6 MA's), (256, 29035), (344, 29194), (377, 29248), (465, 29404), (524, 29503), (543, 29551), (567, 29608), (572, 29623), (635, 29713), (692, 29851), (730, 29914), (767, 30010), (800, 30061), (801, 30064), (807, 30076), (835, 30151), (840, 30166), (878, 30250), (909, 30331), (954, 30442), (990, 30547), (994, 30565),

Gene: Vordorf_22 Start: 18371, Stop: 20029, Start Num: 219
Candidate Starts for Vordorf_22:
(97, 18182), (124, 18242), (Start: 194 @18335 has 44 MA's), (Start: 219 @18371 has 2 MA's), (Start: 225 @18383 has 3 MA's), (277, 18497), (280, 18503), (309, 18581), (345, 18647), (347, 18653), (411, 18764), (415, 18773), (428, 18800), (432, 18806), (434, 18809), (444, 18830), (565, 19001), (566, 19004), (592, 19070), (597, 19085), (626, 19169), (636, 19178), (661, 19220), (666, 19241), (683, 19289), (687, 19301), (695, 19328), (726, 19397), (759, 19466), (806, 19499), (828, 19556), (843, 19607), (864, 19676), (881, 19727), (893, 19763), (899, 19778), (920, 19835), (926, 19844), (953, 19883), (969, 19922), (972, 19928),

Gene: Vorrps_56 Start: 33517, Stop: 35253, Start Num: 126
Candidate Starts for Vorrps_56:

(Start: 120 @33508 has 2 MA's), (Start: 126 @33517 has 26 MA's), (Start: 195 @33607 has 1 MA's), (266, 33724), (282, 33760), (291, 33781), (299, 33808), (301, 33814), (322, 33844), (336, 33868), (363, 33919), (437, 34057), (440, 34063), (472, 34114), (473, 34117), (482, 34135), (558, 34186), (566, 34207), (567, 34210), (589, 34258), (591, 34264), (605, 34312), (607, 34318), (611, 34324), (632, 34384), (648, 34408), (650, 34411), (666, 34456), (671, 34471), (674, 34480), (677, 34489), (693, 34534), (704, 34552), (721, 34585), (812, 34723), (820, 34744), (840, 34810), (848, 34840), (865, 34894), (878, 34936), (885, 34957), (892, 34978), (896, 34990), (907, 35011), (928, 35065), (971, 35143), (980, 35179), (986, 35200), (993, 35227),

Gene: Wachhund_16 Start: 14831, Stop: 16540, Start Num: 142
Candidate Starts for Wachhund_16:
(Start: 142 @14831 has 207 MA's), (215, 14918), (Start: 249 @14963 has 2 MA's), (258, 14987), (299, 15092), (301, 15098), (309, 15116), (332, 15146), (390, 15251), (422, 15311), (434, 15332), (437, 15341), (450, 15365), (558, 15491), (564, 15506), (566, 15512), (580, 15548), (582, 15551), (589, 15563), (591, 15569), (605, 15617), (611, 15629), (614, 15635), (648, 15695), (653, 15707), (666, 15743), (670, 15755), (700, 15830), (704, 15839), (713, 15857), (715, 15863), (730, 15893), (806, 15998), (810, 16007), (812, 16010), (825, 16046), (847, 16124), (878, 16223), (885, 16244), (896, 16277), (911, 16307), (919, 16337), (924, 16346), (928, 16352), (944, 16367), (945, 16370), (955, 16394), (968, 16424), (973, 16436), (980, 16466), (992, 16508),

Gene: Waits_30 Start: 19063, Stop: 20850, Start Num: 156
Candidate Starts for Waits_30:
(110, 18997), (Start: 136 @19039 has 48 MA's), (Start: 156 @19063 has 559 MA's), (Start: 260 @19201 has 1 MA's), (285, 19258), (325, 19300), (344, 19336), (367, 19375), (409, 19444), (421, 19468), (449, 19522), (536, 19672), (556, 19717), (567, 19747), (579, 19783), (600, 19834), (613, 19870), (644, 19918), (671, 19978), (730, 20107), (762, 20185), (835, 20386), (837, 20392), (867, 20488), (929, 20653), (971, 20752),

Gene: Walrus_20 Start: 16873, Stop: 18519, Start Num: 227
Candidate Starts for Walrus_20:
(203, 16837), (Start: 227 @16873 has 45 MA's), (283, 16975), (318, 17053), (321, 17056), (374, 17152), (396, 17191), (435, 17272), (468, 17326), (475, 17341), (560, 17437), (591, 17512), (600, 17542), (677, 17725), (686, 17749), (700, 17800), (739, 17893), (744, 17905), (765, 17950), (799, 17965), (843, 18097), (844, 18100), (875, 18199), (881, 18217), (899, 18268), (921, 18328), (925, 18334), (963, 18397), (968, 18409),

Gene: WalterMcMickey_27 Start: 19820, Stop: 21598, Start Num: 156
Candidate Starts for WalterMcMickey_27:
(Start: 156 @19820 has 559 MA's), (Start: 204 @19877 has 1 MA's), (215, 19892), (238, 19925), (254, 19946), (Start: 303 @20048 has 11 MA's), (323, 20060), (325, 20063), (367, 20138), (376, 20153), (402, 20192), (465, 20309), (475, 20327), (508, 20396), (546, 20471), (567, 20510), (581, 20549), (615, 20636), (644, 20681), (674, 20750), (683, 20774), (687, 20786), (689, 20792), (731, 20873), (767, 20966), (769, 20975), (775, 20999), (777, 21005), (782, 21020), (808, 21053), (828, 21104), (833, 21122), (844, 21161), (875, 21260), (899, 21329), (911, 21353), (912, 21359), (943, 21434), (945, 21440), (948, 21449), (971, 21500), (992, 21575),

Gene: Wamburgrxpress_18 Start: 16759, Stop: 18528, Start Num: 136
Candidate Starts for Wamburgrxpress_18:
(Start: 103 @16696 has 1 MA's), (Start: 111 @16717 has 74 MA's), (Start: 119 @16732 has 3 MA's), (Start: 136 @16759 has 48 MA's), (207, 16852), (241, 16900), (246, 16906), (265, 16933), (266, 16936), (269, 16942), (295, 17014), (298, 17023), (318, 17047), (327, 17062), (342, 17092), (414, 17218), (417, 17227), (427, 17248), (435, 17263), (475, 17332), (488, 17368), (501, 17389), (542, 17458), (562, 17497), (636, 17635), (644, 17647), (674, 17722), (676, 17728), (683, 17746), (695,

17785), (712, 17818), (716, 17827), (724, 17836), (730, 17845), (774, 17968), (785, 18004), (826, 18052), (830, 18064), (858, 18118), (888, 18214), (893, 18232), (895, 18238), (896, 18241), (912, 18274), (919, 18298), (951, 18361), (965, 18403), (977, 18442), (983, 18460), (989, 18481), (994, 18502),

Gene: Wanda_37 Start: 26916, Stop: 28914, Start Num: 141
Candidate Starts for Wanda_37:
(Start: 141 @26916 has 37 MA's), (Start: 212 @27006 has 47 MA's), (245, 27054), (258, 27084), (272, 27111), (317, 27213), (334, 27243), (354, 27294), (385, 27342), (407, 27378), (409, 27384), (420, 27405), (457, 27477), (464, 27486), (475, 27507), (566, 27615), (567, 27618), (572, 27633), (591, 27672), (605, 27720), (611, 27732), (614, 27738), (630, 27786), (635, 27795), (650, 27816), (658, 27834), (673, 27882), (713, 27984), (746, 28056), (766, 28101), (768, 28113), (795, 28248), (796, 28254), (797, 28278), (798, 28350), (804, 28377), (886, 28626),

Gene: Wander_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Wander_27:
(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Warrior24_31 Start: 19067, Stop: 20854, Start Num: 156
Candidate Starts for Warrior24_31:
(110, 19001), (Start: 136 @19043 has 48 MA's), (Start: 156 @19067 has 559 MA's), (Start: 260 @19205 has 1 MA's), (285, 19262), (325, 19304), (344, 19340), (367, 19379), (409, 19448), (421, 19472), (449, 19526), (536, 19676), (556, 19721), (567, 19751), (579, 19787), (600, 19838), (613, 19874), (644, 19922), (671, 19982), (730, 20111), (762, 20189), (835, 20390), (837, 20396), (867, 20492), (929, 20657), (971, 20756),

Gene: Waterfoul_21 Start: 17516, Stop: 19288, Start Num: 181
Candidate Starts for Waterfoul_21:
(Start: 181 @17516 has 15 MA's), (Start: 186 @17522 has 1 MA's), (201, 17546), (228, 17579), (256, 17627), (277, 17681), (295, 17732), (329, 17795), (376, 17903), (436, 18011), (491, 18125), (492, 18128), (512, 18167), (527, 18182), (534, 18194), (536, 18200), (551, 18242), (557, 18248), (571, 18287), (579, 18311), (647, 18413), (671, 18476), (687, 18521), (751, 18656), (782, 18755), (824, 18833), (831, 18857), (833, 18863), (837, 18878), (879, 18974), (881, 18980), (951, 19133), (988, 19238), (989, 19241), (993, 19259),

Gene: Watermelon_29 Start: 21982, Stop: 23784, Start Num: 159
Candidate Starts for Watermelon_29:
(Start: 159 @21982 has 217 MA's), (Start: 176 @22003 has 45 MA's), (Start: 204 @22045 has 1 MA's), (237, 22090), (367, 22306), (395, 22351), (402, 22360), (421, 22399), (448, 22450), (449, 22453), (556, 22648), (581, 22717), (674, 22918), (675, 22921), (683, 22942), (730, 23038), (731, 23041), (733, 23047), (762, 23116), (767, 23134), (769, 23143), (777, 23173), (821, 23269), (831, 23302), (835, 23317), (879, 23458), (899, 23515), (945, 23626), (1000, 23779),

Gene: Watson_29 Start: 20371, Stop: 22167, Start Num: 156
Candidate Starts for Watson_29:
(Start: 156 @20371 has 559 MA's), (Start: 204 @20428 has 1 MA's), (215, 20443), (238, 20476), (254, 20497), (259, 20512), (Start: 303 @20599 has 11 MA's), (323, 20611), (325, 20614), (367, 20689),

(376, 20704), (400, 20740), (508, 20947), (567, 21061), (581, 21100), (615, 21187), (674, 21301), (683, 21325), (689, 21343), (731, 21424), (762, 21499), (767, 21517), (775, 21550), (777, 21556), (790, 21595), (820, 21649), (821, 21652), (828, 21673), (844, 21730), (899, 21898), (943, 22003), (945, 22009), (992, 22144),

Gene: Webster2_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Webster2_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Wee_17 Start: 15380, Stop: 17089, Start Num: 142
Candidate Starts for Wee_17:
(Start: 142 @15380 has 207 MA's), (215, 15467), (Start: 249 @15512 has 2 MA's), (258, 15536), (299, 15641), (301, 15647), (309, 15665), (332, 15695), (390, 15800), (422, 15860), (434, 15881), (437, 15890), (450, 15914), (558, 16040), (564, 16055), (566, 16061), (580, 16097), (582, 16100), (589, 16112), (591, 16118), (605, 16166), (611, 16178), (614, 16184), (648, 16244), (653, 16256), (666, 16292), (670, 16304), (700, 16379), (704, 16388), (713, 16406), (715, 16412), (730, 16442), (806, 16547), (810, 16556), (812, 16559), (825, 16595), (847, 16673), (878, 16772), (885, 16793), (896, 16826), (911, 16856), (919, 16886), (924, 16895), (928, 16901), (944, 16916), (945, 16919), (955, 16943), (968, 16973), (973, 16985), (980, 17015), (992, 17057),

Gene: WeiHuaDA_34 Start: 22438, Stop: 24234, Start Num: 136
Candidate Starts for WeiHuaDA_34:
(110, 22396), (Start: 136 @22438 has 48 MA's), (Start: 156 @22462 has 559 MA's), (323, 22696), (325, 22699), (366, 22771), (367, 22774), (402, 22828), (406, 22834), (421, 22867), (465, 22945), (508, 23032), (550, 23113), (556, 23116), (567, 23146), (675, 23389), (723, 23494), (731, 23509), (777, 23641), (808, 23689), (821, 23719), (831, 23752), (835, 23767), (837, 23773), (855, 23827), (869, 23881), (899, 23965), (925, 24031), (943, 24070), (945, 24076),

Gene: Weirdo19_19 Start: 16080, Stop: 17819, Start Num: 176
Candidate Starts for Weirdo19_19:
(145, 16044), (Start: 176 @16080 has 45 MA's), (193, 16101), (Start: 194 @16104 has 44 MA's), (240, 16164), (243, 16170), (248, 16176), (258, 16200), (272, 16233), (307, 16326), (319, 16347), (359, 16446), (433, 16581), (436, 16587), (445, 16602), (458, 16626), (479, 16668), (534, 16758), (537, 16767), (567, 16839), (571, 16851), (572, 16854), (576, 16869), (599, 16920), (644, 16965), (661, 16995), (687, 17076), (731, 17163), (784, 17319), (789, 17325), (889, 17532), (925, 17616), (942, 17637), (948, 17655), (969, 17703), (986, 17763),

Gene: WelcomeAyanna_18 Start: 17806, Stop: 19404, Start Num: 213
Candidate Starts for WelcomeAyanna_18:
(72, 17509), (83, 17584), (89, 17605), (123, 17689), (Start: 213 @17806 has 53 MA's), (358, 18064), (367, 18082), (369, 18085), (406, 18139), (479, 18283), (488, 18304), (509, 18355), (526, 18391), (528, 18394), (585, 18427), (613, 18484), (700, 18661), (714, 18685), (730, 18721), (768, 18823), (784, 18880), (836, 18970), (933, 19210), (965, 19288),

Gene: Wendigo_18 Start: 16640, Stop: 18403, Start Num: 171
Candidate Starts for Wendigo_18:

(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Whabigail7_30 Start: 20683, Stop: 22455, Start Num: 156
Candidate Starts for Whabigail7_30:
(Start: 136 @20659 has 48 MA's), (Start: 156 @20683 has 559 MA's), (238, 20782), (281, 20866), (323, 20917), (325, 20920), (366, 20992), (367, 20995), (402, 21049), (421, 21088), (465, 21166), (508, 21253), (550, 21334), (556, 21337), (635, 21523), (675, 21610), (723, 21715), (731, 21730), (775, 21856), (777, 21862), (808, 21910), (835, 21988), (837, 21994), (855, 22048), (866, 22087), (869, 22102), (899, 22186), (945, 22297),

Gene: Whack_18 Start: 17086, Stop: 18663, Start Num: 186
Candidate Starts for Whack_18:
(Start: 186 @17086 has 1 MA's), (261, 17212), (276, 17242), (403, 17488), (409, 17503), (447, 17578), (564, 17668), (565, 17671), (566, 17674), (591, 17734), (669, 17914), (746, 18070), (822, 18172), (827, 18184), (830, 18193), (858, 18286), (871, 18331), (878, 18352), (911, 18439), (986, 18616), (990, 18628), (994, 18646),

Gene: Whatsapiecost_16 Start: 14856, Stop: 16565, Start Num: 142
Candidate Starts for Whatsapiecost_16:
(Start: 142 @14856 has 207 MA's), (215, 14943), (Start: 249 @14988 has 2 MA's), (258, 15012), (299, 15117), (301, 15123), (309, 15141), (332, 15171), (390, 15276), (422, 15336), (434, 15357), (437, 15366), (450, 15390), (558, 15516), (564, 15531), (566, 15537), (580, 15573), (582, 15576), (589, 15588), (591, 15594), (605, 15642), (611, 15654), (614, 15660), (648, 15720), (653, 15732), (666, 15768), (670, 15780), (700, 15855), (704, 15864), (713, 15882), (715, 15888), (730, 15918), (806, 16023), (810, 16032), (812, 16035), (825, 16071), (847, 16149), (878, 16248), (885, 16269), (896, 16302), (911, 16332), (919, 16362), (924, 16371), (928, 16377), (944, 16392), (945, 16395), (955, 16419), (968, 16449), (973, 16461), (980, 16491), (992, 16533),

Gene: WheatThin_22 Start: 17344, Stop: 19050, Start Num: 222
Candidate Starts for WheatThin_22:
(Start: 164 @17269 has 1 MA's), (Start: 222 @17344 has 16 MA's), (272, 17437), (277, 17452), (280, 17458), (309, 17533), (343, 17605), (397, 17716), (421, 17761), (430, 17779), (436, 17791), (534, 17962), (537, 17971), (539, 17977), (551, 18010), (576, 18073), (599, 18124), (630, 18148), (644, 18172), (674, 18247), (688, 18286), (747, 18418), (784, 18532), (831, 18619), (878, 18733), (881, 18742), (925, 18847), (969, 18934), (1004, 19042),

Gene: Wheeler_27 Start: 21414, Stop: 23216, Start Num: 159
Candidate Starts for Wheeler_27:
(Start: 159 @21414 has 217 MA's), (Start: 176 @21435 has 45 MA's), (Start: 204 @21477 has 1 MA's), (237, 21522), (367, 21738), (395, 21783), (402, 21792), (421, 21831), (448, 21882), (449, 21885), (495, 21978), (556, 22080), (581, 22149), (674, 22350), (675, 22353), (683, 22374), (730, 22470), (731, 22473), (733, 22479), (762, 22548), (767, 22566), (769, 22575), (777, 22605), (821, 22701), (831, 22734), (835, 22749), (879, 22890), (899, 22947), (945, 23058), (1000, 23211),

Gene: Wheezy_41 Start: 29808, Stop: 31421, Start Num: 202
Candidate Starts for Wheezy_41:
(Start: 202 @29808 has 36 MA's), (Start: 231 @29844 has 1 MA's), (242, 29862), (277, 29922), (406, 30162), (410, 30174), (417, 30189), (458, 30255), (469, 30270), (481, 30294), (482, 30297), (519,

30381), (535, 30411), (536, 30414), (562, 30471), (576, 30519), (577, 30522), (590, 30543), (663, 30648), (686, 30693), (704, 30735), (773, 30909), (783, 30939), (785, 30945), (860, 31053), (861, 31056), (885, 31131), (980, 31350), (998, 31407),

Gene: Whirlwind_20 Start: 17130, Stop: 18893, Start Num: 136
Candidate Starts for Whirlwind_20:
(Start: 136 @17130 has 48 MA's), (Start: 161 @17157 has 14 MA's), (207, 17220), (246, 17274), (269, 17310), (296, 17385), (318, 17415), (327, 17430), (346, 17472), (414, 17586), (419, 17598), (478, 17709), (556, 17853), (562, 17865), (674, 18087), (676, 18093), (695, 18150), (716, 18192), (724, 18201), (731, 18213), (762, 18288), (781, 18354), (785, 18369), (826, 18417), (858, 18483), (881, 18561), (896, 18606), (919, 18663), (951, 18726), (963, 18762), (969, 18777), (977, 18807), (979, 18813), (983, 18825), (985, 18834), (989, 18846),

Gene: Whiteclaw_17 Start: 14758, Stop: 16467, Start Num: 216
Candidate Starts for Whiteclaw_17:
(Start: 216 @14758 has 31 MA's), (278, 14875), (347, 15025), (367, 15064), (376, 15079), (417, 15148), (423, 15160), (469, 15238), (471, 15241), (526, 15373), (547, 15427), (583, 15508), (613, 15568), (631, 15574), (634, 15580), (677, 15661), (691, 15697), (704, 15733), (714, 15751), (731, 15790), (762, 15862), (768, 15886), (875, 16120), (880, 16135), (894, 16177), (931, 16270), (933, 16273), (951, 16321), (965, 16351),

Gene: Whitney_21 Start: 17225, Stop: 18922, Start Num: 156
Candidate Starts for Whitney_21:
(122, 17186), (Start: 156 @17225 has 559 MA's), (Start: 169 @17237 has 3 MA's), (Start: 171 @17240 has 28 MA's), (Start: 195 @17276 has 1 MA's), (223, 17315), (238, 17336), (261, 17378), (266, 17384), (268, 17387), (273, 17399), (286, 17435), (323, 17471), (346, 17528), (377, 17576), (393, 17603), (448, 17705), (473, 17744), (495, 17801), (506, 17819), (522, 17828), (525, 17834), (543, 17882), (557, 17912), (570, 17948), (572, 17954), (579, 17975), (581, 17978), (602, 18029), (636, 18056), (637, 18059), (654, 18086), (666, 18113), (691, 18185), (710, 18224), (743, 18278), (769, 18350), (783, 18395), (824, 18458), (832, 18485), (833, 18488), (837, 18503), (875, 18587), (878, 18596), (879, 18599), (881, 18605), (885, 18617), (887, 18620), (897, 18650), (900, 18656), (909, 18677), (911, 18680), (933, 18734), (945, 18764), (948, 18773), (970, 18824), (980, 18857), (984, 18869), (989, 18887),

Gene: Whitty_19 Start: 16980, Stop: 18686, Start Num: 175
Candidate Starts for Whitty_19:
(101, 16872), (106, 16884), (Start: 175 @16980 has 56 MA's), (223, 17046), (273, 17121), (275, 17127), (Start: 303 @17211 has 11 MA's), (343, 17265), (366, 17310), (367, 17313), (409, 17379), (562, 17664), (674, 17886), (758, 18075), (826, 18213), (830, 18225), (896, 18402), (912, 18438), (977, 18603), (985, 18630), (998, 18669), (1002, 18675),

Gene: WhoseManz_43 Start: 27503, Stop: 29119, Start Num: 202
Candidate Starts for WhoseManz_43:
(Start: 202 @27503 has 36 MA's), (Start: 211 @27515 has 16 MA's), (Start: 231 @27539 has 1 MA's), (277, 27617), (367, 27800), (406, 27857), (410, 27869), (417, 27884), (458, 27950), (469, 27965), (481, 27989), (519, 28076), (522, 28082), (535, 28106), (562, 28166), (571, 28196), (577, 28217), (654, 28322), (663, 28343), (704, 28430), (728, 28478), (773, 28604), (785, 28640), (878, 28805), (884, 28823), (896, 28859), (976, 29033), (980, 29045), (998, 29102),

Gene: Whouxphf_16 Start: 14910, Stop: 16619, Start Num: 142
Candidate Starts for Whouxphf_16:
(Start: 142 @14910 has 207 MA's), (215, 14997), (232, 15018), (Start: 249 @15042 has 2 MA's), (258, 15066), (299, 15171), (301, 15177), (309, 15195), (332, 15225), (390, 15330), (422, 15390), (434,

15411), (437, 15420), (450, 15444), (473, 15480), (475, 15486), (482, 15498), (535, 15519), (546, 15552), (558, 15570), (564, 15585), (566, 15591), (580, 15627), (589, 15642), (591, 15648), (605, 15696), (611, 15708), (614, 15714), (648, 15774), (666, 15822), (670, 15834), (677, 15855), (700, 15909), (704, 15918), (713, 15936), (715, 15942), (730, 15972), (806, 16077), (812, 16089), (825, 16125), (847, 16203), (878, 16302), (885, 16323), (896, 16356), (911, 16386), (919, 16416), (922, 16422), (924, 16425), (928, 16431), (944, 16446), (945, 16449), (953, 16470), (955, 16473), (973, 16515), (992, 16587),

Gene: WideWale_30 Start: 20656, Stop: 22428, Start Num: 156
Candidate Starts for WideWale_30:
(Start: 136 @20632 has 48 MA's), (Start: 156 @20656 has 559 MA's), (259, 20791), (323, 20890), (325, 20893), (366, 20965), (367, 20968), (402, 21022), (406, 21028), (436, 21091), (465, 21139), (479, 21172), (508, 21226), (550, 21307), (556, 21310), (567, 21340), (635, 21496), (675, 21583), (731, 21703), (774, 21826), (775, 21829), (777, 21835), (808, 21883), (831, 21946), (835, 21961), (837, 21967), (855, 22021), (866, 22060), (869, 22075), (881, 22108), (896, 22153), (943, 22264), (945, 22270), (968, 22324),

Gene: Widow_18 Start: 15130, Stop: 16746, Start Num: 177
Candidate Starts for Widow_18:
(Start: 177 @15130 has 11 MA's), (244, 15226), (317, 15394), (324, 15406), (347, 15457), (418, 15580), (532, 15697), (584, 15775), (611, 15850), (624, 15883), (669, 15976), (674, 15997), (726, 16114), (746, 16156), (753, 16174), (761, 16186), (762, 16189), (834, 16294), (835, 16300), (840, 16315), (858, 16372), (948, 16591), (984, 16690),

Gene: Wiggin_27 Start: 20250, Stop: 21929, Start Num: 147
Candidate Starts for Wiggin_27:
(Start: 147 @20250 has 120 MA's), (Start: 212 @20334 has 47 MA's), (Start: 260 @20412 has 1 MA's), (296, 20499), (301, 20514), (332, 20562), (349, 20601), (405, 20688), (420, 20721), (437, 20757), (454, 20787), (457, 20793), (538, 20862), (561, 20892), (565, 20904), (566, 20907), (591, 20964), (650, 21096), (651, 21102), (675, 21168), (677, 21174), (686, 21198), (704, 21246), (715, 21270), (721, 21279), (754, 21354), (810, 21405), (819, 21420), (867, 21582), (875, 21609), (885, 21639), (926, 21744), (971, 21822), (980, 21858), (983, 21867), (992, 21900), (998, 21915),

Gene: Wigglewiggle_18 Start: 17021, Stop: 18754, Start Num: 175
Candidate Starts for Wigglewiggle_18:
(Start: 175 @17021 has 56 MA's), (223, 17090), (295, 17231), (296, 17234), (327, 17279), (343, 17312), (346, 17321), (366, 17357), (400, 17411), (414, 17438), (419, 17450), (445, 17501), (448, 17507), (469, 17540), (546, 17693), (562, 17717), (564, 17726), (579, 17771), (588, 17786), (636, 17864), (686, 17984), (712, 18047), (746, 18119), (764, 18155), (824, 18275), (826, 18281), (830, 18293), (860, 18356), (888, 18443), (896, 18470), (925, 18539), (935, 18554), (943, 18566), (951, 18590), (977, 18668),

Gene: Wiks_31 Start: 19971, Stop: 21743, Start Num: 156
Candidate Starts for Wiks_31:
(110, 19905), (Start: 136 @19947 has 48 MA's), (Start: 156 @19971 has 559 MA's), (325, 20208), (366, 20280), (367, 20283), (376, 20298), (402, 20337), (406, 20343), (465, 20454), (469, 20460), (484, 20499), (508, 20541), (536, 20580), (550, 20622), (556, 20625), (615, 20781), (684, 20922), (689, 20937), (777, 21150), (828, 21249), (835, 21276), (852, 21327), (855, 21336), (866, 21375), (869, 21390), (899, 21474), (943, 21579), (945, 21585), (992, 21720),

Gene: Wilbur_27 Start: 19827, Stop: 21605, Start Num: 156
Candidate Starts for Wilbur_27:

(Start: 136 @19803 has 48 MA's), (Start: 156 @19827 has 559 MA's), (Start: 204 @19884 has 1 MA's), (241, 19938), (254, 19953), (Start: 260 @19971 has 1 MA's), (Start: 303 @20055 has 11 MA's), (323, 20067), (325, 20070), (367, 20145), (376, 20160), (402, 20199), (465, 20316), (508, 20403), (550, 20484), (572, 20532), (581, 20556), (615, 20643), (644, 20688), (675, 20760), (683, 20781), (689, 20799), (731, 20880), (767, 20973), (769, 20982), (775, 21006), (777, 21012), (784, 21036), (821, 21090), (828, 21111), (842, 21162), (850, 21186), (867, 21240), (899, 21336), (943, 21441), (948, 21456), (987, 21564), (992, 21582),

Gene: Wildcat_40 Start: 25260, Stop: 27644, Start Num: 20
Candidate Starts for Wildcat_40:
(Start: 20 @25260 has 5 MA's), (31, 25377), (35, 25398), (36, 25401), (39, 25431), (41, 25437), (44, 25446), (59, 25536), (63, 25572), (65, 25590), (68, 25617), (69, 25629), (71, 25638), (79, 25701), (88, 25737), (102, 25773), (Start: 103 @25776 has 1 MA's), (105, 25782), (Start: 147 @25854 has 120 MA's), (173, 25884), (221, 25953), (223, 25956), (265, 26043), (273, 26061), (274, 26064), (295, 26124), (323, 26163), (343, 26205), (346, 26214), (348, 26220), (359, 26235), (366, 26250), (395, 26298), (445, 26394), (471, 26436), (473, 26439), (562, 26616), (567, 26634), (572, 26649), (575, 26664), (588, 26685), (600, 26718), (610, 26727), (635, 26757), (657, 26796), (670, 26838), (674, 26850), (675, 26853), (695, 26913), (730, 26973), (746, 27018), (764, 27054), (782, 27120), (824, 27174), (826, 27180), (858, 27246), (915, 27417), (929, 27441), (977, 27561), (984, 27582), (986, 27591), (998, 27627),

Gene: Wilder_18 Start: 16994, Stop: 18727, Start Num: 175
Candidate Starts for Wilder_18:
(Start: 175 @16994 has 56 MA's), (223, 17063), (295, 17204), (296, 17207), (327, 17252), (343, 17285), (346, 17294), (366, 17330), (400, 17384), (414, 17411), (419, 17423), (445, 17474), (448, 17480), (469, 17513), (546, 17666), (562, 17690), (564, 17699), (579, 17744), (588, 17759), (636, 17837), (686, 17957), (712, 18020), (746, 18092), (764, 18128), (824, 18248), (826, 18254), (830, 18266), (860, 18329), (888, 18416), (896, 18443), (925, 18512), (935, 18527), (943, 18539), (951, 18563), (977, 18641),

Gene: Wildflower_56 Start: 33020, Stop: 34765, Start Num: 120
Candidate Starts for Wildflower_56:
(Start: 120 @33020 has 2 MA's), (Start: 126 @33029 has 26 MA's), (Start: 195 @33119 has 1 MA's), (266, 33236), (282, 33272), (291, 33293), (299, 33320), (301, 33326), (322, 33356), (336, 33380), (363, 33431), (437, 33569), (440, 33575), (472, 33626), (473, 33629), (482, 33647), (558, 33698), (566, 33719), (567, 33722), (580, 33755), (589, 33770), (591, 33776), (605, 33824), (607, 33830), (611, 33836), (632, 33896), (648, 33920), (650, 33923), (666, 33968), (671, 33983), (674, 33992), (677, 34001), (693, 34046), (704, 34064), (721, 34097), (812, 34235), (820, 34256), (840, 34322), (848, 34352), (865, 34406), (878, 34448), (885, 34469), (892, 34490), (896, 34502), (907, 34523), (928, 34577), (971, 34655), (980, 34691), (986, 34712), (993, 34739),

Gene: Wile_27 Start: 19836, Stop: 21635, Start Num: 156
Candidate Starts for Wile_27:
(Start: 136 @19812 has 48 MA's), (Start: 156 @19836 has 559 MA's), (Start: 162 @19842 has 5 MA's), (Start: 204 @19896 has 1 MA's), (254, 19965), (286, 20043), (Start: 303 @20067 has 11 MA's), (325, 20082), (344, 20118), (367, 20157), (376, 20172), (402, 20211), (449, 20304), (465, 20328), (508, 20415), (567, 20529), (581, 20568), (615, 20655), (644, 20700), (674, 20769), (683, 20793), (687, 20805), (731, 20892), (762, 20967), (767, 20985), (769, 20994), (775, 21018), (777, 21024), (782, 21039), (800, 21072), (820, 21117), (821, 21120), (828, 21141), (899, 21366), (933, 21444), (943, 21471), (945, 21477), (992, 21612),

Gene: Wilkins_27 Start: 20952, Stop: 22754, Start Num: 159
Candidate Starts for Wilkins_27:

(Start: 159 @20952 has 217 MA's), (Start: 176 @20973 has 45 MA's), (Start: 204 @21015 has 1 MA's), (237, 21060), (367, 21276), (395, 21321), (402, 21330), (421, 21369), (448, 21420), (449, 21423), (495, 21516), (556, 21618), (581, 21687), (670, 21876), (674, 21888), (675, 21891), (683, 21912), (730, 22008), (731, 22011), (733, 22017), (762, 22086), (767, 22104), (769, 22113), (777, 22143), (821, 22239), (831, 22272), (835, 22287), (844, 22317), (879, 22428), (899, 22485), (945, 22596),

Gene: WillSterrel_17 Start: 16164, Stop: 17873, Start Num: 142
Candidate Starts for WillSterrel_17:
(Start: 142 @16164 has 207 MA's), (215, 16251), (Start: 249 @16296 has 2 MA's), (258, 16320), (299, 16425), (301, 16431), (309, 16449), (332, 16479), (390, 16584), (422, 16644), (434, 16665), (437, 16674), (450, 16698), (473, 16734), (475, 16740), (535, 16773), (536, 16776), (539, 16785), (544, 16800), (546, 16806), (558, 16824), (564, 16839), (566, 16845), (572, 16863), (573, 16866), (580, 16881), (589, 16896), (591, 16902), (605, 16950), (611, 16962), (614, 16968), (648, 17028), (653, 17040), (666, 17076), (670, 17088), (700, 17163), (704, 17172), (713, 17190), (715, 17196), (730, 17226), (806, 17331), (812, 17343), (825, 17379), (847, 17457), (885, 17577), (896, 17610), (911, 17640), (913, 17652), (919, 17670), (922, 17676), (924, 17679), (928, 17685), (944, 17700), (945, 17703), (953, 17724), (955, 17727), (973, 17769), (980, 17799), (992, 17841), (993, 17847),

Gene: Willez_23 Start: 19334, Stop: 20929, Start Num: 212
Candidate Starts for Willez_23:
(Start: 147 @19250 has 120 MA's), (Start: 212 @19334 has 47 MA's), (Start: 260 @19412 has 1 MA's), (296, 19499), (301, 19514), (332, 19562), (349, 19601), (405, 19688), (420, 19721), (437, 19757), (454, 19787), (457, 19793), (538, 19862), (561, 19892), (565, 19904), (566, 19907), (591, 19964), (650, 20096), (651, 20102), (675, 20168), (677, 20174), (686, 20198), (704, 20246), (715, 20270), (721, 20279), (754, 20354), (810, 20405), (819, 20420), (867, 20582), (875, 20609), (885, 20639), (926, 20744), (971, 20822), (980, 20858), (983, 20867), (992, 20900), (998, 20915),

Gene: William_19 Start: 16689, Stop: 18338, Start Num: 227
Candidate Starts for William_19:
(4, 15642), (5, 15687), (6, 15711), (7, 15717), (9, 15825), (10, 15873), (15, 15945), (23, 16020), (40, 16158), (45, 16188), (46, 16194), (66, 16326), (74, 16383), (76, 16392), (127, 16551), (203, 16653), (Start: 227 @16689 has 45 MA's), (283, 16794), (318, 16872), (349, 16932), (360, 16944), (361, 16947), (374, 16971), (414, 17046), (468, 17145), (475, 17160), (554, 17244), (560, 17256), (563, 17265), (564, 17268), (571, 17289), (591, 17331), (600, 17361), (677, 17544), (686, 17568), (700, 17619), (739, 17712), (744, 17724), (799, 17784), (844, 17919), (873, 18012), (875, 18018), (881, 18036), (899, 18087), (921, 18147), (925, 18153), (968, 18228),

Gene: WilliamBoone_48 Start: 28921, Stop: 30612, Start Num: 165
Candidate Starts for WilliamBoone_48:
(Start: 165 @28921 has 14 MA's), (207, 28981), (229, 29014), (250, 29047), (252, 29056), (287, 29137), (290, 29143), (322, 29215), (387, 29338), (392, 29344), (418, 29392), (450, 29455), (591, 29605), (592, 29611), (600, 29635), (661, 29764), (666, 29785), (708, 29905), (754, 30016), (806, 30058), (833, 30130), (844, 30169), (875, 30268), (879, 30280), (882, 30289), (913, 30373), (991, 30556),

Gene: Willsammy_19 Start: 16277, Stop: 18013, Start Num: 137
Candidate Starts for Willsammy_19:
(Start: 121 @16253 has 6 MA's), (Start: 137 @16277 has 45 MA's), (Start: 186 @16337 has 1 MA's), (198, 16358), (201, 16361), (274, 16481), (290, 16520), (300, 16553), (317, 16577), (382, 16697), (405, 16736), (407, 16742), (447, 16826), (450, 16832), (457, 16844), (473, 16868), (485, 16895), (538, 16913), (555, 16952), (558, 16958), (567, 16982), (591, 17036), (594, 17048), (597, 17057), (621, 17117), (658, 17195), (670, 17234), (682, 17267), (704, 17333), (711, 17348), (715, 17357),

(726, 17381), (740, 17411), (746, 17423), (822, 17525), (827, 17537), (828, 17540), (830, 17546), (832, 17555), (865, 17663), (892, 17747), (937, 17846), (983, 17954), (998, 18002),

Gene: Winget_57 Start: 33735, Stop: 35471, Start Num: 126
Candidate Starts for Winget_57:
(Start: 120 @33726 has 2 MA's), (Start: 126 @33735 has 26 MA's), (Start: 195 @33825 has 1 MA's), (266, 33942), (282, 33978), (291, 33999), (299, 34026), (301, 34032), (322, 34062), (336, 34086), (363, 34137), (437, 34275), (440, 34281), (472, 34332), (473, 34335), (482, 34353), (558, 34404), (566, 34425), (567, 34428), (589, 34476), (591, 34482), (605, 34530), (607, 34536), (611, 34542), (632, 34602), (648, 34626), (650, 34629), (666, 34674), (671, 34689), (674, 34698), (677, 34707), (693, 34752), (704, 34770), (721, 34803), (812, 34941), (820, 34962), (840, 35028), (848, 35058), (865, 35112), (878, 35154), (885, 35175), (892, 35196), (896, 35208), (907, 35229), (928, 35283), (971, 35361), (980, 35397), (986, 35418), (993, 35445),

Gene: WinkNick_20 Start: 17322, Stop: 18902, Start Num: 213
Candidate Starts for WinkNick_20:
(123, 17205), (Start: 213 @17322 has 53 MA's), (358, 17580), (369, 17601), (406, 17655), (423, 17694), (455, 17751), (469, 17772), (585, 17943), (592, 17961), (606, 17985), (631, 18006), (663, 18048), (691, 18129), (730, 18219), (747, 18264), (768, 18321), (769, 18324), (784, 18378), (836, 18468), (948, 18747), (951, 18756), (965, 18786),

Gene: Winky_18 Start: 16989, Stop: 18722, Start Num: 175
Candidate Starts for Winky_18:
(Start: 175 @16989 has 56 MA's), (223, 17058), (295, 17199), (296, 17202), (327, 17247), (343, 17280), (346, 17289), (366, 17325), (400, 17379), (414, 17406), (419, 17418), (445, 17469), (448, 17475), (469, 17508), (546, 17661), (562, 17685), (564, 17694), (579, 17739), (588, 17754), (636, 17832), (686, 17952), (712, 18015), (746, 18087), (764, 18123), (824, 18243), (826, 18249), (830, 18261), (860, 18324), (888, 18411), (896, 18438), (925, 18507), (935, 18522), (943, 18534), (951, 18558), (977, 18636),

Gene: Wintermute_24 Start: 18622, Stop: 20409, Start Num: 178
Candidate Starts for Wintermute_24:
(Start: 146 @18583 has 1 MA's), (Start: 171 @18613 has 28 MA's), (Start: 176 @18619 has 45 MA's), (Start: 178 @18622 has 139 MA's), (Start: 196 @18637 has 2 MA's), (228, 18679), (256, 18727), (272, 18766), (277, 18781), (284, 18799), (295, 18832), (311, 18862), (335, 18907), (342, 18925), (371, 18997), (376, 19003), (395, 19033), (397, 19036), (430, 19099), (436, 19111), (498, 19246), (509, 19264), (534, 19294), (536, 19300), (541, 19318), (557, 19348), (571, 19387), (647, 19513), (671, 19576), (751, 19777), (769, 19831), (782, 19876), (808, 19921), (821, 19945), (831, 19978), (841, 20011), (875, 20083), (879, 20095), (896, 20146), (899, 20152), (951, 20254), (993, 20380), (1004, 20401),

Gene: Wishmaker_22 Start: 17406, Stop: 19148, Start Num: 176
Candidate Starts for Wishmaker_22:
(Start: 176 @17406 has 45 MA's), (Start: 181 @17415 has 15 MA's), (Start: 212 @17457 has 47 MA's), (248, 17508), (258, 17532), (263, 17544), (272, 17565), (277, 17580), (284, 17598), (296, 17631), (307, 17658), (342, 17730), (382, 17820), (427, 17904), (433, 17913), (445, 17934), (479, 18000), (490, 18027), (506, 18060), (527, 18078), (537, 18099), (541, 18114), (542, 18117), (571, 18183), (572, 18186), (599, 18252), (612, 18264), (630, 18273), (632, 18276), (671, 18363), (690, 18417), (715, 18462), (720, 18468), (749, 18540), (762, 18570), (769, 18597), (779, 18633), (782, 18642), (831, 18720), (889, 18864), (894, 18882), (899, 18894), (907, 18909), (908, 18912), (915, 18933), (925, 18945), (951, 18993), (967, 19026), (989, 19101), (993, 19119), (1004, 19140),

Gene: Wisp_18 Start: 16363, Stop: 18009, Start Num: 227

Candidate Starts for Wisp_18:
(203, 16327), (Start: 227 @16363 has 45 MA's), (283, 16465), (318, 16543), (321, 16546), (374, 16642), (396, 16681), (424, 16741), (435, 16762), (468, 16816), (475, 16831), (591, 17002), (600, 17032), (677, 17215), (686, 17239), (700, 17290), (739, 17383), (744, 17395), (765, 17440), (799, 17455), (843, 17587), (844, 17590), (875, 17689), (881, 17707), (899, 17758), (925, 17824), (963, 17887), (968, 17899),

Gene: Wizard_31 Start: 25993, Stop: 27759, Start Num: 111
Candidate Starts for Wizard_31:
(93, 25951), (Start: 111 @25993 has 74 MA's), (Start: 131 @26029 has 1 MA's), (Start: 159 @26062 has 217 MA's), (287, 26272), (289, 26275), (323, 26305), (351, 26371), (367, 26395), (372, 26404), (393, 26437), (478, 26590), (495, 26629), (535, 26680), (539, 26692), (543, 26710), (548, 26722), (553, 26734), (562, 26749), (571, 26779), (572, 26782), (579, 26803), (636, 26875), (663, 26923), (699, 27034), (724, 27067), (740, 27106), (743, 27109), (769, 27181), (803, 27247), (809, 27259), (879, 27430), (880, 27433), (896, 27481), (909, 27508), (917, 27535), (943, 27589), (984, 27706), (990, 27727), (1000, 27754),

Gene: Wizard007_27 Start: 19829, Stop: 21607, Start Num: 156
Candidate Starts for Wizard007_27:
(Start: 136 @19805 has 48 MA's), (Start: 156 @19829 has 559 MA's), (Start: 204 @19886 has 1 MA's), (241, 19940), (254, 19955), (Start: 260 @19973 has 1 MA's), (Start: 303 @20057 has 11 MA's), (323, 20069), (325, 20072), (367, 20147), (376, 20162), (402, 20201), (465, 20318), (508, 20405), (550, 20486), (572, 20534), (581, 20558), (615, 20645), (644, 20690), (675, 20762), (683, 20783), (689, 20801), (731, 20882), (767, 20975), (769, 20984), (775, 21008), (777, 21014), (784, 21038), (821, 21092), (828, 21113), (842, 21164), (850, 21188), (867, 21242), (899, 21338), (943, 21443), (948, 21458), (987, 21566), (992, 21584),

Gene: Wocket_20 Start: 16837, Stop: 18483, Start Num: 227
Candidate Starts for Wocket_20:
(203, 16801), (Start: 227 @16837 has 45 MA's), (283, 16939), (318, 17017), (374, 17116), (396, 17155), (417, 17200), (435, 17236), (468, 17290), (475, 17305), (535, 17338), (554, 17389), (591, 17476), (600, 17506), (677, 17689), (686, 17713), (739, 17857), (744, 17869), (799, 17929), (843, 18061), (844, 18064), (875, 18163), (881, 18181), (899, 18232), (921, 18292), (925, 18298), (963, 18361), (968, 18373),

Gene: Wogge42_55 Start: 33176, Stop: 34912, Start Num: 126
Candidate Starts for Wogge42_55:
(Start: 120 @33167 has 2 MA's), (Start: 126 @33176 has 26 MA's), (Start: 195 @33266 has 1 MA's), (266, 33383), (282, 33419), (291, 33440), (299, 33467), (301, 33473), (322, 33503), (336, 33527), (363, 33578), (437, 33716), (440, 33722), (472, 33773), (473, 33776), (482, 33794), (558, 33845), (566, 33866), (567, 33869), (589, 33917), (591, 33923), (605, 33971), (607, 33977), (611, 33983), (632, 34043), (648, 34067), (650, 34070), (666, 34115), (671, 34130), (674, 34139), (677, 34148), (693, 34193), (704, 34211), (721, 34244), (812, 34382), (820, 34403), (840, 34469), (848, 34499), (865, 34553), (878, 34595), (885, 34616), (892, 34637), (896, 34649), (907, 34670), (928, 34724), (971, 34802), (980, 34838), (986, 34859), (993, 34886),

Gene: Wooldri_31 Start: 20290, Stop: 22086, Start Num: 156
Candidate Starts for Wooldri_31:
(Start: 156 @20290 has 559 MA's), (Start: 204 @20347 has 1 MA's), (215, 20362), (238, 20395), (254, 20416), (259, 20431), (Start: 303 @20518 has 11 MA's), (323, 20530), (325, 20533), (367, 20608), (376, 20623), (400, 20659), (508, 20866), (567, 20980), (581, 21019), (615, 21106), (674, 21220), (683, 21244), (689, 21262), (731, 21343), (762, 21418), (767, 21436), (775, 21469), (777, 21475), (790, 21514), (820, 21568), (821, 21571), (828, 21592), (844, 21649), (899, 21817), (943, 21922),

(945, 21928), (992, 22063),

Gene: Wrigley_20 Start: 17427, Stop: 19133, Start Num: 157
Candidate Starts for Wrigley_20:
(Start: 137 @17403 has 45 MA's), (Start: 157 @17427 has 24 MA's), (238, 17532), (262, 17574), (302, 17649), (367, 17763), (445, 17910), (448, 17916), (546, 18099), (577, 18174), (730, 18456), (737, 18477), (767, 18552), (809, 18639), (826, 18675), (835, 18708), (837, 18714), (868, 18780), (879, 18810), (943, 18966), (945, 18972), (951, 18990), (990, 19101),

Gene: WunderPhul_31 Start: 19971, Stop: 21743, Start Num: 156
Candidate Starts for WunderPhul_31:
(110, 19905), (Start: 136 @19947 has 48 MA's), (Start: 156 @19971 has 559 MA's), (325, 20208), (366, 20280), (367, 20283), (376, 20298), (402, 20337), (406, 20343), (465, 20454), (469, 20460), (484, 20499), (508, 20541), (536, 20580), (550, 20622), (556, 20625), (615, 20781), (684, 20922), (689, 20937), (777, 21150), (828, 21249), (835, 21276), (852, 21327), (855, 21336), (866, 21375), (867, 21378), (899, 21474), (943, 21579), (945, 21585), (992, 21720),

Gene: Wyatt2_18 Start: 16746, Stop: 18515, Start Num: 136
Candidate Starts for Wyatt2_18:
(Start: 103 @16683 has 1 MA's), (Start: 111 @16704 has 74 MA's), (Start: 119 @16719 has 3 MA's), (Start: 136 @16746 has 48 MA's), (207, 16839), (241, 16887), (246, 16893), (265, 16920), (266, 16923), (269, 16929), (295, 17001), (298, 17010), (318, 17034), (327, 17049), (342, 17079), (414, 17205), (417, 17214), (427, 17235), (435, 17250), (475, 17319), (488, 17355), (501, 17376), (542, 17445), (562, 17484), (636, 17622), (644, 17634), (674, 17709), (676, 17715), (683, 17733), (695, 17772), (712, 17805), (716, 17814), (724, 17823), (730, 17832), (731, 17835), (774, 17955), (785, 17991), (826, 18039), (830, 18051), (858, 18105), (888, 18201), (893, 18219), (895, 18225), (896, 18228), (912, 18261), (919, 18285), (951, 18348), (965, 18390), (977, 18429), (983, 18447), (989, 18468), (994, 18489),

Gene: XFactor_16 Start: 14812, Stop: 16521, Start Num: 142
Candidate Starts for XFactor_16:
(Start: 142 @14812 has 207 MA's), (215, 14899), (Start: 249 @14944 has 2 MA's), (258, 14968), (299, 15073), (301, 15079), (309, 15097), (332, 15127), (390, 15232), (422, 15292), (434, 15313), (437, 15322), (450, 15346), (558, 15472), (564, 15487), (566, 15493), (580, 15529), (582, 15532), (589, 15544), (591, 15550), (605, 15598), (611, 15610), (614, 15616), (648, 15676), (653, 15688), (666, 15724), (670, 15736), (700, 15811), (704, 15820), (713, 15838), (715, 15844), (730, 15874), (806, 15979), (812, 15991), (825, 16027), (847, 16105), (878, 16204), (885, 16225), (896, 16258), (911, 16288), (919, 16318), (924, 16327), (928, 16333), (944, 16348), (945, 16351), (955, 16375), (968, 16405), (973, 16417), (980, 16447), (992, 16489),

Gene: Xandras_26 Start: 19820, Stop: 21415, Start Num: 212
Candidate Starts for Xandras_26:
(Start: 147 @19736 has 120 MA's), (Start: 212 @19820 has 47 MA's), (Start: 260 @19898 has 1 MA's), (296, 19985), (301, 20000), (332, 20048), (349, 20087), (405, 20174), (420, 20207), (437, 20243), (454, 20273), (457, 20279), (538, 20348), (561, 20378), (565, 20390), (566, 20393), (591, 20450), (650, 20582), (651, 20588), (675, 20654), (677, 20660), (686, 20684), (704, 20732), (715, 20756), (721, 20765), (754, 20840), (810, 20891), (819, 20906), (867, 21068), (875, 21095), (885, 21125), (926, 21230), (971, 21308), (980, 21344), (983, 21353), (992, 21386), (998, 21401),

Gene: Xavia_19 Start: 16389, Stop: 18125, Start Num: 137
Candidate Starts for Xavia_19:
(Start: 121 @16365 has 6 MA's), (Start: 137 @16389 has 45 MA's), (Start: 186 @16449 has 1 MA's), (198, 16470), (201, 16473), (272, 16587), (274, 16593), (290, 16632), (300, 16665), (317, 16689),

(382, 16809), (405, 16848), (407, 16854), (447, 16938), (450, 16944), (457, 16956), (473, 16980), (538, 17025), (555, 17064), (558, 17070), (567, 17094), (591, 17148), (594, 17160), (597, 17169), (621, 17229), (658, 17307), (670, 17346), (682, 17379), (704, 17445), (711, 17460), (715, 17469), (726, 17493), (740, 17523), (746, 17535), (822, 17637), (827, 17649), (828, 17652), (830, 17658), (832, 17667), (865, 17775), (892, 17859), (937, 17958), (983, 18066), (998, 18114),

Gene: Xena_27 Start: 19823, Stop: 21622, Start Num: 156
Candidate Starts for Xena_27:
(Start: 136 @19799 has 48 MA's), (Start: 156 @19823 has 559 MA's), (Start: 162 @19829 has 5 MA's), (Start: 204 @19883 has 1 MA's), (254, 19952), (286, 20030), (Start: 303 @20054 has 11 MA's), (325, 20069), (344, 20105), (367, 20144), (376, 20159), (402, 20198), (449, 20291), (465, 20315), (508, 20402), (567, 20516), (581, 20555), (615, 20642), (644, 20687), (674, 20756), (683, 20780), (687, 20792), (731, 20879), (762, 20954), (767, 20972), (769, 20981), (775, 21005), (777, 21011), (782, 21026), (800, 21059), (820, 21104), (821, 21107), (828, 21128), (899, 21353), (933, 21431), (943, 21458), (945, 21464), (992, 21599),

Gene: Xeno_18 Start: 14986, Stop: 16695, Start Num: 147
Candidate Starts for Xeno_18:
(Start: 147 @14986 has 120 MA's), (Start: 171 @15013 has 28 MA's), (Start: 249 @15118 has 2 MA's), (252, 15130), (269, 15166), (290, 15217), (299, 15247), (301, 15253), (320, 15280), (324, 15286), (390, 15406), (419, 15460), (422, 15466), (432, 15484), (437, 15496), (438, 15499), (450, 15520), (475, 15562), (535, 15595), (558, 15646), (564, 15661), (580, 15703), (589, 15718), (591, 15724), (605, 15772), (616, 15796), (625, 15826), (648, 15850), (670, 15910), (674, 15922), (693, 15976), (700, 15985), (727, 16045), (730, 16048), (806, 16153), (810, 16162), (825, 16201), (866, 16339), (918, 16489), (919, 16492), (924, 16501), (944, 16522), (955, 16549), (971, 16585), (998, 16678),

Gene: Xerxes_18 Start: 14986, Stop: 16695, Start Num: 147
Candidate Starts for Xerxes_18:
(Start: 147 @14986 has 120 MA's), (Start: 171 @15013 has 28 MA's), (Start: 249 @15118 has 2 MA's), (252, 15130), (269, 15166), (290, 15217), (299, 15247), (301, 15253), (320, 15280), (324, 15286), (390, 15406), (419, 15460), (422, 15466), (432, 15484), (437, 15496), (438, 15499), (450, 15520), (475, 15562), (535, 15595), (558, 15646), (564, 15661), (580, 15703), (589, 15718), (591, 15724), (605, 15772), (616, 15796), (625, 15826), (648, 15850), (670, 15910), (674, 15922), (693, 15976), (700, 15985), (727, 16045), (730, 16048), (806, 16153), (810, 16162), (825, 16201), (866, 16339), (918, 16489), (919, 16492), (924, 16501), (944, 16522), (955, 16549), (971, 16585), (998, 16678),

Gene: XianYue_28 Start: 20112, Stop: 21908, Start Num: 136
Candidate Starts for XianYue_28:
(110, 20070), (Start: 136 @20112 has 48 MA's), (Start: 156 @20136 has 559 MA's), (238, 20235), (269, 20289), (323, 20370), (325, 20373), (366, 20445), (367, 20448), (402, 20502), (430, 20559), (445, 20586), (508, 20706), (550, 20787), (556, 20790), (567, 20820), (615, 20946), (675, 21063), (730, 21180), (731, 21183), (777, 21315), (831, 21426), (835, 21441), (837, 21447), (855, 21501), (866, 21540), (869, 21555), (881, 21588), (933, 21717), (943, 21744), (945, 21750), (951, 21768), (968, 21804),

Gene: Ximenita_23 Start: 16499, Stop: 18265, Start Num: 178
Candidate Starts for Ximenita_23:
(Start: 171 @16490 has 28 MA's), (Start: 178 @16499 has 139 MA's), (198, 16529), (272, 16655), (277, 16670), (284, 16688), (295, 16721), (311, 16751), (335, 16796), (371, 16886), (395, 16922), (436, 17000), (441, 17009), (491, 17114), (492, 17117), (534, 17183), (536, 17189), (551, 17231), (557, 17237), (656, 17420), (676, 17480), (702, 17537), (724, 17582), (731, 17594), (751, 17642),

(782, 17741), (821, 17801), (832, 17837), (853, 17876), (879, 17951), (896, 18002), (899, 18008), (993, 18236), (994, 18239), (1004, 18257),

Gene: Xula_18 Start: 16123, Stop: 17856, Start Num: 152
Candidate Starts for Xula_18:
(Start: 152 @16123 has 6 MA's), (229, 16222), (236, 16231), (269, 16297), (278, 16321), (300, 16381), (301, 16384), (320, 16411), (419, 16591), (432, 16615), (437, 16627), (450, 16651), (558, 16777), (564, 16792), (567, 16801), (582, 16837), (591, 16855), (693, 17107), (700, 17116), (715, 17149), (810, 17293), (827, 17338), (858, 17440), (860, 17449), (865, 17467), (866, 17470), (899, 17569), (919, 17629), (930, 17647), (944, 17683), (948, 17698), (971, 17746), (990, 17815),

Gene: Y10_24 Start: 18637, Stop: 20409, Start Num: 196
Candidate Starts for Y10_24:
(Start: 146 @18583 has 1 MA's), (Start: 171 @18613 has 28 MA's), (Start: 176 @18619 has 45 MA's), (Start: 178 @18622 has 139 MA's), (Start: 196 @18637 has 2 MA's), (228, 18679), (256, 18727), (272, 18766), (277, 18781), (284, 18799), (295, 18832), (311, 18862), (335, 18907), (342, 18925), (371, 18997), (376, 19003), (395, 19033), (397, 19036), (430, 19099), (436, 19111), (498, 19246), (509, 19264), (534, 19294), (536, 19300), (541, 19318), (557, 19348), (571, 19387), (647, 19513), (671, 19576), (751, 19777), (769, 19831), (782, 19876), (808, 19921), (821, 19945), (831, 19978), (841, 20011), (875, 20083), (879, 20095), (896, 20146), (899, 20152), (951, 20254), (993, 20380), (1004, 20401),

Gene: Y2_24 Start: 18637, Stop: 20409, Start Num: 196
Candidate Starts for Y2_24:
(Start: 146 @18583 has 1 MA's), (Start: 171 @18613 has 28 MA's), (Start: 176 @18619 has 45 MA's), (Start: 178 @18622 has 139 MA's), (Start: 196 @18637 has 2 MA's), (228, 18679), (256, 18727), (272, 18766), (277, 18781), (284, 18799), (295, 18832), (311, 18862), (335, 18907), (342, 18925), (371, 18997), (376, 19003), (395, 19033), (397, 19036), (430, 19099), (436, 19111), (498, 19246), (509, 19264), (534, 19294), (536, 19300), (541, 19318), (557, 19348), (571, 19387), (647, 19513), (671, 19576), (751, 19777), (769, 19831), (782, 19876), (808, 19921), (821, 19945), (831, 19978), (841, 20011), (875, 20083), (879, 20095), (896, 20146), (899, 20152), (951, 20254), (993, 20380), (1004, 20401),

Gene: Yakult_19 Start: 15320, Stop: 17008, Start Num: 151
Candidate Starts for Yakult_19:
(122, 15290), (Start: 141 @15317 has 37 MA's), (Start: 151 @15320 has 50 MA's), (223, 15404), (287, 15527), (323, 15560), (362, 15638), (421, 15743), (430, 15761), (445, 15788), (462, 15818), (477, 15845), (495, 15890), (525, 15920), (530, 15932), (535, 15938), (536, 15941), (541, 15959), (567, 16025), (598, 16106), (635, 16142), (637, 16148), (644, 16157), (654, 16175), (672, 16220), (702, 16304), (727, 16340), (730, 16343), (731, 16346), (736, 16361), (740, 16370), (744, 16379), (767, 16436), (832, 16565), (835, 16577), (840, 16592), (853, 16604), (878, 16676), (879, 16679), (880, 16682), (891, 16715), (903, 16745), (914, 16778), (931, 16814), (933, 16817), (945, 16847), (948, 16856), (989, 16973), (998, 17000),

Gene: Yarn_17 Start: 15391, Stop: 17088, Start Num: 151
Candidate Starts for Yarn_17:
(Start: 141 @15388 has 37 MA's), (Start: 151 @15391 has 50 MA's), (235, 15493), (241, 15505), (287, 15601), (344, 15685), (400, 15775), (430, 15835), (445, 15862), (462, 15892), (465, 15895), (495, 15964), (525, 15997), (530, 16009), (534, 16012), (540, 16033), (541, 16036), (567, 16102), (571, 16114), (666, 16279), (731, 16429), (736, 16444), (744, 16462), (767, 16519), (835, 16660), (837, 16666), (841, 16678), (853, 16687), (878, 16759), (879, 16762), (881, 16768), (885, 16780), (925, 16885), (931, 16894), (945, 16927),

Gene: YassJohnny_25 Start: 20345, Stop: 21940, Start Num: 212
Candidate Starts for YassJohnny_25:
(Start: 147 @20261 has 120 MA's), (Start: 212 @20345 has 47 MA's), (Start: 260 @20423 has 1 MA's), (296, 20510), (301, 20525), (332, 20573), (349, 20612), (405, 20699), (420, 20732), (437, 20768), (454, 20798), (457, 20804), (538, 20873), (561, 20903), (565, 20915), (566, 20918), (591, 20975), (650, 21107), (651, 21113), (675, 21179), (677, 21185), (686, 21209), (704, 21257), (715, 21281), (721, 21290), (754, 21365), (810, 21416), (819, 21431), (867, 21593), (875, 21620), (885, 21650), (926, 21755), (971, 21833), (980, 21869), (983, 21878), (992, 21911), (998, 21926),

Gene: Yecey3_29 Start: 19844, Stop: 21634, Start Num: 156
Candidate Starts for Yecey3_29:
(Start: 153 @19841 has 9 MA's), (Start: 156 @19844 has 559 MA's), (238, 19943), (286, 20042), (325, 20081), (366, 20153), (367, 20156), (402, 20210), (406, 20216), (430, 20267), (445, 20294), (465, 20327), (508, 20414), (550, 20495), (556, 20498), (575, 20558), (617, 20660), (669, 20747), (675, 20771), (689, 20810), (731, 20891), (736, 20906), (800, 21071), (803, 21080), (821, 21119), (835, 21167), (842, 21191), (855, 21227), (866, 21266), (867, 21269), (869, 21281), (881, 21314), (899, 21365), (925, 21431), (943, 21470), (945, 21476),

Gene: Yeet412_17 Start: 14751, Stop: 16460, Start Num: 216
Candidate Starts for Yeet412_17:
(115, 14616), (Start: 216 @14751 has 31 MA's), (304, 14940), (305, 14943), (347, 15018), (376, 15072), (417, 15141), (423, 15153), (469, 15231), (471, 15234), (526, 15366), (547, 15420), (571, 15471), (583, 15501), (613, 15561), (634, 15573), (663, 15609), (704, 15726), (714, 15744), (731, 15783), (768, 15879), (825, 15987), (931, 16263), (933, 16266), (951, 16314), (965, 16344),

Gene: Yeezy_20 Start: 17119, Stop: 18717, Start Num: 213
Candidate Starts for Yeezy_20:
(Start: 213 @17119 has 53 MA's), (358, 17377), (367, 17395), (369, 17398), (406, 17452), (443, 17527), (479, 17596), (483, 17605), (488, 17617), (491, 17629), (509, 17668), (521, 17695), (526, 17704), (528, 17707), (585, 17740), (613, 17797), (663, 17863), (700, 17974), (730, 18034), (768, 18136), (784, 18193), (836, 18283), (933, 18523), (965, 18601),

Gene: Yndexa_43 Start: 29457, Stop: 31073, Start Num: 202
Candidate Starts for Yndexa_43:
(Start: 202 @29457 has 36 MA's), (209, 29466), (Start: 211 @29469 has 16 MA's), (Start: 231 @29493 has 1 MA's), (277, 29571), (367, 29754), (406, 29811), (410, 29823), (417, 29838), (458, 29904), (469, 29919), (481, 29943), (519, 30030), (522, 30036), (535, 30060), (562, 30120), (571, 30150), (577, 30171), (654, 30276), (663, 30297), (704, 30384), (728, 30432), (773, 30558), (785, 30594), (878, 30759), (884, 30777), (896, 30813), (976, 30987), (980, 30999), (998, 31056),

Gene: YoSam321_27 Start: 19824, Stop: 21602, Start Num: 156
Candidate Starts for YoSam321_27:
(Start: 136 @19800 has 48 MA's), (Start: 156 @19824 has 559 MA's), (Start: 204 @19881 has 1 MA's), (241, 19935), (254, 19950), (Start: 260 @19968 has 1 MA's), (Start: 303 @20052 has 11 MA's), (323, 20064), (325, 20067), (367, 20142), (376, 20157), (402, 20196), (465, 20313), (508, 20400), (550, 20481), (572, 20529), (581, 20553), (615, 20640), (644, 20685), (675, 20757), (683, 20778), (689, 20796), (731, 20877), (767, 20970), (769, 20979), (775, 21003), (777, 21009), (784, 21033), (821, 21087), (828, 21108), (842, 21159), (850, 21183), (867, 21237), (899, 21333), (943, 21438), (948, 21453), (987, 21561), (992, 21579),

Gene: Yogi_23 Start: 16323, Stop: 17948, Start Num: 182
Candidate Starts for Yogi_23:

(Start: 171 @16308 has 28 MA's), (Start: 182 @16323 has 32 MA's), (232, 16392), (256, 16428), (367, 16614), (439, 16743), (465, 16785), (478, 16812), (486, 16836), (495, 16854), (525, 16884), (534, 16899), (556, 16950), (590, 17034), (669, 17151), (675, 17175), (730, 17289), (748, 17337), (762, 17367), (772, 17406), (775, 17418), (808, 17448), (835, 17526), (894, 17673), (904, 17697), (917, 17733), (938, 17772), (998, 17940),

Gene: Yokurt_31 Start: 19971, Stop: 21743, Start Num: 156
Candidate Starts for Yokurt_31:
(110, 19905), (Start: 136 @19947 has 48 MA's), (Start: 156 @19971 has 559 MA's), (325, 20208), (366, 20280), (367, 20283), (376, 20298), (402, 20337), (406, 20343), (465, 20454), (469, 20460), (484, 20499), (508, 20541), (536, 20580), (550, 20622), (556, 20625), (615, 20781), (684, 20922), (689, 20937), (777, 21150), (828, 21249), (835, 21276), (852, 21327), (855, 21336), (866, 21375), (869, 21390), (899, 21474), (943, 21579), (945, 21585), (992, 21720),

Gene: Yoncess_23 Start: 16323, Stop: 17948, Start Num: 182
Candidate Starts for Yoncess_23:
(Start: 171 @16308 has 28 MA's), (Start: 182 @16323 has 32 MA's), (Start: 212 @16365 has 47 MA's), (232, 16392), (256, 16428), (367, 16614), (439, 16743), (465, 16785), (478, 16812), (486, 16836), (495, 16854), (525, 16884), (534, 16899), (556, 16950), (590, 17034), (669, 17151), (675, 17175), (730, 17289), (748, 17337), (762, 17367), (772, 17406), (775, 17418), (808, 17448), (835, 17526), (894, 17673), (904, 17697), (917, 17733), (938, 17772), (998, 17940),

Gene: Yorick_16 Start: 14811, Stop: 16520, Start Num: 142
Candidate Starts for Yorick_16:
(Start: 142 @14811 has 207 MA's), (215, 14898), (Start: 249 @14943 has 2 MA's), (258, 14967), (299, 15072), (301, 15078), (309, 15096), (332, 15126), (390, 15231), (419, 15285), (422, 15291), (425, 15300), (437, 15321), (450, 15345), (473, 15381), (475, 15387), (535, 15420), (536, 15423), (539, 15432), (544, 15447), (546, 15453), (558, 15471), (564, 15486), (566, 15492), (572, 15510), (573, 15513), (580, 15528), (589, 15543), (591, 15549), (605, 15597), (611, 15609), (614, 15615), (648, 15675), (653, 15687), (666, 15723), (670, 15735), (700, 15810), (704, 15819), (713, 15837), (715, 15843), (730, 15873), (806, 15978), (812, 15990), (825, 16026), (847, 16104), (885, 16224), (896, 16257), (911, 16287), (913, 16299), (919, 16317), (922, 16323), (924, 16326), (928, 16332), (944, 16347), (945, 16350), (953, 16371), (955, 16374), (973, 16416), (980, 16446), (992, 16488), (993, 16494),

Gene: YorkOnyx_35 Start: 29872, Stop: 31635, Start Num: 111
Candidate Starts for YorkOnyx_35:
(Start: 111 @29872 has 74 MA's), (Start: 131 @29908 has 1 MA's), (232, 30037), (238, 30046), (255, 30070), (285, 30142), (289, 30151), (340, 30220), (367, 30271), (372, 30280), (395, 30316), (406, 30331), (414, 30349), (448, 30412), (475, 30457), (478, 30466), (543, 30586), (550, 30601), (553, 30610), (562, 30625), (571, 30655), (689, 30877), (695, 30895), (699, 30910), (730, 30952), (731, 30955), (740, 30982), (785, 31102), (833, 31195), (879, 31306), (880, 31309), (896, 31357), (909, 31384), (917, 31411), (943, 31465),

Gene: Yoshi_19 Start: 13743, Stop: 15407, Start Num: 159
Candidate Starts for Yoshi_19:
(Start: 159 @13743 has 217 MA's), (221, 13824), (241, 13854), (256, 13875), (Start: 260 @13887 has 1 MA's), (289, 13953), (327, 13992), (333, 14004), (342, 14028), (374, 14085), (377, 14088), (391, 14112), (395, 14118), (397, 14121), (421, 14166), (430, 14184), (449, 14220), (508, 14331), (536, 14367), (543, 14394), (548, 14406), (550, 14409), (567, 14451), (571, 14463), (579, 14487), (622, 14541), (674, 14640), (714, 14733), (731, 14760), (735, 14772), (761, 14817), (767, 14838), (769, 14847), (879, 15081), (880, 15084), (881, 15087), (925, 15204), (945, 15246), (976, 15330), (994, 15393),

Gene: Youngblood_24 Start: 19998, Stop: 21593, Start Num: 212
Candidate Starts for Youngblood_24:
(Start: 147 @19914 has 120 MA's), (Start: 212 @19998 has 47 MA's), (Start: 260 @20076 has 1 MA's), (296, 20163), (301, 20178), (332, 20226), (349, 20265), (405, 20352), (420, 20385), (437, 20421), (454, 20451), (457, 20457), (538, 20526), (561, 20556), (565, 20568), (566, 20571), (591, 20628), (650, 20760), (651, 20766), (675, 20832), (677, 20838), (686, 20862), (704, 20910), (715, 20934), (721, 20943), (754, 21018), (810, 21069), (819, 21084), (867, 21246), (875, 21273), (885, 21303), (926, 21408), (971, 21486), (980, 21522), (983, 21531), (992, 21564), (998, 21579),

Gene: YoureAdopted_22 Start: 17124, Stop: 18890, Start Num: 178
Candidate Starts for YoureAdopted_22:
(Start: 178 @17124 has 139 MA's), (198, 17154), (284, 17313), (295, 17346), (311, 17376), (329, 17409), (335, 17421), (371, 17511), (400, 17553), (436, 17625), (441, 17634), (465, 17673), (484, 17718), (491, 17739), (492, 17742), (527, 17796), (536, 17814), (551, 17856), (557, 17862), (567, 17889), (647, 18027), (656, 18045), (670, 18087), (676, 18105), (688, 18135), (702, 18162), (751, 18267), (821, 18426), (832, 18462), (841, 18492), (853, 18501), (879, 18576), (896, 18627), (983, 18822), (993, 18861), (994, 18864), (1004, 18882),

Gene: Yucky_20 Start: 16287, Stop: 17984, Start Num: 141
Candidate Starts for Yucky_20:
(Start: 141 @16287 has 37 MA's), (Start: 151 @16290 has 50 MA's), (235, 16389), (259, 16431), (400, 16671), (445, 16758), (456, 16779), (462, 16788), (477, 16815), (495, 16860), (525, 16893), (534, 16908), (541, 16932), (553, 16965), (567, 16998), (571, 17010), (594, 17067), (620, 17097), (635, 17115), (652, 17145), (666, 17175), (688, 17238), (707, 17289), (731, 17325), (736, 17340), (744, 17358), (767, 17415), (769, 17424), (832, 17544), (835, 17556), (862, 17604), (878, 17655), (879, 17658), (885, 17676), (914, 17754), (925, 17781), (945, 17823), (994, 17970), (998, 17976),

Gene: Yummy_19 Start: 15276, Stop: 16973, Start Num: 151
Candidate Starts for Yummy_19:
(122, 15246), (Start: 141 @15273 has 37 MA's), (Start: 151 @15276 has 50 MA's), (287, 15486), (395, 15654), (400, 15660), (456, 15768), (477, 15804), (488, 15834), (495, 15849), (525, 15882), (530, 15894), (543, 15930), (567, 15987), (571, 15999), (644, 16119), (655, 16140), (666, 16164), (731, 16314), (736, 16329), (744, 16347), (767, 16404), (832, 16533), (835, 16545), (841, 16563), (853, 16572), (878, 16644), (879, 16647), (881, 16653), (885, 16665), (925, 16770), (931, 16779), (945, 16812), (989, 16938),

Gene: Yuna_24 Start: 16985, Stop: 18808, Start Num: 133
Candidate Starts for Yuna_24:
(Start: 133 @16985 has 1 MA's), (Start: 158 @17015 has 1 MA's), (Start: 219 @17099 has 2 MA's), (272, 17198), (277, 17213), (284, 17231), (295, 17264), (335, 17339), (371, 17429), (395, 17465), (441, 17552), (465, 17591), (484, 17636), (492, 17660), (509, 17696), (512, 17699), (527, 17714), (536, 17732), (547, 17768), (557, 17780), (567, 17807), (656, 17963), (676, 18023), (724, 18125), (751, 18185), (774, 18260), (782, 18284), (821, 18344), (832, 18380), (837, 18398), (853, 18419), (879, 18494), (896, 18545), (899, 18551), (908, 18572), (993, 18779), (994, 18782), (1004, 18800),

Gene: YungJamal_61 Start: 34927, Stop: 36663, Start Num: 126
Candidate Starts for YungJamal_61:
(Start: 120 @34918 has 2 MA's), (Start: 126 @34927 has 26 MA's), (Start: 195 @35017 has 1 MA's), (266, 35134), (282, 35170), (291, 35191), (299, 35218), (301, 35224), (322, 35254), (336, 35278), (363, 35329), (437, 35467), (440, 35473), (472, 35524), (473, 35527), (482, 35545), (558, 35596), (566, 35617), (567, 35620), (589, 35668), (591, 35674), (605, 35722), (607, 35728), (611, 35734), (632, 35794), (648, 35818), (650, 35821), (666, 35866), (671, 35881), (674, 35890), (677, 35899),

(693, 35944), (704, 35962), (721, 35995), (812, 36133), (820, 36154), (840, 36220), (848, 36250), (865, 36304), (878, 36346), (885, 36367), (892, 36388), (896, 36400), (907, 36421), (928, 36475), (971, 36553), (980, 36589), (986, 36610), (993, 36637),

Gene: YungMoney_33 Start: 27341, Stop: 29107, Start Num: 111
Candidate Starts for YungMoney_33:
(93, 27299), (104, 27329), (Start: 111 @27341 has 74 MA's), (Start: 131 @27377 has 1 MA's), (Start: 159 @27410 has 217 MA's), (266, 27566), (268, 27569), (287, 27620), (289, 27623), (323, 27653), (340, 27692), (367, 27743), (372, 27752), (393, 27785), (478, 27938), (495, 27977), (535, 28028), (539, 28040), (543, 28058), (548, 28070), (553, 28082), (562, 28097), (571, 28127), (572, 28130), (579, 28151), (663, 28271), (699, 28382), (724, 28415), (743, 28457), (769, 28529), (803, 28595), (879, 28778), (880, 28781), (896, 28829), (909, 28856), (917, 28883), (943, 28937), (984, 29054), (990, 29075), (1000, 29102),

Gene: Yunkel11_23 Start: 16380, Stop: 18146, Start Num: 178
Candidate Starts for Yunkel11_23:
(Start: 178 @16380 has 139 MA's), (Start: 181 @16386 has 15 MA's), (198, 16410), (284, 16569), (295, 16602), (311, 16632), (313, 16635), (329, 16665), (335, 16677), (371, 16767), (400, 16809), (436, 16881), (441, 16890), (465, 16929), (484, 16974), (491, 16995), (492, 16998), (536, 17070), (551, 17112), (557, 17118), (567, 17145), (647, 17283), (656, 17301), (670, 17343), (676, 17361), (688, 17391), (751, 17523), (779, 17613), (832, 17718), (841, 17748), (879, 17832), (896, 17883), (948, 17982), (983, 18078), (993, 18117), (994, 18120), (1004, 18138),

Gene: Yvonnetastic_45 Start: 30515, Stop: 32209, Start Num: 160
Candidate Starts for Yvonnetastic_45:
(Start: 160 @30515 has 2 MA's), (207, 30581), (Start: 212 @30587 has 47 MA's), (250, 30644), (317, 30803), (324, 30815), (392, 30941), (418, 30989), (564, 31139), (586, 31190), (591, 31202), (592, 31208), (653, 31349), (661, 31364), (720, 31523), (764, 31631), (842, 31760), (844, 31766), (846, 31775), (867, 31838), (879, 31877), (882, 31886), (899, 31934), (932, 32009), (967, 32069), (981, 32117), (989, 32144), (991, 32153), (992, 32156),

Gene: ZAYM_19 Start: 16938, Stop: 18701, Start Num: 122
Candidate Starts for ZAYM_19:
(59, 16659), (85, 16854), (122, 16938), (Start: 131 @16950 has 1 MA's), (Start: 148 @16971 has 5 MA's), (Start: 303 @17208 has 11 MA's), (333, 17241), (448, 17454), (484, 17526), (506, 17568), (536, 17607), (543, 17634), (553, 17658), (570, 17700), (579, 17727), (581, 17730), (619, 17784), (622, 17790), (670, 17877), (786, 18168), (791, 18171), (832, 18261), (837, 18279), (879, 18375), (885, 18393), (933, 18510), (948, 18549), (949, 18552), (954, 18564), (981, 18639), (989, 18666),

Gene: Zabiza_23 Start: 17155, Stop: 18921, Start Num: 178
Candidate Starts for Zabiza_23:
(Start: 178 @17155 has 139 MA's), (198, 17185), (284, 17344), (295, 17377), (311, 17407), (329, 17440), (335, 17452), (371, 17542), (400, 17584), (436, 17656), (441, 17665), (465, 17704), (484, 17749), (491, 17770), (492, 17773), (527, 17827), (536, 17845), (551, 17887), (557, 17893), (567, 17920), (647, 18058), (656, 18076), (670, 18118), (676, 18136), (688, 18166), (702, 18193), (751, 18298), (821, 18457), (832, 18493), (841, 18523), (853, 18532), (879, 18607), (896, 18658), (948, 18757), (983, 18853), (993, 18892), (994, 18895), (1004, 18913),

Gene: Zaka_31 Start: 19971, Stop: 21743, Start Num: 156
Candidate Starts for Zaka_31:
(110, 19905), (Start: 136 @19947 has 48 MA's), (Start: 156 @19971 has 559 MA's), (325, 20208), (366, 20280), (367, 20283), (376, 20298), (402, 20337), (406, 20343), (465, 20454), (469, 20460), (484, 20499), (508, 20541), (536, 20580), (550, 20622), (556, 20625), (615, 20781), (684, 20922),

(689, 20937), (777, 21150), (828, 21249), (835, 21276), (852, 21327), (855, 21336), (866, 21375), (869, 21390), (899, 21474), (943, 21579), (945, 21585), (992, 21720),

Gene: Zakai_18 Start: 16983, Stop: 18716, Start Num: 175
Candidate Starts for Zakai_18:
(Start: 175 @16983 has 56 MA's), (223, 17052), (295, 17193), (296, 17196), (327, 17241), (343, 17274), (346, 17283), (366, 17319), (400, 17373), (414, 17400), (419, 17412), (445, 17463), (448, 17469), (469, 17502), (546, 17655), (562, 17679), (564, 17688), (579, 17733), (588, 17748), (636, 17826), (686, 17946), (712, 18009), (746, 18081), (764, 18117), (824, 18237), (826, 18243), (830, 18255), (860, 18318), (875, 18369), (888, 18405), (896, 18432), (925, 18501), (935, 18516), (943, 18528), (951, 18552), (977, 18630),

Gene: Zakhe101_56 Start: 33573, Stop: 35309, Start Num: 126
Candidate Starts for Zakhe101_56:
(Start: 120 @33564 has 2 MA's), (Start: 126 @33573 has 26 MA's), (Start: 195 @33663 has 1 MA's), (266, 33780), (282, 33816), (291, 33837), (299, 33864), (301, 33870), (322, 33900), (336, 33924), (363, 33975), (437, 34113), (440, 34119), (472, 34170), (473, 34173), (482, 34191), (558, 34242), (566, 34263), (567, 34266), (580, 34299), (589, 34314), (591, 34320), (605, 34368), (607, 34374), (611, 34380), (632, 34440), (648, 34464), (650, 34467), (666, 34512), (671, 34527), (674, 34536), (677, 34545), (693, 34590), (704, 34608), (721, 34641), (812, 34779), (820, 34800), (840, 34866), (848, 34896), (865, 34950), (878, 34992), (885, 35013), (892, 35034), (896, 35046), (907, 35067), (928, 35121), (971, 35199), (980, 35235), (986, 35256), (993, 35283),

Gene: Zameen_19 Start: 17773, Stop: 19371, Start Num: 213
Candidate Starts for Zameen_19:
(Start: 213 @17773 has 53 MA's), (356, 18022), (358, 18031), (367, 18049), (369, 18052), (406, 18106), (443, 18181), (479, 18250), (483, 18259), (488, 18271), (509, 18322), (521, 18349), (526, 18358), (528, 18361), (583, 18391), (585, 18394), (613, 18451), (663, 18517), (690, 18595), (700, 18628), (714, 18652), (730, 18688), (768, 18790), (784, 18847), (822, 18892), (825, 18898), (836, 18937), (933, 19177), (965, 19255),

Gene: Zapner_20 Start: 14268, Stop: 15932, Start Num: 159
Candidate Starts for Zapner_20:
(Start: 159 @14268 has 217 MA's), (221, 14349), (241, 14379), (256, 14400), (Start: 260 @14412 has 1 MA's), (289, 14478), (327, 14517), (333, 14529), (342, 14553), (374, 14610), (377, 14613), (391, 14637), (395, 14643), (397, 14646), (421, 14691), (430, 14709), (449, 14745), (508, 14856), (536, 14892), (543, 14919), (548, 14931), (550, 14934), (567, 14976), (571, 14988), (579, 15012), (622, 15066), (674, 15165), (714, 15258), (731, 15285), (735, 15297), (764, 15348), (767, 15363), (801, 15417), (819, 15444), (879, 15606), (880, 15609), (881, 15612), (925, 15729), (945, 15771), (976, 15855), (990, 15900), (994, 15918),

Gene: Zarbodnamra_19 Start: 16649, Stop: 18295, Start Num: 227
Candidate Starts for Zarbodnamra_19:
(203, 16613), (Start: 227 @16649 has 45 MA's), (283, 16751), (310, 16823), (318, 16829), (321, 16832), (374, 16928), (396, 16967), (424, 17027), (435, 17048), (468, 17102), (475, 17117), (591, 17288), (600, 17318), (677, 17501), (686, 17525), (700, 17576), (739, 17669), (744, 17681), (765, 17726), (799, 17741), (843, 17873), (844, 17876), (875, 17975), (881, 17993), (899, 18044), (921, 18104), (925, 18110), (963, 18173), (968, 18185),

Gene: Zareef_22 Start: 16723, Stop: 18405, Start Num: 167
Candidate Starts for Zareef_22:
(57, 16387), (Start: 151 @16711 has 50 MA's), (Start: 167 @16723 has 22 MA's), (333, 16975), (341, 16996), (342, 16999), (367, 17044), (377, 17059), (421, 17137), (445, 17182), (495, 17284), (525,

17317), (530, 17329), (534, 17332), (553, 17389), (567, 17422), (572, 17437), (598, 17503), (637, 17545), (644, 17554), (666, 17599), (688, 17662), (730, 17743), (736, 17761), (740, 17770), (744, 17779), (767, 17836), (769, 17845), (835, 17977), (853, 18004), (862, 18025), (878, 18076), (879, 18079), (914, 18175), (925, 18202), (931, 18211), (933, 18214), (945, 18244), (951, 18262), (972, 18307), (998, 18397),

Gene: Zaria_18 Start: 16760, Stop: 18529, Start Num: 136
Candidate Starts for Zaria_18:
(Start: 103 @16697 has 1 MA's), (Start: 111 @16718 has 74 MA's), (Start: 119 @16733 has 3 MA's), (Start: 136 @16760 has 48 MA's), (207, 16853), (241, 16901), (246, 16907), (265, 16934), (266, 16937), (269, 16943), (295, 17015), (298, 17024), (318, 17048), (327, 17063), (342, 17093), (414, 17219), (417, 17228), (427, 17249), (435, 17264), (475, 17333), (488, 17369), (501, 17390), (542, 17459), (562, 17498), (636, 17636), (644, 17648), (674, 17723), (676, 17729), (683, 17747), (695, 17786), (712, 17819), (716, 17828), (724, 17837), (730, 17846), (774, 17969), (785, 18005), (826, 18053), (830, 18065), (858, 18119), (888, 18215), (893, 18233), (895, 18239), (896, 18242), (912, 18275), (919, 18299), (951, 18362), (965, 18404), (977, 18443), (983, 18461), (989, 18482), (994, 18503),

Gene: Zavala_23 Start: 17129, Stop: 18895, Start Num: 178
Candidate Starts for Zavala_23:
(Start: 178 @17129 has 139 MA's), (198, 17159), (284, 17318), (295, 17351), (311, 17381), (329, 17414), (335, 17426), (371, 17516), (400, 17558), (436, 17630), (441, 17639), (465, 17678), (484, 17723), (491, 17744), (492, 17747), (527, 17801), (536, 17819), (551, 17861), (557, 17867), (567, 17894), (600, 17981), (647, 18032), (656, 18050), (670, 18092), (676, 18110), (688, 18140), (702, 18167), (751, 18272), (821, 18431), (832, 18467), (841, 18497), (853, 18506), (879, 18581), (896, 18632), (983, 18827), (993, 18866), (994, 18869), (1004, 18887),

Gene: Zebo_55 Start: 33478, Stop: 35214, Start Num: 126
Candidate Starts for Zebo_55:
(Start: 120 @33469 has 2 MA's), (Start: 126 @33478 has 26 MA's), (Start: 195 @33568 has 1 MA's), (266, 33685), (282, 33721), (291, 33742), (299, 33769), (301, 33775), (336, 33829), (363, 33880), (437, 34018), (440, 34024), (472, 34075), (473, 34078), (482, 34096), (558, 34147), (566, 34168), (567, 34171), (589, 34219), (591, 34225), (605, 34273), (607, 34279), (611, 34285), (632, 34345), (648, 34369), (650, 34372), (666, 34417), (671, 34432), (674, 34441), (677, 34450), (693, 34495), (704, 34513), (721, 34546), (812, 34684), (820, 34705), (840, 34771), (848, 34801), (865, 34855), (878, 34897), (885, 34918), (892, 34939), (896, 34951), (907, 34972), (928, 35026), (971, 35104), (980, 35140), (986, 35161), (993, 35188),

Gene: Zeeculate_27 Start: 21795, Stop: 23597, Start Num: 159
Candidate Starts for Zeeculate_27:
(Start: 159 @21795 has 217 MA's), (Start: 176 @21816 has 45 MA's), (Start: 204 @21858 has 1 MA's), (237, 21903), (367, 22119), (395, 22164), (402, 22173), (421, 22212), (448, 22263), (449, 22266), (556, 22461), (581, 22530), (674, 22731), (675, 22734), (683, 22755), (730, 22851), (731, 22854), (733, 22860), (762, 22929), (767, 22947), (769, 22956), (777, 22986), (821, 23082), (831, 23115), (835, 23130), (879, 23271), (899, 23328), (945, 23439),

Gene: Zelink_38 Start: 28415, Stop: 30413, Start Num: 141
Candidate Starts for Zelink_38:
(Start: 141 @28415 has 37 MA's), (Start: 212 @28505 has 47 MA's), (245, 28553), (258, 28583), (272, 28610), (317, 28712), (334, 28742), (385, 28841), (407, 28877), (409, 28883), (420, 28904), (457, 28976), (464, 28985), (475, 29006), (566, 29114), (567, 29117), (572, 29132), (591, 29171), (605, 29219), (611, 29231), (614, 29237), (635, 29294), (650, 29315), (658, 29333), (673, 29381), (713, 29483), (746, 29555), (766, 29600), (768, 29612), (795, 29747), (796, 29753), (797, 29777), (798,

29849), (804, 29876), (886, 30125),

Gene: ZenTime222_19 Start: 16980, Stop: 18686, Start Num: 175
Candidate Starts for ZenTime222_19:
(101, 16872), (106, 16884), (Start: 175 @16980 has 56 MA's), (223, 17046), (273, 17121), (275, 17127), (Start: 303 @17211 has 11 MA's), (343, 17265), (366, 17310), (367, 17313), (409, 17379), (562, 17664), (674, 17886), (758, 18075), (826, 18213), (830, 18225), (896, 18402), (912, 18438), (977, 18603), (985, 18630), (998, 18669), (1002, 18675),

Gene: Zephyr_27 Start: 21215, Stop: 23017, Start Num: 159
Candidate Starts for Zephyr_27:
(Start: 159 @21215 has 217 MA's), (Start: 176 @21236 has 45 MA's), (Start: 204 @21278 has 1 MA's), (237, 21323), (367, 21539), (395, 21584), (402, 21593), (421, 21632), (448, 21683), (449, 21686), (473, 21722), (495, 21779), (556, 21881), (581, 21950), (674, 22151), (675, 22154), (683, 22175), (730, 22271), (731, 22274), (733, 22280), (762, 22349), (767, 22367), (769, 22376), (777, 22406), (821, 22502), (831, 22535), (835, 22550), (879, 22691), (899, 22748), (945, 22859),

Gene: Zerg_16 Start: 14774, Stop: 16483, Start Num: 142
Candidate Starts for Zerg_16:
(Start: 142 @14774 has 207 MA's), (215, 14861), (258, 14930), (266, 14951), (282, 14987), (299, 15035), (301, 15041), (309, 15059), (332, 15089), (390, 15194), (422, 15254), (425, 15263), (434, 15275), (437, 15284), (450, 15308), (535, 15383), (544, 15410), (546, 15416), (558, 15434), (564, 15449), (566, 15455), (580, 15491), (589, 15506), (591, 15512), (605, 15560), (611, 15572), (614, 15578), (648, 15638), (653, 15650), (666, 15686), (670, 15698), (700, 15773), (704, 15782), (713, 15800), (715, 15806), (730, 15836), (806, 15941), (812, 15953), (825, 15989), (847, 16067), (878, 16166), (885, 16187), (896, 16220), (911, 16250), (919, 16280), (924, 16289), (928, 16295), (944, 16310), (945, 16313), (955, 16337), (973, 16379), (980, 16409), (992, 16451),

Gene: Zetzy_28 Start: 19913, Stop: 21709, Start Num: 156
Candidate Starts for Zetzy_28:
(Start: 156 @19913 has 559 MA's), (Start: 204 @19970 has 1 MA's), (215, 19985), (238, 20018), (254, 20039), (259, 20054), (Start: 303 @20141 has 11 MA's), (323, 20153), (325, 20156), (367, 20231), (376, 20246), (400, 20282), (508, 20489), (581, 20642), (615, 20729), (674, 20843), (683, 20867), (689, 20885), (731, 20966), (762, 21041), (767, 21059), (775, 21092), (777, 21098), (790, 21137), (820, 21191), (821, 21194), (828, 21215), (844, 21272), (899, 21440), (943, 21545), (945, 21551), (992, 21686),

Gene: Zeuska_28 Start: 21670, Stop: 23451, Start Num: 176
Candidate Starts for Zeuska_28:
(Start: 159 @21649 has 217 MA's), (Start: 176 @21670 has 45 MA's), (Start: 204 @21712 has 1 MA's), (237, 21757), (367, 21973), (395, 22018), (402, 22027), (421, 22066), (448, 22117), (449, 22120), (556, 22315), (581, 22384), (674, 22585), (675, 22588), (683, 22609), (730, 22705), (731, 22708), (733, 22714), (762, 22783), (767, 22801), (769, 22810), (777, 22840), (821, 22936), (831, 22969), (835, 22984), (879, 23125), (899, 23182), (945, 23293),

Gene: ZhongYanYuan_17 Start: 16814, Stop: 18547, Start Num: 175
Candidate Starts for ZhongYanYuan_17:
(Start: 175 @16814 has 56 MA's), (223, 16883), (295, 17024), (296, 17027), (318, 17057), (327, 17072), (343, 17105), (366, 17150), (400, 17204), (414, 17231), (419, 17243), (445, 17294), (448, 17300), (469, 17333), (546, 17486), (562, 17510), (564, 17519), (579, 17564), (601, 17615), (668, 17720), (686, 17777), (712, 17840), (746, 17912), (764, 17948), (819, 18047), (824, 18068), (826, 18074), (830, 18086), (860, 18149), (888, 18236), (896, 18263), (912, 18296), (935, 18347), (943, 18359), (951, 18383), (977, 18461), (983, 18479),

Gene: ZiggyZoo_18 Start: 16440, Stop: 18086, Start Num: 227
Candidate Starts for ZiggyZoo_18:
(203, 16404), (Start: 227 @16440 has 45 MA's), (283, 16542), (318, 16620), (321, 16623), (374, 16719), (396, 16758), (424, 16818), (435, 16839), (468, 16893), (475, 16908), (591, 17079), (600, 17109), (677, 17292), (686, 17316), (700, 17367), (739, 17460), (744, 17472), (765, 17517), (799, 17532), (843, 17664), (844, 17667), (875, 17766), (881, 17784), (899, 17835), (925, 17901), (963, 17964), (968, 17976),

Gene: Ziko_56 Start: 28834, Stop: 30519, Start Num: 143
Candidate Starts for Ziko_56:
(73, 28642), (75, 28651), (76, 28657), (99, 28759), (113, 28789), (Start: 143 @28834 has 6 MA's), (256, 28975), (344, 29134), (377, 29188), (465, 29344), (524, 29443), (543, 29491), (567, 29548), (572, 29563), (635, 29653), (692, 29791), (730, 29854), (767, 29950), (800, 30001), (801, 30004), (807, 30016), (835, 30091), (840, 30106), (878, 30190), (909, 30271), (954, 30382), (990, 30487), (994, 30505),

Gene: Zilizebeth_19 Start: 16385, Stop: 18121, Start Num: 137
Candidate Starts for Zilizebeth_19:
(Start: 121 @16361 has 6 MA's), (Start: 137 @16385 has 45 MA's), (Start: 186 @16445 has 1 MA's), (198, 16466), (201, 16469), (274, 16589), (290, 16628), (300, 16661), (317, 16685), (382, 16805), (405, 16844), (407, 16850), (447, 16934), (450, 16940), (457, 16952), (473, 16976), (485, 17003), (538, 17021), (555, 17060), (558, 17066), (567, 17090), (591, 17144), (594, 17156), (597, 17165), (621, 17225), (658, 17303), (670, 17342), (682, 17375), (704, 17441), (711, 17456), (715, 17465), (726, 17489), (740, 17519), (746, 17531), (822, 17633), (827, 17645), (828, 17648), (830, 17654), (832, 17663), (865, 17771), (892, 17855), (937, 17954), (983, 18062), (998, 18110),

Gene: Zimmer_30 Start: 22382, Stop: 24154, Start Num: 156
Candidate Starts for Zimmer_30:
(110, 22316), (Start: 136 @22358 has 48 MA's), (Start: 141 @22367 has 37 MA's), (Start: 156 @22382 has 559 MA's), (269, 22535), (323, 22616), (325, 22619), (366, 22691), (367, 22694), (379, 22712), (402, 22748), (406, 22754), (465, 22865), (508, 22952), (550, 23033), (556, 23036), (581, 23105), (615, 23192), (689, 23348), (731, 23429), (736, 23444), (831, 23672), (835, 23687), (842, 23711), (866, 23786), (869, 23801), (881, 23834), (899, 23885), (943, 23990), (992, 24131),

Gene: Zion_34 Start: 29327, Stop: 30925, Start Num: 211
Candidate Starts for Zion_34:
(Start: 211 @29327 has 16 MA's), (280, 29426), (307, 29495), (331, 29534), (404, 29669), (433, 29729), (522, 29882), (529, 29894), (534, 29903), (535, 29906), (551, 29951), (562, 29966), (564, 29975), (567, 29984), (590, 30038), (596, 30056), (643, 30110), (747, 30326), (778, 30419), (849, 30527), (870, 30581), (895, 30656), (954, 30785), (997, 30911),

Gene: Zipp_34 Start: 30844, Stop: 32466, Start Num: 183
Candidate Starts for Zipp_34:
(Start: 138 @30787 has 1 MA's), (Start: 183 @30844 has 17 MA's), (201, 30865), (247, 30928), (274, 30991), (296, 31051), (300, 31063), (344, 31150), (373, 31201), (434, 31312), (447, 31339), (454, 31354), (567, 31438), (578, 31468), (584, 31477), (597, 31513), (621, 31573), (648, 31621), (651, 31630), (688, 31729), (706, 31768), (713, 31780), (762, 31897), (812, 31936), (826, 31975), (842, 32032), (856, 32071), (858, 32080), (873, 32137), (877, 32149), (896, 32206), (899, 32212), (909, 32233), (919, 32266), (948, 32311), (992, 32440), (994, 32449),

Gene: Zirinka_19 Start: 17776, Stop: 19374, Start Num: 213
Candidate Starts for Zirinka_19:

(Start: 213 @17776 has 53 MA's), (356, 18025), (358, 18034), (367, 18052), (369, 18055), (406, 18109), (443, 18184), (479, 18253), (483, 18262), (488, 18274), (491, 18286), (509, 18325), (521, 18352), (526, 18361), (528, 18364), (585, 18397), (613, 18454), (663, 18520), (700, 18631), (730, 18691), (768, 18793), (784, 18850), (836, 18940), (933, 19180), (965, 19258),

Gene: Zitch_36 Start: 28728, Stop: 30350, Start Num: 183
Candidate Starts for Zitch_36:
(Start: 183 @28728 has 17 MA's), (201, 28749), (210, 28761), (247, 28812), (261, 28851), (274, 28875), (300, 28947), (344, 29034), (373, 29085), (390, 29115), (434, 29196), (447, 29223), (565, 29316), (578, 29352), (584, 29361), (596, 29394), (597, 29397), (621, 29457), (648, 29505), (651, 29514), (688, 29613), (706, 29652), (713, 29664), (762, 29781), (812, 29820), (826, 29859), (842, 29916), (856, 29955), (858, 29964), (873, 30021), (877, 30033), (893, 30081), (896, 30090), (899, 30096), (909, 30117), (919, 30150), (948, 30195), (971, 30246), (992, 30324), (994, 30333),

Gene: Zizzle_16 Start: 14782, Stop: 16491, Start Num: 142
Candidate Starts for Zizzle_16:
(Start: 142 @14782 has 207 MA's), (215, 14869), (Start: 249 @14914 has 2 MA's), (258, 14938), (299, 15043), (301, 15049), (309, 15067), (332, 15097), (390, 15202), (419, 15256), (422, 15262), (425, 15271), (437, 15292), (450, 15316), (473, 15352), (475, 15358), (535, 15391), (536, 15394), (539, 15403), (544, 15418), (546, 15424), (558, 15442), (564, 15457), (566, 15463), (572, 15481), (573, 15484), (580, 15499), (589, 15514), (591, 15520), (605, 15568), (611, 15580), (614, 15586), (648, 15646), (653, 15658), (666, 15694), (670, 15706), (700, 15781), (704, 15790), (713, 15808), (715, 15814), (730, 15844), (806, 15949), (812, 15961), (825, 15997), (847, 16075), (885, 16195), (896, 16228), (911, 16258), (913, 16270), (919, 16288), (922, 16294), (924, 16297), (928, 16303), (944, 16318), (945, 16321), (953, 16342), (955, 16345), (973, 16387), (980, 16417), (992, 16459), (993, 16465),

Gene: ZoMa_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for ZoMa_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Zodiariah_18 Start: 16157, Stop: 17863, Start Num: 222
Candidate Starts for Zodiariah_18:
(192, 16118), (200, 16133), (Start: 222 @16157 has 16 MA's), (Start: 233 @16169 has 1 MA's), (241, 16184), (307, 16343), (337, 16397), (343, 16418), (436, 16604), (506, 16745), (534, 16775), (537, 16784), (539, 16790), (688, 17099), (745, 17228), (747, 17231), (762, 17264), (831, 17432), (833, 17438), (876, 17537), (899, 17606), (948, 17699), (1004, 17855),

Gene: ZoeJ_19 Start: 14954, Stop: 16723, Start Num: 176
Candidate Starts for ZoeJ_19:
(Start: 146 @14918 has 1 MA's), (Start: 171 @14948 has 28 MA's), (Start: 176 @14954 has 45 MA's), (Start: 195 @14969 has 1 MA's), (228, 15011), (256, 15059), (272, 15098), (277, 15113), (295, 15164), (311, 15194), (329, 15227), (335, 15239), (342, 15257), (371, 15329), (376, 15335), (430, 15431), (436, 15443), (485, 15539), (536, 15632), (541, 15650), (551, 15674), (557, 15680), (571, 15719), (579, 15743), (587, 15755), (647, 15845), (651, 15854), (671, 15908), (682, 15938), (730, 16049), (751, 16100), (784, 16208), (841, 16322), (853, 16331), (879, 16406), (896, 16457), (948, 16559), (972, 16613), (993, 16694), (1004, 16715),

Gene: Zolita_23 Start: 19917, Stop: 21716, Start Num: 156
Candidate Starts for Zolita_23:
(Start: 156 @19917 has 559 MA's), (Start: 260 @20055 has 1 MA's), (325, 20154), (367, 20229), (400, 20280), (436, 20352), (445, 20367), (465, 20400), (469, 20406), (522, 20499), (567, 20601), (575, 20631), (579, 20637), (615, 20727), (635, 20757), (674, 20841), (675, 20844), (689, 20883), (694, 20901), (730, 20961), (731, 20964), (767, 21057), (820, 21198), (833, 21240), (945, 21558), (992, 21693), (994, 21702),

Gene: Zombie_18 Start: 16649, Stop: 18403, Start Num: 194
Candidate Starts for Zombie_18:
(Start: 171 @16640 has 28 MA's), (Start: 194 @16649 has 44 MA's), (Start: 196 @16655 has 2 MA's), (201, 16661), (277, 16793), (295, 16844), (311, 16874), (325, 16898), (367, 17000), (391, 17039), (395, 17045), (406, 17060), (425, 17105), (488, 17225), (513, 17282), (536, 17321), (557, 17369), (567, 17396), (571, 17408), (607, 17489), (647, 17534), (731, 17732), (743, 17762), (751, 17780), (762, 17807), (785, 17891), (805, 17909), (818, 17924), (831, 17972), (835, 17987), (867, 18050), (885, 18107), (899, 18146), (915, 18188), (948, 18239), (983, 18335), (1004, 18395),

Gene: Zulu_31 Start: 19970, Stop: 21742, Start Num: 156
Candidate Starts for Zulu_31:
(110, 19904), (Start: 136 @19946 has 48 MA's), (Start: 156 @19970 has 559 MA's), (325, 20207), (366, 20279), (367, 20282), (376, 20297), (402, 20336), (406, 20342), (465, 20453), (469, 20459), (484, 20498), (508, 20540), (536, 20579), (550, 20621), (556, 20624), (615, 20780), (684, 20921), (689, 20936), (777, 21149), (828, 21248), (835, 21275), (852, 21326), (855, 21335), (866, 21374), (869, 21389), (899, 21473), (943, 21578), (945, 21584), (992, 21719),

Gene: xkcd_25 Start: 19999, Stop: 21594, Start Num: 212
Candidate Starts for xkcd_25:
(Start: 147 @19915 has 120 MA's), (Start: 212 @19999 has 47 MA's), (Start: 260 @20077 has 1 MA's), (296, 20164), (301, 20179), (332, 20227), (349, 20266), (405, 20353), (420, 20386), (437, 20422), (454, 20452), (457, 20458), (538, 20527), (561, 20557), (565, 20569), (566, 20572), (591, 20629), (650, 20761), (651, 20767), (675, 20833), (677, 20839), (686, 20863), (704, 20911), (715, 20935), (721, 20944), (754, 21019), (810, 21070), (819, 21085), (867, 21247), (875, 21274), (885, 21304), (926, 21409), (971, 21487), (980, 21523), (983, 21532), (992, 21565), (998, 21580),