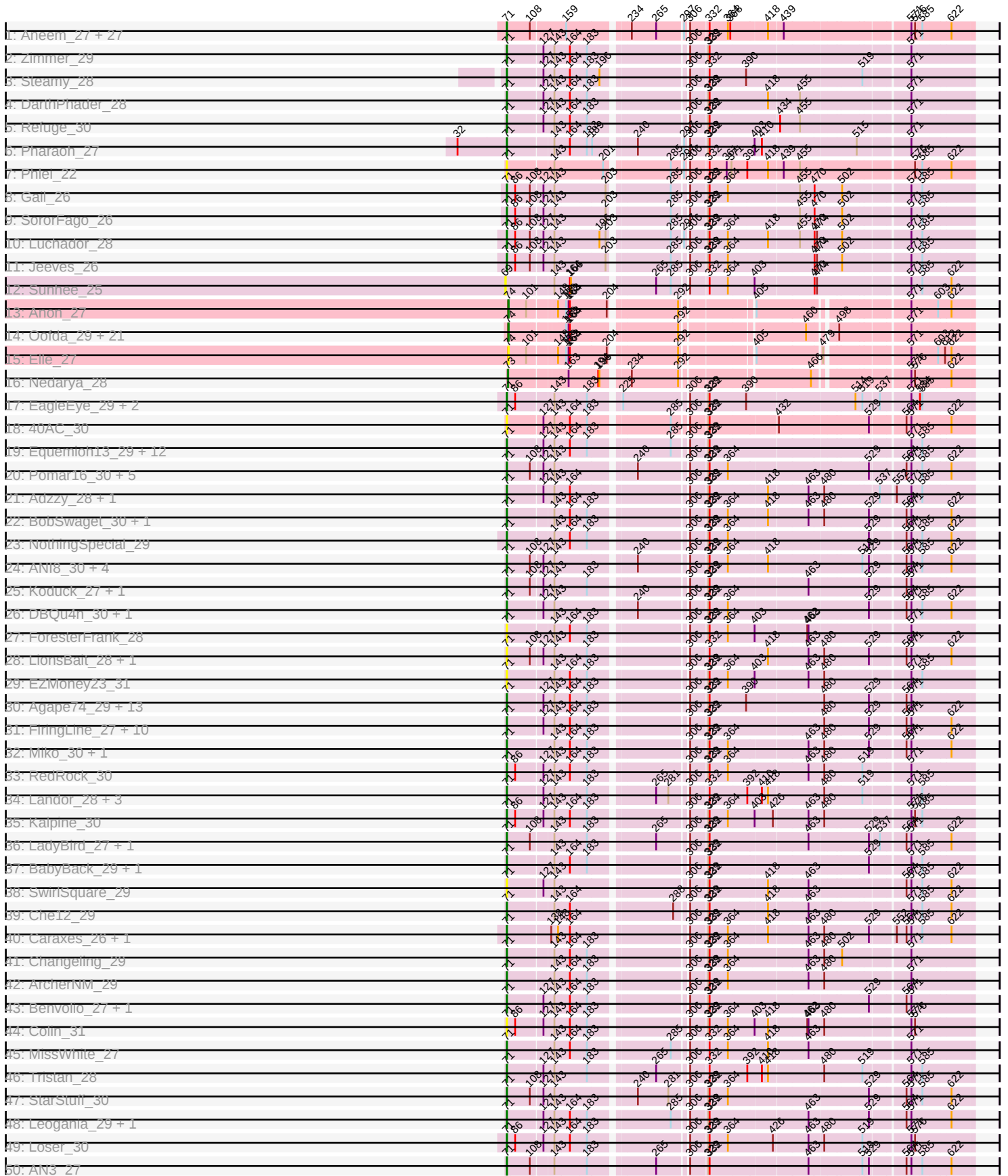


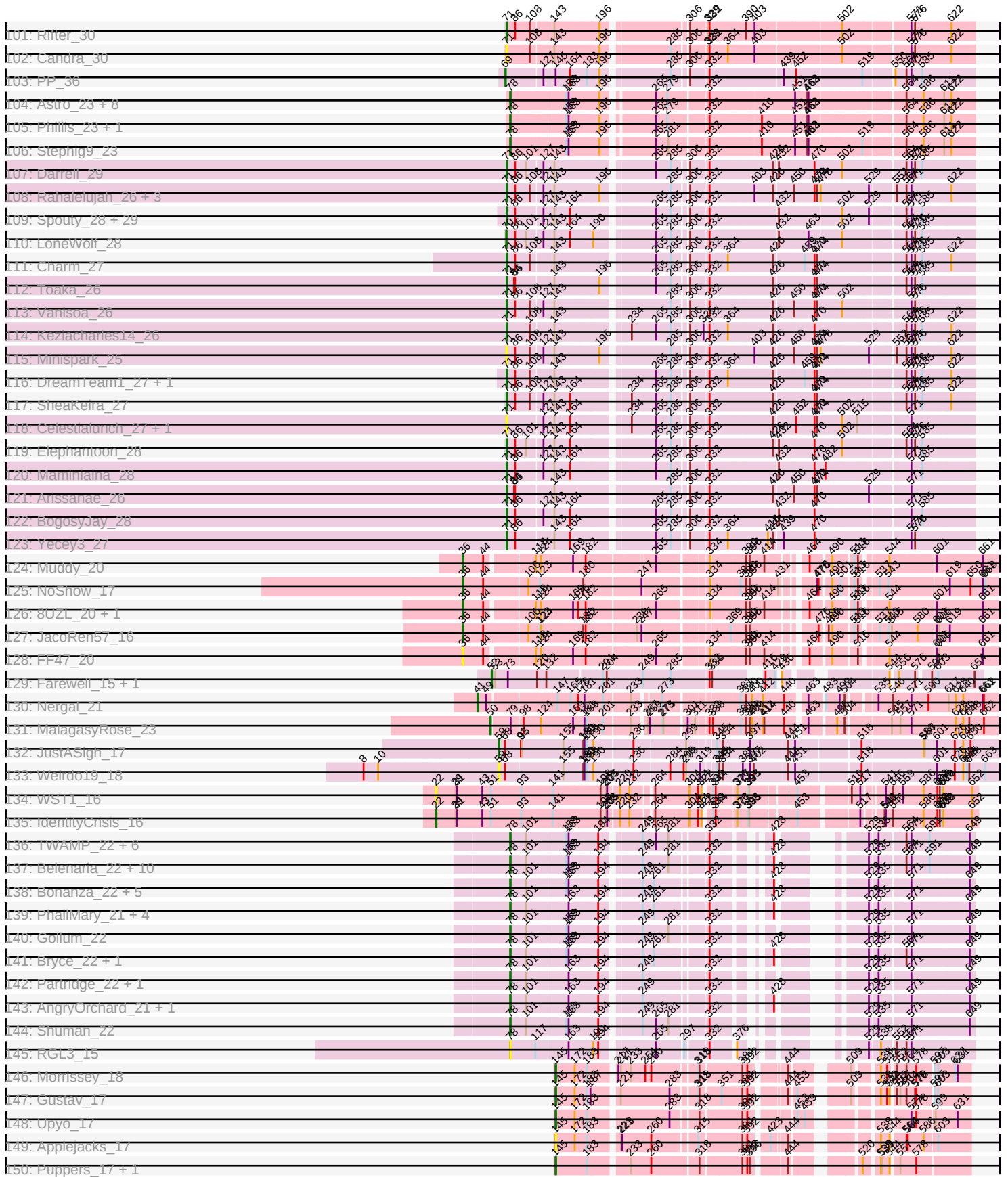
Pham 279933



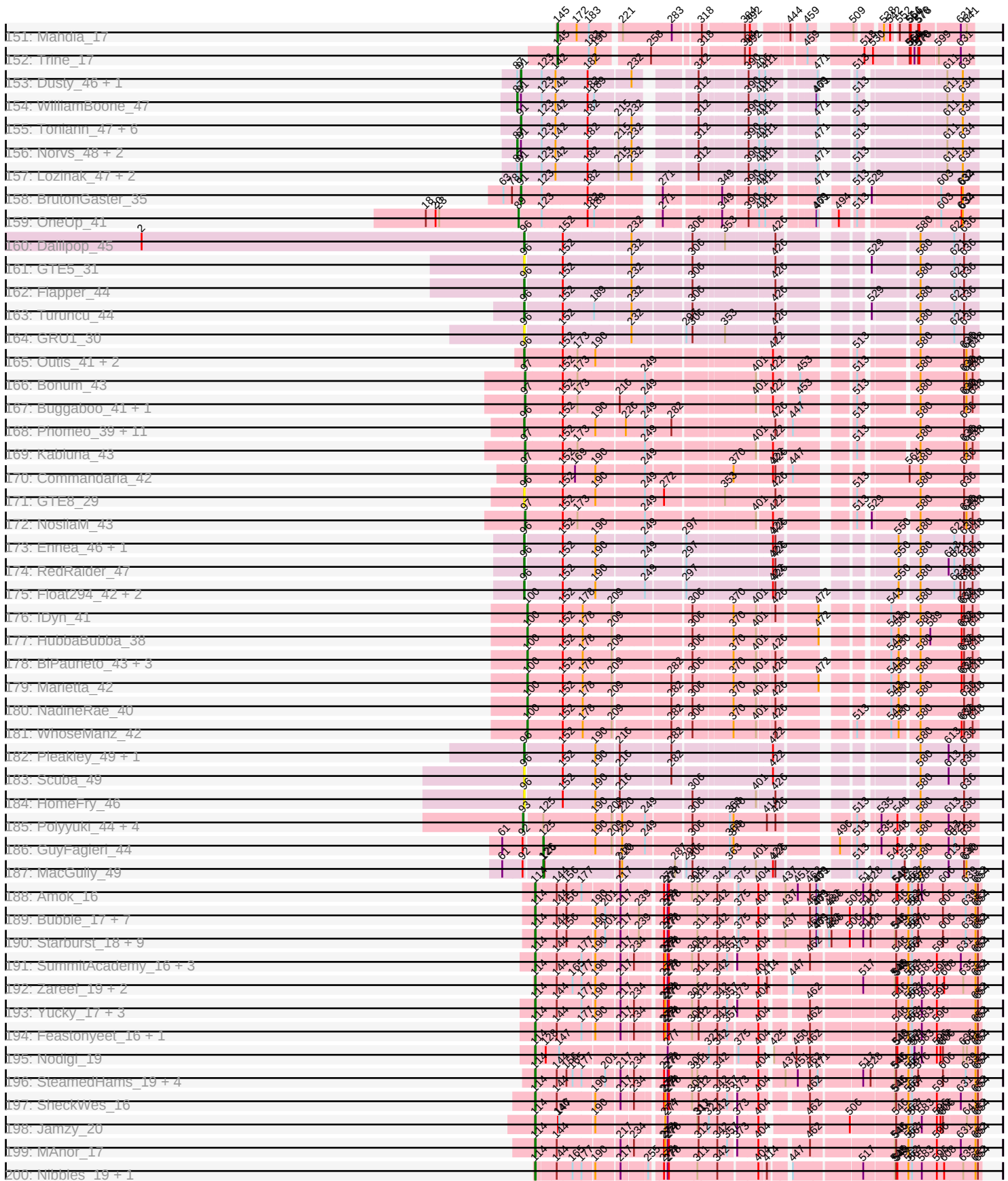
Pham 279933

51: Serenity_26	71	108	127	143	183		265	285	306	323	364		463	529	554
52: TarsusIV_27	71	108	127	143	183		265	285	306	323	364		463	529	554
53: Daimatian_27 + 2	71	108	127	143	183		265	285	306	323	364		463	529	554
54: Bengivulton_28 + 1	71	108	127	143	183		265	285	306	323	364		463	529	554
55: Jsquared_26	71	108	127	143	183		265	285	306	323	364		463	529	554
56: XianYue_27	71	108	127	143	183		265	285	306	323	364	416	463	529	554
57: TopsytheiRex_26	71	108	127	143	183		265	285	306	323	364		463	529	554
58: Bradman_26 + 2	71	108	127	143	183		265	285	306	323	364		463	529	554
59: Larenn_28 + 1	71	108	127	143	183		265	285	306	323	364	416	463	529	554
60: IronMan_29	71	108	127	143	183		265	285	306	323	364	416	463	529	554
61: WeiHuaDA_33	71	108	127	143	183		265	285	306	323	364		463	529	554
62: Kerberos_30	71	108	127	143	183		265	285	306	323	364	416	463	529	554
63: Pukovnik_29	71	108	127	143	183		265	285	306	323	364	416	463	529	554
64: Tixie_30	71	108	127	143	183		265	285	306	323	364	416	463	529	554
65: DeerParkTS_28	71	108	127	143	183		265	285	306	323	364	416	463	529	554
66: Acolyte_27	71	108	127	143	183		265	285	306	323	364		463	529	554
67: ZUES_27	71	108	127	143	183		265	285	306	323	364		463	529	554
68: HeHailump_29	71	108	127	143	183		265	285	306	323	364		463	529	554
69: Trooper_27	71	108	127	143	183		265	285	306	323	364	416	463	529	554
70: Herbertwm_24	71	108	127	143	183		265	285	306	323	364	416	463	529	554
71: Odin_26	71	108	127	143	183		265	285	306	323	364	416	463	529	554
72: Iwokeupkicked_28	71	108	127	143	183		265	285	306	323	364	416	463	529	554
73: NicoleTera_31	71	108	127	143	183		265	285	306	323	364		463	529	554
74: HarryHoudini_29	71	108	127	143	183		265	285	306	323	364		463	529	554
75: Prudy_29	71	108	127	143	183		265	285	306	323	364		463	529	554
76: AnnaL29_30	71	108	127	143	183		265	285	306	323	364	416	463	529	554
77: Journey13_25	71	108	127	143	183		265	285	306	323	364		463	529	554
78: First_0027	71	108	127	143	183		265	285	306	323	364	416	463	529	554
79: FatCactus_25	71	108	127	143	183		265	285	306	323	364	416	463	529	554
80: Anthony_26	71	108	127	143	183		265	285	306	323	364	416	463	529	554
81: Kinmap_27	71	108	127	143	183		265	285	306	323	364	416	463	529	554
82: Chargerpower_27	71	108	127	143	183		265	285	306	323	364		463	529	554
83: Talyneairai_22 + 7	71	108	127	143	183		265	285	306	323	364		463	529	554
84: Theia_21 + 1	71	108	127	143	183		265	285	306	323	364		463	529	554
85: PetterN_24	71	108	127	143	183		265	285	306	323	364		463	529	554
86: LittleCherry_23 + 2	71	108	127	143	183		265	285	306	323	364		463	529	554
87: Chadwick_24 + 1	71	108	127	143	183		265	285	306	323	364		463	529	554
88: ForGetit_23 + 7	71	108	127	143	183		265	285	306	323	364		463	529	554
89: Philorence_23 + 5	71	108	127	143	183		265	285	306	323	364		463	529	554
90: Scorpio_24 + 1	71	108	127	143	183		265	285	306	323	364		463	529	554
91: Jabiru_23	71	108	127	143	183		265	285	306	323	364		463	529	554
92: Florence1_23 + 1	71	108	127	143	183		265	285	306	323	364		463	529	554
93: OnionJack_23 + 1	71	108	127	143	183		265	285	306	323	364		463	529	554
94: Midas2_23 + 3	71	108	127	143	183		265	285	306	323	364		463	529	554
95: ElRigger69_23	71	108	127	143	183		265	285	306	323	364		463	529	554
96: Cloudwang3_30 + 17	71	108	127	143	183		265	285	306	323	364		463	529	554
97: Polyphemus_30 + 22	71	108	127	143	183		265	285	306	323	364		463	529	554
98: Blinn1_30 + 1	71	108	127	143	183		265	285	306	323	364		463	529	554
99: Koko_30	71	108	127	143	183		265	285	306	323	364		463	529	554
100: Indra_30 + 3	71	108	127	143	183		265	285	306	323	364		463	529	554

Pham 279933



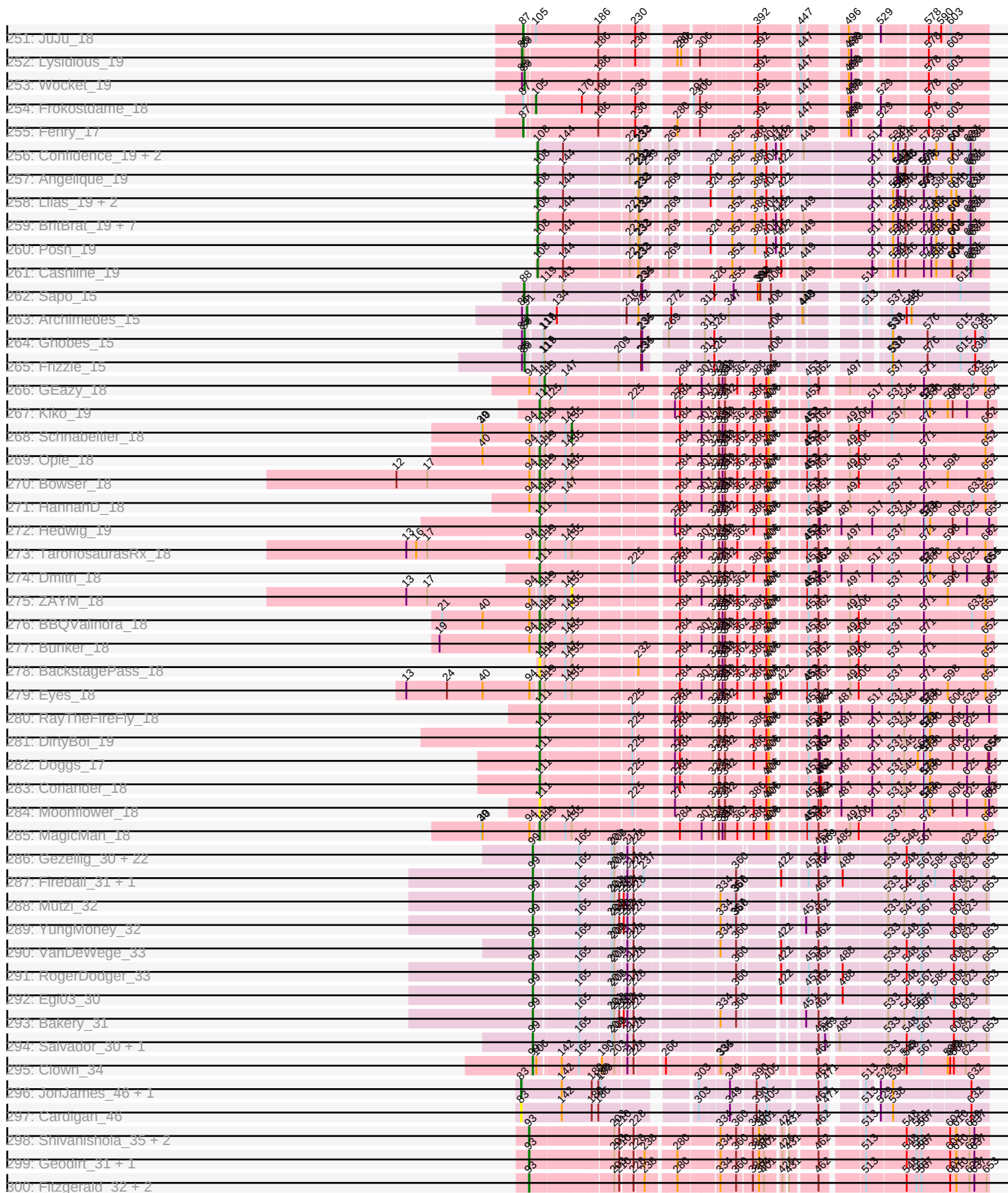
Pham 279933



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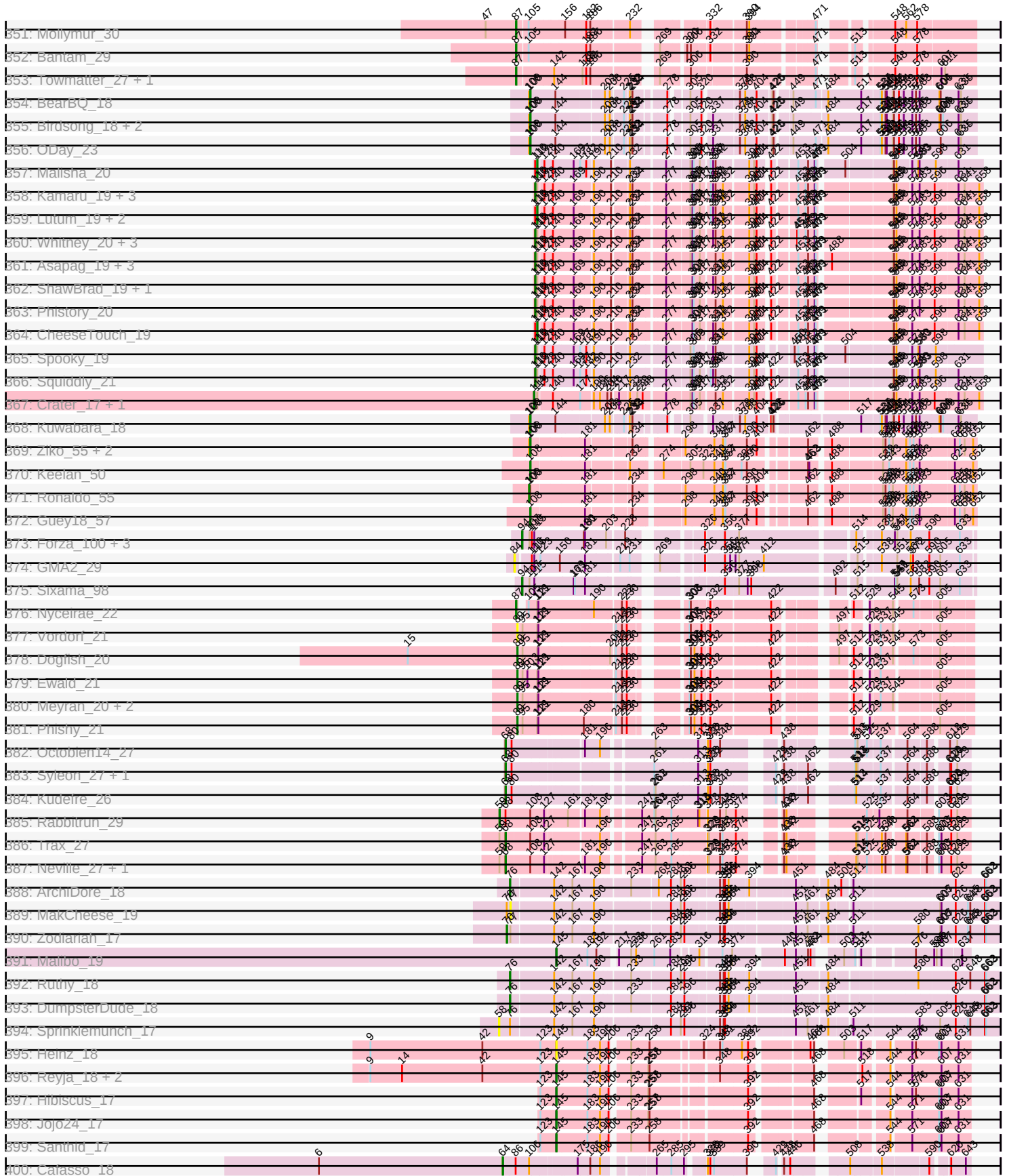
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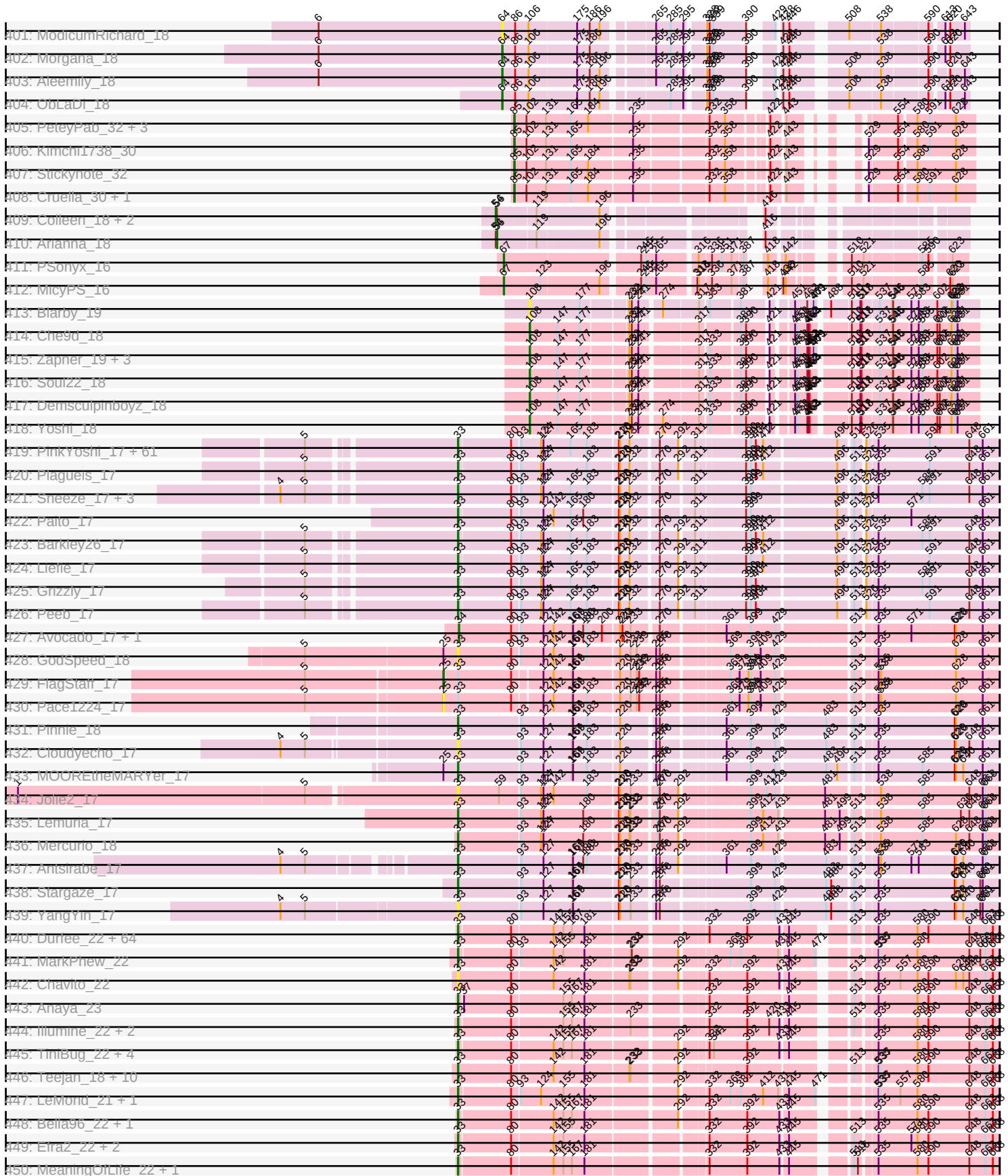


501: StorminNorm_33 + 3	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
502: Tangerine_33 + 2	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
503: Gaea_33	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
504: Allee_32 + 3	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
505: MoontowerMafia_33	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
506: Rofo_34 + 4	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
507: Bizzy_34 + 3	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
508: Fosterous_32 + 1	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
509: Ribeye_34	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
510: Kamashten_33 + 1	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
511: LiHam_31	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
512: Lennon_34 + 1	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
513: Flatwoods_34 + 1	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
514: Keltabear_34	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
515: Baddon_33 + 1	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
516: Nordenberg_28 + 1	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
517: Biowit_33	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
518: Galadriel_34 + 2	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
519: Angelcage_32	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
520: JKSyngboy_31	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
521: McCrothy_34 + 1	93	181	190	200	210	220	230	240	250	334	360	401	414	431	462	513	557	620	687
522: RiverRaider_34	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
523: Phauli_25 + 3	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
524: Belphegor_32	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
525: Phinally_32 + 1	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
526: EMoore_30	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
527: MerBins_33	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
528: Chickadee_31 + 2	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
529: RoadKill_29	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
530: Kwekel_31	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
531: Dexden_32 + 1	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
532: GTE6_31	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
533: Sampson_34 + 5	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
534: DoctorFoggo_33 + 3	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
535: Tardus_35	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
536: ViaConiectus_34	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
537: APunk_35	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
538: Zitch_35	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
539: Libeanie_29	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
540: Lucky10_17	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
541: Morkie_17 + 1	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
542: DelRio_22 + 1	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
543: Hamood_21 + 3	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
544: NancyRae_21 + 6	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
545: Francois_21	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
546: Bock_21	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
547: Phendrix_86	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
548: GodonK_88	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
549: SpeedDemon_310	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219
550: DatBot_30	94	181	183	185	187	189	191	193	195	201	203	205	207	209	211	213	215	217	219

Pham 279933



Pham 279933



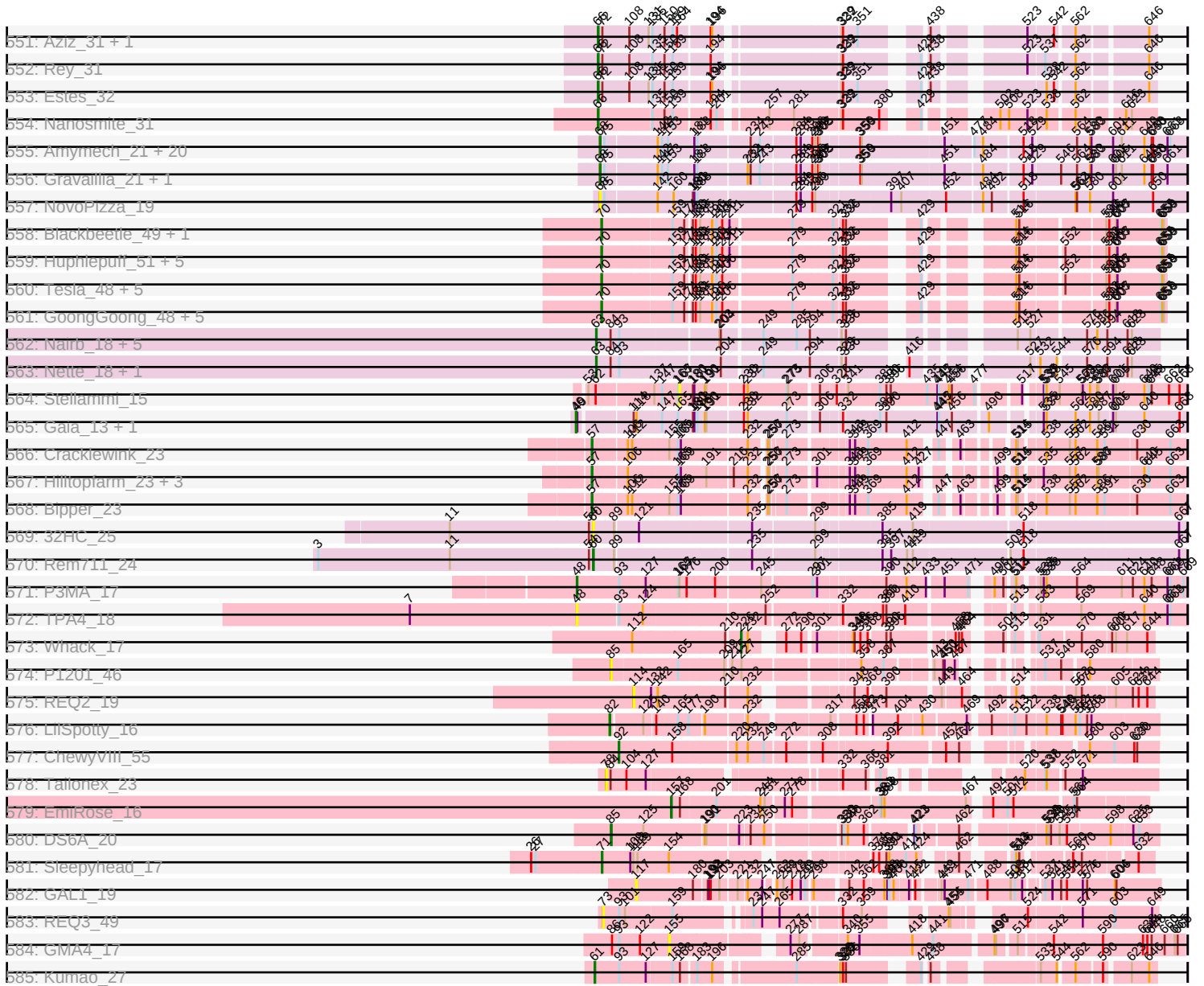
Pham 279933

[illegible]

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Pham 279933



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 279933 Report

This analysis was run 02/07/26 on database version 634.

Pham number 279933 has 1418 members, 199 are drafts.

Phages represented in each track:

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

- Track 29 : EZMoney23_31
- Track 30 : Agape74_29, LilTurb_29, JoshKayV_29, AbbyPaige_29, Buggy_29, Leviathan_29, Whabigail7_29, Dignity_29, Jerm_29, Smeagan_29, ChipMunk_29, KingCyrus_29, Turbido_29, EvilGenius_29
- Track 31 : FiringLine_27, Crucio_27, QueenBeesly_27, Georgie2_28, Fameo_27, QueenB2_27, SweetiePie_27, Anselm_27, Power_27, SemperFi_29, SnapTap_27
- Track 32 : Miko_30, Lokk_30
- Track 33 : RedRock_30
- Track 34 : Landor_28, Phaded_30, Bactobuster_28, Jaan_30
- Track 35 : Kalpine_30
- Track 36 : LadyBird_27, CRB1_27
- Track 37 : BabyBack_29, GaugeLDP_29
- Track 38 : SwirlSquare_29
- Track 39 : Che12_29
- Track 40 : Caraxes_26, Superchunk_26
- Track 41 : Changeling_29
- Track 42 : ArcherNM_29
- Track 43 : Benvolio_27, Echid_27
- Track 44 : Colin_31
- Track 45 : MissWhite_27
- Track 46 : Tristan_28
- Track 47 : StarStuff_30
- Track 48 : Leogania_29, BiancaTri92_29
- Track 49 : Loser_30
- Track 50 : AN3_27
- Track 51 : Serenity_26
- Track 52 : TarsusIV_27
- Track 53 : Dalmatian_27, Retro23_27, DudeLittle_27
- Track 54 : BengiVuitton_28, Deloris_28
- Track 55 : Jsquared_26
- Track 56 : XianYue_27
- Track 57 : TipsytheTRex_26
- Track 58 : Bradman_26, MajorMajor_26, Quokka_25
- Track 59 : Larenn_28, Malec_28
- Track 60 : IronMan_29
- Track 61 : WeiHuaDA_33
- Track 62 : Kerberos_30
- Track 63 : Pukovnik_29
- Track 64 : Trixie_30
- Track 65 : DeerParkTS_28
- Track 66 : Acolyte_27
- Track 67 : 20ES_27
- Track 68 : Heffalump_29
- Track 69 : Trooper_27
- Track 70 : Herbertwm_24
- Track 71 : Odin_26
- Track 72 : Iwokeuplikedis_28
- Track 73 : NicoleTera_31
- Track 74 : HarryHoudini_29
- Track 75 : Prudy_29
- Track 76 : AnnaL29_30
- Track 77 : Journey13_25
- Track 78 : First_0027

- Track 79 : FatCactus_25
- Track 80 : Anthony_26
- Track 81 : Kinmap_27
- Track 82 : Chargerpower_27
- Track 83 : Tarynearal_22, George_22, HuhtaEnerson15_23, Swirley_23, Micasa_23, Milcery_23, Cuco_23, Pinashe11_24
- Track 84 : Theia_21, Twigg_23
- Track 85 : PetterN_24
- Track 86 : LittleCherry_23, Bonamassa_23, Tiger_23
- Track 87 : Chadwick_24, Naca_23
- Track 88 : ForGetIt_23, Conspiracy_23, Ghouboy_23, Zolita_22, SydNat_23, Archetta_23, Bluefalcon_22, Jovo_23
- Track 89 : Phlorence_23, Lev2_23, AgentM_23, PickleBack_23, Discoknowium_23, Aragog_23
- Track 90 : Scorpio_24, Benedict_23
- Track 91 : Jabiru_23
- Track 92 : Florence1_23, Florence4_24
- Track 93 : UnionJack_23, Airmid_23
- Track 94 : Midas2_23, Coog_23, Dublin_22, MarysWell_22
- Track 95 : ElTiger69_23
- Track 96 : CloudWang3_30, ToneTone_28, Artemis2UCLA_30, Blue7_30, Wiks_30, Lilbunny_30, Yokurt_30, Roksolana_30, Jeffabunny_30, Tucker_30, Zaka_30, Gruunaga_30, Zulu_30, WunderPhul_30, Hexamo_30, Gladiator_30, Hammer_30, BlessJoy_30
- Track 97 : Polyphemus_30, GreedyLawyer_30, Kazan_30, VohminGhazi_30, EricB_30, SmellyB_30, Chartreuse_30, Kipper29_30, Dorothea_30, DaVinci_30, Neeharika16_30, McFly_30, Cookiedough_30, Jordennis_30, Hoot_30, SuperCallie99_30, SuperAwesome_30, Pmask_30, BABullseye_30, JewelBug_30, BennyP_30, Isiphiwo_30, Newrala_30
- Track 98 : Blinn1_30, Priamo_30
- Track 99 : Koko_30
- Track 100 : Indra_30, Garak_31, Helmet_30, Temprado_30
- Track 101 : Rifter_30
- Track 102 : Candra_30
- Track 103 : PP_36
- Track 104 : Astro_23, Dixon_23, Smeadley_23, Caitlin_22, NearlyHeadless_23, Danforth_22, Expelliarmus_22, Saintus_23, Roary_23
- Track 105 : Phillis_23, Groundhog_22
- Track 106 : Stephig9_23
- Track 107 : Darrell_29
- Track 108 : Rahalelujah_26, Bellris_25, CogOmlette_25, WorldCup_25
- Track 109 : Spouty_28, Lilleskat_26, Tubs_28, EdogawaKiddo_26, Pioneer_28, Eidsmoe_28, Fayely_28, Myxus_28, Beemo_28, RyeScarlet_29, Aliter_28, Halex_27, Priya_28, Catalina_28, Onglai_27, Qobbit_28, Phonnegut_28, Conquerage_28, Hanray_27, Alma_28, Ugenie5_25, PackMan_28, Phaeder_28, Ayanochan_29, Sachima_26, Jiawan_27, ExplosioNervosa_28, EmyBug_28, Scherzo_28, HortumSL17_28
- Track 110 : LoneWolf_28
- Track 111 : Charm_27
- Track 112 : Toaka_26
- Track 113 : Vanisoa_26
- Track 114 : Keziacharles14_26
- Track 115 : Minispark_25

- Track 116 : DreamTeam1_27, Klodlith_27
- Track 117 : SheaKeira_27
- Track 118 : Celestiallunch_27, MegTheThird_26
- Track 119 : Elephantoon_28
- Track 120 : Maminiaina_28
- Track 121 : Arissanae_26
- Track 122 : BogosyJay_28
- Track 123 : Yecey3_27
- Track 124 : Muddy_20
- Track 125 : NoShow_17
- Track 126 : 8UZL_20, Maco6_18
- Track 127 : JacoRen57_16
- Track 128 : FF47_20
- Track 129 : Farewell_15, Sparky_15
- Track 130 : Nergal_21
- Track 131 : MalagasyRose_23
- Track 132 : JustASigh_17
- Track 133 : Weirido19_18
- Track 134 : WST1_16
- Track 135 : IdentityCrisis_16
- Track 136 : TWAMP_22, Erik_22, Phrankenstein_22, Lillie_22, CosmicSans_22, Bradshaw_22, Rhodalysa_22
- Track 137 : Belenaria_22, StCroix_22, RexFury_22, Espica_22, RER2_15, Naiad_22, Nancinator_22, UhSalsa_22, Swann_22, Alatin_22, Natosaleda_22
- Track 138 : Bonanza_22, Rasputin_22, BobbyDazzler_22, Alpacados_21, Yoncess_22, Yogi_22
- Track 139 : PhailMary_21, AppleCloud_20, Jester_22, Krishelle_22, Hiro_22
- Track 140 : Gollum_22
- Track 141 : Bryce_22, Harlequin_22
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- Track 580 : DS6A_20
- Track 581 : Sleepyhead_17
- Track 582 : GAL1_19
- Track 583 : REQ3_49
- Track 584 : GMA4_17
- Track 585 : Kumao_27

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

The start number called the most often in the published annotations is 33, it was called in 231 of the 1219 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_22, Adephagia_22, Adonis_22, Ageofdapage_22, AizenPogi_17, AlishaPH_22, Amelie_18, Amgine_20, Amohnition_21, Anaya_23, Angel_17, Angelica_22, Anma_22, Annihilator_17, Antsirabe_17, Apocalypse_22, Applecrisp_20, Aroostook_17, Asayake_22, Atiba_22, Avrafan_17, AzulaCat_17, BEEST_22, BGlluviae_22, BPs_17, BQuat_17, BaghaKamala_22, Barkley26_17, BarrelRoll_22, Beezoo_22, Bella96_22, Belladonna_22, Bern_22, Biglebops_18, Blizzard_22, Bobquesha_24, Boiii_22, BruceB_17, Bryler_21, CLED96_17, CREW_22, Cain_21, CallaLilly_22, Camri_17, Capricorn_22, CaseJules_22, CassieYates_17, Cedasite_17, Chance64_17, Chancellor_23, Chavito_22, CheetoDust_22, Cheetobro_23, Cherrybomb426_17, Chris_21, Clipper_22, Cloudyecho_17, Coleslaw_17, Crespo_17, CrimD_22, Curiosium_23, DMoney_17, DNAIII_0017, Dalmuri_22, DanSyl44_24, Darionha_17, DartGoblin_22, DarthP_21, Dartin_22, Deby_22, Devera_22, DingDing_17, Dole_22, DrHayes_22, Durfee_22, ECartman_17, Efra2_22, Ekdilam_19, Ellie_19, Emerson_22, Enkosi_18, Eponine_23, Fefferhead_21, Fionnbharth_23, Frosty24_17, Ganymede_23, Geraldini_22, Gideon_17, GodSpeed_18, GoldenAsh_17, Gomashi_17, Grizzly_17, Guanica15_22, Halo_17, Hammy_21, HedwigODU_22, Homura_22, Hope_17, Hotshotbaby7_17, Hurricane_21, Hyperbowlee_22, Illumine_22, Inky_22, JAWS_22, JF1_23, Jane_17, Jarvi_22, Jayhawk_22, Jeckyll_22, Jeilious_17, Jolene_17, Jolie2_17, Jonghyun_17, JorRay_17, Joy99_22, Juliette_23, Kareem_17, Kasen3_17, Keshu_21, KiSi_21, Kraw_23, Krueger_21, LastHope_22, LaterM_22, Lavahound_20, LeMond_21, Lea83_21, Lebo14_23, Lemuria_17, Liefie_17, LilPharaoh_18, LindNT_22, Llorens_22, LouisV14_17, Lunahalos_22, MOOREtheMARYer_17, MacKat_22, MacnCheese_22, Maliketh_17, Malthus_24, MarkPhew_22, Marmie_17, Marshawn_23, McMater_22, Mdavu_18, MeaningOfLife_22, Megsy_22, Mercurio_18, MissDaisy_23, Mitti_23, Mowgli_17, Murucutumbu_22, Mynx_22, Neoh_17, Nibb_21, Nikao_18, Niklas_22, November_20, Nutello_18, OctaviousRex_17, Olga_17, OmniCritical_23, Oscar_21, Padfoot_22, Padpat_22, Paito_17, Patt_23, Peanam_22, Peeb_17, Peel_22, Periodt_17, Pharb_21, PhelpsODU_21, Phish_17, Phloodle_17, Phrank_21, Phreak_17, Piatt_22, PinkYoshi_17, Pinnie_18, Pisa1_21, Pisa4_21, Pixie_21, Plagueis_17, Pokerus_21, Prithvi_22, QuincyRose_21, Rabbs_17, Ramen_22, Rapunzel97_22, Rattrick_17, Remy19_17, Renaissance_17, Reptar3000_23, Richarlison_17, Richo_22, Rosmarinus_22, Ruriko_17, Ruthiejr_22, SamScheppers_21, SamuelLPlagson_22, Scarlett_21, Schiebel_17, SgtBeansprout_18, ShaboiShabazz_17, Shadow1_20, Shaobing_22, ShedlockHolmes_21, ShiaSurprise_22, SirPhilip_21, Sizemore_17, Slarp_23, Slimphazie_22, Sneeze_17, Spock_22, Stargaze_17, Stinson_22, Sulley_22, Sunflower1121_20, Sweets_17, Syra333_21, TBond007_21, TClif_21, Tachez_22, Taheera_17, TaiwanKao_23, Taquito_21, Teejan_18, Terror_17, Tierra_21, Tigress9_22, TinaBug_17, TingHuaYa_22, TiniBug_22, Tiri_22, TomBrady_17, Topper_22, Torres_18, TreyKay_22, TribbleTrouble_20, Trice_18, TruffulaTree_22, Twitch_22, Unicorn_21, Urkel_22, Validus_22, Veliki_22, Wendigo_17, Wintermute_23, Ximenita_22, Y10_23, Y2_23, YangYin_17, YasnayaPolyana_23,

YoureAdopted_21, Yuna_22, Yunkel11_22, Zabiza_22, Zavala_22, ZoMa_17, Zombie_17,

Genes that have the "Most Annotated" start but do not call it:

- FlagStaff_17, Pace1224_17,

Genes that do not have the "Most Annotated" start:

- 20ES_27, 32HC_25, 40AC_30, 8UZL_20, AN3_27, AN9_30, ANI8_30, APunk_35, Abblin_34, AbbyPaige_29, Abscondus_46, Acolyte_27, Acquire49_17, Adzzy_28, Aegeus_17, Affeca_32, Agape74_29, Agatha_17, Agent47_20, AgentM_23, AikoCarson_16, Ailee_32, Airmid_23, Alatin_22, Aleemily_18, Ali17_30, Aliter_28, AlleyCat_20, Alma_28, Alpados_21, Aminay_20, Amochick_21, Amok_16, Amymech_21, Anaysia_29, AndPeggy_16, Aneem_27, Angelicage_32, Angelique_19, AngryOrchard_21, AnnaL29_30, Anon_27, Anselm_27, Anthony_26, Aphelion_47, Apiary_44, AppleCloud_20, Applejacks_17, Appletree2_17, Apricot_18, Aragog_23, ArcherNM_29, Archetta_23, ArchiDore_18, Archie_17, Archimedes_15, Archis_19, Arianna_18, Arissanae_26, Arri_33, Artemis2UCLA_30, Arti_40, Asapag_19, Ashertheman_34, Astro_23, AuntGwenStacy_23, Auspice_27, AvadaKedavra_17, Avani_18, Avocado_17, Axym_17, Ayanochan_29, Ayotoya_21, Azira_19, Aziz_31, Azula_20, BABullseye_30, BBQValindra_18, BENtherdunthat_19, BabyBack_29, BabyMoney_20, Bachita_49, Bachome_27, BackstagePass_18, Bactobuster_28, Baddon_33, Baehexic_28, Bakery_31, Balloona_16, BananenDer11_20, Banquo_25, Bantam_29, Baoshan_16, Barb_32, Barco_18, Barsten_34, Battleship_30, Baudelaire_17, Baumdotcom_33, Bavidard_17, Bazzle_17, BearBQ_18, BeeGee_19, Beelzebub_53, Beemo_28, Begonia_19, Belenaria_22, Bellis_18, Bellris_25, Belphegor_32, Benedict_23, BengiVuitton_28, BennyP_30, Benvolio_27, Bernal13_18, BetterKatz_21, BiPauneto_43, BiancaTri92_29, Bibwit_33, BigCheese_17, BigChungus_16, BigHunkinEater_36, BillDoor_19, Bipper_23, Birdsong_18, Biskit_18, Bizzy_34, Blackbeetle_49, Blarby_19, BlessJoy_30, BlingBling_18, Blinn1_30, Blino_18, Blondies_18, BloominB_21, Blue7_30, BlueNGold_99, Blueberry_20, Bluefalcon_22, BobBob_31, BobSwaget_30, BobbyDazzler_22, BobsGarage_17, Bock_21, BogosyJay_28, Boilgate_19, Bonamassa_23, Bonanza_22, Bongo_27, Bonum_43, Boohoo_29, Boopy_100, BoostSeason_18, BotCity_19, BourbonZero_17, Bowser_18, Bowtie_27, Bradissa_19, Bradman_26, Bradshaw_22, BrainDrainer_18, BrandonK123_35, Braxoaddie_44, Breezona_17, Bricole_27, BritBrat_19, Bromden_18, BrutonGaster_35, Bryce_22, Brylie_21, Bubble_17, Bud_27, Budski_19, Buggaboo_41, Bugsy_29, Bunker_18, Burnsey_17, Button_18, Buttrmlkdreams_17, C3PO_30, C3_25, CRB1_27, Cafasso_18, Caitlin_22, Calm_17, Cambiare_18, Candra_30, CanesSauce_17, Caprice_46, CaptainKirk2_18, CaramellLatte_17, Caraxes_26, Cardigan_46, CarolAnn_18, Carsonalex_18, Cashline_19, Catalina_28, Catfish_21, Celestialunch_27, Centaur_29, ChadMasterC_34, Chadwick_24, Changeling_29, Chargerpower_27, Charm_27, Charming_34, Chartreuse_30, Chaser_17, Che12_29, Che9d_18, CheeseSpider_21, CheeseTouch_19, CherryCola_34, CherryonLim_18, ChewyVIII_55, Chickadee_31, ChickenTender_19, ChipMunk_29, ChocoMunchkin_17, Chop_21, ChutneyChips_16, CicholasNage_17, ClamChowder_32, Clarkson_50, Claus_17, Clautastrophe_18, Cleo_17, CloudWang3_30, Clown_34, ClubL_47, CocoaPuff_16, CoffeeBean_44, CogOmlette_25, Colin_31, Collard_20, Colleen_18, Colossa_19, Commandaria_42, Confidence_19, Conquerage_28, Conspiracy_23, Coog_23, Cookiedough_30, Corazon_47, Coriander_18, CosmicSans_22, CoveyB_32, Cozz_17, Cracklewink_23, Crater_17, Crossroads_17, Crucio_27, Cruella_30, Cuco_23, Cucurbita_49, Culver_47, D29_27, D32_30, DBQu4n_30, DHan_17, DS6A_20, DaVinci_30,

Dadosky_20, Daegal_22, Dalilpop_45, Dalmatian_27, DanBing_16, Danforth_22, Danyall_32, Dardanus_23, Daredevil_28, Darrell_29, DarthPhader_28, Darwin_33, DatBoi_30, DeepSoil15_21, DeerParkTS_28, DekHockey33_29, DelRio_22, Delian_18, Deloris_28, Delrey21_33, Demsculpinboyz_18, Derg_29, Dewey_21, Dexdert_32, Dignity_29, Diminimus_28, Dinger_22, DinoDaryn_23, DirkDirk_17, DirtyBoi_19, Discoknowium_23, DismalFunk_18, DismalStressor_18, Dixon_23, Dmitri_18, DoctorFroggo_33, Dogfish_20, Doggs_17, DonkeyMan_17, Dorothea_30, DoubleChamp_20, Douge_17, Doughnut_18, Douzhi_17, DrSeegs_17, Drake55_29, Dre3_17, DreamTeam1_27, Dublin_22, DudeLittle_27, Dulcita_28, DumpsterDude_18, DuncansLeg_18, Duplo_30, Dusty_46, DyoEdafos_18, EMOore_30, EMsquaredA_19, EZMoney23_31, EagleEye_29, Ebony_27, Echild_27, Ecliptus_23, EdmundFerry_30, EdogawaKiddo_26, Edugator_19, Egi03_30, Eidsmoe_28, Ein37_21, ElJefes_16, ElTiger69_23, Elephantoon_28, Elinal_18, Elliott_17, Elle_27, Elison_18, Emalyn_16, EmiRose_16, Emianna_40, EmyBug_28, EnalisNailo_19, Enceladus_17, Engineer_48, Ennea_46, Epsocamisio_29, Equemioh13_29, EricB_30, Erik_22, Espica_22, Estes_32, Et2Brutus_26, Evamon_30, Evanesce_21, EvilGenius_29, Ewald_21, Expelliarmus_22, ExplosioNervosa_28, Eyes_18, FF47_20, Fairfaxidum_18, Faith1_17, Faiyaz_23, Fameo_27, Farewell_15, FarmResident_17, FatCactus_25, Fayely_28, Feastonyeet_16, FeliMaine_51, Fenry_17, Feyre_20, Fibonacci_27, Findley_18, Finemlucis_17, Finnry_18, Fireball_31, FiringLine_27, First_0027, Fitzgerald_32, Flapper_44, Flare16_27, Flatwoods_34, Flaverint_27, Float294_42, Floral_19, Florence1_23, Florence4_24, ForGetIt_23, ForesterFrank_28, Forge_21, Forza_100, Fosterous_32, Foxboro_41, Francois_21, FreakyGoo_28, Fribs8_18, Frickyeah_19, Frizzle_15, Frokostdame_18, Fryberger_52, FuegoCuervo_36, Fugax_32, Fury_49, GAL1_19, GEazy_18, GMA2_29, GMA4_17, GRU1_30, GTE2_15, GTE5_31, GTE6_31, GTE8_29, Gabriela_17, Gaea_33, Gaia_13, Gail_26, Galadriel_34, Gambino_20, Gancho_20, Garak_31, Gardann_17, GardenSalsa_31, Gattaca_48, GaugeLDP_29, Geeche_46, GenevaB15_31, Gengar_20, Geodirt_31, George_22, Georgie2_28, Getalong_20, Gezellig_30, Ghobes_15, Ghoulboy_23, GiKK_20, Gibbous_17, Gilberta_27, Giles_21, Gladiator_30, Glaske16_28, GodonK_88, Goib_22, GoldHunter_18, Gollum_22, GoongGoong_48, GrandSlam_21, Gratitude_28, Gravaiilia_21, GreedyLawyer_30, GrootJr_42, Groundhog_22, Gruunaga_30, Gspu1_19, Guacamole_18, Guey18_57, Guillsminger_20, Gustav_17, Gustavo_33, GuuelaD_17, GuyFagieri_44, HH92_21, Hadrien_21, Hafay_17, Hail_21, Halena_17, Halo3_31, Hammer_30, Hamood_21, HannahD_18, Hanray_27, Hans_34, Harlequin_22, HarryHoudini_29, Hedwig_19, Heffalump_29, Heftyboy_20, Heinz_18, Helmet_30, Herbertwm_24, Hexamo_30, Hexbug_19, Hibiscus_17, Hilltopfarm_23, HippoHollow_28, HippoPololi_19, Hiro_22, Hitter_18, Horex_27, Holliday_19, HomeFry_46, Hoot_30, Horseradish_18, HortumSL17_28, Horus_19, HubbaBubba_38, Huffy_23, HuhtaEnerson15_23, Huphlepuuff_51, Hutc2_27, IDyn_41, IPHane7_27, Ibrahim_18, IdentityCrisis_16, Indra_30, Insomnia_27, Inspectinfecti_33, InvictusManeo_20, IronMan_29, Isiphiwo_30, Itos_17, Iwokeuplikedis_28, Izel_28, JKSyngboy_31, JSwag_29, Jaan_30, Jabbawokkie_20, Jabberwocky_32, Jabiru_23, Jabith_27, Jablanski_19, JacoRen57_16, Jalamamah_20, Jambalaya_30, Jamzy_20, JasperJr_18, Jeeves_26, Jeffabunny_30, Jerm_29, Jester_22, JewelBug_30, Jiawan_27, Jifall16_39, Jobypre_18, JoeDirt_17, JoieB_50, Jojo24_17, JonJames_46, Jordennis_30, Joselito_27, JoshKayV_29, Journey13_25, Jovo_23, Jsquared_26, JuJu_18, Jubie_18, JustASigh_17, Kabluna_43, Kahlid_17, Kalpine_30, Kamaru_19, Kamashten_33, KappaFarmDelta_18, KatherineG_29, KayGee_17, Kazan_30, Keelan_50, Keitabear_34, Kenna_18, Kerberos_30, Kewpiedoll_33, Keziacharles14_26, KidneyBean_40, Kiko_19, Kimba_27, Kimchi1738_30,

KimmyK_32, Kinbote_21, KingCyrus_29, Kingsolomon_18, Kinmap_27, Kipper29_30, KirDoubleO7_16, KleverKiS_27, Klodlith_27, Koduck_27, Koko_30, Kratio_19, Krishelle_22, Kroos_34, Kropertea_17, Krypton555_18, Kudetre_26, Kumao_27, Kurt_40, Kuwabara_18, Kwekel_31, Kwobi_35, L5_27, LadyBird_27, Landor_28, Larenn_28, Larva_20, LastResort_29, Lauer_16, LeBron_17, Lennon_34, Leogania_29, Leonard_32, Leroy_19, Leston_20, Lev2_23, Leviathan_29, Lewan_17, LilDestine_17, LilHam_31, LilHazelNut_21, LilJank_27, LilSpotty_16, LilTurb_29, Lilas_19, Lilbeanie_29, Lilbit_48, Lilbunny_30, LilhomieP_26, Lilleskat_26, Lillie_22, LionsBait_28, LitninMcQueen_19, LittleCherry_23, LittleLaf_49, LiyuLake_18, Loadrie_17, Lokk_30, Lollipop1437_45, Lolly9_18, LoneWolf_28, LonelyBoi_19, Looper_30, Loser_30, Love_37, Lozinak_47, Luchador_28, Lucivia_27, Lucky10_17, Lucyedi_28, Luke_21, Lumos_18, Luna22_21, Lutum_19, Lynnae_17, Lysidious_19, MAckerman_17, MAnor_17, MScarn_19, MaCh_27, MaVan_19, Mabel_27, MacGully_49, Maco6_18, MagicMan_18, Mahdia_17, MajorMajor_26, MakCheese_19, Malachai_19, MalagasyRose_23, Malec_28, Malibo_19, Malisha_20, Maminiaina_28, Manilisa_22, Marcoliusprime_18, Mareelih_98, Margaret_20, Marietta_42, Marteenaa_19, Marvin_47, MarysWell_22, Maselop_44, Mayweather_18, McCrothy_34, McDazzle_16, McFly_30, McKinley_36, MegTheThird_26, MelBins_33, Melba_18, Mellie_17, Mendokysei_17, MerCougar_41, Meyran_20, Micasa_23, MiculUcigas_27, MicyPS_16, Midas2_23, Miko_30, Milcery_23, Miley16_17, Milly_18, MinecraftSteve_30, MiniLon_18, MiniMac_18, Minispark_25, MintFen_18, Miryou_20, Miskis_45, MissRona_20, MissWhite_27, MkaliMitinis3_17, ModicumRichard_18, Mollymur_30, Moonflower_18, MoontowerMania_33, Moostard_18, Morgana_18, Morkie_17, Morrissey_18, MortyNRick_18, MosMoris_47, MrMagoo_31, MsGreen_18, Muddy_20, Mufasa_18, Mulch_21, Mulciber_27, Munch_27, MunkgeeRoachy_17, Murp_18, Mutzi_32, Myxus_28, NaSiaTalie_27, Naca_23, Nadeem_21, NadineRae_40, Naiad_22, Nairb_18, Naji_30, Nancinator_22, NancyRae_21, Nanosmite_31, NatB6_40, Natkenzie_34, Natosaleda_22, NearlyHeadless_23, Nebkiss_14, Nebulosus_29, Nedarya_28, Neeharika16_30, Neighly_20, Nergal_21, Nette_18, Netyap_17, Neville_27, Newrala_30, Nibbles_19, Nicholas_18, Nicholasp3_17, NicoleTera_31, Nina_18, NoShow_17, Nodigi_19, Nordenberg_28, Norvs_48, NosilaM_43, NothingSpecial_29, NovoPizza_19, NovumRegina_40, Nubi_30, Nyceirae_22, OBUpride_21, ODay_23, ObLaDi_18, Obliviate_17, Octobien14_27, Odin_26, OhShagHennessy_17, OkiRoe_20, Omnicron_20, OneUp_41, Onglai_27, Oofda_29, Opie_18, Orange_27, Orla_19, Outis_41, OverPar_17, P1201_46, P3MA_17, PCoral7_18, PP_36, PSonyx_16, PYPDinur_17, PackMan_28, PainterBoy_28, Paola_20, Parada_21, Paries_36, Partridge_22, Patio_43, PegLeg_27, Pemberton_44, Periwinkle_21, Petersenfast_26, PeteyPab_32, Petra_20, PetterN_24, Ph8s_28, Phabuloso_19, Phaded_30, Phaeder_28, PhailMary_21, Pharaoh_27, Phauci_25, Phendrix_86, Phillis_23, Phinally_32, PhinkBoden_47, Phishy_21, Phistory_20, Phlei_22, Phlop_30, Phlorence_23, Phomeo_39, Phonnegut_28, PhorbesPhlower_17, Phrankensteen_22, PhrostedPhlake_19, PickleBack_23, Pimento_22, PinkCoffee_32, Pioneer_28, Pipp_18, Piro94_28, Pleakley_49, Pmask_30, Poise_49, Pollux_19, Polyphemus_30, Polyuyuki_44, Pomar16_30, Pons_17, Poochiewood_17, Portcullis_30, Posh_19, PotPie_17, PotatoChip_33, Poushou_18, Power_27, Priamo_30, Prinashe11_24, PrincePatrick_18, Pringar_49, Priya_28, Prudy_29, PsychoKiller_17, Psycho_20, Pukovnik_29, PullumCavea_30, Pumpkiney_35, Puppies_17, Pytheas_19, Qobbit_28, Quasar_17, Quby_17, QueenB2_27, QueenBeesly_27, Quokka_25, RADical_18, REQ2_19, REQ3_49, RER2_15, RGL3_15, RSchmailzl_18, Rabbitrun_29, Rachaly_30, Raela_49, Rahalelujah_26, RanchParmCat_20, Rando14_20, Rasputin_22, Ravana_30, RayTheFireFly_18, ReMo_29, Red305_18,

RedBaron_18, RedRaider77_49, RedRaider_47, RedRock_30, Refuge_30, Reindeer_25, Rem711_24, Remus_29, Retro23_27, RexFury_22, Rey_31, Reyja_18, Rhodalya_22, Ribeye_34, Rifter_30, RiverRaider_34, RoadKill_29, Roary_23, Rofo_34, RogerDodger_33, Roksolana_30, RonRayGun_18, Ronaldo_55, Rosalind_29, Rose5_17, RoseMarie_27, Rossetti_17, Rumpelstiltskin_17, Ruthy_18, RyeScarlet_29, Sachima_26, Saintus_23, Salvador_30, Salz_27, Samba_18, Sampson_34, Samty_18, Sanjuju_32, Santhid_17, Sapo_15, Saronaya_33, Sarshaun_17, Saskia_26, Savbucketdawg_30, Scherzo_28, Schmidt_19, Schnabeltier_18, SchottB_32, Scioto_34, Scorpia_24, Scuba_49, Sedona_34, SemperFi_29, Sephiroth_27, Serenity_26, Sham4_27, ShawBrad_19, ShayRa_30, SheaKeira_27, SheckWes_16, Sheng711_17, Shinji_30, Shivanishola_35, Shuman_22, SilverChicken_18, Silverleaf_17, Sitar_34, Sixama_98, SketchMex_16, Skinny_28, Sknot_27, Skysand_42, Sleepyhead_17, SlimJimmy_26, Smeadley_23, Smeagan_29, SmellyB_30, SmokingBunny_30, Smoothie_48, SnapTap_27, Snape_27, Snenia_18, SoJulia_17, SoSeph_20, Soap141_17, Socotra_18, Sopespian_17, SororFago_26, Soul22_18, Soups_29, Sparky_15, SpeedDemon_310, Splinter_21, Spooky_19, Spouty_28, Sprinklemunch_17, Squiddly_21, StCroix_22, StarStruck_41, StarStuff_30, Starburst_18, SteamedHams_19, Steamy_28, Stellammi_15, Stephig9_23, Stickynote_32, StorminNorm_33, Strobilo_18, Strosahl_29, Stultus_32, Sukkupi_42, SummitAcademy_16, Sunhee_25, SuperAwesome_30, SuperCallie99_30, SuperSulley_41, Superchunk_26, Survivors_19, Swann_22, SweatNTears_19, SweetiePie_27, SwirlSquare_29, Swirley_23, Switzerland_29, SydNat_23, Syleon_27, TM4_18, TPA4_18, TWAMP_22, TZGordon_23, Tailonex_23, Takoda_22, Tangent_34, Tangerine_33, Tardus_35, TaronosaurusRx_18, TarsusIV_27, Tarynearal_22, Tarzan_17, Temprado_30, Terrific_31, Tesla_48, Theia_21, Thing3_33, Thyatira_20, Tiamoceli_32, Tiger_23, TillyBobJoe_30, Timothy_27, TinaLin_24, TinyTimmy_27, TipsytheTRex_26, Toaka_26, Toast_18, Togo_30, Tolls_19, Tomathan_30, ToneTone_28, Toniann_47, TouchMeNot_18, Tourach_17, Towmatter_27, TpudiCK_28, Tracker_40, Travvers_30, Trax_27, TriFive_18, Trine_17, Tristan_28, Trixie_30, Troje_17, Trooper_27, Tubs_28, Tucker_30, Turbido_29, Turuncu_44, Twigg_23, Twister6_32, Twonlo_29, TyDawg_27, Tycho_33, Typha_23, Typhonomachy_17, Tyson_17, UPIE_17, Ubuntu_21, Ugenie5_25, UhSalsa_22, UmaThurman_18, Underpass_17, UnionJack_23, Updawg_29, Upyo_17, Utz_18, VA6_27, VC3_30, Valary_33, VanDeWege_33, VanLee_19, Vanisoa_26, VasuNzinga_49, Vendetta_21, Verity_33, Vetrix_17, ViaConlectus_34, Vine_18, Vivi2_36, ViviJ_19, VohminGhazi_30, Volt_54, Vordorf_21, WST1_16, Waits_29, Walrus_19, Wamburgxpress_17, Warrior24_29, Waterfoul_20, Webster2_21, WeiHuaDA_33, Weirdo19_18, Whabigail7_29, Whack_17, WheatThin_21, Wheezy_40, Whirlwind_19, Whitney_20, Whitty_18, WhoseManz_42, WideWale_29, Widow_17, Wigglewiggles_17, Wiks_30, Wilder_17, WilliamBoone_47, William_18, Winky_17, Wishmaker_21, Wisp_17, Wizard_30, Wocket_19, Wolfwood_21, Wolpertinger_26, WorldCup_25, Wrigley_19, WunderPhul_30, Wyatt2_17, XianYue_27, Yakult_18, Yarn_16, Yecey3_27, Yndexa_42, Yogi_22, Yokurt_30, Yoncess_22, YorkOnyx_34, Yoshi_18, Yucky_17, Yummy_18, YungMoney_32, Yvonnetastic_44, ZAYM_18, Zaka_30, Zakai_17, Zapner_19, Zarbodnamra_18, Zareef_19, Zaria_17, ZenTime222_18, ZhongYanYuan_16, ZiggyZoo_17, Ziko_55, Zilla_18, Zimmer_29, Zion_33, Zipp_33, Zitch_35, Zodiariah_17, ZoeJ_18, Zolita_22, Zulu_30,

Summary by start number:

Start 22:

- Found in 2 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_16 (AJ), WST1_16 (AJ),

Start 25:

- Found in 4 of 1418 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 50.0% of time when present
- Phage (with cluster) where this start called: FlagStaff_17 (G2), Pace1224_17 (G2),

Start 29:

- Found in 3 of 1418 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Boilgate_19 (K8),

Start 30:

- Found in 1 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_20 (K7),

Start 33:

- Found in 263 of 1418 (18.5%) of genes in pham
- Manual Annotations of this start: 231 of 1219
- Called 99.2% of time when present
- Phage (with cluster) where this start called: ActinUp_22 (K1), Adephagia_22 (K1), Adonis_22 (K1), Ageofdapage_22 (K1), AizenPogi_17 (G1), AlishaPH_22 (K1), Amelie_18 (K1), Amgine_20 (K6), Amohnition_21 (K6), Anaya_23 (K1), Angel_17 (G1), Angelica_22 (K1), Anna_22 (K1), Annihilator_17 (G1), Antsirabe_17 (G5), Apocalypse_22 (K1), Applecrisp_20 (K6), Aroostook_17 (G1), Asayake_22 (K1), Atiba_22 (K1), Avrafan_17 (G1), AzulaCat_17 (G1), BEEST_22 (K1), BGlluviae_22 (K1), BPs_17 (G1), BQuat_17 (G1), BaghaKamala_22 (K1), Barkley26_17 (G1), BarrelRoll_22 (K1), Beezoo_22 (K1), Bella96_22 (K1), Belladonna_22 (K1), Bern_22 (K1), Binglebops_18 (K1), Blizzard_22 (K1), Bobquesha_24 (K4), Boiii_22 (K1), BruceB_17 (G1), Bryler_21 (K6), CLED96_17 (G1), CREW_22 (K1), Cain_21 (K6), CallaLilly_22 (K1), Camri_17 (G1), Capricorn_22 (K1), CaseJules_22 (K1), CassieYates_17 (G1), Cedasite_17 (G1), Chance64_17 (G1), Chancellor_23 (K4), Chavito_22 (K1), CheetoDust_22 (K1), Cheetobro_23 (K4), Cherrybomb426_17 (G1), Chris_21 (K1), Clipper_22 (K1), Cloudyecho_17 (G3), Coleslaw_17 (G1), Crespo_17 (G1), CrimD_22 (K1), Curiosium_23 (K1), DMoney_17 (G1), DNAIII_0017 (G1), Dalmuri_22 (K1), DanSyl44_24 (K4), Darionha_17 (G1), DartGoblin_22 (K1), DarthP_21 (K6), Dartin_22 (K1), Deby_22 (K1), Devera_22 (K1), DingDing_17 (G1), Dole_22 (K1), DrHayes_22 (K1), Durfee_22 (K1), ECartman_17 (G1), Efra2_22 (K1), Ekdilam_19 (K6), Ellie_19 (K6), Emerson_22 (K1), Enkosi_18 (K1), Eponine_23 (K4), Fefferhead_21 (K6), Fionnbharth_23 (K4), Frosty24_17 (G1), Ganymede_23 (K1), Geraldini_22 (K1), Gideon_17 (G1), GodSpeed_18 (G2), GoldenAsh_17 (G1), Gomashi_17 (G1), Grizzly_17 (G1), Guanica15_22 (K1), Halo_17 (G1), Hammy_21 (K6), HedwigODU_22 (K1), Homura_22 (K1), Hope_17 (G1), Hotshotbaby7_17 (G1), Hurricane_21 (K3), Hyperbowlee_22 (K1), Illumine_22 (K1), Inky_22 (K1), JAWS_22 (K1), JF1_23 (K4), Jane_17 (G1), Jarvi_22 (K1), Jayhawk_22 (K1), Jeckyll_22 (K1), Jeilious_17 (G), Jolene_17 (G1), Jolie2_17 (G4), Jonghyun_17 (G1), JorRay_17 (G1),

Joy99_22 (K1), Juliette_23 (K4), Kareem_17 (G1), Kasen3_17 (G1), Keshu_21 (K3), KiSi_21 (K1), Kraw_23 (K4), Krueger_21 (K6), LastHope_22 (K1), LaterM_22 (K1), LavaHound_20 (K6), LeMond_21 (K1), Lea83_21 (K3), Lebo14_23 (K4), Lemuria_17 (G4), Liefie_17 (G1), LilPharaoh_18 (K1), LindNT_22 (K1), Llorens_22 (K1), LouisV14_17 (G1), Lunahalos_22 (K1), MOOREtheMARYer_17 (G3), MacKat_22 (K1), MacnCheese_22 (K3), Maliketh_17 (G1), Malthus_24 (K4), MarkPhew_22 (K1), Marmie_17 (G1), Marshawn_23 (K6), McMater_22 (K1), Mdavu_18 (K1), MeaningOfLife_22 (K1), Megsy_22 (K1), Mercurio_18 (G4), MissDaisy_23 (K4), Mitti_23 (K4), Mowgli_17 (G1), Murucutumbu_22 (K1), Mynx_22 (K1), Neoh_17 (G), Nibb_21 (K1), Nikao_18 (K1), Niklas_22 (K1), November_20 (K6), Nutello_18 (K1), OctaviousRex_17 (G1), Olga_17 (G1), OmniCritical_23 (K4), Oscar_21 (K1), Padfoot_22 (K1), Padpat_22 (K1), Paito_17 (G1), Patt_23 (K4), Peanam_22 (K1), Peeb_17 (G1), Peel_22 (K1), Periodt_17 (G1), Pharb_21 (K3), PhelpsODU_21 (K6), Phish_17 (G1), Phloodle_17 (G1), Phrank_21 (K6), Phreak_17 (G1), Piatt_22 (K1), PinkYoshi_17 (G1), Pinnie_18 (G3), Pisa1_21 (K1), Pisa4_21 (K1), Pixie_21 (K3), Plagueis_17 (G1), Pokerus_21 (K1), Prithvi_22 (K1), QuincyRose_21 (K1), Rabbs_17 (G1), Ramen_22 (K1), Rapunzel97_22 (K1), Rattrick_17 (G1), Remy19_17 (G1), Renaissance_17 (G1), Reptar3000_23 (K4), Richarlison_17 (G1), Richo_22 (K1), Rosmarinus_22 (K1), Ruriko_17 (G1), Ruthiejr_22 (K4), SamScheppers_21 (K4), SamuelLPlaqson_22 (K1), Scarlett_21 (K1), Schiebel_17 (G1), SgtBeansprout_18 (K1), ShaboiShabazz_17 (G1), Shadow1_20 (K6), Shaobing_22 (K1), ShedlockHolmes_21 (K3), ShiaSurprise_22 (K1), SirPhilip_21 (K6), Sizemore_17 (G1), Slarp_23 (K4), Slimphazie_22 (K1), Sneeze_17 (G1), Spock_22 (K1), Stargaze_17 (G5), Stinson_22 (K1), Sulley_22 (K1), Sunflower1121_20 (K6), Sweets_17 (G1), Syra333_21 (K6), TBond007_21 (K3), TClif_21 (K6), Tachez_22 (K1), Taheera_17 (G1), TaiwanKao_23 (K1), Taquito_21 (K4), Teejan_18 (K1), Terror_17 (G1), Tierra_21 (K6), Tigress9_22 (K6), TinaBug_17 (G1), TingHuaYa_22 (K1), TiniBug_22 (K1), Tiri_22 (K1), TomBrady_17 (G1), Topper_22 (K1), Torres_18 (K1), TreyKay_22 (K1), TribleTrouble_20 (K3), Trice_18 (K1), TruffulaTree_22 (K1), Twitch_22 (K1), Unicorn_21 (K6), Urkel_22 (K1), Validus_22 (K1), Veliki_22 (K1), Wendigo_17 (G1), Wintermute_23 (K4), Ximenita_22 (K6), Y10_23 (K4), Y2_23 (K4), YangYin_17 (G5), YasnayaPolyana_23 (K4), YoureAdopted_21 (K1), Yuna_22 (K6), Yunkel11_22 (K1), Zabiza_22 (K1), Zavala_22 (K1), ZoMa_17 (G1), Zombie_17 (G1),

Start 34:

- Found in 2 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_17 (G2), Cambiare_18 (G2),

Start 35:

- Found in 11 of 1418 (0.8%) of genes in pham
- Manual Annotations of this start: 11 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_18 (K2), DismalFunk_18 (K2), DismalStressor_18 (K2), Doughnut_18 (K2), Findley_18 (K2), Marcoliusprime_18 (K2), Milly_18 (K2), Mufasa_18 (K2), Strobilo_18 (K2), TM4_18 (K2), ZoeJ_18 (K2),

Start 36:

- Found in 6 of 1418 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1219
- Called 100.0% of time when present

- Phage (with cluster) where this start called: 8UZL_20 (AB), FF47_20 (AB), JacoRen57_16 (AB), Maco6_18 (AB), Muddy_20 (AB), NoShow_17 (AB),

Start 37:

- Found in 27 of 1418 (1.9%) of genes in pham
- Manual Annotations of this start: 23 of 1219
- Called 96.3% of time when present
- Phage (with cluster) where this start called: Agent47_20 (K5), AlleyCat_20 (K5), BananenDer11_20 (K5), Collard_20 (K5), Dadosky_20 (K5), DoubleChamp_20 (K5), Edugator_19 (K5), Feyre_20 (K5), Gengar_20 (K5), Guillsminger_20 (K5), Heftyboy_20 (K5), InvictusManeo_20 (K5), Kratio_19 (K5), Larva_20 (K5), Leston_20 (K5), Miryou_20 (K5), Neighly_20 (K3), OkiRoe_20 (K5), Omnicron_20 (K5), Paola_20 (K5), Psycho_20 (K5), Rando14_20 (K5), SoSeph_20 (K5), Thyatira_20 (K5), ViviJ_19 (K5), Waterfoul_20 (K5),

Start 41:

- Found in 1 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_21 (AG),

Start 46:

- Found in 2 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_13 (X), Nebkiss_14 (X),

Start 48:

- Found in 2 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P3MA_17 (singleton), TPA4_18 (singleton),

Start 50:

- Found in 3 of 1418 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 33.3% of time when present
- Phage (with cluster) where this start called: MalagasyRose_23 (AG),

Start 52:

- Found in 2 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_15 (AF), Sparky_15 (AF),

Start 54:

- Found in 6 of 1418 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 1219
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Colleen_18 (EO), Poushou_18 (EO), TouchMeNot_18 (EO),

Start 56:

- Found in 4 of 1418 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Arianna_18 (EO),

Start 57:

- Found in 6 of 1418 (0.4%) of genes in pham
- Manual Annotations of this start: 5 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_23 (Y), Bipper_23 (Y), Cracklewink_23 (Y), Faiyaz_23 (Y), Hilltopfarm_23 (Y), Typha_23 (Y),

Start 58:

- Found in 1 of 1418 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sprinklemunch_17 (DW),

Start 59:

- Found in 53 of 1418 (3.7%) of genes in pham
- Manual Annotations of this start: 11 of 1219
- Called 22.6% of time when present
- Phage (with cluster) where this start called: Acquire49_17 (L1), Appletree2_17 (L1), Calm_17 (L1), CicholasNage_17 (L1), JoeDirt_17 (L1), JustASigh_17 (AH), LeBron_17 (L1), Rabbitrun_29 (DU2), UPIE_17 (L1), Weirido19_18 (AH), Wyatt2_17 (L1), Zaria_17 (L1),

Start 60:

- Found in 2 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_25 (Z), Rem711_24 (Z),

Start 61:

- Found in 3 of 1418 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Kumao_27 (singleton),

Start 63:

- Found in 9 of 1418 (0.6%) of genes in pham
- Manual Annotations of this start: 7 of 1219
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Bernal13_18 (T), Ibrahim_18 (T), Mendokysei_17 (T), Nairb_18 (T), Nette_18 (T), RonRayGun_18 (T), Whitty_18 (T), ZenTime222_18 (T),

Start 64:

- Found in 8 of 1418 (0.6%) of genes in pham
- Manual Annotations of this start: 6 of 1219
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Aleemily_18 (DZ), Cafasso_18 (DZ), Colossa_19 (KA), ModicumRichard_18 (DZ), Morgana_18 (DZ), ObLaDi_18 (DZ), Reindeer_25 (M1), VanLee_19 (KA),

Start 66:

- Found in 25 of 1418 (1.8%) of genes in pham
- Manual Annotations of this start: 21 of 1219
- Called 96.0% of time when present
- Phage (with cluster) where this start called: Auspice_27 (M1), Aziz_31 (M2), Bongo_27 (M1), Bricole_27 (M1), Diminimus_28 (M1), Dulcita_28 (M1), Estes_32 (M2), FreakyGoo_28 (M1), GardenSalsa_31 (M2), GenevaB15_31 (M2), Glaske16_28 (M1), IPhane7_27 (M1), Izel_28 (M1), KleverKiS_27 (M1), LilhomieP_26 (M1), MrMagoo_31 (M2), Nanosmite_31 (M3), PegLeg_27 (M1), Rey_31 (M2), RoseMarie_27 (M1), Skinny_28 (M1), SlimJimmy_26 (M1), TpuDiCK_28 (M1), TyDawg_27 (M1),

Start 67:

- Found in 2 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MicyPS_16 (EQ), PSonyx_16 (EQ),

Start 68:

- Found in 34 of 1418 (2.4%) of genes in pham
- Manual Annotations of this start: 28 of 1219
- Called 91.2% of time when present
- Phage (with cluster) where this start called: Amochick_21 (Q), Amymech_21 (Q), BloominB_21 (Q), Daegal_22 (Q), DeepSoil15_21 (Q), Dewey_21 (Q), Ein37_21 (Q), Evanesce_21 (Q), Forge_21 (Q), Gancho_20 (Q), Giles_21 (Q), Gravallia_21 (Q), HH92_21 (Q), Hadrien_21 (Q), Hail_21 (Q), Kinbote_21 (Q), Kudrefre_26 (DU1), LilHazelNut_21 (Q), LilJank_27 (DU2), Luke_21 (Q), Luna22_21 (Q), Neville_27 (DU2), NovoPizza_19 (Q), OBUpride_21 (Q), Octobien14_27 (DU1), Sephiroth_27 (DU1), Syleon_27 (DU1), Trax_27 (DU2), Ubuntu_21 (Q), Webster2_21 (Q), Wishmaker_21 (Q),

Start 69:

- Found in 2 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PP_36 (A7), Sunhee_25 (A14),

Start 70:

- Found in 122 of 1418 (8.6%) of genes in pham
- Manual Annotations of this start: 85 of 1219
- Called 90.2% of time when present
- Phage (with cluster) where this start called: Aegeus_17 (L5), Archie_17 (L2), AvadaKedavra_17 (L1), Baoshan_16 (L2), Baudelaire_17 (L5), Bazzle_17 (L2), Beelzebub_53 (S), Bellis_18 (L3), BigCheese_17 (L2), Blackbeetle_49 (S), BobsGarage_17 (L2), BourbonZero_17 (L3), BrainDrainer_18 (L4), Breezona_17 (L2), Bromden_18 (L4), Caprice_46 (S), Chaser_17 (L4), Clarkson_50 (S), Claus_17 (L2), Clautastrophe_18 (L3), Corazon_47 (S), Crossroads_17 (L2), DHan_17 (L2), DanBing_16 (L2), DirkDirk_17 (L1), Douge_17 (L4), Douzhi_17 (L4), DrSeegs_17 (L2), DuncansLeg_18 (L3), DyoEdafos_18 (L4), Ellson_18 (L3), Enceladus_17 (L1),

Faith1_17 (L2), FarmResident_17 (L4), FeliMaine_51 (S), Finemlucis_17 (L2), Finnry_18 (L3), Gabriela_17 (L2), Gardann_17 (L2), Gattaca_48 (S), GoongGoong_48 (S), GuuelaD_17 (L2), Hafay_17 (L2), Halena_17 (L1), Huphlepuuff_51 (S), Itos_17 (L2), Jobypre_18 (L3), JoieB_50 (S), Jubie_18 (L3), Kahlid_17 (L2), Kingsolomon_18 (L3), KirDoubleO7_16 (L3), Kropertea_17 (L4), Krypton555_18 (L3), Lewan_17 (L2), LilDestine_17 (L2), Lilbit_48 (S), LittleLaf_49 (S), LiyuLake_18 (L3), Loadrie_17 (L2), Lolly9_18 (L3), LoneWolf_28 (A9), Lumos_18 (L3), Lynnae_17 (L2), MAckerman_17 (L1), Marvin_47 (S), Miley16_17 (L2), MiniLon_18 (L3), MiniMac_18 (L3), MkaliMitinis3_17 (L2), Moostard_18 (L3), MosMoris_47 (S), MsGreen_18 (L3), Netyap_17 (L2), Nicholas_18 (L3), Nicholasp3_17 (L2), OhShagHennessey_17 (L1), OverPar_17 (L2), PYPDinur_17 (L4), Poise_49 (S), Poochiewood_17 (L1), Pringar_49 (S), Quby_17 (L4), Raela_49 (S), Red305_18 (L3), RedRaider77_49 (S), Rose5_17 (L1), Rossetti_17 (L2), Rumpelstiltskin_17 (L2), Samty_18 (L3), Sarshaun_17 (L2), Silverleaf_17 (L1), Snenia_18 (L3), SoJulia_17 (L2), Soap141_17 (L2), Tesla_48 (S), Tourach_17 (L2), TriFive_18 (L3), Tyson_17 (L1), Underpass_17 (L2), VasuNzinga_49 (S), Vetrix_17 (L2), Wamburggrxpress_17 (L1), Whirlwind_19 (L3), Wigglewiggles_17 (L2), Wilder_17 (L2), Winky_17 (L2), Zakai_17 (L2), ZhongYanYuan_16 (L2), Zodiariah_17 (DW),

Start 71:

- Found in 271 of 1418 (19.1%) of genes in pham
- Manual Annotations of this start: 224 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 20ES_27 (A2), 40AC_30 (A17), AN3_27 (A2), AN9_30 (A2), ANI8_30 (A2), AbbyPaige_29 (A2), Acolyte_27 (A2), Adzzy_28 (A2), Agape74_29 (A2), Aliter_28 (A9), Alma_28 (A9), Aneem_27 (A11), AnnaL29_30 (A2), Anselm_27 (A2), Anthony_26 (A20), ArcherNM_29 (A2), Arissanae_26 (A9), Artemis2UCLA_30 (A6), Ayanochan_29 (A9), BABullseye_30 (A6), BabyBack_29 (A2), Bachome_27 (A11), Bactobuster_28 (A2), Baehexic_28 (A2), Beemo_28 (A9), Bellris_25 (A9), BengiVuitton_28 (A2), BennyP_30 (A6), Benvolio_27 (A2), BiancaTri92_29 (A2), BlessJoy_30 (A6), Blinn1_30 (A6), Blue7_30 (A6), BobSwaget_30 (A2), BogosyJay_28 (A9), Bowtie_27 (A11), Bradman_26 (A2), Bud_27 (A11), Bugsy_29 (A2), C3_25 (A2), CRB1_27 (A2), Candra_30 (A6), Caraxes_26 (A2), Catalina_28 (A9), Celestiallunch_27 (A9), Centaur_29 (A2), Changeling_29 (A2), Chargerpower_27 (A22), Charm_27 (A9), Chartreuse_30 (A6), Che12_29 (A2), ChipMunk_29 (A2), CloudWang3_30 (A6), CogOmlette_25 (A9), Colin_31 (A2), Conquerage_28 (A9), Cookiedough_30 (A6), Crucio_27 (A2), D29_27 (A2), D32_30 (A2), DBQu4n_30 (A2), DaVinci_30 (A6), Dalmatian_27 (A2), Darrell_29 (A9), DARTHPhader_28 (A12), DeerParkTS_28 (A2), Deloris_28 (A2), Dignity_29 (A2), Dorothea_30 (A6), Drake55_29 (A2), DreamTeam1_27 (A9), DudeLittle_27 (A2), Duplo_30 (A2), EZMoney23_31 (A2), EagleEye_29 (A16), Ebony_27 (A11), Echid_27 (A2), EdogawaKiddo_26 (A9), Eidsmoe_28 (A9), Elephantoon_28 (A9), EmyBug_28 (A9), Equemioh13_29 (A2), EricB_30 (A6), Et2Brutus_26 (A11), EvilGenius_29 (A2), ExplosioNervosa_28 (A9), Fameo_27 (A2), FatCactus_25 (A20), Fayely_28 (A9), Fibonacci_27 (A11), FiringLine_27 (A2), First_0027 (A2), Flare16_27 (A2), Flaverint_27 (A11), ForesterFrank_28 (A2), Gail_26 (A14), Garak_31 (A6), GaugeLDP_29 (A2), Georgie2_28 (A2), Gilberta_27 (A11), Gladiator_30 (A6), Gratitude_28 (A2), GreedyLawyer_30 (A6), Gruunaga_30 (A6), Hammer_30 (A6), Hanray_27 (A9), HarryHoudini_29 (A2), Heffalump_29 (A2), Helmet_30 (A6), Herbertwm_24 (A2), Hexamo_30 (A6), HippoHollow_28 (A2), Horex_27 (A9), Hoot_30 (A6), HortumSL17_28 (A9), Hutc2_27 (A11), Indra_30 (A6), Insomnia_27 (A11), IronMan_29 (A2), Isiphiwo_30 (A6), Iwokeuplieddis_28 (A2), Jaan_30 (A2), Jabith_27 (A11), Jeeves_26 (A14), Jeffabunny_30 (A6), Jerm_29 (A2),

JewelBug_30 (A6), Jiawan_27 (A9), Jordennis_30 (A6), Joselito_27 (A11), JoshKayV_29 (A2), Journey13_25 (A2), Jsquared_26 (A2), Kalpine_30 (A2), Kazan_30 (A6), Kerberos_30 (A2), Keziacharles14_26 (A9), Kimba_27 (A11), KingCyrus_29 (A2), Kinmap_27 (A21), Kipper29_30 (A6), Klodlith_27 (A9), Koduck_27 (A2), Koko_30 (A6), L5_27 (A2), LadyBird_27 (A2), Landor_28 (A2), Larenn_28 (A2), Leogania_29 (A2), Leviathan_29 (A2), LilTurb_29 (A2), Lilbunny_30 (A6), Lilleskat_26 (A9), LionsBait_28 (A2), Lokk_30 (A2), Loser_30 (A2), Luchador_28 (A14), Lucivia_27 (A11), Lucyedi_28 (A16), MaCh_27 (A11), Mabel_27 (A11), MajorMajor_26 (A2), Malec_28 (A2), Maminiaina_28 (A9), McFly_30 (A6), MegTheThird_26 (A9), MiculUcigas_27 (A2), Miko_30 (A2), Minispark_25 (A9), MissWhite_27 (A2), Mulciber_27 (A11), Munch_27 (A11), Myxus_28 (A9), NaSiaTalie_27 (A2), Naji_30 (A2), Neeharika16_30 (A6), Newrala_30 (A6), NicoleTera_31 (A2), NothingSpecial_29 (A2), Odin_26 (A2), Onglai_27 (A9), Orange_27 (A11), PackMan_28 (A9), PainterBoy_28 (A16), Petersenfast_26 (A11), Ph8s_28 (A2), Phaded_30 (A2), Phaeder_28 (A9), Pharaoh_27 (A12), Phlei_22 (A13), Phonnegut_28 (A9), Pioneer_28 (A9), Piro94_28 (A2), Pmask_30 (A6), Polyphemus_30 (A6), Pomar16_30 (A2), Power_27 (A2), Priamo_30 (A6), Priya_28 (A9), Prudy_29 (A2), Pukovnik_29 (A2), Qobbit_28 (A9), QueenB2_27 (A2), QueenBeesly_27 (A2), Quokka_25 (A2), Rachaly_30 (A2), Rahalelujah_26 (A9), RedRock_30 (A2), Refuge_30 (A12), Retro23_27 (A2), Rifter_30 (A6), Roksolana_30 (A6), RyeScarlet_29 (A9), Sachima_26 (A9), Salz_27 (A11), Saskia_26 (A11), Scherzo_28 (A9), SemperFi_29 (A2), Serenity_26 (A2), Sham4_27 (A11), SheaKeira_27 (A9), Sknot_27 (A2), Sleepyhead_17 (singleton), Smeagan_29 (A2), SmellyB_30 (A6), SnapTap_27 (A2), Snape_27 (A11), SororFago_26 (A14), Spouty_28 (A9), StarStuff_30 (A2), Steamy_28 (A12), SuperAwesome_30 (A6), SuperCallie99_30 (A6), Superchunk_26 (A2), SweetiePie_27 (A2), SwirlSquare_29 (A2), TarsusIV_27 (A2), Temprado_30 (A6), Terrific_31 (A2), Timothy_27 (A11), TinyTimmy_27 (A11), TipsytheTRex_26 (A2), Toaka_26 (A9), Tomathan_30 (A2), ToneTone_28 (A6), Travvers_30 (A2), Tristan_28 (A2), Trixie_30 (A2), Trooper_27 (A2), Tubs_28 (A9), Tucker_30 (A6), Turbido_29 (A2), Ugenie5_25 (A9), Updawg_29 (A2), VA6_27 (A2), VC3_30 (A2), Vanisoa_26 (A9), VohminGhazi_30 (A6), WeiHuaDA_33 (A2), Whabigail7_29 (A2), WideWale_29 (A2), Wiks_30 (A6), Wolpertinger_26 (A11), WorldCup_25 (A9), WunderPhul_30 (A6), XianYue_27 (A2), Yecey3_27 (A9), Yokurt_30 (A6), Zaka_30 (A6), Zimmer_29 (A12), Zulu_30 (A6),

Start 73:

- Found in 4 of 1418 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Nedarya_28 (A15), REQ3_49 (singleton),

Start 74:

- Found in 24 of 1418 (1.7%) of genes in pham
- Manual Annotations of this start: 22 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anaysia_29 (A15), Anon_27 (A15), Battleship_30 (A15), Boohoo_29 (A15), DekHockey33_29 (A15), Elle_27 (A15), Epsocamisio_29 (A15), JSwag_29 (A15), KatherineG_29 (A15), LastResort_29 (A15), Looper_30 (A15), MinecraftSteve_30 (A15), Nebulosus_29 (A15), Oofda_29 (A15), Ravana_30 (A15), ReMo_29 (A15), Remus_29 (A15), Rosalind_29 (A15), ShayRa_30 (A15), Soups_29 (A15), Strosahl_29 (A15), Switzerland_29 (A15), Waits_29 (A15), Warrior24_29 (A15),

Start 76:

- Found in 19 of 1418 (1.3%) of genes in pham
- Manual Annotations of this start: 18 of 1219
- Called 94.7% of time when present
- Phage (with cluster) where this start called: ArchiDore_18 (DW), Ayotoya_21 (DI), BetterKatz_21 (DI), Bock_21 (DI), Brylie_21 (DI), Chop_21 (DI), DelRio_22 (DI), DumpsterDude_18 (DW), Francois_21 (DI), GrandSlam_21 (DI), Hamood_21 (DI), Mulch_21 (DI), Nadeem_21 (DI), NancyRae_21 (DI), Parada_21 (DI), Pimento_22 (DI), Ruthy_18 (DW), WheatThin_21 (DI),

Start 77:

- Found in 3 of 1418 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: MakCheese_19 (DW),

Start 78:

- Found in 94 of 1418 (6.6%) of genes in pham
- Manual Annotations of this start: 85 of 1219
- Called 98.9% of time when present
- Phage (with cluster) where this start called: AgentM_23 (A5), Airmid_23 (A5), Alatin_22 (CA), Alpacados_21 (CA), AngryOrchard_21 (CA), AppleCloud_20 (CA), Aragog_23 (A5), Archetta_23 (A5), Astro_23 (A8), Belenaria_22 (CA), Benedict_23 (A5), Bluefalcon_22 (A5), BobbyDazzler_22 (CA), Bonamassa_23 (A5), Bonanza_22 (CA), Bradshaw_22 (CA), Bryce_22 (CA), Caitlin_22 (A8), Chadwick_24 (A5), Conspiracy_23 (A5), Coog_23 (A5), CosmicSans_22 (CA), Cuco_23 (A5), Danforth_22 (A8), Dinger_22 (CA), Discoknowium_23 (A5), Dixon_23 (A8), Dublin_22 (A5), ElTiger69_23 (A5), Erik_22 (CA), Espica_22 (CA), Expelliarmus_22 (A8), Florence1_23 (A5), Florence4_24 (A5), ForGetIt_23 (A5), George_22 (A5), Ghouboy_23 (A5), Gollum_22 (CA), Groundhog_22 (A8), Harlequin_22 (CA), Hiro_22 (CA), HuhtaEnerson15_23 (A5), Jabiru_23 (A5), Jester_22 (CA), Jovo_23 (A5), Krishelle_22 (CA), Lev2_23 (A5), Lillie_22 (CA), LittleCherry_23 (A5), MarysWell_22 (A5), Micasa_23 (A5), Midas2_23 (A5), Milcery_23 (A5), Naca_23 (A5), Naiad_22 (CA), Nancinator_22 (CA), Natosaleda_22 (CA), NearlyHeadless_23 (A8), Partridge_22 (CA), PetterN_24 (A5), PhailMary_21 (CA), Phillis_23 (A8), Phlorence_23 (A5), Phrankenstien_22 (CA), PickleBack_23 (A5), Prinashe11_24 (A5), RER2_15 (CA), RGL3_15 (CA), Rasputin_22 (CA), RexFury_22 (CA), Rhodalyssa_22 (CA), Roary_23 (A8), Saintus_23 (A8), Scorpia_24 (A5), Shuman_22 (CA), Smeadley_23 (A8), StCroix_22 (CA), Stephig9_23 (A8), Swann_22 (CA), Swirley_23 (A5), SydNat_23 (A5), TWAMP_22 (CA), Tailonex_23 (singleton), Takoda_22 (CA), Tarynearal_22 (A5), Theia_21 (A5), Tiger_23 (A5), Twigg_23 (A5), UhSalsa_22 (CA), UnionJack_23 (A5), Yogi_22 (CA), Yoncess_22 (CA), Zolita_22 (A5),

Start 79:

- Found in 2 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_29 (DE5),

Start 81:

- Found in 2 of 1418 (0.1%) of genes in pham

- Manual Annotations of this start: 2 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GodonK_88 (DK), Phendrix_86 (DK),

Start 82:

- Found in 1 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilSpotty_16 (singleton),

Start 83:

- Found in 4 of 1418 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1219
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Cardigan_46 (DD), JonJames_46 (DD), Yvonnestic_44 (DD),

Start 84:

- Found in 43 of 1418 (3.0%) of genes in pham
- Manual Annotations of this start: 25 of 1219
- Called 74.4% of time when present
- Phage (with cluster) where this start called: APunk_35 (DE4), Abblin_34 (DE4), Ali17_30 (DE2), Belphegor_32 (DE2), BigHunkinEater_36 (DE4), Chickadee_31 (DE3), Delrey21_33 (DE4), Dextert_32 (DE3), DoctorFroggo_33 (DE4), EMoore_30 (DE2), EdmundFerry_30 (DE3), GMA2_29 (DS), GTE6_31 (DE3), Hans_34 (DE2), Inspectinfecti_33 (DE2), Kwekel_31 (DE3), Leonard_32 (DE2), MelBins_33 (DE2), Natkenzie_34 (DE4), Phauci_25 (DE2), Phinally_32 (DE2), Pumpkiney_35 (DE4), RoadKill_29 (DE3), Sampson_34 (DE4), Scioto_34 (DE4), Tardus_35 (DE4), Tiamoceli_32 (DE3), Twonlo_29 (DE3), Verity_33 (DE4), ViaConlectus_34 (DE4), Zipp_33 (DE4), Zitch_35 (DE4),

Start 85:

- Found in 42 of 1418 (3.0%) of genes in pham
- Manual Annotations of this start: 15 of 1219
- Called 40.5% of time when present
- Phage (with cluster) where this start called: Barco_18 (CV), C3PO_30 (EN), CheeseSpider_21 (CV), Cruella_30 (EN), DS6A_20 (singleton), Darwin_33 (EN), Guacamole_18 (CV), Kimchi1738_30 (EN), Lysidious_19 (CV), Melba_18 (CV), P1201_46 (singleton), PeteyPab_32 (EN), Pipp_18 (CV), PotatoChip_33 (EN), Stickynote_32 (EN), Zarbodnamra_18 (CV), Zion_33 (EN),

Start 87:

- Found in 31 of 1418 (2.2%) of genes in pham
- Manual Annotations of this start: 24 of 1219
- Called 77.4% of time when present
- Phage (with cluster) where this start called: Azula_20 (CV), Bantam_29 (DL), Blueberry_20 (CV), Culver_47 (CQ1), Daredevil_28 (DL), DatBoi_30 (DL), Fairfaxidum_18 (CV), Ferry_17 (CV), Gambino_20 (CV), Jalammah_20 (CV), JuJu_18 (CV), MissRona_20 (CV), Mollymur_30 (DL), Norvs_48 (CQ1), Nyceirae_22 (DT), PCoral7_18 (CV), PrincePatrick_18 (CV), Samba_18 (CV), Smoothie_48 (CQ1), SpeedDemon_310 (DL), Toast_18 (CV), Towmatter_27 (DL), WilliamBoone_47 (CQ1), William_18 (CV),

Start 88:

- Found in 1 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sapo_15 (DA),

Start 89:

- Found in 42 of 1418 (3.0%) of genes in pham
- Manual Annotations of this start: 29 of 1219
- Called 76.2% of time when present
- Phage (with cluster) where this start called: Archis_19 (CV), BabyMoney_20 (DT), Begonia_19 (CV), BlingBling_18 (CV), Blino_18 (CV), CaptainKirk2_18 (CV), CarolAnn_18 (CV), Delian_18 (CV), Dogfish_20 (DT), Ewald_21 (DT), Frizzle_15 (DA), Ghobes_15 (DA), Hitter_18 (CV), JasperJr_18 (CV), KappaFarmDelta_18 (CV), Malachai_19 (CV), Manilisa_22 (DT), Mellie_17 (CV), Meyran_20 (DT), MintFen_18 (CV), Murp_18 (CV), Obliviate_17 (CV), OneUp_41 (CQ2), Petra_20 (CV), Phishy_21 (DT), PhrostedPhlake_19 (CV), UmaThurman_18 (CV), Utz_18 (CV), Vordorf_21 (DT), Walrus_19 (CV), Wocket_19 (CV), ZiggyZoo_17 (CV),

Start 91:

- Found in 18 of 1418 (1.3%) of genes in pham
- Manual Annotations of this start: 13 of 1219
- Called 77.8% of time when present
- Phage (with cluster) where this start called: Abscondus_46 (CQ1), Aphelion_47 (CQ1), Archimedes_15 (DA), Bachita_49 (CQ1), BrutonGaster_35 (CQ2), ClubL_47 (CQ1), Cucurbita_49 (CQ1), Dusty_46 (CQ1), Engineer_48 (CQ1), Geeche_46 (CQ1), Lozinak_47 (CQ1), Miskis_45 (CQ1), PhinkBoden_47 (CQ1), Toniann_47 (CQ1),

Start 92:

- Found in 4 of 1418 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 25.0% of time when present
- Phage (with cluster) where this start called: ChewyVIII_55 (singleton),

Start 93:

- Found in 173 of 1418 (12.2%) of genes in pham
- Manual Annotations of this start: 57 of 1219
- Called 34.1% of time when present
- Phage (with cluster) where this start called: Affeca_32 (DE1), Ailee_32 (DE1), Angelicage_32 (DE1), Apiary_44 (CR6), Ashertheman_34 (DE1), Baddon_33 (DE1), Barsten_34 (DE1), Baumdotcom_33 (DE1), Bibwit_33 (DE1), Bizzy_34 (DE1), BobBob_31 (DE1), Brandonk123_35 (DE1), Braxoaddie_44 (CR6), ChadMasterC_34 (DE1), Charming_34 (DE1), CoffeeBean_44 (CR6), Derg_29 (DE1), Fitzgerald_32 (DE1), Flatwoods_34 (DE1), Fosterous_32 (DE1), FuegoCuervo_36 (DE1), Gaea_33 (DE1), Galadriel_34 (DE1), Geodirt_31 (DE1), Gustavo_33 (DE1), JKSyngboy_31 (DE1), Jabberwocky_32 (DE1), Kamashten_33 (DE1), Keitabear_34 (DE1), Kewpiedoll_33 (DE1), Kroos_34 (DE1), Kwobi_35 (DE1), Lennon_34 (DE1), LilHam_31 (DE1), Love_37 (DE1), Maselop_44 (CR6), McCrothy_34 (DE1), McKinley_36 (DE1), MoontowerMania_33 (DE1), Nordenberg_28 (DE1), Paries_36 (DE1), Polyyuki_44 (CR6), Ribeye_34 (DE1), RiverRaider_34 (DE1), Rofo_34 (DE1), Sanjuju_32 (DE1), Saronaya_33 (DE1), SchottB_32 (DE1), Sedona_34 (DE1), Shivanishola_35 (DE1), Sitar_34 (DE1), StorminNorm_33 (DE1), Stultus_32 (DE1),

Tangent_34 (DE1), Tangerine_33 (DE1), Thing3_33 (DE1), Tycho_33 (DE1), Vivi2_36 (DE1), YorkOnyx_34 (DE1),

Start 94:

- Found in 16 of 1418 (1.1%) of genes in pham
- Manual Annotations of this start: 5 of 1219
- Called 31.2% of time when present
- Phage (with cluster) where this start called: BlueNGold_99 (DS), Boopy_100 (DS), Forza_100 (DS), Mareelih_98 (DS), Sixama_98 (DS),

Start 96:

- Found in 39 of 1418 (2.8%) of genes in pham
- Manual Annotations of this start: 26 of 1219
- Called 79.5% of time when present
- Phage (with cluster) where this start called: Arti_40 (CR2), Dalilpop_45 (CR1), Emianna_40 (CR2), Ennea_46 (CR3), Flapper_44 (CR1), Float294_42 (CR3), Foxboro_41 (CR2), Fury_49 (CR5), GRU1_30 (CR1), GTE5_31 (CR1), GTE8_29 (CR2), GrootJr_42 (CR2), HomeFry_46 (CR5), Jifall16_39 (CR2), KidneyBean_40 (CR2), Kurt_40 (CR2), Lollipop1437_45 (CR3), MerCougar_41 (CR2), NatB6_40 (CR2), NovumRegina_40 (CR2), Outis_41 (CR2), Patio_43 (CR3), Phomeo_39 (CR2), Pleakley_49 (CR5), RedRaider_47 (CR3), Scuba_49 (CR5), Skysand_42 (CR3), StarStruck_41 (CR2), Tracker_40 (CR2), Turuncu_44 (CR1), Wheezy_40 (CR2),

Start 97:

- Found in 6 of 1418 (0.4%) of genes in pham
- Manual Annotations of this start: 6 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bonum_43 (CR2), Buggaboo_41 (CR2), Commandaria_42 (CR2), Kabluna_43 (CR2), NosilaM_43 (CR2), SuperSulley_41 (CR2),

Start 99:

- Found in 34 of 1418 (2.4%) of genes in pham
- Manual Annotations of this start: 32 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_33 (DC1), Bakery_31 (DC1), Barb_32 (DC1), CherryCola_34 (DC1), ClamChowder_32 (DC1), Clown_34 (DC2), CoveyB_32 (DC1), Danyall_32 (DC1), Egi03_30 (DC1), Evamon_30 (DC1), Fireball_31 (DC1), Fugax_32 (DC1), Gezellig_30 (DC1), Halo3_31 (DC1), Jambalaya_30 (DC1), KimmyK_32 (DC1), Mutzi_32 (DC1), Nubi_30 (DC1), Phlop_30 (DC1), PinkCoffee_32 (DC1), Portcullis_30 (DC1), PullumCavea_30 (DC1), RogerDodger_33 (DC1), Salvador_30 (DC1), Savbucketdawg_30 (DC1), Shinji_30 (DC1), SmokingBunny_30 (DC1), TillyBobJoe_30 (DC1), Togo_30 (DC1), Twister6_32 (DC1), Valary_33 (DC1), VanDeWege_33 (DC1), Wizard_30 (DC1), YungMoney_32 (DC1),

Start 100:

- Found in 9 of 1418 (0.6%) of genes in pham
- Manual Annotations of this start: 8 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BiPauneto_43 (CR4), HubbaBubba_38 (CR4), IDyn_41 (CR4), Marietta_42 (CR4), NadineRae_40 (CR4), Pemberton_44

(CR4), Sukkupi_42 (CR4), WhoseManz_42 (CR4), Yndexa_42 (CR4),

Start 105:

- Found in 20 of 1418 (1.4%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 15.0% of time when present
- Phage (with cluster) where this start called: Frokostdame_18 (CV), Wisp_17 (CV), Zilla_18 (CV),

Start 106:

- Found in 36 of 1418 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 5.6% of time when present
- Phage (with cluster) where this start called: ChutneyChips_16 (L4), Ronaldo_55 (DP),

Start 108:

- Found in 246 of 1418 (17.3%) of genes in pham
- Manual Annotations of this start: 38 of 1219
- Called 16.3% of time when present
- Phage (with cluster) where this start called: Angelique_19 (CY1), Avani_18 (F2), BearBQ_18 (DN), BeeGee_19 (CY5), Birdsong_18 (DN), Blarby_19 (F), Bradissa_19 (CY1), BritBrat_19 (CY2), Cashline_19 (CY6), Che9d_18 (F2), Confidence_19 (CY1), Demsculpinboyz_18 (F2), EMSquaredA_19 (CY1), Ecliptus_23 (DN), EnalisNailo_19 (CY1), Floral_19 (CY1), Fryberger_52 (DP), Guey18_57 (DP), Jabbawokkie_20 (F2), Jablanski_19 (CY3), Keelan_50 (DP), Kuwabara_18 (DN4), Lilas_19 (CY1), LonelyBoi_19 (CY7), Lucky10_17 (DH), Marteenā_19 (CY1), Morkie_17 (DH), MortyNRick_18 (DN), ODay_23 (DN), PhorbesPhlower_17 (DH), Pollux_19 (CY1), Posh_19 (CY4), Pytheas_19 (CY3), SilverChicken_18 (F2), Soul22_18 (F2), Volt_54 (DP), Wrigley_19 (CY4), Yoshi_18 (F2), Zapner_19 (F2), Ziko_55 (DP),

Start 111:

- Found in 35 of 1418 (2.5%) of genes in pham
- Manual Annotations of this start: 15 of 1219
- Called 48.6% of time when present
- Phage (with cluster) where this start called: BBQValindra_18 (DB), BackstagePass_18 (DB), Bowser_18 (DB), Bunker_18 (DB), Coriander_18 (DB), DirtyBoi_19 (DB), Dmitri_18 (DB), Doggs_17 (DB), Eyes_18 (DB), HannahD_18 (DB), Hedwig_19 (DB), Kiko_19 (DB), MagicMan_18 (DB), Moonflower_18 (DB), Opie_18 (DB), RayTheFireFly_18 (DB), TaronosaurusRx_18 (DB),

Start 114:

- Found in 85 of 1418 (6.0%) of genes in pham
- Manual Annotations of this start: 61 of 1219
- Called 96.5% of time when present
- Phage (with cluster) where this start called: Agatha_17 (CT), AikoCarson_16 (CT), Amok_16 (CT), AndPeggy_16 (CT), Apricot_18 (DN3), Axym_17 (CT), Azira_19 (CT), Balloona_16 (CT), Baviard_17 (CT), BigChungus_16 (CT), BillDoor_19 (CT), Biskit_18 (CT), Blondies_18 (CT), Bubble_17 (CT), Burnsey_17 (CT), Button_18 (CT), Buttrmlkdreams_17 (CT), CanesSauce_17 (CT), CaramelLatte_17 (CT), Carsonalex_18 (CT), CherryonLim_18 (CT), ChickenTender_19 (CT), ChocoMunchkin_17 (CT), Cleo_17 (CT), CocoaPuff_16 (CT), Cozz_17 (CT), Crater_17 (DN3), Dre3_17 (CT), ElJefes_16 (CT), Elinal_18 (CT), Eliott_17 (CT),

Emalyn_16 (CT), Feastonyeet_16 (CT), Fribs8_18 (CT), GiKK_20 (CT), Gibbous_17 (CT), GoldHunter_18 (CT), Hexbug_19 (CT), HippoPololi_19 (CT), Horseradish_18 (CT), Jamzy_20 (CT), KayGee_17 (CT), Lauer_16 (CT), MAnor_17 (CT), MScarn_19 (CT), MaVan_19 (CT), Margaret_20 (CT), Mayweather_18 (CT), McDazzle_16 (CT), MunkgeeRoachy_17 (CT), Nibbles_19 (CT), Nina_18 (CT), Nodigi_19 (CT), Orla_19 (CT), Pons_17 (CT), PotPie_17 (CT), PsychoKiller_17 (CT), Quasar_17 (CT), RADical_18 (CT), REQ2_19 (singleton), RSchmailz_18 (CT), RanchParmCat_20 (CT), RedBaron_18 (CT), SheckWes_16 (CT), SketchMex_16 (CT), Socotra_18 (CT), Sopespian_17 (CT), Starburst_18 (CT), SteamedHams_19 (CT), SummitAcademy_16 (CT), Survivors_19 (CT), SweatNTears_19 (CT), Tolls_19 (CT), Troje_17 (CT), Typhonmarchy_17 (CT), Vine_18 (CT), Wolfwood_21 (CT), Yakult_18 (CT), Yarn_16 (CT), Yucky_17 (CT), Yummy_18 (CT), Zareef_19 (CT),

Start 116:

- Found in 32 of 1418 (2.3%) of genes in pham
- Manual Annotations of this start: 15 of 1219
- Called 53.1% of time when present
- Phage (with cluster) where this start called: Asapag_19 (DN1), BENTherdunthat_19 (DN1), BotCity_19 (DN), Budski_19 (DN), Frickyeh_19 (DN1), Getalong_20 (DN1), Horus_19 (DN1), Kamaru_19 (DN1), Kenna_18 (DN1), Leroy_19 (DN1), LitninMcQueen_19 (DN1), Periwinkle_21 (DN1), Phistory_20 (DN1), ShawBrad_19 (DN1), Spooky_19 (DN2), Squiddly_21 (DN2), Whitney_20 (DN1),

Start 117:

- Found in 4 of 1418 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: GAL1_19 (singleton),

Start 119:

- Found in 112 of 1418 (7.9%) of genes in pham
- Manual Annotations of this start: 6 of 1219
- Called 6.2% of time when present
- Phage (with cluster) where this start called: CheeseTouch_19 (DN1), GEazy_18 (DB), Holliday_19 (DN1), Lutum_19 (DN1), Malisha_20 (DN), Phabuloso_19 (DN1), Sheng711_17 (L4),

Start 125:

- Found in 10 of 1418 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 1219
- Called 20.0% of time when present
- Phage (with cluster) where this start called: GuyFagieri_44 (CR6), MacGully_49 (CR7),

Start 144:

- Found in 116 of 1418 (8.2%) of genes in pham
- No Manual Annotations of this start.
- Called 0.9% of time when present
- Phage (with cluster) where this start called: GTE2_15 (CT),

Start 145:

- Found in 75 of 1418 (5.3%) of genes in pham
- Manual Annotations of this start: 14 of 1219

- Called 21.3% of time when present
- Phage (with cluster) where this start called: Applejacks_17 (CD), DonkeyMan_17 (DY), Gustav_17 (CD), Heinz_18 (DY), Hibiscus_17 (DY), Jojo24_17 (DY), Mahdia_17 (CD), Malibo_19 (DW), Morrissey_18 (CD), Puppies_17 (CD), Reyja_18 (DY), Santhid_17 (DY), Tarzan_17 (DY), Trine_17 (CD), Upyo_17 (CD), Widow_17 (CD),

Start 149:

- Found in 12 of 1418 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 1219
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Catfish_21 (CU5), Dardanus_23 (CU3), DinoDaryn_23 (CU1), Goib_22 (CU1), Huffy_23 (CU1), TZGordon_23 (CU1),

Start 151:

- Found in 12 of 1418 (0.8%) of genes in pham
- Manual Annotations of this start: 5 of 1219
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Banquo_25 (CU1), Gspu1_19 (CU2), Schmidt_19 (CU4), Splinter_21 (CU1), TinaLin_24 (CU1), Vendetta_21 (CU1),

Start 155:

- Found in 117 of 1418 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 2.6% of time when present
- Phage (with cluster) where this start called: GMA4_17 (singleton), Schnabeltier_18 (DB), ZAYM_18 (DB),

Start 157:

- Found in 1 of 1418 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EmiRose_16 (singleton),

Start 167:

- Found in 171 of 1418 (12.1%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Stellammi_15 (UNK),

Start 226:

- Found in 13 of 1418 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 1219
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Whack_17 (singleton),

Summary by clusters:

There are 109 clusters represented in this pham: Z, G5, G4, G3, G2, G1, CQ2, CQ1, KA, T, X, DC2, DC1, M1, M3, M2, CY5, AF, EO, EN, G, S, EQ, CR2, CR3, CR1, CR6, CR7, CR4, CR5, DE1, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, CU5, CU4, CU3, CU2, CU1, A22, DN4, DN1, DN3, DN2, DU1, DU2, F, CA, CD, UNK, CV, CT, A20, A21, F2, DN, DL, DK, DH, DI, DD, DB, DA, DZ, DY, DW, DT, DS,

DP, A15, A14, A17, A16, A11, A13, A12, A2, A5, A7, A6, A9, A8, CY3, CY2, CY1, AB, CY7, CY6, AG, CY4, AH, AJ, Q, L4, L5, L2, L3, L1, Y,

Info for manual annotations of cluster A11:

- Start number 71 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 71 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 71 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 73 was manually annotated 1 time for cluster A15.
- Start number 74 was manually annotated 22 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 71 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:

- Start number 71 was manually annotated 104 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 71 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 71 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A5:

- Start number 78 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 71 was manually annotated 47 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 69 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

- Start number 78 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 70 was manually annotated 1 time for cluster A9.
- Start number 71 was manually annotated 34 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 36 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 52 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 41 was manually annotated 1 time for cluster AG.
- Start number 50 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AH:

- Start number 59 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AJ:

- Start number 22 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CA:

- Start number 78 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CD:

- Start number 145 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 87 was manually annotated 4 times for cluster CQ1.
- Start number 91 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 89 was manually annotated 1 time for cluster CQ2.
- Start number 91 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CR1:

- Start number 96 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 96 was manually annotated 15 times for cluster CR2.
- Start number 97 was manually annotated 6 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 96 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 100 was manually annotated 8 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 96 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 93 was manually annotated 5 times for cluster CR6.
- Start number 125 was manually annotated 1 time for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 125 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CT:

- Start number 114 was manually annotated 59 times for cluster CT.

Info for manual annotations of cluster CU1:

- Start number 149 was manually annotated 4 times for cluster CU1.
- Start number 151 was manually annotated 4 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 149 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 151 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 149 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 85 was manually annotated 6 times for cluster CV.
- Start number 87 was manually annotated 13 times for cluster CV.
- Start number 89 was manually annotated 22 times for cluster CV.
- Start number 105 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CY1:

- Start number 108 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 108 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 108 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 108 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 108 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 108 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 108 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster DA:

- Start number 88 was manually annotated 1 time for cluster DA.
- Start number 89 was manually annotated 2 times for cluster DA.
- Start number 91 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DB:

- Start number 111 was manually annotated 15 times for cluster DB.
- Start number 119 was manually annotated 1 time for cluster DB.
- Start number 155 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 99 was manually annotated 31 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 99 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:

- Start number 83 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE1:

- Start number 93 was manually annotated 52 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 84 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 84 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 84 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 79 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:

- Start number 108 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 76 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 81 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 87 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 108 was manually annotated 5 times for cluster DN.
- Start number 116 was manually annotated 2 times for cluster DN.
- Start number 119 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 116 was manually annotated 11 times for cluster DN1.
- Start number 119 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 116 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 114 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 108 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 106 was manually annotated 1 time for cluster DP.
- Start number 108 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster DS:

- Start number 94 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 87 was manually annotated 1 time for cluster DT.
- Start number 89 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 68 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 59 was manually annotated 1 time for cluster DU2.
- Start number 68 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 70 was manually annotated 1 time for cluster DW.
- Start number 76 was manually annotated 3 times for cluster DW.
- Start number 145 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 145 was manually annotated 6 times for cluster DY.

Info for manual annotations of cluster DZ:

- Start number 64 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster EN:

- Start number 85 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 54 was manually annotated 3 times for cluster EO.
- Start number 56 was manually annotated 1 time for cluster EO.

Info for manual annotations of cluster EQ:

- Start number 67 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster F2:

- Start number 108 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster G1:

- Start number 33 was manually annotated 62 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 25 was manually annotated 1 time for cluster G2.
- Start number 34 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 33 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 33 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 33 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:

- Start number 33 was manually annotated 108 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 35 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 33 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 33 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 37 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 33 was manually annotated 24 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 30 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 29 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster KA:

- Start number 64 was manually annotated 1 time for cluster KA.

Info for manual annotations of cluster L1:

- Start number 59 was manually annotated 9 times for cluster L1.
- Start number 70 was manually annotated 10 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 70 was manually annotated 30 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 70 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 70 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 70 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 64 was manually annotated 1 time for cluster M1.
- Start number 66 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 66 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 66 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster Q:

- Start number 68 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster S:

- Start number 70 was manually annotated 18 times for cluster S.

Info for manual annotations of cluster T:

- Start number 63 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster X:

- Start number 46 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 57 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 60 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_27 Start: 19219, Stop: 20229, Start Num: 71

Candidate Starts for 20ES_27:

(Start: 71 @19219 has 224 MA's), (Start: 108 @19273 has 38 MA's), (143, 19312), (265, 19528), (306, 19594), (329, 19633), (332, 19636), (463, 19864), (480, 19897), (529, 19999), (537, 20020), (564, 20074), (571, 20086), (622, 20176),

Gene: 32HC_25 Start: 17876, Stop: 18982, Start Num: 60

Candidate Starts for 32HC_25:

(11, 17579), (Start: 54 @17867 has 3 MA's), (Start: 60 @17876 has 1 MA's), (Start: 89 @17915 has 29 MA's), (121, 17960), (235, 18167), (299, 18287), (385, 18401), (419, 18461), (518, 18668), (667, 18968),

Gene: 40AC_30 Start: 21412, Stop: 22422, Start Num: 71

Candidate Starts for 40AC_30:

(Start: 71 @21412 has 224 MA's), (127, 21487), (143, 21505), (164, 21541), (183, 21580), (285, 21757), (306, 21787), (329, 21826), (332, 21829), (432, 21985), (529, 22192), (564, 22267), (571, 22279), (622, 22369),

Gene: 8UZL_20 Start: 14891, Stop: 16003, Start Num: 36

Candidate Starts for 8UZL_20:

(Start: 36 @14891 has 4 MA's), (44, 14939), (118, 15047), (124, 15056), (169, 15125), (176, 15137), (182, 15152), (265, 15299), (334, 15407), (390, 15482), (396, 15491), (414, 15527), (464, 15596), (490, 15638), (513, 15683), (516, 15692), (544, 15749), (601, 15854), (661, 15965),

Gene: AN3_27 Start: 19197, Stop: 20207, Start Num: 71

Candidate Starts for AN3_27:

(Start: 71 @19197 has 224 MA's), (Start: 108 @19251 has 38 MA's), (143, 19290), (183, 19365), (265, 19506), (306, 19572), (329, 19611), (332, 19614), (463, 19842), (519, 19962), (529, 19977), (564, 20052), (571, 20064), (585, 20088), (622, 20154),

Gene: AN9_30 Start: 19185, Stop: 20195, Start Num: 71

Candidate Starts for AN9_30:

(Start: 71 @19185 has 224 MA's), (Start: 108 @19239 has 38 MA's), (127, 19260), (143, 19278), (240, 19449), (306, 19560), (329, 19599), (332, 19602), (364, 19647), (418, 19737), (519, 19950), (529, 19965), (564, 20040), (571, 20052), (585, 20076), (622, 20142),

Gene: ANI8_30 Start: 19185, Stop: 20195, Start Num: 71

Candidate Starts for ANI8_30:

(Start: 71 @19185 has 224 MA's), (Start: 108 @19239 has 38 MA's), (127, 19260), (143, 19278), (240, 19449), (306, 19560), (329, 19599), (332, 19602), (364, 19647), (418, 19737), (519, 19950), (529, 19965), (564, 20040), (571, 20052), (585, 20076), (622, 20142),

Gene: APunk_35 Start: 29234, Stop: 30211, Start Num: 84

Candidate Starts for APunk_35:

(Start: 84 @29234 has 25 MA's), (165, 29357), (183, 29393), (237, 29495), (284, 29549), (334, 29621), (379, 29684), (386, 29693), (418, 29750), (437, 29783), (452, 29816), (453, 29819), (516, 29936), (538, 29972), (549, 30005), (555, 30014), (568, 30035), (586, 30062), (601, 30092), (605, 30098), (625, 30131), (627, 30134), (660, 30188), (664, 30200),

Gene: Abblin_34 Start: 29777, Stop: 30754, Start Num: 84

Candidate Starts for Abblin_34:

(Start: 84 @29777 has 25 MA's), (136, 29852), (144, 29864), (165, 29900), (183, 29936), (237, 30038), (284, 30092), (334, 30164), (379, 30227), (386, 30236), (418, 30293), (437, 30326), (452, 30359), (453, 30362), (486, 30419), (538, 30515), (549, 30548), (555, 30557), (568, 30578), (586, 30605), (595, 30626), (601, 30635), (605, 30641), (625, 30674), (627, 30677), (660, 30731), (664, 30743),

Gene: AbbyPaige_29 Start: 19684, Stop: 20700, Start Num: 71

Candidate Starts for AbbyPaige_29:

(Start: 71 @19684 has 224 MA's), (127, 19759), (143, 19777), (164, 19813), (183, 19852), (306, 20059), (329, 20098), (332, 20101), (390, 20188), (480, 20368), (529, 20470), (564, 20545), (571, 20557),

Gene: Abscondus_46 Start: 28440, Stop: 29321, Start Num: 91

Candidate Starts for Abscondus_46:

(Start: 87 @28434 has 24 MA's), (Start: 91 @28440 has 13 MA's), (123, 28488), (142, 28515), (182, 28587), (232, 28683), (312, 28791), (390, 28884), (405, 28908), (411, 28923), (471, 29019), (513, 29067), (611, 29247), (634, 29283),

Gene: Acolyte_27 Start: 19734, Stop: 20744, Start Num: 71

Candidate Starts for Acolyte_27:

(Start: 71 @19734 has 224 MA's), (143, 19827), (164, 19863), (183, 19902), (306, 20109), (329, 20148), (332, 20151), (364, 20196), (418, 20286), (463, 20379), (529, 20514), (564, 20589), (571, 20601), (585, 20625), (622, 20691),

Gene: Acquire49_17 Start: 15847, Stop: 16746, Start Num: 59

Candidate Starts for Acquire49_17:

(45, 15811), (Start: 59 @15847 has 11 MA's), (Start: 70 @15865 has 85 MA's), (90, 15889), (Start: 108 @15919 has 38 MA's), (Start: 119 @15934 has 6 MA's), (Start: 145 @15967 has 14 MA's), (237, 16111), (329, 16267), (332, 16270), (336, 16276), (368, 16321), (389, 16348), (438, 16387), (459,

16420), (463, 16429), (491, 16456), (542, 16576), (571, 16624), (620, 16690), (623, 16696), (647, 16735),

Gene: ActinUp_22 Start: 16020, Stop: 17156, Start Num: 33

Candidate Starts for ActinUp_22:

(Start: 33 @16020 has 231 MA's), (80, 16137), (142, 16227), (Start: 155 @16248 has 1 MA's), (167, 16269), (181, 16296), (332, 16551), (392, 16632), (433, 16707), (445, 16722), (513, 16833), (535, 16875), (580, 16968), (590, 16992), (648, 17085), (663, 17124), (668, 17142),

Gene: Adephagia_22 Start: 16017, Stop: 17153, Start Num: 33

Candidate Starts for Adephagia_22:

(Start: 33 @16017 has 231 MA's), (80, 16134), (142, 16224), (Start: 155 @16245 has 1 MA's), (167, 16266), (181, 16293), (332, 16548), (392, 16629), (433, 16704), (445, 16719), (513, 16830), (535, 16872), (580, 16965), (590, 16989), (648, 17082), (663, 17121), (668, 17139),

Gene: Adonis_22 Start: 16023, Stop: 17159, Start Num: 33

Candidate Starts for Adonis_22:

(Start: 33 @16023 has 231 MA's), (80, 16140), (142, 16230), (Start: 155 @16251 has 1 MA's), (167, 16272), (181, 16299), (332, 16554), (392, 16635), (433, 16710), (445, 16725), (513, 16836), (535, 16878), (580, 16971), (590, 16995), (648, 17088), (663, 17127), (668, 17145),

Gene: Adzzy_28 Start: 17912, Stop: 18922, Start Num: 71

Candidate Starts for Adzzy_28:

(Start: 71 @17912 has 224 MA's), (127, 17987), (143, 18005), (164, 18041), (306, 18287), (329, 18326), (332, 18329), (418, 18464), (463, 18557), (480, 18590), (537, 18713), (552, 18743), (571, 18779), (585, 18803),

Gene: Aegeus_17 Start: 15428, Stop: 16309, Start Num: 70

Candidate Starts for Aegeus_17:

(Start: 50 @15389 has 1 MA's), (55, 15404), (Start: 70 @15428 has 85 MA's), (90, 15452), (Start: 119 @15497 has 6 MA's), (127, 15512), (Start: 145 @15530 has 14 MA's), (189, 15608), (285, 15761), (290, 15770), (332, 15833), (429, 15944), (438, 15950), (442, 15956), (463, 15992), (491, 16019), (504, 16043), (510, 16061), (514, 16070), (515, 16073), (533, 16112), (542, 16139), (571, 16187), (586, 16208), (647, 16298),

Gene: Affeca_32 Start: 29693, Stop: 30649, Start Num: 93

Candidate Starts for Affeca_32:

(Start: 93 @29693 has 57 MA's), (203, 29879), (210, 29891), (228, 29918), (334, 30089), (360, 30125), (384, 30158), (394, 30173), (401, 30185), (425, 30215), (431, 30221), (462, 30281), (513, 30371), (548, 30461), (561, 30485), (567, 30497), (602, 30563), (610, 30578), (629, 30602), (637, 30614),

Gene: Agape74_29 Start: 19660, Stop: 20676, Start Num: 71

Candidate Starts for Agape74_29:

(Start: 71 @19660 has 224 MA's), (127, 19735), (143, 19753), (164, 19789), (183, 19828), (306, 20035), (329, 20074), (332, 20077), (390, 20164), (480, 20344), (529, 20446), (564, 20521), (571, 20533),

Gene: Agatha_17 Start: 14764, Stop: 15735, Start Num: 114

Candidate Starts for Agatha_17:

(Start: 114 @14764 has 61 MA's), (144, 14809), (156, 14830), (190, 14893), (201, 14917), (217, 14947), (239, 14986), (272, 15025), (277, 15034), (278, 15037), (311, 15103), (342, 15151), (375, 15193), (404, 15241), (437, 15292), (462, 15352), (469, 15367), (471, 15370), (483, 15388), (486, 15394), (506, 15439), (517, 15466), (528, 15484), (545, 15535), (546, 15538), (562, 15568), (567,

15577), (576, 15592), (606, 15649), (639, 15697), (652, 15721), (654, 15727),

Gene: Agent47_20 Start: 16419, Stop: 17549, Start Num: 37

Candidate Starts for Agent47_20:

(Start: 37 @16419 has 23 MA's), (124, 16593), (165, 16659), (167, 16662), (181, 16689), (232, 16788), (292, 16890), (332, 16944), (357, 16974), (381, 17010), (383, 17013), (390, 17022), (431, 17097), (433, 17100), (453, 17136), (471, 17178), (496, 17196), (499, 17202), (513, 17226), (514, 17229), (535, 17268), (648, 17478), (663, 17517), (668, 17535),

Gene: AgentM_23 Start: 18724, Stop: 19737, Start Num: 78

Candidate Starts for AgentM_23:

(Start: 78 @18724 has 85 MA's), (143, 18820), (163, 18853), (164, 18856), (183, 18895), (204, 18943), (306, 19096), (313, 19114), (332, 19138), (361, 19180), (519, 19492), (571, 19594), (586, 19621), (622, 19684),

Gene: Ageofdapage_22 Start: 15951, Stop: 17087, Start Num: 33

Candidate Starts for Ageofdapage_22:

(Start: 33 @15951 has 231 MA's), (80, 16068), (Start: 155 @16179 has 1 MA's), (167, 16200), (181, 16227), (233, 16329), (332, 16482), (392, 16563), (433, 16638), (445, 16653), (513, 16764), (535, 16806), (580, 16899), (590, 16923), (648, 17016), (663, 17055), (668, 17073),

Gene: AikoCarson_16 Start: 14069, Stop: 15040, Start Num: 114

Candidate Starts for AikoCarson_16:

(Start: 114 @14069 has 61 MA's), (144, 14114), (156, 14135), (177, 14171), (217, 14252), (272, 14330), (277, 14339), (278, 14342), (305, 14396), (311, 14408), (342, 14456), (375, 14498), (404, 14546), (437, 14597), (451, 14627), (462, 14657), (469, 14672), (471, 14675), (517, 14771), (528, 14789), (546, 14843), (548, 14846), (562, 14873), (567, 14882), (576, 14897), (606, 14954), (639, 15002), (652, 15026), (654, 15032),

Gene: Ailee_32 Start: 30183, Stop: 31139, Start Num: 93

Candidate Starts for Ailee_32:

(Start: 93 @30183 has 57 MA's), (203, 30369), (210, 30381), (228, 30408), (238, 30429), (280, 30489), (331, 30576), (334, 30579), (360, 30615), (384, 30648), (394, 30663), (401, 30675), (425, 30705), (431, 30711), (462, 30771), (513, 30861), (548, 30951), (561, 30975), (567, 30987), (602, 31053), (637, 31104),

Gene: Airmid_23 Start: 17965, Stop: 18978, Start Num: 78

Candidate Starts for Airmid_23:

(Start: 78 @17965 has 85 MA's), (143, 18061), (163, 18094), (164, 18097), (183, 18136), (265, 18271), (281, 18301), (297, 18331), (306, 18337), (313, 18355), (332, 18379), (361, 18421), (455, 18592), (571, 18835), (586, 18862), (622, 18925),

Gene: AizenPogi_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for AizenPogi_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Alatin_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Alatin_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203),

(591, 16245), (649, 16341),

Gene: Aleemily_18 Start: 15646, Stop: 16554, Start Num: 64

Candidate Starts for Aleemily_18:

(6, 15193), (Start: 64 @15646 has 6 MA's), (86, 15673), (Start: 106 @15706 has 1 MA's), (175, 15808), (186, 15835), (196, 15859), (265, 15961), (285, 15994), (295, 16024), (328, 16060), (332, 16066), (339, 16075), (390, 16153), (429, 16183), (438, 16189), (446, 16204), (508, 16309), (538, 16375), (590, 16474), (620, 16507), (643, 16543),

Gene: Ali17_30 Start: 27429, Stop: 28415, Start Num: 84

Candidate Starts for Ali17_30:

(Start: 84 @27429 has 25 MA's), (165, 27552), (183, 27588), (214, 27648), (284, 27744), (365, 27855), (377, 27876), (437, 27978), (453, 28014), (565, 28230), (568, 28236), (577, 28251), (586, 28266), (605, 28302), (625, 28335), (627, 28338), (664, 28404),

Gene: AlishaPH_22 Start: 16010, Stop: 17146, Start Num: 33

Candidate Starts for AlishaPH_22:

(Start: 33 @16010 has 231 MA's), (80, 16127), (142, 16217), (Start: 155 @16238 has 1 MA's), (167, 16259), (181, 16286), (332, 16541), (392, 16622), (433, 16697), (445, 16712), (513, 16823), (535, 16865), (580, 16958), (590, 16982), (648, 17075), (663, 17114), (668, 17132),

Gene: Aliter_28 Start: 20455, Stop: 21468, Start Num: 71

Candidate Starts for Aliter_28:

(Start: 71 @20455 has 224 MA's), (86, 20473), (127, 20530), (143, 20548), (164, 20584), (265, 20764), (285, 20800), (306, 20830), (332, 20872), (432, 21031), (502, 21175), (529, 21238), (564, 21313), (571, 21325), (585, 21349),

Gene: AlleyCat_20 Start: 16301, Stop: 17431, Start Num: 37

Candidate Starts for AlleyCat_20:

(Start: 37 @16301 has 23 MA's), (124, 16475), (165, 16541), (181, 16571), (232, 16670), (292, 16772), (332, 16826), (357, 16856), (381, 16892), (383, 16895), (390, 16904), (431, 16979), (433, 16982), (453, 17018), (471, 17060), (496, 17078), (499, 17084), (513, 17108), (514, 17111), (535, 17150), (585, 17252), (648, 17360), (663, 17399), (668, 17417),

Gene: Alma_28 Start: 20534, Stop: 21547, Start Num: 71

Candidate Starts for Alma_28:

(Start: 71 @20534 has 224 MA's), (86, 20552), (127, 20609), (143, 20627), (164, 20663), (265, 20843), (285, 20879), (306, 20909), (332, 20951), (432, 21110), (502, 21254), (529, 21317), (564, 21392), (571, 21404), (585, 21428),

Gene: Alpacados_21 Start: 15416, Stop: 16288, Start Num: 78

Candidate Starts for Alpacados_21:

(Start: 78 @15416 has 85 MA's), (101, 15455), (159, 15536), (163, 15542), (194, 15611), (249, 15689), (261, 15716), (332, 15827), (428, 15923), (529, 16052), (535, 16070), (571, 16139), (649, 16277),

Gene: Amelie_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for Amelie_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: Amgine_20 Start: 16119, Stop: 17255, Start Num: 33

Candidate Starts for Amgine_20:

(Start: 33 @16119 has 231 MA's), (80, 16236), (Start: 116 @16287 has 15 MA's), (181, 16395), (233, 16497), (234, 16500), (292, 16596), (332, 16650), (381, 16716), (390, 16728), (535, 16974), (537, 16977), (590, 17091), (648, 17184), (663, 17223), (668, 17241),

Gene: Aminay_20 Start: 16296, Stop: 17435, Start Num: 30

Candidate Starts for Aminay_20:

(Start: 30 @16296 has 1 MA's), (38, 16320), (Start: 59 @16392 has 11 MA's), (80, 16422), (136, 16506), (167, 16554), (180, 16578), (232, 16680), (292, 16782), (332, 16836), (386, 16905), (390, 16911), (409, 16947), (431, 16986), (471, 17064), (535, 17154), (546, 17190), (564, 17220), (586, 17259), (648, 17364), (663, 17403), (668, 17421),

Gene: Amochick_21 Start: 16318, Stop: 17412, Start Num: 68

Candidate Starts for Amochick_21:

(Start: 68 @16318 has 28 MA's), (75, 16327), (142, 16423), (147, 16432), (153, 16441), (181, 16492), (183, 16498), (234, 16594), (243, 16612), (284, 16681), (289, 16690), (296, 16711), (299, 16717), (302, 16723), (305, 16726), (356, 16798), (359, 16801), (451, 16957), (477, 17008), (484, 17026), (518, 17098), (529, 17116), (564, 17200), (580, 17227), (583, 17230), (601, 17266), (611, 17284), (640, 17326), (648, 17341), (650, 17344), (661, 17374), (663, 17380),

Gene: Amohnition_21 Start: 16493, Stop: 17629, Start Num: 33

Candidate Starts for Amohnition_21:

(Start: 33 @16493 has 231 MA's), (80, 16610), (Start: 93 @16628 has 57 MA's), (Start: 116 @16661 has 15 MA's), (142, 16700), (181, 16769), (232, 16868), (234, 16874), (292, 16970), (332, 17024), (381, 17090), (390, 17102), (431, 17177), (471, 17258), (499, 17282), (535, 17348), (537, 17351), (580, 17441), (648, 17558), (663, 17597), (668, 17615),

Gene: Amok_16 Start: 14066, Stop: 15037, Start Num: 114

Candidate Starts for Amok_16:

(Start: 114 @14066 has 61 MA's), (144, 14111), (156, 14132), (177, 14168), (217, 14249), (272, 14327), (277, 14336), (278, 14339), (305, 14393), (311, 14405), (342, 14453), (375, 14495), (404, 14543), (437, 14594), (451, 14624), (462, 14654), (469, 14669), (471, 14672), (517, 14768), (528, 14786), (546, 14840), (548, 14843), (562, 14870), (567, 14879), (576, 14894), (583, 14903), (606, 14951), (639, 14999), (652, 15023), (654, 15029),

Gene: Amymech_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Amymech_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Anaya_23 Start: 16036, Stop: 17172, Start Num: 33

Candidate Starts for Anaya_23:

(Start: 33 @16036 has 231 MA's), (Start: 37 @16042 has 23 MA's), (80, 16153), (Start: 155 @16264 has 1 MA's), (167, 16285), (181, 16312), (332, 16567), (392, 16648), (445, 16738), (513, 16849), (535, 16891), (580, 16984), (590, 17008), (648, 17101), (663, 17140), (668, 17158),

Gene: Anaysia_29 Start: 18122, Stop: 19099, Start Num: 74

Candidate Starts for Anaysia_29:

(Start: 74 @18122 has 22 MA's), (159, 18236), (163, 18242), (164, 18245), (292, 18479), (460, 18746), (498, 18800), (571, 18956),

Gene: AndPeggy_16 Start: 14429, Stop: 15400, Start Num: 114

Candidate Starts for AndPeggy_16:

(Start: 114 @14429 has 61 MA's), (144, 14474), (156, 14495), (165, 14510), (177, 14531), (201, 14582), (217, 14612), (234, 14639), (272, 14690), (277, 14699), (278, 14702), (305, 14756), (311, 14768), (342, 14816), (404, 14906), (437, 14957), (451, 14987), (462, 15017), (471, 15035), (517, 15131), (528, 15149), (545, 15200), (546, 15203), (562, 15233), (567, 15242), (576, 15257), (606, 15314), (639, 15362), (652, 15386), (654, 15392),

Gene: Aneem_27 Start: 19736, Stop: 20758, Start Num: 71

Candidate Starts for Aneem_27:

(Start: 71 @19736 has 224 MA's), (Start: 108 @19793 has 38 MA's), (159, 19868), (234, 19997), (265, 20057), (297, 20117), (306, 20123), (332, 20165), (364, 20210), (368, 20216), (418, 20300), (439, 20333), (571, 20615), (576, 20624), (585, 20639), (622, 20705),

Gene: Angel_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Angel_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Angelica_22 Start: 15985, Stop: 17121, Start Num: 33

Candidate Starts for Angelica_22:

(Start: 33 @15985 has 231 MA's), (80, 16102), (142, 16192), (Start: 155 @16213 has 1 MA's), (167, 16234), (181, 16261), (332, 16516), (392, 16597), (433, 16672), (445, 16687), (513, 16798), (535, 16840), (580, 16933), (590, 16957), (648, 17050), (663, 17089), (668, 17107),

Gene: Angelicage_32 Start: 30110, Stop: 31066, Start Num: 93

Candidate Starts for Angelicage_32:

(Start: 93 @30110 has 57 MA's), (203, 30296), (210, 30308), (228, 30335), (238, 30356), (280, 30416), (334, 30506), (360, 30542), (384, 30575), (394, 30590), (401, 30602), (425, 30632), (431, 30638), (462, 30698), (513, 30788), (548, 30878), (561, 30902), (567, 30914), (602, 30980), (637, 31031),

Gene: Angelique_19 Start: 16805, Stop: 17713, Start Num: 108

Candidate Starts for Angelique_19:

(Start: 108 @16805 has 38 MA's), (144, 16862), (221, 16997), (232, 17012), (233, 17015), (239, 17030), (269, 17066), (320, 17135), (352, 17174), (388, 17222), (404, 17246), (422, 17270), (517, 17462), (540, 17498), (541, 17501), (545, 17513), (546, 17516), (569, 17558), (571, 17561), (576, 17570), (604, 17624), (627, 17663), (631, 17669), (635, 17675),

Gene: AngryOrchard_21 Start: 15399, Stop: 16271, Start Num: 78

Candidate Starts for AngryOrchard_21:

(Start: 78 @15399 has 85 MA's), (101, 15438), (163, 15525), (194, 15594), (249, 15672), (332, 15810), (428, 15906), (529, 16035), (535, 16053), (571, 16122), (649, 16260),

Gene: Anma_22 Start: 15965, Stop: 17101, Start Num: 33

Candidate Starts for Anma_22:

(Start: 33 @15965 has 231 MA's), (80, 16082), (142, 16172), (Start: 155 @16193 has 1 MA's), (167, 16214), (181, 16241), (292, 16442), (332, 16496), (341, 16502), (392, 16577), (433, 16652), (445, 16667), (535, 16820), (580, 16913), (590, 16937), (648, 17030), (663, 17069), (668, 17087),

Gene: AnnaL29_30 Start: 21011, Stop: 22024, Start Num: 71

Candidate Starts for AnnaL29_30:

(Start: 71 @21011 has 224 MA's), (86, 21029), (143, 21104), (164, 21140), (183, 21179), (265, 21320), (306, 21386), (329, 21425), (332, 21428), (364, 21473), (463, 21659), (480, 21692), (571, 21881),

Gene: Annihilator_17 Start: 15468, Stop: 16640, Start Num: 33

Candidate Starts for Annihilator_17:

(5, 15135), (Start: 33 @15468 has 231 MA's), (80, 15588), (Start: 93 @15606 has 57 MA's), (124, 15651), (127, 15657), (165, 15720), (183, 15756), (218, 15825), (220, 15828), (232, 15849), (270, 15903), (292, 15948), (311, 15978), (390, 16080), (399, 16092), (404, 16104), (412, 16122), (496, 16287), (513, 16317), (526, 16335), (535, 16359), (591, 16479), (648, 16569), (661, 16602),

Gene: Anon_27 Start: 18753, Stop: 19730, Start Num: 74

Candidate Starts for Anon_27:

(Start: 74 @18753 has 22 MA's), (101, 18795), (148, 18852), (159, 18867), (163, 18873), (164, 18876), (204, 18963), (292, 19110), (405, 19260), (571, 19587), (603, 19647), (622, 19677),

Gene: Anselm_27 Start: 19280, Stop: 20296, Start Num: 71

Candidate Starts for Anselm_27:

(Start: 71 @19280 has 224 MA's), (127, 19355), (143, 19373), (164, 19409), (183, 19448), (306, 19655), (329, 19694), (332, 19697), (480, 19964), (529, 20066), (564, 20141), (571, 20153), (622, 20243),

Gene: Anthony_26 Start: 17668, Stop: 18678, Start Num: 71

Candidate Starts for Anthony_26:

(Start: 71 @17668 has 224 MA's), (143, 17761), (164, 17797), (265, 17977), (306, 18043), (329, 18082), (332, 18085), (418, 18220), (480, 18346), (524, 18439), (529, 18448), (571, 18535), (585, 18559), (601, 18592), (622, 18625),

Gene: Antsirabe_17 Start: 15810, Stop: 16985, Start Num: 33

Candidate Starts for Antsirabe_17:

(4, 15441), (5, 15501), (Start: 33 @15810 has 231 MA's), (Start: 93 @15951 has 57 MA's), (127, 16002), (167, 16068), (169, 16071), (180, 16092), (183, 16101), (218, 16170), (220, 16173), (233, 16197), (265, 16242), (270, 16248), (292, 16293), (361, 16383), (399, 16437), (429, 16497), (483, 16605), (513, 16662), (535, 16704), (538, 16710), (571, 16782), (583, 16800), (626, 16878), (628, 16881), (640, 16899), (661, 16947), (663, 16953),

Gene: Aphelion_47 Start: 28709, Stop: 29590, Start Num: 91

Candidate Starts for Aphelion_47:

(Start: 91 @28709 has 13 MA's), (123, 28757), (142, 28784), (182, 28856), (215, 28922), (232, 28952), (312, 29060), (390, 29153), (405, 29177), (411, 29192), (471, 29288), (513, 29336), (611, 29516), (634, 29552),

Gene: Apiary_44 Start: 30416, Stop: 31342, Start Num: 93

Candidate Starts for Apiary_44:

(Start: 93 @30416 has 57 MA's), (Start: 125 @30452 has 2 MA's), (190, 30569), (209, 30608), (220, 30626), (249, 30677), (306, 30776), (363, 30851), (370, 30860), (414, 30935), (426, 30956), (513, 31094), (535, 31130), (548, 31169), (580, 31211), (613, 31274), (636, 31307),

Gene: Apocalypse_22 Start: 15988, Stop: 17124, Start Num: 33

Candidate Starts for Apocalypse_22:

(Start: 33 @15988 has 231 MA's), (80, 16105), (142, 16195), (Start: 155 @16216 has 1 MA's), (167, 16237), (181, 16264), (288, 16453), (332, 16519), (392, 16600), (433, 16675), (445, 16690), (513, 16801), (535, 16843), (580, 16936), (590, 16960), (648, 17053), (663, 17092), (668, 17110),

Gene: AppleCloud_20 Start: 15445, Stop: 16317, Start Num: 78

Candidate Starts for AppleCloud_20:

(Start: 78 @15445 has 85 MA's), (101, 15484), (163, 15571), (194, 15640), (249, 15718), (261, 15745), (332, 15856), (428, 15952), (529, 16081), (535, 16099), (571, 16168), (649, 16306),

Gene: Applecrisp_20 Start: 16530, Stop: 17666, Start Num: 33

Candidate Starts for Applecrisp_20:

(Start: 33 @16530 has 231 MA's), (80, 16647), (Start: 116 @16698 has 15 MA's), (181, 16806), (233, 16908), (234, 16911), (292, 17007), (332, 17061), (381, 17127), (390, 17139), (535, 17385), (537, 17388), (648, 17595), (663, 17634), (668, 17652),

Gene: Applejacks_17 Start: 14230, Stop: 15060, Start Num: 145

Candidate Starts for Applejacks_17:

(Start: 145 @14230 has 14 MA's), (172, 14275), (183, 14299), (221, 14362), (223, 14365), (260, 14434), (315, 14530), (384, 14626), (392, 14638), (423, 14677), (444, 14707), (538, 14863), (544, 14884), (564, 14914), (566, 14917), (586, 14953), (603, 14983),

Gene: Appletree2_17 Start: 15800, Stop: 16699, Start Num: 59

Candidate Starts for Appletree2_17:

(45, 15764), (47, 15767), (Start: 59 @15800 has 11 MA's), (Start: 70 @15818 has 85 MA's), (90, 15842), (Start: 108 @15872 has 38 MA's), (Start: 119 @15887 has 6 MA's), (Start: 145 @15920 has 14 MA's), (237, 16064), (281, 16145), (329, 16220), (332, 16223), (336, 16229), (368, 16274), (389, 16301), (429, 16334), (438, 16340), (459, 16373), (463, 16382), (491, 16409), (542, 16529), (571, 16577), (588, 16604), (620, 16643), (623, 16649), (647, 16688),

Gene: Apricot_18 Start: 15047, Stop: 15973, Start Num: 114

Candidate Starts for Apricot_18:

(Start: 114 @15047 has 61 MA's), (Start: 119 @15053 has 6 MA's), (140, 15083), (177, 15143), (190, 15167), (196, 15182), (204, 15197), (210, 15206), (217, 15218), (232, 15239), (239, 15257), (248, 15269), (277, 15314), (305, 15368), (307, 15371), (309, 15374), (317, 15386), (342, 15416), (352, 15434), (394, 15488), (401, 15500), (404, 15506), (422, 15527), (453, 15575), (459, 15593), (462, 15599), (469, 15614), (471, 15617), (545, 15770), (546, 15773), (550, 15779), (571, 15812), (583, 15830), (596, 15863), (631, 15914), (641, 15929), (658, 15965),

Gene: Aragog_23 Start: 18754, Stop: 19767, Start Num: 78

Candidate Starts for Aragog_23:

(Start: 78 @18754 has 85 MA's), (143, 18850), (163, 18883), (164, 18886), (183, 18925), (204, 18973), (306, 19126), (313, 19144), (332, 19168), (361, 19210), (519, 19522), (571, 19624), (586, 19651), (622, 19714),

Gene: ArcherNM_29 Start: 20956, Stop: 21969, Start Num: 71

Candidate Starts for ArcherNM_29:

(Start: 71 @20956 has 224 MA's), (143, 21049), (164, 21085), (183, 21124), (306, 21331), (329, 21370), (332, 21373), (364, 21418), (463, 21604), (480, 21637), (571, 21826),

Gene: Archetta_23 Start: 18467, Stop: 19480, Start Num: 78

Candidate Starts for Archetta_23:

(Start: 78 @18467 has 85 MA's), (143, 18563), (163, 18596), (164, 18599), (183, 18638), (204, 18686), (306, 18839), (313, 18857), (332, 18881), (361, 18923), (519, 19235), (571, 19337), (586, 19364),

Gene: ArchiDore_18 Start: 15181, Stop: 16242, Start Num: 76

Candidate Starts for ArchiDore_18:

(Start: 76 @15181 has 18 MA's), (142, 15274), (167, 15316), (190, 15364), (233, 15442), (268, 15502), (284, 15532), (293, 15556), (296, 15562), (348, 15634), (354, 15643), (356, 15646), (364, 15655), (394, 15697), (451, 15796), (484, 15865), (500, 15892), (511, 15913), (626, 16138), (662, 16210), (663, 16213),

Gene: Archie_17 Start: 16290, Stop: 17204, Start Num: 70

Candidate Starts for Archie_17:

(Start: 70 @16290 has 85 MA's), (90, 16314), (Start: 108 @16344 has 38 MA's), (164, 16425), (328, 16695), (329, 16698), (332, 16701), (416, 16788), (429, 16812), (438, 16818), (491, 16887), (502, 16905), (508, 16923), (509, 16926), (571, 17055), (588, 17082), (592, 17094), (647, 17184), (654, 17196),

Gene: Archimedes_15 Start: 13707, Stop: 14570, Start Num: 91

Candidate Starts for Archimedes_15:

(Start: 85 @13698 has 15 MA's), (Start: 91 @13707 has 13 MA's), (134, 13767), (216, 13914), (232, 13941), (272, 13983), (311, 14052), (347, 14088), (408, 14178), (448, 14235), (449, 14238), (513, 14325), (537, 14361), (548, 14391), (556, 14400),

Gene: Archis_19 Start: 16004, Stop: 16864, Start Num: 89

Candidate Starts for Archis_19:

(Start: 85 @15998 has 15 MA's), (Start: 89 @16004 has 29 MA's), (Start: 105 @16019 has 1 MA's), (186, 16160), (230, 16241), (280, 16298), (286, 16307), (306, 16340), (392, 16448), (447, 16532), (499, 16604), (578, 16733), (590, 16760), (603, 16775),

Gene: Arianna_18 Start: 16553, Stop: 17428, Start Num: 56

Candidate Starts for Arianna_18:

(Start: 54 @16550 has 3 MA's), (Start: 56 @16553 has 1 MA's), (Start: 119 @16637 has 6 MA's), (196, 16775), (416, 17063),

Gene: Arissanae_26 Start: 18593, Stop: 19615, Start Num: 71

Candidate Starts for Arissanae_26:

(Start: 71 @18593 has 224 MA's), (Start: 84 @18608 has 25 MA's), (86, 18611), (143, 18686), (285, 18938), (306, 18968), (332, 19010), (426, 19160), (450, 19205), (470, 19256), (474, 19262), (529, 19385), (571, 19472),

Gene: Aroostook_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Aroostook_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Arri_33 Start: 25616, Stop: 26560, Start Num: 99

Candidate Starts for Arri_33:

(Start: 99 @25616 has 32 MA's), (165, 25721), (201, 25790), (203, 25796), (217, 25820), (228, 25835), (462, 26195), (469, 26210), (485, 26228), (533, 26330), (548, 26372), (567, 26408), (623, 26504), (653, 26555),

Gene: Artemis2UCLA_30 Start: 18860, Stop: 19876, Start Num: 71

Candidate Starts for Artemis2UCLA_30:

(Start: 71 @18860 has 224 MA's), (86, 18878), (Start: 108 @18914 has 38 MA's), (143, 18953), (196, 19058), (306, 19235), (329, 19274), (332, 19277), (390, 19364), (403, 19385), (463, 19511), (502, 19583), (571, 19733), (576, 19742), (622, 19823),

Gene: Arti_40 Start: 28866, Stop: 29807, Start Num: 96

Candidate Starts for Arti_40:

(Start: 96 @28866 has 26 MA's), (152, 28953), (190, 29028), (Start: 226 @29094 has 1 MA's), (249, 29136), (282, 29193), (426, 29406), (447, 29433), (513, 29544), (580, 29676), (636, 29772),

Gene: Asapag_19 Start: 15508, Stop: 16431, Start Num: 116

Candidate Starts for Asapag_19:

(Start: 116 @15508 has 15 MA's), (Start: 119 @15511 has 6 MA's), (128, 15523), (140, 15541), (169, 15586), (190, 15625), (210, 15664), (232, 15697), (234, 15703), (277, 15772), (305, 15826), (307, 15829), (309, 15832), (317, 15844), (342, 15874), (352, 15892), (394, 15946), (401, 15958), (404, 15964), (422, 15985), (453, 16033), (462, 16057), (469, 16072), (471, 16075), (488, 16096), (545, 16228), (546, 16231), (550, 16237), (571, 16270), (583, 16288), (596, 16321), (631, 16372), (641, 16387), (658, 16423),

Gene: Asayake_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Asayake_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Ashertheman_34 Start: 28975, Stop: 29931, Start Num: 93

Candidate Starts for Ashertheman_34:

(Start: 93 @28975 has 57 MA's), (203, 29161), (210, 29173), (217, 29185), (228, 29200), (234, 29212), (253, 29239), (266, 29254), (280, 29281), (334, 29371), (360, 29407), (401, 29467), (414, 29491), (431, 29503), (462, 29563), (513, 29653), (561, 29767), (567, 29779), (602, 29845), (610, 29860), (629, 29884), (637, 29896),

Gene: Astro_23 Start: 17636, Stop: 18658, Start Num: 78

Candidate Starts for Astro_23:

(Start: 78 @17636 has 85 MA's), (159, 17759), (163, 17765), (196, 17837), (265, 17942), (279, 17969), (332, 18059), (451, 18260), (462, 18290), (463, 18293), (564, 18503), (586, 18542), (611, 18590), (622, 18605),

Gene: Atiba_22 Start: 15980, Stop: 17116, Start Num: 33

Candidate Starts for Atiba_22:

(Start: 33 @15980 has 231 MA's), (80, 16097), (142, 16187), (Start: 155 @16208 has 1 MA's), (167, 16229), (181, 16256), (332, 16511), (392, 16592), (433, 16667), (445, 16682), (513, 16793), (535, 16835), (580, 16928), (590, 16952), (648, 17045), (663, 17084), (668, 17102),

Gene: AuntGwenStacy_23 Start: 18613, Stop: 19611, Start Num: 57

Candidate Starts for AuntGwenStacy_23:

(Start: 57 @18613 has 5 MA's), (Start: 106 @18679 has 1 MA's), (165, 18769), (169, 18775), (191, 18823), (216, 18871), (232, 18898), (256, 18925), (257, 18928), (273, 18949), (301, 19000), (343, 19051), (349, 19060), (369, 19087), (412, 19162), (427, 19186), (499, 19276), (514, 19300), (515, 19303), (535, 19339), (557, 19393), (562, 19402), (586, 19444), (587, 19447), (640, 19528), (645, 19537), (663, 19582),

Gene: Auspice_27 Start: 21457, Stop: 22368, Start Num: 66

Candidate Starts for Auspice_27:

(Start: 66 @21457 has 21 MA's), (135, 21559), (150, 21577), (159, 21592), (196, 21664), (201, 21673), (257, 21751), (328, 21886), (329, 21889), (332, 21892), (380, 21961), (429, 22003), (438, 22009), (523, 22150), (533, 22171), (538, 22183), (616, 22306), (623, 22318),

Gene: AvadaKedavra_17 Start: 15865, Stop: 16746, Start Num: 70

Candidate Starts for AvadaKedavra_17:

(45, 15811), (Start: 59 @15847 has 11 MA's), (Start: 70 @15865 has 85 MA's), (90, 15889), (Start: 108 @15919 has 38 MA's), (Start: 119 @15934 has 6 MA's), (Start: 145 @15967 has 14 MA's), (237, 16111), (329, 16267), (332, 16270), (336, 16276), (368, 16321), (389, 16348), (438, 16387), (459, 16420), (463, 16429), (491, 16456), (542, 16576), (571, 16624), (620, 16690), (623, 16696), (647, 16735),

Gene: Avani_18 Start: 12813, Stop: 13742, Start Num: 108

Candidate Starts for Avani_18:

(Start: 108 @12813 has 38 MA's), (147, 12873), (177, 12924), (232, 13023), (234, 13029), (241, 13044), (317, 13164), (333, 13182), (381, 13248), (390, 13260), (421, 13305), (451, 13344), (453, 13350), (462, 13374), (463, 13377), (464, 13380), (469, 13389), (471, 13392), (510, 13458), (517, 13479), (518, 13482), (537, 13518), (545, 13545), (546, 13548), (571, 13587), (583, 13605), (585, 13611), (602, 13647), (606, 13653), (622, 13677), (627, 13683), (631, 13689),

Gene: Avocado_17 Start: 15733, Stop: 16914, Start Num: 34

Candidate Starts for Avocado_17:

(Start: 34 @15733 has 2 MA's), (80, 15862), (Start: 93 @15880 has 57 MA's), (127, 15931), (142, 15955), (167, 15997), (169, 16000), (180, 16021), (183, 16030), (200, 16066), (220, 16102), (224, 16108), (233, 16126), (270, 16177), (361, 16312), (399, 16366), (429, 16426), (513, 16591), (535, 16633), (571, 16711), (626, 16807), (628, 16810), (661, 16876),

Gene: Avrafan_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Avrafan_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Axym_17 Start: 14764, Stop: 15735, Start Num: 114

Candidate Starts for Axym_17:

(Start: 114 @14764 has 61 MA's), (144, 14809), (156, 14830), (190, 14893), (201, 14917), (217, 14947), (239, 14986), (272, 15025), (277, 15034), (278, 15037), (311, 15103), (342, 15151), (375, 15193), (404, 15241), (437, 15292), (462, 15352), (469, 15367), (471, 15370), (483, 15388), (486, 15394), (506, 15439), (517, 15466), (528, 15484), (545, 15535), (546, 15538), (562, 15568), (567, 15577), (576, 15592), (606, 15649), (639, 15697), (652, 15721), (654, 15727),

Gene: Ayanochan_29 Start: 20560, Stop: 21573, Start Num: 71

Candidate Starts for Ayanochan_29:

(Start: 71 @20560 has 224 MA's), (86, 20578), (127, 20635), (143, 20653), (164, 20689), (265, 20869), (285, 20905), (306, 20935), (332, 20977), (432, 21136), (502, 21280), (529, 21343), (564, 21418), (571, 21430), (585, 21454),

Gene: Ayotoya_21 Start: 17079, Stop: 18140, Start Num: 76

Candidate Starts for Ayotoya_21:

(Start: 76 @17079 has 18 MA's), (Start: 111 @17124 has 15 MA's), (130, 17154), (190, 17262), (274, 17412), (296, 17460), (356, 17544), (364, 17553), (394, 17595), (488, 17772), (526, 17841), (605, 18003), (626, 18036), (662, 18108), (663, 18111),

Gene: Azira_19 Start: 15745, Stop: 16710, Start Num: 114

Candidate Starts for Azira_19:

(Start: 114 @15745 has 61 MA's), (144, 15790), (165, 15826), (177, 15847), (190, 15874), (217, 15928), (272, 16009), (277, 16018), (278, 16021), (311, 16090), (342, 16138), (357, 16162), (404, 16228), (414, 16243), (447, 16282), (517, 16438), (545, 16504), (546, 16507), (548, 16510), (562, 16537), (567, 16546), (583, 16570), (596, 16603), (608, 16621), (635, 16666), (652, 16696), (654, 16702),

Gene: Aziz_31 Start: 22046, Stop: 22957, Start Num: 66

Candidate Starts for Aziz_31:

(Start: 66 @22046 has 21 MA's), (72, 22055), (Start: 108 @22109 has 38 MA's), (131, 22145), (135, 22148), (150, 22166), (159, 22181), (164, 22190), (194, 22250), (196, 22253), (329, 22478), (332, 22481), (351, 22511), (438, 22598), (523, 22739), (542, 22787), (562, 22820), (646, 22943),

Gene: Azula_20 Start: 16105, Stop: 16965, Start Num: 87

Candidate Starts for Azula_20:

(Start: 87 @16105 has 24 MA's), (Start: 105 @16120 has 1 MA's), (170, 16222), (186, 16261), (230, 16342), (297, 16426), (306, 16441), (392, 16549), (447, 16633), (496, 16699), (499, 16705), (529, 16744), (578, 16834), (603, 16876),

Gene: AzulaCat_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for AzulaCat_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: BABullseye_30 Start: 18959, Stop: 19972, Start Num: 71

Candidate Starts for BABullseye_30:

(Start: 71 @18959 has 224 MA's), (Start: 108 @19013 has 38 MA's), (143, 19052), (196, 19157), (285, 19304), (306, 19334), (329, 19373), (332, 19376), (364, 19421), (403, 19481), (502, 19679), (571, 19829), (576, 19838),

Gene: BBQValindra_18 Start: 15702, Stop: 16631, Start Num: 111

Candidate Starts for BBQValindra_18:

(21, 15468), (40, 15567), (Start: 94 @15681 has 5 MA's), (Start: 111 @15702 has 15 MA's), (Start: 119 @15711 has 6 MA's), (147, 15753), (Start: 155 @15765 has 1 MA's), (284, 15987), (323, 16056), (330, 16062), (337, 16071), (342, 16077), (362, 16107), (386, 16137), (404, 16167), (406, 16173), (453, 16236), (462, 16260), (497, 16317), (506, 16338), (537, 16404), (571, 16473), (633, 16578), (652, 16611),

Gene: BEEST_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for BEEST_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: BENtherdunthat_19 Start: 15508, Stop: 16431, Start Num: 116

Candidate Starts for BENtherdunthat_19:

(Start: 116 @15508 has 15 MA's), (Start: 119 @15511 has 6 MA's), (128, 15523), (140, 15541), (169, 15586), (190, 15625), (210, 15664), (232, 15697), (234, 15703), (277, 15772), (305, 15826), (307, 15829), (309, 15832), (317, 15844), (342, 15874), (352, 15892), (394, 15946), (401, 15958), (404, 15964), (422, 15985), (453, 16033), (462, 16057), (469, 16072), (471, 16075), (488, 16096), (545, 16228), (546, 16231), (550, 16237), (571, 16270), (583, 16288), (596, 16321), (631, 16372), (641, 16387), (658, 16423),

Gene: BGlluviae_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for BGlluviae_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: BPs_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for BPs_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: BQuat_17 Start: 15468, Stop: 16640, Start Num: 33

Candidate Starts for BQuat_17:

(5, 15135), (Start: 33 @15468 has 231 MA's), (80, 15588), (Start: 93 @15606 has 57 MA's), (124, 15651), (127, 15657), (165, 15720), (183, 15756), (218, 15825), (220, 15828), (232, 15849), (270, 15903), (292, 15948), (311, 15978), (390, 16080), (399, 16092), (404, 16104), (412, 16122), (496, 16287), (513, 16317), (526, 16335), (535, 16359), (591, 16479), (648, 16569), (661, 16602),

Gene: BabyBack_29 Start: 20784, Stop: 21794, Start Num: 71

Candidate Starts for BabyBack_29:

(Start: 71 @20784 has 224 MA's), (143, 20877), (164, 20913), (183, 20952), (306, 21159), (329, 21198), (332, 21201), (529, 21564), (571, 21651), (585, 21675),

Gene: BabyMoney_20 Start: 17148, Stop: 18008, Start Num: 89

Candidate Starts for BabyMoney_20:

(Start: 89 @17148 has 29 MA's), (95, 17154), (Start: 119 @17190 has 6 MA's), (121, 17193), (213, 17361), (222, 17376), (230, 17388), (303, 17484), (306, 17487), (310, 17496), (320, 17508), (332, 17523), (422, 17652), (512, 17772), (529, 17793), (537, 17814), (545, 17844), (605, 17934),

Gene: Bachita_49 Start: 29142, Stop: 30023, Start Num: 91

Candidate Starts for Bachita_49:

(Start: 91 @29142 has 13 MA's), (123, 29190), (142, 29217), (182, 29289), (215, 29355), (232, 29385), (312, 29493), (390, 29586), (405, 29610), (411, 29625), (471, 29721), (513, 29769), (611, 29949), (634, 29985),

Gene: Bachome_27 Start: 19727, Stop: 20749, Start Num: 71

Candidate Starts for Bachome_27:

(Start: 71 @19727 has 224 MA's), (Start: 108 @19784 has 38 MA's), (159, 19859), (234, 19988), (265, 20048), (297, 20108), (306, 20114), (332, 20156), (364, 20201), (368, 20207), (418, 20291), (439, 20324), (571, 20606), (576, 20615), (585, 20630), (622, 20696),

Gene: BackstagePass_18 Start: 15842, Stop: 16771, Start Num: 111

Candidate Starts for BackstagePass_18:

(Start: 111 @15842 has 15 MA's), (Start: 119 @15851 has 6 MA's), (147, 15893), (Start: 155 @15905 has 1 MA's), (232, 16043), (284, 16127), (323, 16196), (330, 16202), (337, 16211), (342, 16217), (362, 16247), (386, 16277), (404, 16307), (406, 16313), (453, 16376), (462, 16400), (497, 16457), (506, 16478), (537, 16544), (571, 16613), (652, 16751),

Gene: Bactobuster_28 Start: 20771, Stop: 21787, Start Num: 71

Candidate Starts for Bactobuster_28:

(Start: 71 @20771 has 224 MA's), (127, 20846), (143, 20864), (183, 20939), (265, 21080), (281, 21110), (306, 21146), (332, 21188), (392, 21278), (410, 21314), (418, 21329), (480, 21455), (519, 21542), (571, 21644), (585, 21668),

Gene: Baddon_33 Start: 29772, Stop: 30728, Start Num: 93

Candidate Starts for Baddon_33:

(Start: 93 @29772 has 57 MA's), (190, 29928), (203, 29958), (210, 29970), (212, 29973), (217, 29982), (228, 29997), (234, 30009), (334, 30168), (360, 30204), (401, 30264), (431, 30300), (462, 30360), (513, 30450), (548, 30540), (561, 30564), (567, 30576), (602, 30642), (610, 30657), (629, 30681), (637, 30693),

Gene: Baehexic_28 Start: 19662, Stop: 20678, Start Num: 71

Candidate Starts for Baehexic_28:

(Start: 71 @19662 has 224 MA's), (127, 19737), (143, 19755), (164, 19791), (183, 19830), (285, 20007), (306, 20037), (329, 20076), (332, 20079), (571, 20535), (585, 20559),

Gene: BaghaKamala_22 Start: 15980, Stop: 17116, Start Num: 33

Candidate Starts for BaghaKamala_22:

(Start: 33 @15980 has 231 MA's), (80, 16097), (142, 16187), (Start: 155 @16208 has 1 MA's), (167, 16229), (181, 16256), (332, 16511), (392, 16592), (433, 16667), (445, 16682), (513, 16793), (535, 16835), (580, 16928), (590, 16952), (648, 17045), (663, 17084), (668, 17102),

Gene: Bakery_31 Start: 24839, Stop: 25771, Start Num: 99

Candidate Starts for Bakery_31:

(Start: 99 @24839 has 32 MA's), (165, 24935), (201, 25004), (203, 25010), (210, 25022), (212, 25025), (217, 25034), (228, 25049), (334, 25223), (360, 25259), (451, 25376), (462, 25406), (533, 25541), (545, 25577), (561, 25607), (567, 25619), (608, 25694), (623, 25715),

Gene: Balloona_16 Start: 14468, Stop: 15424, Start Num: 114

Candidate Starts for Balloona_16:

(Start: 114 @14468 has 61 MA's), (144, 14513), (177, 14570), (190, 14597), (217, 14651), (234, 14678), (272, 14729), (274, 14732), (277, 14738), (278, 14741), (305, 14795), (312, 14810), (342, 14855), (357, 14879), (373, 14894), (404, 14945), (462, 15041), (546, 15227), (562, 15257), (567, 15266), (596, 15323), (631, 15374), (652, 15410), (654, 15416),

Gene: BananenDer11_20 Start: 16380, Stop: 17510, Start Num: 37

Candidate Starts for BananenDer11_20:

(Start: 37 @16380 has 23 MA's), (124, 16554), (165, 16620), (167, 16623), (181, 16650), (232, 16749), (292, 16851), (332, 16905), (357, 16935), (381, 16971), (383, 16974), (390, 16983), (431, 17058), (433, 17061), (453, 17097), (471, 17139), (496, 17157), (499, 17163), (513, 17187), (514, 17190), (535, 17229), (648, 17439), (663, 17478), (668, 17496),

Gene: Banquo_25 Start: 16992, Stop: 17822, Start Num: 151

Candidate Starts for Banquo_25:

(Start: 149 @16989 has 6 MA's), (Start: 151 @16992 has 5 MA's), (169, 17007), (183, 17037), (187, 17046), (197, 17070), (277, 17184), (280, 17190), (287, 17202), (292, 17214), (377, 17313), (429, 17400), (443, 17424), (500, 17508), (514, 17532), (515, 17535), (536, 17571), (579, 17652), (618, 17718), (634, 17742), (642, 17754), (644, 17757),

Gene: Bantam_29 Start: 26180, Stop: 27064, Start Num: 87

Candidate Starts for Bantam_29:

(Start: 87 @26180 has 24 MA's), (Start: 105 @26201 has 1 MA's), (182, 26327), (186, 26336), (269, 26456), (300, 26507), (306, 26516), (332, 26552), (390, 26624), (394, 26630), (471, 26759), (513,

26807), (548, 26882), (578, 26930),

Gene: Baoshan_16 Start: 15899, Stop: 16813, Start Num: 70

Candidate Starts for Baoshan_16:

(Start: 70 @15899 has 85 MA's), (90, 15923), (Start: 108 @15953 has 38 MA's), (164, 16034), (189, 16079), (328, 16304), (329, 16307), (332, 16310), (351, 16340), (416, 16397), (438, 16427), (491, 16496), (502, 16514), (533, 16589), (538, 16601), (571, 16664), (588, 16691), (623, 16754), (647, 16793), (654, 16805),

Gene: Barb_32 Start: 25634, Stop: 26578, Start Num: 99

Candidate Starts for Barb_32:

(Start: 99 @25634 has 32 MA's), (165, 25739), (201, 25808), (203, 25814), (217, 25838), (228, 25853), (462, 26213), (469, 26228), (485, 26246), (533, 26348), (548, 26390), (567, 26426), (623, 26522), (653, 26573),

Gene: Barco_18 Start: 15787, Stop: 16653, Start Num: 85

Candidate Starts for Barco_18:

(Start: 85 @15787 has 15 MA's), (Start: 89 @15793 has 29 MA's), (186, 15949), (230, 16030), (306, 16129), (392, 16237), (447, 16321), (499, 16393), (578, 16522), (590, 16549), (603, 16564),

Gene: Barkley26_17 Start: 15480, Stop: 16652, Start Num: 33

Candidate Starts for Barkley26_17:

(5, 15147), (Start: 33 @15480 has 231 MA's), (80, 15600), (Start: 93 @15618 has 57 MA's), (124, 15663), (127, 15669), (165, 15732), (183, 15768), (218, 15837), (220, 15840), (232, 15861), (270, 15915), (292, 15960), (311, 15990), (390, 16092), (399, 16104), (404, 16116), (412, 16134), (496, 16299), (513, 16329), (526, 16347), (535, 16371), (585, 16473), (591, 16491), (648, 16581), (661, 16614),

Gene: BarrelRoll_22 Start: 16003, Stop: 17139, Start Num: 33

Candidate Starts for BarrelRoll_22:

(Start: 33 @16003 has 231 MA's), (80, 16120), (142, 16210), (Start: 155 @16231 has 1 MA's), (167, 16252), (181, 16279), (332, 16534), (392, 16615), (433, 16690), (445, 16705), (513, 16816), (535, 16858), (580, 16951), (590, 16975), (648, 17068), (663, 17107), (668, 17125),

Gene: Barsten_34 Start: 29324, Stop: 30280, Start Num: 93

Candidate Starts for Barsten_34:

(Start: 93 @29324 has 57 MA's), (203, 29510), (210, 29522), (228, 29549), (238, 29570), (280, 29630), (331, 29717), (334, 29720), (360, 29756), (384, 29789), (394, 29804), (401, 29816), (425, 29846), (431, 29852), (462, 29912), (513, 30002), (548, 30092), (561, 30116), (567, 30128), (602, 30194), (637, 30245),

Gene: Battleship_30 Start: 18234, Stop: 19211, Start Num: 74

Candidate Starts for Battleship_30:

(Start: 74 @18234 has 22 MA's), (159, 18348), (163, 18354), (164, 18357), (292, 18591), (460, 18858), (498, 18912), (571, 19068),

Gene: Baudelaire_17 Start: 15428, Stop: 16309, Start Num: 70

Candidate Starts for Baudelaire_17:

(Start: 50 @15389 has 1 MA's), (55, 15404), (Start: 70 @15428 has 85 MA's), (90, 15452), (Start: 119 @15497 has 6 MA's), (127, 15512), (Start: 145 @15530 has 14 MA's), (189, 15608), (285, 15761), (290, 15770), (332, 15833), (429, 15944), (438, 15950), (442, 15956), (463, 15992), (491, 16019), (504, 16043), (510, 16061), (514, 16070), (515, 16073), (533, 16112), (542, 16139), (571, 16187), (586, 16208), (647, 16298),

Gene: Baumdotcom_33 Start: 28596, Stop: 29552, Start Num: 93

Candidate Starts for Baumdotcom_33:

(Start: 93 @28596 has 57 MA's), (203, 28782), (210, 28794), (217, 28806), (228, 28821), (234, 28833), (253, 28860), (266, 28875), (280, 28902), (334, 28992), (360, 29028), (401, 29088), (414, 29112), (431, 29124), (462, 29184), (513, 29274), (561, 29388), (567, 29400), (602, 29466), (610, 29481), (629, 29505), (637, 29517),

Gene: Bavilard_17 Start: 15254, Stop: 16210, Start Num: 114

Candidate Starts for Bavilard_17:

(Start: 114 @15254 has 61 MA's), (144, 15299), (177, 15356), (190, 15383), (217, 15437), (234, 15464), (272, 15515), (274, 15518), (277, 15524), (278, 15527), (305, 15581), (312, 15596), (342, 15641), (357, 15665), (373, 15680), (404, 15731), (462, 15827), (546, 16013), (562, 16043), (567, 16052), (583, 16076), (596, 16109), (652, 16196), (654, 16202),

Gene: Bazzle_17 Start: 16039, Stop: 16953, Start Num: 70

Candidate Starts for Bazzle_17:

(Start: 70 @16039 has 85 MA's), (90, 16063), (Start: 108 @16093 has 38 MA's), (189, 16219), (328, 16444), (329, 16447), (332, 16450), (416, 16537), (429, 16561), (438, 16567), (491, 16636), (502, 16654), (508, 16672), (509, 16675), (571, 16804), (588, 16831), (592, 16843), (647, 16933), (654, 16945),

Gene: BearBQ_18 Start: 16477, Stop: 17403, Start Num: 108

Candidate Starts for BearBQ_18:

(Start: 106 @16474 has 1 MA's), (Start: 108 @16477 has 38 MA's), (144, 16534), (202, 16636), (208, 16648), (225, 16672), (232, 16681), (233, 16684), (234, 16687), (278, 16750), (305, 16783), (320, 16804), (378, 16879), (388, 16891), (404, 16915), (425, 16942), (426, 16945), (449, 16975), (471, 17029), (484, 17053), (517, 17134), (537, 17176), (538, 17179), (540, 17188), (541, 17191), (545, 17203), (546, 17206), (554, 17218), (559, 17230), (571, 17251), (576, 17260), (583, 17269), (604, 17314), (606, 17317), (631, 17359), (635, 17365),

Gene: BeeGee_19 Start: 16625, Stop: 17533, Start Num: 108

Candidate Starts for BeeGee_19:

(Start: 108 @16625 has 38 MA's), (144, 16682), (221, 16817), (232, 16832), (233, 16835), (269, 16886), (352, 16994), (388, 17042), (404, 17066), (415, 17084), (422, 17090), (449, 17126), (517, 17282), (538, 17309), (541, 17321), (546, 17336), (571, 17381), (586, 17408), (604, 17444), (606, 17447), (627, 17483), (631, 17489), (635, 17495),

Gene: Beelzebub_53 Start: 26710, Stop: 27672, Start Num: 70

Candidate Starts for Beelzebub_53:

(Start: 70 @26710 has 85 MA's), (159, 26842), (174, 26866), (180, 26875), (182, 26881), (185, 26890), (196, 26914), (201, 26923), (206, 26935), (279, 27061), (321, 27142), (332, 27157), (336, 27163), (429, 27271), (514, 27397), (516, 27403), (593, 27553), (596, 27559), (605, 27571), (607, 27574), (657, 27661), (658, 27664), (659, 27667),

Gene: Beemo_28 Start: 20561, Stop: 21574, Start Num: 71

Candidate Starts for Beemo_28:

(Start: 71 @20561 has 224 MA's), (86, 20579), (127, 20636), (143, 20654), (164, 20690), (265, 20870), (285, 20906), (306, 20936), (332, 20978), (432, 21137), (502, 21281), (529, 21344), (564, 21419), (571, 21431), (585, 21455),

Gene: Beezoo_22 Start: 16027, Stop: 17163, Start Num: 33

Candidate Starts for Beezoo_22:

(Start: 33 @16027 has 231 MA's), (80, 16144), (142, 16234), (Start: 155 @16255 has 1 MA's), (167, 16276), (181, 16303), (332, 16558), (392, 16639), (433, 16714), (445, 16729), (513, 16840), (535, 16882), (580, 16975), (590, 16999), (648, 17092), (663, 17131), (668, 17149),

Gene: Begonia_19 Start: 16271, Stop: 17131, Start Num: 89

Candidate Starts for Begonia_19:

(Start: 85 @16265 has 15 MA's), (Start: 89 @16271 has 29 MA's), (186, 16427), (230, 16508), (306, 16607), (392, 16715), (447, 16799), (499, 16871), (578, 17000), (603, 17042),

Gene: Belenaria_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Belenaria_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: Bella96_22 Start: 15947, Stop: 17083, Start Num: 33

Candidate Starts for Bella96_22:

(Start: 33 @15947 has 231 MA's), (80, 16064), (142, 16154), (Start: 155 @16175 has 1 MA's), (167, 16196), (181, 16223), (292, 16424), (332, 16478), (392, 16559), (433, 16634), (445, 16649), (535, 16802), (580, 16895), (590, 16919), (648, 17012), (663, 17051), (668, 17069),

Gene: Belladonna_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Belladonna_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Bellis_18 Start: 16492, Stop: 17382, Start Num: 70

Candidate Starts for Bellis_18:

(Start: 70 @16492 has 85 MA's), (90, 16516), (Start: 119 @16561 has 6 MA's), (127, 16576), (Start: 145 @16597 has 14 MA's), (196, 16693), (285, 16828), (290, 16837), (329, 16897), (332, 16900), (336, 16906), (389, 16978), (429, 17011), (491, 17086), (515, 17140), (525, 17161), (544, 17212), (571, 17254), (647, 17365), (649, 17368),

Gene: Bellris_25 Start: 18587, Stop: 19609, Start Num: 71

Candidate Starts for Bellris_25:

(Start: 71 @18587 has 224 MA's), (86, 18605), (Start: 108 @18641 has 38 MA's), (127, 18662), (143, 18680), (196, 18785), (285, 18932), (306, 18962), (332, 19004), (403, 19109), (426, 19154), (450, 19199), (470, 19250), (474, 19256), (478, 19265), (529, 19379), (552, 19430), (564, 19454), (571, 19466), (622, 19556),

Gene: Belphegor_32 Start: 29032, Stop: 30018, Start Num: 84

Candidate Starts for Belphegor_32:

(Start: 84 @29032 has 25 MA's), (183, 29191), (214, 29251), (284, 29347), (286, 29350), (365, 29458), (377, 29479), (437, 29581), (453, 29617), (553, 29809), (565, 29833), (568, 29839), (577, 29854), (605, 29905), (625, 29938), (627, 29941), (664, 30007),

Gene: Benedict_23 Start: 17968, Stop: 18981, Start Num: 78

Candidate Starts for Benedict_23:

(Start: 78 @17968 has 85 MA's), (163, 18097), (164, 18100), (183, 18139), (265, 18274), (281, 18304), (297, 18334), (306, 18340), (313, 18358), (332, 18382), (361, 18424), (571, 18838), (622, 18928),

Gene: BengiVuitton_28 Start: 19613, Stop: 20623, Start Num: 71

Candidate Starts for BengiVuitton_28:

(Start: 71 @19613 has 224 MA's), (143, 19706), (164, 19742), (183, 19781), (306, 19988), (329, 20027), (332, 20030), (463, 20258), (480, 20291), (529, 20393), (537, 20414), (564, 20468), (571, 20480), (622, 20570),

Gene: BennyP_30 Start: 18966, Stop: 19979, Start Num: 71

Candidate Starts for BennyP_30:

(Start: 71 @18966 has 224 MA's), (Start: 108 @19020 has 38 MA's), (143, 19059), (196, 19164), (285, 19311), (306, 19341), (329, 19380), (332, 19383), (364, 19428), (403, 19488), (502, 19686), (571, 19836), (576, 19845),

Gene: Benvolio_27 Start: 19279, Stop: 20295, Start Num: 71

Candidate Starts for Benvolio_27:

(Start: 71 @19279 has 224 MA's), (127, 19354), (143, 19372), (164, 19408), (183, 19447), (306, 19654), (329, 19693), (332, 19696), (529, 20065), (564, 20140), (571, 20152),

Gene: Bern_22 Start: 15975, Stop: 17111, Start Num: 33

Candidate Starts for Bern_22:

(Start: 33 @15975 has 231 MA's), (80, 16092), (Start: 155 @16203 has 1 MA's), (167, 16224), (181, 16251), (292, 16452), (332, 16506), (392, 16587), (433, 16662), (445, 16677), (513, 16788), (535, 16830), (580, 16923), (590, 16947), (648, 17040), (663, 17079), (668, 17097),

Gene: Bernal13_18 Start: 16018, Stop: 16983, Start Num: 63

Candidate Starts for Bernal13_18:

(Start: 63 @16018 has 7 MA's), (Start: 84 @16045 has 25 MA's), (Start: 93 @16063 has 57 MA's), (203, 16240), (204, 16243), (249, 16318), (285, 16384), (294, 16411), (329, 16468), (336, 16477), (515, 16714), (527, 16738), (576, 16837), (586, 16858), (594, 16879), (618, 16918), (623, 16927),

Gene: BetterKatz_21 Start: 16552, Stop: 17613, Start Num: 76

Candidate Starts for BetterKatz_21:

(Start: 76 @16552 has 18 MA's), (Start: 111 @16597 has 15 MA's), (130, 16627), (190, 16735), (274, 16885), (296, 16933), (356, 17017), (364, 17026), (394, 17068), (488, 17245), (505, 17278), (526, 17314), (626, 17509), (662, 17581), (663, 17584),

Gene: BiPauneto_43 Start: 28641, Stop: 29561, Start Num: 100

Candidate Starts for BiPauneto_43:

(Start: 100 @28641 has 8 MA's), (152, 28722), (178, 28767), (209, 28836), (306, 29004), (370, 29088), (401, 29139), (426, 29172), (543, 29370), (550, 29388), (580, 29430), (632, 29520), (636, 29526), (648, 29547),

Gene: BiancaTri92_29 Start: 20966, Stop: 21976, Start Num: 71

Candidate Starts for BiancaTri92_29:

(Start: 71 @20966 has 224 MA's), (127, 21041), (143, 21059), (164, 21095), (183, 21134), (285, 21311), (306, 21341), (329, 21380), (332, 21383), (463, 21611), (529, 21746), (564, 21821), (571, 21833), (622, 21923),

Gene: Bibwit_33 Start: 29511, Stop: 30467, Start Num: 93

Candidate Starts for Bibwit_33:

(Start: 93 @29511 has 57 MA's), (203, 29697), (210, 29709), (228, 29736), (334, 29907), (360, 29943), (384, 29976), (394, 29991), (401, 30003), (425, 30033), (431, 30039), (462, 30099), (513, 30189), (548, 30279), (561, 30303), (567, 30315), (602, 30381), (637, 30432),

Gene: BigCheese_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for BigCheese_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: BigChungus_16 Start: 14508, Stop: 15464, Start Num: 114

Candidate Starts for BigChungus_16:

(Start: 114 @14508 has 61 MA's), (144, 14553), (177, 14610), (190, 14637), (217, 14691), (234, 14718), (272, 14769), (274, 14772), (277, 14778), (278, 14781), (305, 14835), (312, 14850), (342, 14895), (357, 14919), (404, 14985), (462, 15081), (546, 15267), (562, 15297), (567, 15306), (583, 15330), (596, 15363), (652, 15450), (654, 15456),

Gene: BigHunkinEater_36 Start: 29015, Stop: 29992, Start Num: 84

Candidate Starts for BigHunkinEater_36:

(Start: 84 @29015 has 25 MA's), (136, 29090), (144, 29102), (165, 29138), (183, 29174), (237, 29276), (284, 29330), (334, 29402), (379, 29465), (386, 29474), (418, 29531), (437, 29564), (452, 29597), (453, 29600), (486, 29657), (538, 29753), (549, 29786), (555, 29795), (568, 29816), (586, 29843), (595, 29864), (601, 29873), (605, 29879), (625, 29912), (627, 29915), (660, 29969), (664, 29981),

Gene: Biglebops_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for Biglebops_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: BillDoor_19 Start: 14397, Stop: 15368, Start Num: 114

Candidate Starts for BillDoor_19:

(Start: 114 @14397 has 61 MA's), (144, 14442), (156, 14463), (165, 14478), (177, 14499), (201, 14550), (217, 14580), (234, 14607), (272, 14658), (277, 14667), (278, 14670), (305, 14724), (311, 14736), (342, 14784), (404, 14874), (437, 14925), (451, 14955), (462, 14985), (471, 15003), (517, 15099), (528, 15117), (545, 15168), (546, 15171), (562, 15201), (567, 15210), (576, 15225), (606, 15282), (639, 15330), (652, 15354), (654, 15360),

Gene: Bipper_23 Start: 18745, Stop: 19743, Start Num: 57

Candidate Starts for Bipper_23:

(Start: 57 @18745 has 5 MA's), (Start: 106 @18811 has 1 MA's), (112, 18820), (Start: 155 @18883 has 1 MA's), (165, 18901), (169, 18907), (232, 19030), (256, 19057), (257, 19060), (273, 19081), (343, 19183), (349, 19192), (369, 19219), (412, 19294), (447, 19336), (463, 19363), (499, 19408), (514, 19432), (515, 19435), (538, 19477), (557, 19525), (562, 19534), (586, 19576), (591, 19588), (630, 19645), (663, 19714),

Gene: Birdsong_18 Start: 15370, Stop: 16296, Start Num: 108

Candidate Starts for Birdsong_18:

(Start: 106 @15367 has 1 MA's), (Start: 108 @15370 has 38 MA's), (144, 15427), (202, 15529), (208, 15541), (225, 15565), (232, 15574), (233, 15577), (234, 15580), (278, 15643), (305, 15676), (320, 15697), (337, 15712), (378, 15772), (388, 15784), (404, 15808), (425, 15835), (426, 15838), (449, 15868), (484, 15946), (517, 16027), (537, 16069), (538, 16072), (540, 16081), (541, 16084), (545, 16096), (546, 16099), (554, 16111), (559, 16123), (571, 16144), (576, 16153), (583, 16162), (604, 16207), (606, 16210), (609, 16216), (631, 16252), (635, 16258),

Gene: Biskit_18 Start: 14412, Stop: 15383, Start Num: 114

Candidate Starts for Biskit_18:

(Start: 114 @14412 has 61 MA's), (144, 14457), (156, 14478), (190, 14541), (201, 14565), (217, 14595), (272, 14673), (277, 14682), (278, 14685), (311, 14751), (342, 14799), (375, 14841), (394, 14871), (404, 14889), (437, 14940), (462, 15000), (469, 15015), (471, 15018), (486, 15042), (517, 15114), (528, 15132), (545, 15183), (546, 15186), (562, 15216), (567, 15225), (576, 15240), (606, 15297), (639, 15345), (652, 15369), (654, 15375),

Gene: Bizzy_34 Start: 28919, Stop: 29875, Start Num: 93

Candidate Starts for Bizzy_34:

(Start: 93 @28919 has 57 MA's), (190, 29075), (203, 29105), (210, 29117), (217, 29129), (228, 29144), (234, 29156), (334, 29315), (360, 29351), (401, 29411), (431, 29447), (462, 29507), (513, 29597), (548, 29687), (561, 29711), (567, 29723), (602, 29789), (610, 29804), (629, 29828), (637, 29840),

Gene: Blackbeetle_49 Start: 25756, Stop: 26718, Start Num: 70

Candidate Starts for Blackbeetle_49:

(Start: 70 @25756 has 85 MA's), (159, 25888), (174, 25912), (180, 25921), (182, 25927), (185, 25936), (196, 25960), (201, 25969), (206, 25981), (211, 25993), (279, 26107), (321, 26188), (332, 26203), (336, 26209), (429, 26317), (514, 26443), (516, 26449), (593, 26599), (596, 26605), (605, 26617), (607, 26620), (657, 26707), (658, 26710), (659, 26713),

Gene: Blarby_19 Start: 13331, Stop: 14263, Start Num: 108

Candidate Starts for Blarby_19:

(Start: 108 @13331 has 38 MA's), (177, 13442), (232, 13541), (234, 13547), (241, 13562), (274, 13604), (317, 13682), (333, 13700), (381, 13766), (421, 13823), (451, 13862), (462, 13892), (469, 13907), (471, 13910), (488, 13931), (510, 13976), (517, 13997), (518, 14000), (537, 14036), (545, 14063), (546, 14066), (571, 14105), (583, 14123), (602, 14165), (622, 14195), (623, 14198), (627, 14204), (631, 14210),

Gene: BlessJoy_30 Start: 18958, Stop: 19974, Start Num: 71

Candidate Starts for BlessJoy_30:

(Start: 71 @18958 has 224 MA's), (86, 18976), (Start: 108 @19012 has 38 MA's), (143, 19051), (196, 19156), (306, 19333), (329, 19372), (332, 19375), (390, 19462), (403, 19483), (463, 19609), (502, 19681), (571, 19831), (576, 19840), (622, 19921),

Gene: BlingBling_18 Start: 15793, Stop: 16653, Start Num: 89

Candidate Starts for BlingBling_18:

(Start: 85 @15787 has 15 MA's), (Start: 89 @15793 has 29 MA's), (186, 15949), (230, 16030), (306, 16129), (392, 16237), (447, 16321), (499, 16393), (578, 16522), (590, 16549), (603, 16564),

Gene: Blinn1_30 Start: 19032, Stop: 20045, Start Num: 71

Candidate Starts for Blinn1_30:

(Start: 71 @19032 has 224 MA's), (Start: 108 @19086 has 38 MA's), (143, 19125), (164, 19161), (196, 19230), (285, 19377), (306, 19407), (329, 19446), (332, 19449), (364, 19494), (403, 19554), (463, 19680), (502, 19752), (571, 19902), (576, 19911),

Gene: Blino_18 Start: 15761, Stop: 16621, Start Num: 89

Candidate Starts for Blino_18:

(Start: 85 @15755 has 15 MA's), (Start: 89 @15761 has 29 MA's), (186, 15917), (230, 15998), (306, 16097), (392, 16205), (447, 16289), (496, 16355), (499, 16361), (578, 16490), (603, 16532),

Gene: Blizzard_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Blizzard_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535,

16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Blondies_18 Start: 14395, Stop: 15366, Start Num: 114

Candidate Starts for Blondies_18:

(Start: 114 @14395 has 61 MA's), (144, 14440), (156, 14461), (190, 14524), (201, 14548), (217, 14578), (272, 14656), (277, 14665), (278, 14668), (311, 14734), (342, 14782), (375, 14824), (394, 14854), (404, 14872), (437, 14923), (462, 14983), (469, 14998), (471, 15001), (486, 15025), (517, 15097), (528, 15115), (545, 15166), (546, 15169), (562, 15199), (567, 15208), (576, 15223), (606, 15280), (639, 15328), (652, 15352), (654, 15358),

Gene: BloominB_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for BloominB_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Blue7_30 Start: 18950, Stop: 19966, Start Num: 71

Candidate Starts for Blue7_30:

(Start: 71 @18950 has 224 MA's), (86, 18968), (Start: 108 @19004 has 38 MA's), (143, 19043), (196, 19148), (306, 19325), (329, 19364), (332, 19367), (390, 19454), (403, 19475), (463, 19601), (502, 19673), (571, 19823), (576, 19832), (622, 19913),

Gene: BlueNGold_99 Start: 59080, Stop: 60015, Start Num: 94

Candidate Starts for BlueNGold_99:

(Start: 94 @59080 has 5 MA's), (107, 59095), (110, 59101), (115, 59107), (180, 59224), (181, 59227), (203, 59278), (228, 59314), (326, 59449), (356, 59485), (377, 59515), (514, 59767), (538, 59812), (547, 59842), (551, 59848), (568, 59875), (590, 59914), (633, 59983),

Gene: Blueberry_20 Start: 16105, Stop: 16965, Start Num: 87

Candidate Starts for Blueberry_20:

(Start: 87 @16105 has 24 MA's), (Start: 105 @16120 has 1 MA's), (170, 16222), (186, 16261), (230, 16342), (297, 16426), (306, 16441), (392, 16549), (447, 16633), (496, 16699), (499, 16705), (529, 16744), (578, 16834), (603, 16876),

Gene: Bluefalcon_22 Start: 18724, Stop: 19737, Start Num: 78

Candidate Starts for Bluefalcon_22:

(Start: 78 @18724 has 85 MA's), (143, 18820), (163, 18853), (164, 18856), (183, 18895), (204, 18943), (306, 19096), (313, 19114), (332, 19138), (361, 19180), (519, 19492), (571, 19594), (586, 19621),

Gene: BobBob_31 Start: 28792, Stop: 29748, Start Num: 93

Candidate Starts for BobBob_31:

(Start: 93 @28792 has 57 MA's), (203, 28978), (210, 28990), (228, 29017), (238, 29038), (280, 29098), (334, 29188), (360, 29224), (384, 29257), (394, 29272), (401, 29284), (425, 29314), (431, 29320), (462, 29380), (513, 29470), (548, 29560), (561, 29584), (567, 29596), (602, 29662), (610, 29677), (629, 29701), (637, 29713), (653, 29743),

Gene: BobSwaget_30 Start: 20811, Stop: 21821, Start Num: 71

Candidate Starts for BobSwaget_30:

(Start: 71 @20811 has 224 MA's), (143, 20904), (164, 20940), (183, 20979), (306, 21186), (329, 21225), (332, 21228), (364, 21273), (418, 21363), (463, 21456), (480, 21489), (529, 21591), (564, 21666), (571, 21678), (622, 21768),

Gene: BobbyDazzler_22 Start: 15525, Stop: 16397, Start Num: 78

Candidate Starts for BobbyDazzler_22:

(Start: 78 @15525 has 85 MA's), (101, 15564), (159, 15645), (163, 15651), (194, 15720), (249, 15798), (261, 15825), (332, 15936), (428, 16032), (529, 16161), (535, 16179), (571, 16248), (649, 16386),

Gene: Bobquesha_24 Start: 17234, Stop: 18367, Start Num: 33

Candidate Starts for Bobquesha_24:

(Start: 33 @17234 has 231 MA's), (38, 17252), (Start: 59 @17324 has 11 MA's), (80, 17354), (142, 17444), (147, 17453), (167, 17486), (180, 17510), (233, 17615), (332, 17768), (386, 17837), (390, 17843), (471, 17996), (496, 18014), (513, 18044), (535, 18086), (537, 18089), (640, 18281), (648, 18296), (663, 18335), (668, 18353),

Gene: BobsGarage_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for BobsGarage_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Bock_21 Start: 16302, Stop: 17363, Start Num: 76

Candidate Starts for Bock_21:

(Start: 76 @16302 has 18 MA's), (Start: 111 @16347 has 15 MA's), (130, 16377), (183, 16470), (190, 16485), (274, 16635), (296, 16683), (356, 16767), (364, 16776), (394, 16818), (488, 16995), (505, 17028), (526, 17064), (626, 17259), (662, 17331), (663, 17334),

Gene: BogosyJay_28 Start: 20290, Stop: 21312, Start Num: 71

Candidate Starts for BogosyJay_28:

(Start: 71 @20290 has 224 MA's), (86, 20308), (127, 20365), (143, 20383), (164, 20419), (265, 20599), (285, 20635), (306, 20665), (332, 20707), (432, 20866), (470, 20953), (571, 21169), (585, 21193),

Gene: Boiiii_22 Start: 16053, Stop: 17189, Start Num: 33

Candidate Starts for Boiiii_22:

(Start: 33 @16053 has 231 MA's), (80, 16170), (142, 16260), (Start: 155 @16281 has 1 MA's), (167, 16302), (181, 16329), (332, 16584), (392, 16665), (433, 16740), (445, 16755), (513, 16866), (535, 16908), (580, 17001), (590, 17025), (648, 17118), (663, 17157), (668, 17175),

Gene: Boilgate_19 Start: 16429, Stop: 17568, Start Num: 29

Candidate Starts for Boilgate_19:

(Start: 29 @16429 has 1 MA's), (38, 16453), (Start: 59 @16525 has 11 MA's), (80, 16555), (Start: 83 @16561 has 2 MA's), (124, 16618), (165, 16684), (167, 16687), (180, 16711), (188, 16729), (204, 16768), (230, 16807), (232, 16813), (250, 16846), (292, 16915), (332, 16969), (372, 17017), (383, 17035), (386, 17038), (390, 17044), (499, 17221), (513, 17245), (535, 17287), (537, 17290), (545, 17320), (557, 17341), (580, 17380), (586, 17392), (587, 17395), (640, 17482), (648, 17497), (663, 17536), (668, 17554),

Gene: Bonamassa_23 Start: 18648, Stop: 19661, Start Num: 78

Candidate Starts for Bonamassa_23:

(Start: 78 @18648 has 85 MA's), (143, 18744), (163, 18777), (164, 18780), (265, 18954), (297, 19014), (306, 19020), (313, 19038), (332, 19062), (361, 19104), (519, 19416), (571, 19518), (622, 19608),

Gene: Bonanza_22 Start: 15454, Stop: 16326, Start Num: 78

Candidate Starts for Bonanza_22:

(Start: 78 @15454 has 85 MA's), (101, 15493), (159, 15574), (163, 15580), (194, 15649), (249, 15727), (261, 15754), (332, 15865), (428, 15961), (529, 16090), (535, 16108), (571, 16177), (649, 16315),

Gene: Bongo_27 Start: 21457, Stop: 22368, Start Num: 66

Candidate Starts for Bongo_27:

(Start: 66 @21457 has 21 MA's), (135, 21559), (150, 21577), (159, 21592), (196, 21664), (201, 21673), (257, 21751), (328, 21886), (329, 21889), (332, 21892), (380, 21961), (429, 22003), (438, 22009), (523, 22150), (533, 22171), (538, 22183), (616, 22306), (623, 22318),

Gene: Bonum_43 Start: 29225, Stop: 30142, Start Num: 97

Candidate Starts for Bonum_43:

(Start: 97 @29225 has 6 MA's), (152, 29306), (173, 29342), (249, 29489), (401, 29723), (422, 29750), (453, 29801), (513, 29894), (580, 30011), (636, 30107), (640, 30113), (648, 30128),

Gene: Boohoo_29 Start: 18122, Stop: 19099, Start Num: 74

Candidate Starts for Boohoo_29:

(Start: 74 @18122 has 22 MA's), (159, 18236), (163, 18242), (164, 18245), (292, 18479), (460, 18746), (498, 18800), (571, 18956),

Gene: Boopy_100 Start: 59092, Stop: 60027, Start Num: 94

Candidate Starts for Boopy_100:

(Start: 94 @59092 has 5 MA's), (107, 59107), (110, 59113), (115, 59119), (180, 59236), (181, 59239), (203, 59290), (228, 59326), (326, 59461), (356, 59497), (377, 59527), (514, 59779), (538, 59824), (547, 59854), (551, 59860), (568, 59887), (590, 59926), (633, 59995),

Gene: BoostSeason_18 Start: 13915, Stop: 15042, Start Num: 35

Candidate Starts for BoostSeason_18:

(Start: 35 @13915 has 11 MA's), (38, 13924), (80, 14026), (142, 14116), (167, 14158), (181, 14185), (230, 14278), (232, 14284), (273, 14347), (292, 14386), (332, 14440), (390, 14518), (417, 14569), (431, 14593), (471, 14671), (496, 14689), (513, 14719), (535, 14761), (537, 14764), (590, 14878), (640, 14956), (648, 14971), (663, 15010), (668, 15028),

Gene: BotCity_19 Start: 15506, Stop: 16429, Start Num: 116

Candidate Starts for BotCity_19:

(Start: 116 @15506 has 15 MA's), (Start: 119 @15509 has 6 MA's), (128, 15521), (140, 15539), (169, 15584), (190, 15623), (210, 15662), (232, 15695), (234, 15701), (277, 15770), (305, 15824), (307, 15827), (309, 15830), (317, 15842), (342, 15872), (352, 15890), (394, 15944), (401, 15956), (404, 15962), (422, 15983), (453, 16031), (462, 16055), (469, 16070), (471, 16073), (488, 16094), (545, 16226), (546, 16229), (550, 16235), (571, 16268), (583, 16286), (596, 16319), (631, 16370), (641, 16385), (658, 16421),

Gene: BourbonZero_17 Start: 16488, Stop: 17378, Start Num: 70

Candidate Starts for BourbonZero_17:

(Start: 70 @16488 has 85 MA's), (90, 16512), (Start: 119 @16557 has 6 MA's), (127, 16572), (Start: 145 @16593 has 14 MA's), (196, 16689), (201, 16698), (285, 16824), (290, 16833), (329, 16893), (332, 16896), (336, 16902), (389, 16974), (429, 17007), (442, 17019), (491, 17082), (525, 17157), (544, 17208), (571, 17250), (647, 17361), (649, 17364),

Gene: Bowser_18 Start: 15695, Stop: 16621, Start Num: 111

Candidate Starts for Bowser_18:

(12, 15356), (17, 15431), (Start: 94 @15677 has 5 MA's), (Start: 111 @15695 has 15 MA's), (Start: 119 @15704 has 6 MA's), (147, 15746), (Start: 155 @15758 has 1 MA's), (284, 15980), (307, 16025), (323, 16049), (330, 16055), (337, 16064), (342, 16070), (362, 16100), (386, 16130), (404, 16160), (406,

16166), (452, 16226), (453, 16229), (462, 16253), (497, 16310), (506, 16331), (537, 16397), (571, 16466), (598, 16520), (652, 16604),

Gene: Bowtie_27 Start: 19736, Stop: 20758, Start Num: 71

Candidate Starts for Bowtie_27:

(Start: 71 @19736 has 224 MA's), (Start: 108 @19793 has 38 MA's), (159, 19868), (234, 19997), (265, 20057), (297, 20117), (306, 20123), (332, 20165), (364, 20210), (368, 20216), (418, 20300), (439, 20333), (571, 20615), (576, 20624), (585, 20639), (622, 20705),

Gene: Bradissa_19 Start: 16808, Stop: 17716, Start Num: 108

Candidate Starts for Bradissa_19:

(Start: 108 @16808 has 38 MA's), (144, 16865), (232, 17015), (233, 17018), (269, 17069), (320, 17138), (352, 17177), (388, 17225), (404, 17249), (422, 17273), (517, 17465), (538, 17492), (540, 17501), (541, 17504), (546, 17519), (569, 17561), (571, 17564), (586, 17591), (604, 17627), (610, 17639), (631, 17672), (635, 17678),

Gene: Bradman_26 Start: 18067, Stop: 19077, Start Num: 71

Candidate Starts for Bradman_26:

(Start: 71 @18067 has 224 MA's), (Start: 108 @18121 has 38 MA's), (127, 18142), (143, 18160), (183, 18235), (306, 18442), (329, 18481), (332, 18484), (364, 18529), (463, 18712), (480, 18745), (529, 18847), (571, 18934), (622, 19024),

Gene: Bradshaw_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Bradshaw_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (265, 15786), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: BrainDrainer_18 Start: 15831, Stop: 16718, Start Num: 70

Candidate Starts for BrainDrainer_18:

(Start: 70 @15831 has 85 MA's), (90, 15855), (Start: 106 @15882 has 1 MA's), (Start: 108 @15885 has 38 MA's), (Start: 119 @15900 has 6 MA's), (Start: 145 @15933 has 14 MA's), (196, 16029), (285, 16164), (290, 16173), (329, 16233), (332, 16236), (389, 16314), (418, 16329), (438, 16353), (459, 16386), (491, 16422), (504, 16446), (510, 16464), (514, 16473), (533, 16515), (542, 16542), (571, 16590), (588, 16617), (647, 16701),

Gene: Brandonk123_35 Start: 29858, Stop: 30814, Start Num: 93

Candidate Starts for Brandonk123_35:

(Start: 93 @29858 has 57 MA's), (203, 30044), (210, 30056), (228, 30083), (238, 30104), (280, 30164), (334, 30254), (360, 30290), (384, 30323), (394, 30338), (401, 30350), (425, 30380), (431, 30386), (462, 30446), (513, 30536), (548, 30626), (561, 30650), (567, 30662), (602, 30728), (629, 30767), (637, 30779),

Gene: Braxoaddie_44 Start: 30405, Stop: 31331, Start Num: 93

Candidate Starts for Braxoaddie_44:

(Start: 93 @30405 has 57 MA's), (Start: 125 @30441 has 2 MA's), (190, 30558), (209, 30597), (220, 30615), (249, 30666), (306, 30765), (363, 30840), (370, 30849), (414, 30924), (426, 30945), (513, 31083), (535, 31119), (548, 31158), (580, 31200), (613, 31263), (636, 31296),

Gene: Breezona_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for Breezona_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438,

16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Bricole_27 Start: 21443, Stop: 22354, Start Num: 66

Candidate Starts for Bricole_27:

(Start: 66 @21443 has 21 MA's), (135, 21545), (150, 21563), (159, 21578), (196, 21650), (201, 21659), (257, 21737), (328, 21872), (329, 21875), (332, 21878), (380, 21947), (429, 21989), (438, 21995), (523, 22136), (533, 22157), (538, 22169), (616, 22292), (623, 22304),

Gene: BritBrat_19 Start: 16661, Stop: 17569, Start Num: 108

Candidate Starts for BritBrat_19:

(Start: 108 @16661 has 38 MA's), (144, 16718), (221, 16853), (232, 16868), (233, 16871), (269, 16922), (352, 17030), (388, 17078), (404, 17102), (415, 17120), (422, 17126), (449, 17162), (517, 17318), (538, 17345), (541, 17357), (546, 17372), (571, 17417), (583, 17435), (586, 17444), (604, 17480), (606, 17483), (627, 17519), (631, 17525), (635, 17531),

Gene: Bromden_18 Start: 16160, Stop: 17047, Start Num: 70

Candidate Starts for Bromden_18:

(Start: 70 @16160 has 85 MA's), (90, 16184), (Start: 106 @16211 has 1 MA's), (Start: 108 @16214 has 38 MA's), (Start: 119 @16229 has 6 MA's), (Start: 145 @16262 has 14 MA's), (196, 16358), (285, 16493), (290, 16502), (332, 16565), (389, 16643), (418, 16658), (438, 16682), (491, 16751), (504, 16775), (510, 16793), (515, 16805), (542, 16871), (571, 16919), (588, 16946), (647, 17030),

Gene: BruceB_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for BruceB_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: BrutonGaster_35 Start: 25054, Stop: 25935, Start Num: 91

Candidate Starts for BrutonGaster_35:

(Start: 63 @25015 has 7 MA's), (Start: 78 @25036 has 85 MA's), (Start: 91 @25054 has 13 MA's), (123, 25102), (182, 25201), (271, 25333), (349, 25444), (390, 25498), (405, 25522), (411, 25537), (471, 25633), (513, 25681), (529, 25699), (603, 25846), (632, 25894), (634, 25897),

Gene: Bryce_22 Start: 15454, Stop: 16326, Start Num: 78

Candidate Starts for Bryce_22:

(Start: 78 @15454 has 85 MA's), (101, 15493), (159, 15574), (163, 15580), (194, 15649), (249, 15727), (261, 15754), (332, 15865), (428, 15961), (529, 16090), (535, 16108), (564, 16165), (571, 16177), (649, 16315),

Gene: Bryler_21 Start: 15211, Stop: 16350, Start Num: 33

Candidate Starts for Bryler_21:

(Start: 33 @15211 has 231 MA's), (80, 15331), (142, 15421), (181, 15490), (292, 15691), (445, 15916), (469, 15976), (496, 15997), (535, 16069), (537, 16072), (538, 16075), (580, 16162), (590, 16186), (640, 16264), (648, 16279), (663, 16318), (668, 16336),

Gene: Brylie_21 Start: 16293, Stop: 17354, Start Num: 76

Candidate Starts for Brylie_21:

(Start: 76 @16293 has 18 MA's), (Start: 111 @16338 has 15 MA's), (130, 16368), (190, 16476), (274, 16626), (296, 16674), (356, 16758), (364, 16767), (394, 16809), (488, 16986), (505, 17019), (526, 17055), (626, 17250), (662, 17322), (663, 17325),

Gene: Bubble_17 Start: 14764, Stop: 15735, Start Num: 114

Candidate Starts for Bubble_17:

(Start: 114 @14764 has 61 MA's), (144, 14809), (156, 14830), (190, 14893), (201, 14917), (217, 14947), (239, 14986), (272, 15025), (277, 15034), (278, 15037), (311, 15103), (342, 15151), (375, 15193), (404, 15241), (437, 15292), (462, 15352), (469, 15367), (471, 15370), (483, 15388), (486, 15394), (506, 15439), (517, 15466), (528, 15484), (546, 15538), (562, 15568), (567, 15577), (576, 15592), (606, 15649), (639, 15697), (652, 15721), (654, 15727),

Gene: Bud_27 Start: 19742, Stop: 20764, Start Num: 71

Candidate Starts for Bud_27:

(Start: 71 @19742 has 224 MA's), (Start: 108 @19799 has 38 MA's), (159, 19874), (234, 20003), (265, 20063), (297, 20123), (306, 20129), (332, 20171), (364, 20216), (368, 20222), (418, 20306), (439, 20339), (571, 20621), (576, 20630), (585, 20645), (622, 20711),

Gene: Budski_19 Start: 15501, Stop: 16424, Start Num: 116

Candidate Starts for Budski_19:

(Start: 116 @15501 has 15 MA's), (Start: 119 @15504 has 6 MA's), (128, 15516), (140, 15534), (169, 15579), (190, 15618), (210, 15657), (232, 15690), (234, 15696), (277, 15765), (305, 15819), (307, 15822), (309, 15825), (317, 15837), (333, 15855), (337, 15861), (342, 15867), (352, 15885), (394, 15939), (401, 15951), (404, 15957), (422, 15978), (453, 16026), (459, 16044), (462, 16050), (469, 16065), (471, 16068), (545, 16221), (546, 16224), (550, 16230), (571, 16263), (583, 16281), (596, 16314), (631, 16365), (641, 16380), (658, 16416),

Gene: Buggaboo_41 Start: 29704, Stop: 30621, Start Num: 97

Candidate Starts for Buggaboo_41:

(Start: 97 @29704 has 6 MA's), (152, 29785), (173, 29821), (216, 29911), (249, 29968), (401, 30202), (422, 30229), (453, 30280), (513, 30373), (580, 30490), (636, 30586), (640, 30592), (648, 30607),

Gene: Bugsy_29 Start: 19683, Stop: 20699, Start Num: 71

Candidate Starts for Bugsy_29:

(Start: 71 @19683 has 224 MA's), (127, 19758), (143, 19776), (164, 19812), (183, 19851), (306, 20058), (329, 20097), (332, 20100), (390, 20187), (480, 20367), (529, 20469), (564, 20544), (571, 20556),

Gene: Bunker_18 Start: 15822, Stop: 16751, Start Num: 111

Candidate Starts for Bunker_18:

(19, 15585), (Start: 94 @15801 has 5 MA's), (Start: 111 @15822 has 15 MA's), (Start: 119 @15831 has 6 MA's), (147, 15873), (Start: 155 @15885 has 1 MA's), (284, 16107), (307, 16152), (323, 16176), (330, 16182), (337, 16191), (342, 16197), (362, 16227), (386, 16257), (404, 16287), (406, 16293), (453, 16356), (462, 16380), (497, 16437), (506, 16458), (537, 16524), (571, 16593), (652, 16731),

Gene: Burnsey_17 Start: 14765, Stop: 15736, Start Num: 114

Candidate Starts for Burnsey_17:

(Start: 114 @14765 has 61 MA's), (144, 14810), (156, 14831), (190, 14894), (201, 14918), (217, 14948), (239, 14987), (272, 15026), (277, 15035), (278, 15038), (311, 15104), (342, 15152), (375, 15194), (404, 15242), (437, 15293), (462, 15353), (469, 15368), (471, 15371), (483, 15389), (486, 15395), (506, 15440), (517, 15467), (528, 15485), (546, 15539), (562, 15569), (567, 15578), (576, 15593), (606, 15650), (639, 15698), (652, 15722), (654, 15728),

Gene: Button_18 Start: 13831, Stop: 14790, Start Num: 114

Candidate Starts for Button_18:

(Start: 114 @13831 has 61 MA's), (146, 13879), (147, 13882), (190, 13960), (237, 14047), (277, 14101), (312, 14173), (327, 14197), (342, 14218), (404, 14308), (425, 14323), (431, 14338), (462, 14410), (506, 14497), (545, 14590), (546, 14593), (562, 14623), (567, 14632), (583, 14656), (596, 14689), (602, 14698), (606, 14704), (641, 14755), (652, 14776), (654, 14782),

Gene: Buttrmlkdreams_17 Start: 14394, Stop: 15365, Start Num: 114

Candidate Starts for Buttrmlkdreams_17:

(Start: 114 @14394 has 61 MA's), (144, 14439), (156, 14460), (190, 14523), (201, 14547), (217, 14577), (272, 14655), (277, 14664), (278, 14667), (311, 14733), (342, 14781), (375, 14823), (394, 14853), (404, 14871), (437, 14922), (462, 14982), (469, 14997), (471, 15000), (486, 15024), (517, 15096), (528, 15114), (545, 15165), (546, 15168), (562, 15198), (567, 15207), (576, 15222), (606, 15279), (639, 15327), (652, 15351), (654, 15357),

Gene: C3_25 Start: 19185, Stop: 20195, Start Num: 71

Candidate Starts for C3_25:

(Start: 71 @19185 has 224 MA's), (Start: 108 @19239 has 38 MA's), (127, 19260), (143, 19278), (240, 19449), (306, 19560), (329, 19599), (332, 19602), (364, 19647), (418, 19737), (519, 19950), (529, 19965), (564, 20040), (571, 20052), (585, 20076), (622, 20142),

Gene: C3PO_30 Start: 27616, Stop: 28482, Start Num: 85

Candidate Starts for C3PO_30:

(Start: 85 @27616 has 15 MA's), (102, 27640), (131, 27685), (165, 27745), (184, 27784), (235, 27880), (332, 28042), (358, 28075), (422, 28150), (443, 28174), (529, 28249), (554, 28315), (580, 28351), (591, 28378), (628, 28435),

Gene: CLED96_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for CLED96_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: CRB1_27 Start: 19176, Stop: 20186, Start Num: 71

Candidate Starts for CRB1_27:

(Start: 71 @19176 has 224 MA's), (Start: 108 @19230 has 38 MA's), (143, 19269), (183, 19344), (265, 19485), (306, 19551), (329, 19590), (332, 19593), (463, 19821), (529, 19956), (537, 19977), (564, 20031), (571, 20043), (622, 20133),

Gene: CREW_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for CREW_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Cafasso_18 Start: 15643, Stop: 16551, Start Num: 64

Candidate Starts for Cafasso_18:

(6, 15190), (Start: 64 @15643 has 6 MA's), (86, 15670), (Start: 106 @15703 has 1 MA's), (175, 15805), (186, 15832), (196, 15856), (265, 15958), (285, 15991), (295, 16021), (328, 16057), (332, 16063), (339, 16072), (390, 16150), (429, 16180), (438, 16186), (446, 16201), (508, 16306), (538, 16372), (590, 16471), (620, 16504), (643, 16540),

Gene: Cain_21 Start: 15199, Stop: 16338, Start Num: 33

Candidate Starts for Cain_21:

(Start: 33 @15199 has 231 MA's), (80, 15319), (142, 15409), (181, 15478), (292, 15679), (445, 15904), (469, 15964), (496, 15985), (535, 16057), (537, 16060), (538, 16063), (580, 16150), (590, 16174), (640, 16252), (648, 16267), (663, 16306), (668, 16324),

Gene: Caitlin_22 Start: 17633, Stop: 18655, Start Num: 78

Candidate Starts for Caitlin_22:

(Start: 78 @17633 has 85 MA's), (159, 17756), (163, 17762), (196, 17834), (265, 17939), (279, 17966), (332, 18056), (451, 18257), (462, 18287), (463, 18290), (564, 18500), (586, 18539), (611, 18587), (622, 18602),

Gene: CallaLilly_22 Start: 15974, Stop: 17110, Start Num: 33

Candidate Starts for CallaLilly_22:

(Start: 33 @15974 has 231 MA's), (80, 16091), (142, 16181), (Start: 155 @16202 has 1 MA's), (167, 16223), (181, 16250), (332, 16505), (392, 16586), (433, 16661), (445, 16676), (513, 16787), (535, 16829), (580, 16922), (590, 16946), (648, 17039), (663, 17078), (668, 17096),

Gene: Calm_17 Start: 15861, Stop: 16760, Start Num: 59

Candidate Starts for Calm_17:

(Start: 59 @15861 has 11 MA's), (Start: 70 @15879 has 85 MA's), (90, 15903), (Start: 108 @15933 has 38 MA's), (Start: 119 @15948 has 6 MA's), (Start: 145 @15981 has 14 MA's), (237, 16125), (281, 16206), (329, 16281), (332, 16284), (336, 16290), (368, 16335), (389, 16362), (429, 16395), (438, 16401), (459, 16434), (463, 16443), (491, 16470), (542, 16590), (571, 16638), (620, 16704), (623, 16710), (647, 16749),

Gene: Cambiare_18 Start: 16198, Stop: 17379, Start Num: 34

Candidate Starts for Cambiare_18:

(Start: 34 @16198 has 2 MA's), (80, 16327), (Start: 93 @16345 has 57 MA's), (127, 16396), (142, 16420), (167, 16462), (169, 16465), (180, 16486), (183, 16495), (200, 16531), (220, 16567), (224, 16573), (233, 16591), (270, 16642), (361, 16777), (399, 16831), (429, 16891), (513, 17056), (535, 17098), (571, 17176), (626, 17272), (628, 17275), (661, 17341),

Gene: Camri_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Camri_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Candra_30 Start: 19002, Stop: 20015, Start Num: 71

Candidate Starts for Candra_30:

(Start: 71 @19002 has 224 MA's), (Start: 108 @19056 has 38 MA's), (143, 19095), (196, 19200), (285, 19347), (306, 19377), (329, 19416), (332, 19419), (364, 19464), (403, 19524), (502, 19722), (571, 19872), (576, 19881), (622, 19962),

Gene: CanesSauce_17 Start: 14430, Stop: 15401, Start Num: 114

Candidate Starts for CanesSauce_17:

(Start: 114 @14430 has 61 MA's), (144, 14475), (156, 14496), (165, 14511), (177, 14532), (201, 14583), (217, 14613), (234, 14640), (272, 14691), (277, 14700), (278, 14703), (305, 14757), (311, 14769), (342, 14817), (360, 14844), (404, 14907), (437, 14958), (451, 14988), (462, 15018), (471, 15036), (517, 15132), (528, 15150), (545, 15201), (546, 15204), (562, 15234), (567, 15243), (576, 15258), (606, 15315), (639, 15363), (652, 15387), (654, 15393),

Gene: Caprice_46 Start: 25826, Stop: 26788, Start Num: 70

Candidate Starts for Caprice_46:

(Start: 70 @25826 has 85 MA's), (159, 25958), (174, 25982), (180, 25991), (182, 25997), (185, 26006), (196, 26030), (201, 26039), (206, 26051), (279, 26177), (321, 26258), (332, 26273), (336, 26279), (429, 26387), (514, 26513), (516, 26519), (552, 26594), (593, 26669), (596, 26675), (605, 26687), (607, 26690), (657, 26777), (658, 26780), (659, 26783),

Gene: Capricorn_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Capricorn_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: CaptainKirk2_18 Start: 15817, Stop: 16677, Start Num: 89

Candidate Starts for CaptainKirk2_18:

(Start: 85 @15811 has 15 MA's), (Start: 89 @15817 has 29 MA's), (186, 15973), (230, 16054), (306, 16153), (392, 16261), (447, 16345), (496, 16411), (529, 16456), (578, 16546), (603, 16588),

Gene: CaramellLatte_17 Start: 14430, Stop: 15401, Start Num: 114

Candidate Starts for CaramellLatte_17:

(Start: 114 @14430 has 61 MA's), (144, 14475), (156, 14496), (165, 14511), (177, 14532), (201, 14583), (217, 14613), (234, 14640), (272, 14691), (277, 14700), (278, 14703), (305, 14757), (311, 14769), (342, 14817), (360, 14844), (404, 14907), (437, 14958), (451, 14988), (462, 15018), (471, 15036), (517, 15132), (528, 15150), (545, 15201), (546, 15204), (562, 15234), (567, 15243), (576, 15258), (606, 15315), (639, 15363), (652, 15387), (654, 15393),

Gene: Caraxes_26 Start: 17822, Stop: 18838, Start Num: 71

Candidate Starts for Caraxes_26:

(Start: 71 @17822 has 224 MA's), (138, 17915), (148, 17930), (164, 17957), (306, 18203), (329, 18242), (332, 18245), (364, 18290), (418, 18380), (463, 18473), (480, 18506), (529, 18608), (552, 18659), (564, 18683), (571, 18695), (585, 18719), (622, 18785),

Gene: Cardigan_46 Start: 29891, Stop: 30787, Start Num: 83

Candidate Starts for Cardigan_46:

(Start: 83 @29891 has 2 MA's), (142, 29978), (180, 30044), (186, 30059), (303, 30236), (349, 30293), (390, 30347), (405, 30371), (462, 30470), (471, 30488), (513, 30536), (529, 30554), (538, 30578), (632, 30746),

Gene: CarolAnn_18 Start: 15760, Stop: 16620, Start Num: 89

Candidate Starts for CarolAnn_18:

(Start: 85 @15754 has 15 MA's), (Start: 89 @15760 has 29 MA's), (186, 15916), (230, 15997), (306, 16096), (392, 16204), (447, 16288), (496, 16354), (499, 16360), (578, 16489), (603, 16531),

Gene: Carsonalex_18 Start: 14822, Stop: 15793, Start Num: 114

Candidate Starts for Carsonalex_18:

(Start: 114 @14822 has 61 MA's), (144, 14867), (156, 14888), (190, 14951), (201, 14975), (217, 15005), (239, 15044), (272, 15083), (277, 15092), (278, 15095), (311, 15161), (342, 15209), (375, 15251), (404, 15299), (437, 15350), (462, 15410), (469, 15425), (471, 15428), (483, 15446), (486, 15452), (506, 15497), (517, 15524), (528, 15542), (545, 15593), (546, 15596), (562, 15626), (567, 15635), (576, 15650), (606, 15707), (639, 15755), (652, 15779), (654, 15785),

Gene: CaseJules_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for CaseJules_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Cashline_19 Start: 16485, Stop: 17393, Start Num: 108

Candidate Starts for Cashline_19:

(Start: 108 @16485 has 38 MA's), (144, 16542), (221, 16677), (232, 16692), (233, 16695), (269, 16746), (352, 16854), (404, 16926), (422, 16950), (449, 16986), (517, 17142), (538, 17169), (541, 17181), (546, 17196), (571, 17241), (583, 17259), (586, 17268), (604, 17304), (606, 17307), (627, 17343), (631, 17349), (635, 17355),

Gene: CassieYates_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for CassieYates_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Catalina_28 Start: 20528, Stop: 21541, Start Num: 71

Candidate Starts for Catalina_28:

(Start: 71 @20528 has 224 MA's), (86, 20546), (127, 20603), (143, 20621), (164, 20657), (265, 20837), (285, 20873), (306, 20903), (332, 20945), (432, 21104), (502, 21248), (529, 21311), (564, 21386), (571, 21398), (585, 21422),

Gene: Catfish_21 Start: 17616, Stop: 18467, Start Num: 149

Candidate Starts for Catfish_21:

(Start: 149 @17616 has 6 MA's), (Start: 151 @17619 has 5 MA's), (165, 17640), (183, 17676), (197, 17709), (235, 17778), (277, 17823), (292, 17853), (403, 17988), (416, 18015), (429, 18039), (441, 18060), (515, 18180), (545, 18246), (549, 18252), (665, 18447),

Gene: Cedasite_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Cedasite_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Celestiallunch_27 Start: 18672, Stop: 19694, Start Num: 71

Candidate Starts for Celestiallunch_27:

(Start: 71 @18672 has 224 MA's), (127, 18747), (143, 18765), (164, 18801), (234, 18921), (265, 18981), (285, 19017), (306, 19047), (332, 19089), (426, 19239), (452, 19290), (470, 19335), (474, 19341), (502, 19401), (515, 19437), (571, 19551),

Gene: Centaur_29 Start: 19640, Stop: 20656, Start Num: 71

Candidate Starts for Centaur_29:

(Start: 71 @19640 has 224 MA's), (127, 19715), (143, 19733), (164, 19769), (183, 19808), (285, 19985), (306, 20015), (329, 20054), (332, 20057), (571, 20513), (585, 20537),

Gene: ChadMasterC_34 Start: 30723, Stop: 31679, Start Num: 93

Candidate Starts for ChadMasterC_34:

(Start: 93 @30723 has 57 MA's), (203, 30909), (210, 30921), (228, 30948), (238, 30969), (280, 31029), (331, 31116), (334, 31119), (360, 31155), (384, 31188), (394, 31203), (401, 31215), (425, 31245), (431, 31251), (462, 31311), (513, 31401), (548, 31491), (561, 31515), (567, 31527), (602, 31593),

(629, 31632), (637, 31644),

Gene: Chadwick_24 Start: 17936, Stop: 18949, Start Num: 78

Candidate Starts for Chadwick_24:

(Start: 78 @17936 has 85 MA's), (143, 18032), (163, 18065), (164, 18068), (183, 18107), (265, 18242), (281, 18272), (297, 18302), (306, 18308), (313, 18326), (332, 18350), (361, 18392), (571, 18806), (622, 18896),

Gene: Chance64_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Chance64_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Chancellor_23 Start: 17500, Stop: 18633, Start Num: 33

Candidate Starts for Chancellor_23:

(Start: 33 @17500 has 231 MA's), (38, 17518), (Start: 59 @17590 has 11 MA's), (80, 17620), (142, 17710), (167, 17752), (180, 17776), (233, 17881), (332, 18034), (386, 18103), (390, 18109), (471, 18262), (496, 18280), (513, 18310), (535, 18352), (537, 18355), (648, 18562), (663, 18601), (668, 18619),

Gene: Changeling_29 Start: 21010, Stop: 22023, Start Num: 71

Candidate Starts for Changeling_29:

(Start: 71 @21010 has 224 MA's), (143, 21103), (164, 21139), (183, 21178), (306, 21385), (329, 21424), (332, 21427), (364, 21472), (463, 21658), (480, 21691), (502, 21730), (571, 21880),

Gene: Chargerpower_27 Start: 18273, Stop: 19295, Start Num: 71

Candidate Starts for Chargerpower_27:

(Start: 71 @18273 has 224 MA's), (86, 18291), (143, 18366), (164, 18402), (183, 18441), (234, 18522), (265, 18582), (306, 18648), (332, 18690), (455, 18900), (470, 18936), (571, 19152), (576, 19161), (622, 19242),

Gene: Charm_27 Start: 18681, Stop: 19703, Start Num: 71

Candidate Starts for Charm_27:

(Start: 71 @18681 has 224 MA's), (86, 18699), (Start: 108 @18735 has 38 MA's), (143, 18774), (265, 18990), (285, 19026), (306, 19056), (332, 19098), (364, 19143), (426, 19248), (459, 19320), (470, 19344), (474, 19350), (564, 19548), (571, 19560), (576, 19569), (585, 19584), (622, 19650),

Gene: Charming_34 Start: 29358, Stop: 30314, Start Num: 93

Candidate Starts for Charming_34:

(Start: 93 @29358 has 57 MA's), (203, 29544), (210, 29556), (228, 29583), (238, 29604), (280, 29664), (334, 29754), (360, 29790), (384, 29823), (394, 29838), (401, 29850), (425, 29880), (431, 29886), (462, 29946), (513, 30036), (548, 30126), (561, 30150), (567, 30162), (602, 30228), (610, 30243), (629, 30267), (637, 30279), (653, 30309),

Gene: Chartreuse_30 Start: 18913, Stop: 19926, Start Num: 71

Candidate Starts for Chartreuse_30:

(Start: 71 @18913 has 224 MA's), (Start: 108 @18967 has 38 MA's), (143, 19006), (196, 19111), (285, 19258), (306, 19288), (329, 19327), (332, 19330), (364, 19375), (403, 19435), (502, 19633), (571, 19783), (576, 19792),

Gene: Chaser_17 Start: 15760, Stop: 16647, Start Num: 70

Candidate Starts for Chaser_17:

(Start: 70 @15760 has 85 MA's), (90, 15784), (Start: 106 @15811 has 1 MA's), (Start: 108 @15814 has 38 MA's), (Start: 119 @15829 has 6 MA's), (Start: 145 @15862 has 14 MA's), (196, 15958), (285, 16093), (290, 16102), (329, 16162), (332, 16165), (389, 16243), (418, 16258), (438, 16282), (463, 16324), (491, 16351), (504, 16375), (510, 16393), (533, 16444), (542, 16471), (571, 16519), (588, 16546), (647, 16630),

Gene: Chavito_22 Start: 15385, Stop: 16524, Start Num: 33

Candidate Starts for Chavito_22:

(Start: 33 @15385 has 231 MA's), (80, 15505), (142, 15595), (181, 15664), (232, 15763), (233, 15766), (292, 15865), (332, 15919), (392, 16000), (433, 16075), (445, 16090), (513, 16201), (535, 16243), (557, 16297), (580, 16336), (590, 16360), (628, 16420), (640, 16438), (648, 16453), (663, 16492), (668, 16510),

Gene: Che12_29 Start: 18081, Stop: 19091, Start Num: 71

Candidate Starts for Che12_29:

(Start: 71 @18081 has 224 MA's), (143, 18174), (164, 18210), (288, 18432), (306, 18456), (329, 18495), (332, 18498), (418, 18633), (463, 18726), (571, 18948), (585, 18972), (622, 19038),

Gene: Che9d_18 Start: 12821, Stop: 13750, Start Num: 108

Candidate Starts for Che9d_18:

(Start: 108 @12821 has 38 MA's), (147, 12881), (177, 12932), (232, 13031), (234, 13037), (241, 13052), (317, 13172), (381, 13256), (390, 13268), (421, 13313), (451, 13352), (453, 13358), (462, 13382), (463, 13385), (464, 13388), (510, 13466), (517, 13487), (518, 13490), (537, 13526), (545, 13553), (546, 13556), (571, 13595), (583, 13613), (585, 13619), (602, 13655), (606, 13661), (622, 13685), (627, 13691), (631, 13697),

Gene: CheeseSpider_21 Start: 16153, Stop: 17019, Start Num: 85

Candidate Starts for CheeseSpider_21:

(Start: 85 @16153 has 15 MA's), (Start: 89 @16159 has 29 MA's), (186, 16315), (190, 16324), (230, 16396), (306, 16495), (392, 16603), (447, 16687), (496, 16753), (578, 16888), (603, 16930),

Gene: CheeseTouch_19 Start: 15504, Stop: 16424, Start Num: 119

Candidate Starts for CheeseTouch_19:

(Start: 116 @15501 has 15 MA's), (Start: 119 @15504 has 6 MA's), (128, 15516), (140, 15534), (169, 15579), (190, 15618), (210, 15657), (232, 15690), (234, 15696), (277, 15765), (307, 15822), (309, 15825), (317, 15837), (337, 15861), (342, 15867), (352, 15885), (394, 15939), (401, 15951), (404, 15957), (422, 15978), (453, 16026), (459, 16044), (462, 16050), (469, 16065), (471, 16068), (545, 16221), (546, 16224), (550, 16230), (571, 16263), (596, 16314), (631, 16365), (641, 16380), (658, 16416),

Gene: CheetoDust_22 Start: 16028, Stop: 17164, Start Num: 33

Candidate Starts for CheetoDust_22:

(Start: 33 @16028 has 231 MA's), (80, 16145), (142, 16235), (Start: 155 @16256 has 1 MA's), (167, 16277), (181, 16304), (332, 16559), (392, 16640), (433, 16715), (445, 16730), (513, 16841), (535, 16883), (580, 16976), (590, 17000), (648, 17093), (663, 17132), (668, 17150),

Gene: Cheetobro_23 Start: 17497, Stop: 18630, Start Num: 33

Candidate Starts for Cheetobro_23:

(Start: 33 @17497 has 231 MA's), (38, 17515), (Start: 59 @17587 has 11 MA's), (80, 17617), (142, 17707), (167, 17749), (180, 17773), (233, 17878), (332, 18031), (386, 18100), (390, 18106), (471, 18259), (496, 18277), (513, 18307), (535, 18349), (537, 18352), (648, 18559), (663, 18598), (668, 18616),

Gene: CherryCola_34 Start: 25854, Stop: 26798, Start Num: 99

Candidate Starts for CherryCola_34:

(Start: 99 @25854 has 32 MA's), (165, 25959), (201, 26028), (203, 26034), (217, 26058), (228, 26073), (462, 26433), (469, 26448), (485, 26466), (533, 26568), (548, 26610), (567, 26646), (623, 26742), (653, 26793),

Gene: Cherrybomb426_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Cherrybomb426_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: CherryonLim_18 Start: 15217, Stop: 16173, Start Num: 114

Candidate Starts for CherryonLim_18:

(Start: 114 @15217 has 61 MA's), (144, 15262), (190, 15346), (217, 15400), (234, 15427), (272, 15478), (274, 15481), (277, 15487), (278, 15490), (312, 15559), (342, 15604), (357, 15628), (404, 15694), (462, 15790), (539, 15952), (545, 15973), (546, 15976), (562, 16006), (567, 16015), (596, 16072), (652, 16159), (654, 16165),

Gene: ChewyVIII_55 Start: 37234, Stop: 38175, Start Num: 92

Candidate Starts for ChewyVIII_55:

(Start: 92 @37234 has 1 MA's), (158, 37336), (220, 37456), (232, 37477), (249, 37507), (272, 37546), (308, 37612), (392, 37726), (452, 37828), (462, 37855), (580, 38038), (603, 38086), (626, 38125), (630, 38131),

Gene: Chickadee_31 Start: 26548, Stop: 27525, Start Num: 84

Candidate Starts for Chickadee_31:

(Start: 84 @26548 has 25 MA's), (Start: 96 @26560 has 26 MA's), (115, 26587), (144, 26635), (146, 26638), (176, 26689), (214, 26767), (284, 26863), (334, 26935), (418, 27064), (437, 27097), (453, 27133), (549, 27319), (568, 27349), (586, 27376), (605, 27412), (625, 27445), (664, 27514),

Gene: ChickenTender_19 Start: 14814, Stop: 15800, Start Num: 114

Candidate Starts for ChickenTender_19:

(Start: 114 @14814 has 61 MA's), (128, 14835), (144, 14859), (156, 14880), (165, 14895), (201, 14967), (217, 14997), (272, 15075), (277, 15084), (278, 15087), (305, 15141), (311, 15153), (342, 15201), (352, 15219), (375, 15243), (404, 15291), (437, 15357), (462, 15417), (469, 15432), (471, 15435), (486, 15459), (517, 15531), (528, 15549), (545, 15600), (546, 15603), (562, 15633), (567, 15642), (576, 15657), (606, 15714), (639, 15762), (652, 15786), (654, 15792),

Gene: ChipMunk_29 Start: 19587, Stop: 20603, Start Num: 71

Candidate Starts for ChipMunk_29:

(Start: 71 @19587 has 224 MA's), (127, 19662), (143, 19680), (164, 19716), (183, 19755), (306, 19962), (329, 20001), (332, 20004), (390, 20091), (480, 20271), (529, 20373), (564, 20448), (571, 20460),

Gene: ChocoMunchkin_17 Start: 14430, Stop: 15401, Start Num: 114

Candidate Starts for ChocoMunchkin_17:

(Start: 114 @14430 has 61 MA's), (144, 14475), (156, 14496), (165, 14511), (177, 14532), (201, 14583), (217, 14613), (234, 14640), (272, 14691), (277, 14700), (278, 14703), (305, 14757), (311, 14769), (342, 14817), (360, 14844), (404, 14907), (437, 14958), (451, 14988), (462, 15018), (471, 15036), (517, 15132), (528, 15150), (545, 15201), (546, 15204), (562, 15234), (567, 15243), (576,

15258), (606, 15315), (639, 15363), (652, 15387), (654, 15393),

Gene: Chop_21 Start: 16827, Stop: 17888, Start Num: 76

Candidate Starts for Chop_21:

(Start: 76 @16827 has 18 MA's), (Start: 111 @16872 has 15 MA's), (130, 16902), (190, 17010), (274, 17160), (296, 17208), (356, 17292), (364, 17301), (394, 17343), (488, 17520), (526, 17589), (605, 17751), (626, 17784), (662, 17856), (663, 17859),

Gene: Chris_21 Start: 15243, Stop: 16379, Start Num: 33

Candidate Starts for Chris_21:

(Start: 33 @15243 has 231 MA's), (80, 15360), (Start: 93 @15378 has 57 MA's), (Start: 155 @15471 has 1 MA's), (181, 15519), (292, 15720), (369, 15819), (381, 15840), (431, 15927), (445, 15945), (471, 16008), (499, 16032), (513, 16056), (535, 16098), (537, 16101), (557, 16152), (580, 16191), (648, 16308), (660, 16335), (663, 16347), (668, 16365),

Gene: ChutneyChips_16 Start: 15804, Stop: 16640, Start Num: 106

Candidate Starts for ChutneyChips_16:

(Start: 70 @15753 has 85 MA's), (90, 15777), (Start: 106 @15804 has 1 MA's), (Start: 108 @15807 has 38 MA's), (Start: 119 @15822 has 6 MA's), (Start: 145 @15855 has 14 MA's), (196, 15951), (285, 16086), (290, 16095), (329, 16155), (332, 16158), (389, 16236), (418, 16251), (438, 16275), (459, 16308), (491, 16344), (504, 16368), (510, 16386), (533, 16437), (542, 16464), (571, 16512), (588, 16539), (647, 16623),

Gene: CicholasNage_17 Start: 15849, Stop: 16748, Start Num: 59

Candidate Starts for CicholasNage_17:

(Start: 59 @15849 has 11 MA's), (Start: 70 @15867 has 85 MA's), (90, 15891), (Start: 108 @15921 has 38 MA's), (Start: 119 @15936 has 6 MA's), (Start: 145 @15969 has 14 MA's), (237, 16113), (281, 16194), (329, 16269), (332, 16272), (336, 16278), (368, 16323), (389, 16350), (429, 16383), (438, 16389), (459, 16422), (463, 16431), (491, 16458), (542, 16578), (571, 16626), (620, 16692), (623, 16698), (647, 16737),

Gene: ClamChowder_32 Start: 25634, Stop: 26578, Start Num: 99

Candidate Starts for ClamChowder_32:

(Start: 99 @25634 has 32 MA's), (165, 25739), (201, 25808), (203, 25814), (217, 25838), (228, 25853), (462, 26213), (469, 26228), (485, 26246), (533, 26348), (548, 26390), (567, 26426), (623, 26522), (653, 26573),

Gene: Clarkson_50 Start: 26438, Stop: 27400, Start Num: 70

Candidate Starts for Clarkson_50:

(Start: 70 @26438 has 85 MA's), (159, 26570), (174, 26594), (180, 26603), (182, 26609), (185, 26618), (196, 26642), (201, 26651), (206, 26663), (211, 26675), (279, 26789), (321, 26870), (332, 26885), (336, 26891), (429, 26999), (514, 27125), (516, 27131), (552, 27206), (593, 27281), (596, 27287), (605, 27299), (607, 27302), (657, 27389), (658, 27392), (659, 27395),

Gene: Claus_17 Start: 16055, Stop: 16969, Start Num: 70

Candidate Starts for Claus_17:

(Start: 70 @16055 has 85 MA's), (90, 16079), (Start: 108 @16109 has 38 MA's), (164, 16190), (189, 16235), (328, 16460), (329, 16463), (332, 16466), (351, 16496), (416, 16553), (438, 16583), (491, 16652), (502, 16670), (533, 16745), (538, 16757), (571, 16820), (588, 16847), (623, 16910), (647, 16949), (654, 16961),

Gene: Clautastrophe_18 Start: 16490, Stop: 17380, Start Num: 70

Candidate Starts for Clautastrophe_18:

(Start: 70 @16490 has 85 MA's), (90, 16514), (Start: 119 @16559 has 6 MA's), (127, 16574), (Start: 145 @16595 has 14 MA's), (196, 16691), (285, 16826), (290, 16835), (329, 16895), (332, 16898), (336, 16904), (389, 16976), (429, 17009), (442, 17021), (491, 17084), (515, 17138), (525, 17159), (544, 17210), (571, 17252), (647, 17363), (649, 17366),

Gene: Cleo_17 Start: 15020, Stop: 15991, Start Num: 114

Candidate Starts for Cleo_17:

(65, 14945), (Start: 114 @15020 has 61 MA's), (144, 15065), (190, 15149), (217, 15203), (255, 15260), (272, 15284), (277, 15293), (278, 15296), (305, 15353), (342, 15413), (352, 15431), (404, 15503), (414, 15524), (517, 15719), (546, 15788), (548, 15791), (562, 15818), (567, 15827), (583, 15851), (596, 15884), (608, 15902), (635, 15947), (652, 15977),

Gene: Clipper_22 Start: 16028, Stop: 17164, Start Num: 33

Candidate Starts for Clipper_22:

(Start: 33 @16028 has 231 MA's), (80, 16145), (142, 16235), (Start: 155 @16256 has 1 MA's), (167, 16277), (181, 16304), (332, 16559), (392, 16640), (433, 16715), (445, 16730), (513, 16841), (535, 16883), (580, 16976), (590, 17000), (648, 17093), (663, 17132), (668, 17150),

Gene: CloudWang3_30 Start: 18960, Stop: 19976, Start Num: 71

Candidate Starts for CloudWang3_30:

(Start: 71 @18960 has 224 MA's), (86, 18978), (Start: 108 @19014 has 38 MA's), (143, 19053), (196, 19158), (306, 19335), (329, 19374), (332, 19377), (390, 19464), (403, 19485), (463, 19611), (502, 19683), (571, 19833), (576, 19842), (622, 19923),

Gene: Cloudyecho_17 Start: 15656, Stop: 16834, Start Num: 33

Candidate Starts for Cloudyecho_17:

(4, 15257), (5, 15317), (Start: 33 @15656 has 231 MA's), (Start: 93 @15800 has 57 MA's), (127, 15851), (167, 15917), (169, 15920), (183, 15950), (220, 16022), (265, 16091), (270, 16097), (361, 16232), (399, 16286), (429, 16346), (483, 16454), (513, 16511), (535, 16553), (626, 16727), (628, 16730), (648, 16763), (661, 16796),

Gene: Clown_34 Start: 27669, Stop: 28601, Start Num: 99

Candidate Starts for Clown_34:

(Start: 99 @27669 has 32 MA's), (Start: 106 @27678 has 1 MA's), (142, 27726), (165, 27765), (190, 27810), (203, 27840), (217, 27864), (228, 27879), (266, 27936), (334, 28053), (335, 28056), (462, 28236), (533, 28371), (545, 28407), (548, 28413), (567, 28449), (598, 28509), (602, 28515), (608, 28524), (623, 28545),

Gene: ClubL_47 Start: 28631, Stop: 29512, Start Num: 91

Candidate Starts for ClubL_47:

(Start: 91 @28631 has 13 MA's), (123, 28679), (142, 28706), (182, 28778), (215, 28844), (232, 28874), (312, 28982), (390, 29075), (405, 29099), (411, 29114), (471, 29210), (513, 29258), (611, 29438), (634, 29474),

Gene: CocoaPuff_16 Start: 14462, Stop: 15418, Start Num: 114

Candidate Starts for CocoaPuff_16:

(Start: 114 @14462 has 61 MA's), (144, 14507), (177, 14564), (190, 14591), (217, 14645), (234, 14672), (272, 14723), (274, 14726), (277, 14732), (278, 14735), (305, 14789), (312, 14804), (342, 14849), (357, 14873), (373, 14888), (404, 14939), (462, 15035), (546, 15221), (562, 15251), (567, 15260), (583, 15284), (596, 15317), (652, 15404), (654, 15410),

Gene: CoffeeBean_44 Start: 30363, Stop: 31289, Start Num: 93

Candidate Starts for CoffeeBean_44:

(Start: 93 @30363 has 57 MA's), (Start: 125 @30399 has 2 MA's), (190, 30516), (209, 30555), (220, 30573), (249, 30624), (306, 30723), (363, 30798), (370, 30807), (414, 30882), (426, 30903), (513, 31041), (535, 31077), (548, 31116), (580, 31158), (613, 31221), (636, 31254),

Gene: CogOmlette_25 Start: 18587, Stop: 19609, Start Num: 71

Candidate Starts for CogOmlette_25:

(Start: 71 @18587 has 224 MA's), (86, 18605), (Start: 108 @18641 has 38 MA's), (127, 18662), (143, 18680), (196, 18785), (285, 18932), (306, 18962), (332, 19004), (403, 19109), (426, 19154), (450, 19199), (470, 19250), (474, 19256), (478, 19265), (529, 19379), (552, 19430), (564, 19454), (571, 19466), (622, 19556),

Gene: Coleslaw_17 Start: 15468, Stop: 16640, Start Num: 33

Candidate Starts for Coleslaw_17:

(5, 15135), (Start: 33 @15468 has 231 MA's), (80, 15588), (Start: 93 @15606 has 57 MA's), (124, 15651), (127, 15657), (165, 15720), (183, 15756), (218, 15825), (220, 15828), (232, 15849), (270, 15903), (292, 15948), (311, 15978), (390, 16080), (399, 16092), (404, 16104), (412, 16122), (496, 16287), (513, 16317), (526, 16335), (535, 16359), (591, 16479), (648, 16569), (661, 16602),

Gene: Colin_31 Start: 20885, Stop: 21898, Start Num: 71

Candidate Starts for Colin_31:

(Start: 71 @20885 has 224 MA's), (86, 20903), (127, 20960), (143, 20978), (164, 21014), (183, 21053), (306, 21260), (329, 21299), (332, 21302), (364, 21347), (403, 21407), (418, 21440), (462, 21530), (463, 21533), (480, 21566), (571, 21755), (576, 21764),

Gene: Collard_20 Start: 16380, Stop: 17510, Start Num: 37

Candidate Starts for Collard_20:

(Start: 37 @16380 has 23 MA's), (124, 16554), (165, 16620), (167, 16623), (181, 16650), (232, 16749), (292, 16851), (332, 16905), (357, 16935), (381, 16971), (383, 16974), (390, 16983), (431, 17058), (433, 17061), (453, 17097), (471, 17139), (496, 17157), (499, 17163), (513, 17187), (514, 17190), (535, 17229), (648, 17439), (663, 17478), (668, 17496),

Gene: Colleen_18 Start: 16550, Stop: 17428, Start Num: 54

Candidate Starts for Colleen_18:

(Start: 54 @16550 has 3 MA's), (Start: 56 @16553 has 1 MA's), (Start: 119 @16637 has 6 MA's), (196, 16775), (416, 17063),

Gene: Colossa_19 Start: 15551, Stop: 16441, Start Num: 64

Candidate Starts for Colossa_19:

(Start: 64 @15551 has 6 MA's), (77, 15569), (Start: 108 @15611 has 38 MA's), (Start: 119 @15626 has 6 MA's), (148, 15668), (196, 15761), (276, 15881), (285, 15896), (295, 15926), (328, 15962), (339, 15977), (429, 16085), (438, 16091), (450, 16115), (538, 16265), (590, 16361), (637, 16421),

Gene: Commandaria_42 Start: 30197, Stop: 31138, Start Num: 97

Candidate Starts for Commandaria_42:

(Start: 97 @30197 has 6 MA's), (152, 30284), (169, 30314), (190, 30359), (249, 30467), (370, 30650), (422, 30731), (426, 30737), (447, 30764), (564, 30980), (580, 31007), (636, 31103),

Gene: Confidence_19 Start: 16655, Stop: 17563, Start Num: 108

Candidate Starts for Confidence_19:

(Start: 108 @16655 has 38 MA's), (144, 16712), (221, 16847), (232, 16862), (233, 16865), (269, 16916), (352, 17024), (388, 17072), (404, 17096), (415, 17114), (422, 17120), (449, 17156), (517, 17312), (538, 17339), (541, 17351), (546, 17366), (571, 17411), (586, 17438), (604, 17474), (606, 17477), (627, 17513), (631, 17519), (635, 17525),

Gene: Conquerage_28 Start: 20557, Stop: 21570, Start Num: 71

Candidate Starts for Conquerage_28:

(Start: 71 @20557 has 224 MA's), (86, 20575), (127, 20632), (143, 20650), (164, 20686), (265, 20866), (285, 20902), (306, 20932), (332, 20974), (432, 21133), (502, 21277), (529, 21340), (564, 21415), (571, 21427), (585, 21451),

Gene: Conspiracy_23 Start: 18474, Stop: 19487, Start Num: 78

Candidate Starts for Conspiracy_23:

(Start: 78 @18474 has 85 MA's), (143, 18570), (163, 18603), (164, 18606), (183, 18645), (204, 18693), (306, 18846), (313, 18864), (332, 18888), (361, 18930), (519, 19242), (571, 19344), (586, 19371),

Gene: Coog_23 Start: 18617, Stop: 19630, Start Num: 78

Candidate Starts for Coog_23:

(Start: 78 @18617 has 85 MA's), (143, 18713), (163, 18746), (164, 18749), (183, 18788), (265, 18923), (297, 18983), (306, 18989), (313, 19007), (332, 19031), (361, 19073), (519, 19385), (571, 19487), (586, 19514), (622, 19577),

Gene: Cookiedough_30 Start: 18959, Stop: 19972, Start Num: 71

Candidate Starts for Cookiedough_30:

(Start: 71 @18959 has 224 MA's), (Start: 108 @19013 has 38 MA's), (143, 19052), (196, 19157), (285, 19304), (306, 19334), (329, 19373), (332, 19376), (364, 19421), (403, 19481), (502, 19679), (571, 19829), (576, 19838),

Gene: Corazon_47 Start: 26391, Stop: 27353, Start Num: 70

Candidate Starts for Corazon_47:

(Start: 70 @26391 has 85 MA's), (159, 26523), (174, 26547), (180, 26556), (182, 26562), (185, 26571), (196, 26595), (201, 26604), (206, 26616), (211, 26628), (279, 26742), (321, 26823), (332, 26838), (336, 26844), (429, 26952), (514, 27078), (516, 27084), (552, 27159), (593, 27234), (596, 27240), (605, 27252), (607, 27255), (657, 27342), (658, 27345), (659, 27348),

Gene: Coriander_18 Start: 16561, Stop: 17508, Start Num: 111

Candidate Starts for Coriander_18:

(Start: 111 @16561 has 15 MA's), (225, 16756), (277, 16837), (284, 16849), (323, 16921), (330, 16927), (342, 16942), (404, 17032), (406, 17038), (453, 17101), (462, 17125), (463, 17128), (464, 17131), (487, 17167), (517, 17236), (537, 17278), (545, 17305), (571, 17347), (573, 17350), (580, 17362), (625, 17437), (655, 17491),

Gene: CosmicSans_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for CosmicSans_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (265, 15786), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: CoveyB_32 Start: 25434, Stop: 26378, Start Num: 99

Candidate Starts for CoveyB_32:

(Start: 99 @25434 has 32 MA's), (165, 25539), (201, 25608), (203, 25614), (217, 25638), (228, 25653), (462, 26013), (469, 26028), (485, 26046), (533, 26148), (548, 26190), (567, 26226), (623, 26322), (653, 26373),

Gene: Cozz_17 Start: 14765, Stop: 15736, Start Num: 114

Candidate Starts for Cozz_17:

(Start: 114 @14765 has 61 MA's), (144, 14810), (156, 14831), (190, 14894), (201, 14918), (217, 14948), (239, 14987), (272, 15026), (277, 15035), (278, 15038), (311, 15104), (342, 15152), (375, 15194), (404, 15242), (437, 15293), (462, 15353), (469, 15368), (471, 15371), (483, 15389), (486, 15395), (506, 15440), (517, 15467), (528, 15485), (546, 15539), (562, 15569), (567, 15578), (576, 15593), (606, 15650), (639, 15698), (652, 15722), (654, 15728),

Gene: Cracklewink_23 Start: 18745, Stop: 19743, Start Num: 57

Candidate Starts for Cracklewink_23:

(Start: 57 @18745 has 5 MA's), (Start: 106 @18811 has 1 MA's), (112, 18820), (Start: 155 @18883 has 1 MA's), (165, 18901), (169, 18907), (232, 19030), (256, 19057), (257, 19060), (273, 19081), (343, 19183), (349, 19192), (369, 19219), (412, 19294), (447, 19336), (463, 19363), (514, 19432), (515, 19435), (538, 19477), (557, 19525), (562, 19534), (586, 19576), (591, 19588), (630, 19645), (663, 19714),

Gene: Crater_17 Start: 15047, Stop: 15973, Start Num: 114

Candidate Starts for Crater_17:

(Start: 114 @15047 has 61 MA's), (Start: 119 @15053 has 6 MA's), (140, 15083), (177, 15143), (190, 15167), (196, 15182), (204, 15197), (210, 15206), (217, 15218), (232, 15239), (239, 15257), (248, 15269), (277, 15314), (305, 15368), (307, 15371), (309, 15374), (317, 15386), (342, 15416), (352, 15434), (394, 15488), (401, 15500), (404, 15506), (422, 15527), (453, 15575), (459, 15593), (462, 15599), (469, 15614), (471, 15617), (545, 15770), (546, 15773), (550, 15779), (571, 15812), (583, 15830), (596, 15863), (631, 15914), (641, 15929), (658, 15965),

Gene: Crespo_17 Start: 15478, Stop: 16650, Start Num: 33

Candidate Starts for Crespo_17:

(5, 15145), (Start: 33 @15478 has 231 MA's), (80, 15598), (Start: 93 @15616 has 57 MA's), (124, 15661), (127, 15667), (165, 15730), (183, 15766), (218, 15835), (220, 15838), (232, 15859), (270, 15913), (292, 15958), (311, 15988), (390, 16090), (399, 16102), (404, 16114), (412, 16132), (496, 16297), (513, 16327), (526, 16345), (535, 16369), (591, 16489), (648, 16579), (661, 16612),

Gene: CrimD_22 Start: 15989, Stop: 17125, Start Num: 33

Candidate Starts for CrimD_22:

(Start: 33 @15989 has 231 MA's), (80, 16106), (142, 16196), (Start: 155 @16217 has 1 MA's), (167, 16238), (181, 16265), (332, 16520), (392, 16601), (433, 16676), (445, 16691), (513, 16802), (535, 16844), (580, 16937), (590, 16961), (648, 17054), (663, 17093), (668, 17111),

Gene: Crossroads_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for Crossroads_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Crucio_27 Start: 19105, Stop: 20121, Start Num: 71

Candidate Starts for Crucio_27:

(Start: 71 @19105 has 224 MA's), (127, 19180), (143, 19198), (164, 19234), (183, 19273), (306, 19480), (329, 19519), (332, 19522), (480, 19789), (529, 19891), (564, 19966), (571, 19978), (622, 20068),

Gene: Cruella_30 Start: 27616, Stop: 28482, Start Num: 85

Candidate Starts for Cruella_30:

(Start: 85 @27616 has 15 MA's), (102, 27640), (131, 27685), (165, 27745), (184, 27784), (235, 27880), (332, 28042), (358, 28075), (422, 28150), (443, 28174), (529, 28249), (554, 28315), (580, 28351),

(591, 28378), (628, 28435),

Gene: Cuco_23 Start: 18647, Stop: 19660, Start Num: 78

Candidate Starts for Cuco_23:

(Start: 78 @18647 has 85 MA's), (143, 18743), (163, 18776), (164, 18779), (183, 18818), (265, 18953), (297, 19013), (306, 19019), (313, 19037), (332, 19061), (361, 19103), (519, 19415), (571, 19517), (622, 19607),

Gene: Cucurbita_49 Start: 30001, Stop: 30882, Start Num: 91

Candidate Starts for Cucurbita_49:

(Start: 91 @30001 has 13 MA's), (123, 30049), (142, 30076), (182, 30148), (215, 30214), (232, 30244), (312, 30352), (390, 30445), (405, 30469), (411, 30484), (471, 30580), (513, 30628), (611, 30808), (634, 30844),

Gene: Culver_47 Start: 28434, Stop: 29321, Start Num: 87

Candidate Starts for Culver_47:

(Start: 87 @28434 has 24 MA's), (Start: 91 @28440 has 13 MA's), (123, 28488), (142, 28515), (182, 28587), (215, 28653), (232, 28683), (312, 28791), (390, 28884), (405, 28908), (411, 28923), (471, 29019), (513, 29067), (611, 29247), (634, 29283),

Gene: Curiosium_23 Start: 15737, Stop: 16873, Start Num: 33

Candidate Starts for Curiosium_23:

(Start: 33 @15737 has 231 MA's), (80, 15854), (Start: 155 @15965 has 1 MA's), (181, 16013), (332, 16268), (341, 16274), (392, 16349), (445, 16439), (513, 16550), (535, 16592), (580, 16685), (590, 16709), (648, 16802), (663, 16841), (668, 16859),

Gene: D29_27 Start: 19042, Stop: 20052, Start Num: 71

Candidate Starts for D29_27:

(Start: 71 @19042 has 224 MA's), (Start: 108 @19096 has 38 MA's), (127, 19117), (143, 19135), (240, 19306), (306, 19417), (329, 19456), (332, 19459), (364, 19504), (529, 19822), (564, 19897), (571, 19909), (585, 19933), (622, 19999),

Gene: D32_30 Start: 19042, Stop: 20052, Start Num: 71

Candidate Starts for D32_30:

(Start: 71 @19042 has 224 MA's), (Start: 108 @19096 has 38 MA's), (127, 19117), (143, 19135), (240, 19306), (306, 19417), (329, 19456), (332, 19459), (364, 19504), (529, 19822), (564, 19897), (571, 19909), (585, 19933), (622, 19999),

Gene: DBQu4n_30 Start: 19042, Stop: 20052, Start Num: 71

Candidate Starts for DBQu4n_30:

(Start: 71 @19042 has 224 MA's), (127, 19117), (143, 19135), (240, 19306), (306, 19417), (329, 19456), (332, 19459), (364, 19504), (529, 19822), (564, 19897), (571, 19909), (585, 19933), (622, 19999),

Gene: DHan_17 Start: 15991, Stop: 16905, Start Num: 70

Candidate Starts for DHan_17:

(Start: 70 @15991 has 85 MA's), (90, 16015), (Start: 108 @16045 has 38 MA's), (164, 16126), (189, 16171), (328, 16396), (329, 16399), (332, 16402), (351, 16432), (416, 16489), (438, 16519), (491, 16588), (502, 16606), (533, 16681), (538, 16693), (571, 16756), (588, 16783), (623, 16846), (647, 16885), (654, 16897),

Gene: DMoney_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for DMoney_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: DNAIII_0017 Start: 15486, Stop: 16658, Start Num: 33

Candidate Starts for DNAIII_0017:

(5, 15153), (Start: 33 @15486 has 231 MA's), (80, 15606), (Start: 93 @15624 has 57 MA's), (124, 15669), (127, 15675), (165, 15738), (183, 15774), (218, 15843), (220, 15846), (232, 15867), (270, 15921), (292, 15966), (311, 15996), (390, 16098), (399, 16110), (404, 16122), (412, 16140), (496, 16305), (513, 16335), (526, 16353), (535, 16377), (591, 16497), (648, 16587), (661, 16620),

Gene: DS6A_20 Start: 16001, Stop: 16972, Start Num: 85

Candidate Starts for DS6A_20:

(Start: 85 @16001 has 15 MA's), (Start: 125 @16064 has 2 MA's), (190, 16178), (191, 16181), (223, 16241), (234, 16259), (250, 16286), (330, 16415), (333, 16418), (340, 16427), (362, 16460), (421, 16538), (423, 16541), (462, 16613), (538, 16760), (539, 16763), (540, 16769), (545, 16784), (554, 16799), (598, 16880), (625, 16919), (633, 16931),

Gene: DaVinci_30 Start: 18967, Stop: 19980, Start Num: 71

Candidate Starts for DaVinci_30:

(Start: 71 @18967 has 224 MA's), (Start: 108 @19021 has 38 MA's), (143, 19060), (196, 19165), (285, 19312), (306, 19342), (329, 19381), (332, 19384), (364, 19429), (403, 19489), (502, 19687), (571, 19837), (576, 19846),

Gene: Dadosky_20 Start: 16302, Stop: 17432, Start Num: 37

Candidate Starts for Dadosky_20:

(Start: 37 @16302 has 23 MA's), (124, 16476), (165, 16542), (181, 16572), (232, 16671), (292, 16773), (332, 16827), (357, 16857), (381, 16893), (383, 16896), (390, 16905), (431, 16980), (433, 16983), (448, 17004), (453, 17019), (471, 17061), (496, 17079), (499, 17085), (513, 17109), (514, 17112), (535, 17151), (585, 17253), (648, 17361), (663, 17400), (668, 17418),

Gene: Daegal_22 Start: 16606, Stop: 17700, Start Num: 68

Candidate Starts for Daegal_22:

(Start: 68 @16606 has 28 MA's), (75, 16615), (142, 16711), (147, 16720), (153, 16729), (181, 16780), (183, 16786), (234, 16882), (243, 16900), (284, 16969), (289, 16978), (296, 16999), (299, 17005), (302, 17011), (305, 17014), (356, 17086), (359, 17089), (451, 17245), (477, 17296), (484, 17314), (518, 17386), (529, 17404), (564, 17488), (580, 17515), (583, 17518), (601, 17554), (611, 17572), (640, 17614), (648, 17629), (650, 17632), (661, 17662), (663, 17668),

Gene: Dalilpop_45 Start: 31200, Stop: 32117, Start Num: 96

Candidate Starts for Dalilpop_45:

(2, 30261), (Start: 96 @31200 has 26 MA's), (152, 31278), (232, 31431), (306, 31560), (353, 31623), (426, 31731), (580, 31986), (621, 32061), (636, 32082),

Gene: Dalmatian_27 Start: 19252, Stop: 20268, Start Num: 71

Candidate Starts for Dalmatian_27:

(Start: 71 @19252 has 224 MA's), (127, 19327), (143, 19345), (164, 19381), (183, 19420), (306, 19627), (329, 19666), (332, 19669), (480, 19936), (529, 20038), (564, 20113), (571, 20125), (622, 20215), (623, 20218),

Gene: Dalmuri_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Dalmuri_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: DanBing_16 Start: 15895, Stop: 16809, Start Num: 70

Candidate Starts for DanBing_16:

(Start: 70 @15895 has 85 MA's), (90, 15919), (Start: 108 @15949 has 38 MA's), (164, 16030), (189, 16075), (328, 16300), (329, 16303), (332, 16306), (351, 16336), (416, 16393), (438, 16423), (491, 16492), (502, 16510), (533, 16585), (538, 16597), (571, 16660), (588, 16687), (623, 16750), (647, 16789), (654, 16801),

Gene: DanSyl44_24 Start: 17503, Stop: 18636, Start Num: 33

Candidate Starts for DanSyl44_24:

(Start: 33 @17503 has 231 MA's), (38, 17521), (Start: 59 @17593 has 11 MA's), (80, 17623), (142, 17713), (167, 17755), (180, 17779), (233, 17884), (332, 18037), (386, 18106), (390, 18112), (471, 18265), (496, 18283), (513, 18313), (535, 18355), (537, 18358), (640, 18550), (648, 18565), (663, 18604), (668, 18622),

Gene: Danforth_22 Start: 17615, Stop: 18637, Start Num: 78

Candidate Starts for Danforth_22:

(Start: 78 @17615 has 85 MA's), (159, 17738), (163, 17744), (196, 17816), (265, 17921), (279, 17948), (332, 18038), (451, 18239), (462, 18269), (463, 18272), (564, 18482), (586, 18521), (611, 18569), (622, 18584),

Gene: Danyall_32 Start: 25434, Stop: 26378, Start Num: 99

Candidate Starts for Danyall_32:

(Start: 99 @25434 has 32 MA's), (165, 25539), (201, 25608), (203, 25614), (217, 25638), (228, 25653), (462, 26013), (469, 26028), (485, 26046), (533, 26148), (548, 26190), (567, 26226), (623, 26322), (653, 26373),

Gene: Dardanus_23 Start: 15835, Stop: 16677, Start Num: 149

Candidate Starts for Dardanus_23:

(Start: 149 @15835 has 6 MA's), (Start: 151 @15838 has 5 MA's), (162, 15850), (183, 15886), (195, 15916), (197, 15919), (225, 15967), (240, 16000), (287, 16051), (292, 16063), (302, 16075), (403, 16198), (425, 16240), (429, 16249), (440, 16267), (441, 16270), (471, 16318), (473, 16321), (489, 16342), (515, 16390), (536, 16426), (574, 16498), (575, 16501), (579, 16507), (634, 16597), (644, 16612), (663, 16648),

Gene: Daredevil_28 Start: 24544, Stop: 25425, Start Num: 87

Candidate Starts for Daredevil_28:

(Start: 87 @24544 has 24 MA's), (142, 24619), (179, 24682), (182, 24691), (186, 24700), (269, 24820), (306, 24880), (390, 24988), (471, 25123), (513, 25171), (548, 25246), (578, 25294), (607, 25342), (611, 25351),

Gene: Darionha_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Darionha_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Darrell_29 Start: 20724, Stop: 21746, Start Num: 71

Candidate Starts for Darrell_29:

(Start: 71 @20724 has 224 MA's), (86, 20742), (101, 20769), (127, 20799), (143, 20817), (265, 21033), (285, 21069), (306, 21099), (332, 21141), (426, 21291), (432, 21300), (470, 21387), (502, 21453), (564, 21591), (571, 21603), (576, 21612), (585, 21627),

Gene: DartGoblin_22 Start: 15944, Stop: 17080, Start Num: 33

Candidate Starts for DartGoblin_22:

(Start: 33 @15944 has 231 MA's), (80, 16061), (142, 16151), (Start: 155 @16172 has 1 MA's), (167, 16193), (181, 16220), (292, 16421), (332, 16475), (392, 16556), (433, 16631), (445, 16646), (535, 16799), (580, 16892), (590, 16916), (648, 17009), (663, 17048), (668, 17066),

Gene: DARTH_P_21 Start: 16442, Stop: 17578, Start Num: 33

Candidate Starts for DARTH_P_21:

(Start: 33 @16442 has 231 MA's), (80, 16559), (Start: 93 @16577 has 57 MA's), (Start: 116 @16610 has 15 MA's), (142, 16649), (181, 16718), (232, 16817), (234, 16823), (292, 16919), (332, 16973), (381, 17039), (390, 17051), (471, 17207), (499, 17231), (535, 17297), (537, 17300), (538, 17303), (580, 17390), (648, 17507), (663, 17546), (668, 17564),

Gene: DARTHPhader_28 Start: 20722, Stop: 21738, Start Num: 71

Candidate Starts for DARTHPhader_28:

(Start: 71 @20722 has 224 MA's), (127, 20797), (143, 20815), (164, 20851), (183, 20890), (306, 21097), (329, 21136), (332, 21139), (418, 21280), (455, 21352), (571, 21595),

Gene: Dartin_22 Start: 15375, Stop: 16514, Start Num: 33

Candidate Starts for Dartin_22:

(Start: 33 @15375 has 231 MA's), (80, 15495), (142, 15585), (181, 15654), (232, 15753), (233, 15756), (292, 15855), (332, 15909), (392, 15990), (433, 16065), (445, 16080), (499, 16167), (513, 16191), (535, 16233), (537, 16236), (557, 16287), (580, 16326), (628, 16410), (640, 16428), (648, 16443), (663, 16482), (668, 16500),

Gene: Darwin_33 Start: 27301, Stop: 28167, Start Num: 85

Candidate Starts for Darwin_33:

(Start: 85 @27301 has 15 MA's), (102, 27325), (131, 27370), (165, 27430), (184, 27469), (235, 27565), (332, 27727), (358, 27760), (422, 27835), (443, 27859), (554, 28000), (580, 28036), (591, 28063), (628, 28120),

Gene: DatBoi_30 Start: 26971, Stop: 27855, Start Num: 87

Candidate Starts for DatBoi_30:

(Start: 87 @26971 has 24 MA's), (Start: 105 @26992 has 1 MA's), (142, 27046), (269, 27247), (300, 27298), (306, 27307), (332, 27343), (390, 27415), (394, 27421), (471, 27550), (513, 27598), (548, 27673), (578, 27721),

Gene: Deby_22 Start: 15985, Stop: 17121, Start Num: 33

Candidate Starts for Deby_22:

(Start: 33 @15985 has 231 MA's), (80, 16102), (142, 16192), (Start: 155 @16213 has 1 MA's), (167, 16234), (181, 16261), (332, 16516), (392, 16597), (433, 16672), (445, 16687), (513, 16798), (535, 16840), (580, 16933), (590, 16957), (648, 17050), (663, 17089), (668, 17107),

Gene: DeepSoil15_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for DeepSoil15_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281),

(640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: DeerParkTS_28 Start: 19239, Stop: 20249, Start Num: 71

Candidate Starts for DeerParkTS_28:

(Start: 71 @19239 has 224 MA's), (127, 19314), (143, 19332), (164, 19368), (183, 19407), (190, 19422), (306, 19614), (329, 19653), (332, 19656), (529, 20019), (564, 20094), (571, 20106), (622, 20196),

Gene: DekHockey33_29 Start: 18241, Stop: 19218, Start Num: 74

Candidate Starts for DekHockey33_29:

(Start: 74 @18241 has 22 MA's), (159, 18355), (163, 18361), (164, 18364), (292, 18598), (460, 18865), (498, 18919), (571, 19075),

Gene: DelRio_22 Start: 17301, Stop: 18362, Start Num: 76

Candidate Starts for DelRio_22:

(Start: 76 @17301 has 18 MA's), (Start: 111 @17346 has 15 MA's), (130, 17376), (190, 17484), (274, 17634), (296, 17682), (356, 17766), (364, 17775), (394, 17817), (488, 17994), (526, 18063), (626, 18258), (662, 18330), (663, 18333),

Gene: Delian_18 Start: 15817, Stop: 16677, Start Num: 89

Candidate Starts for Delian_18:

(Start: 85 @15811 has 15 MA's), (Start: 89 @15817 has 29 MA's), (186, 15973), (230, 16054), (306, 16153), (392, 16261), (447, 16345), (496, 16411), (529, 16456), (578, 16546), (603, 16588),

Gene: Deloris_28 Start: 19613, Stop: 20623, Start Num: 71

Candidate Starts for Deloris_28:

(Start: 71 @19613 has 224 MA's), (143, 19706), (164, 19742), (183, 19781), (306, 19988), (329, 20027), (332, 20030), (463, 20258), (480, 20291), (529, 20393), (537, 20414), (564, 20468), (571, 20480), (622, 20570),

Gene: Delrey21_33 Start: 29967, Stop: 30944, Start Num: 84

Candidate Starts for Delrey21_33:

(Start: 84 @29967 has 25 MA's), (144, 30054), (165, 30090), (183, 30126), (284, 30282), (286, 30285), (334, 30354), (379, 30417), (386, 30426), (437, 30516), (452, 30549), (453, 30552), (538, 30705), (555, 30747), (568, 30768), (586, 30795), (595, 30816), (601, 30825), (605, 30831), (625, 30864), (627, 30867), (656, 30912), (660, 30921), (664, 30933),

Gene: Demsculpinboyz_18 Start: 12806, Stop: 13735, Start Num: 108

Candidate Starts for Demsculpinboyz_18:

(Start: 108 @12806 has 38 MA's), (147, 12866), (177, 12917), (232, 13016), (234, 13022), (241, 13037), (317, 13157), (333, 13175), (381, 13241), (390, 13253), (421, 13298), (451, 13337), (453, 13343), (462, 13367), (463, 13370), (464, 13373), (510, 13451), (517, 13472), (518, 13475), (537, 13511), (545, 13538), (546, 13541), (571, 13580), (583, 13598), (585, 13604), (602, 13640), (606, 13646), (622, 13670), (627, 13676), (631, 13682),

Gene: Derg_29 Start: 28515, Stop: 29471, Start Num: 93

Candidate Starts for Derg_29:

(Start: 93 @28515 has 57 MA's), (190, 28671), (203, 28701), (210, 28713), (212, 28716), (217, 28725), (228, 28740), (234, 28752), (334, 28911), (360, 28947), (401, 29007), (431, 29043), (462, 29103), (513, 29193), (548, 29283), (561, 29307), (567, 29319), (602, 29385), (610, 29400), (629, 29424), (637, 29436),

Gene: Devera_22 Start: 16032, Stop: 17168, Start Num: 33

Candidate Starts for Devera_22:

(Start: 33 @16032 has 231 MA's), (80, 16149), (Start: 155 @16260 has 1 MA's), (167, 16281), (181, 16308), (233, 16410), (332, 16563), (392, 16644), (420, 16698), (433, 16719), (445, 16734), (513, 16845), (535, 16887), (580, 16980), (590, 17004), (648, 17097), (663, 17136), (668, 17154),

Gene: Dewey_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Dewey_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Dexdert_32 Start: 26991, Stop: 27968, Start Num: 84

Candidate Starts for Dexdert_32:

(Start: 84 @26991 has 25 MA's), (Start: 96 @27003 has 26 MA's), (115, 27030), (144, 27078), (146, 27081), (176, 27132), (214, 27210), (284, 27306), (305, 27339), (334, 27378), (418, 27507), (437, 27540), (453, 27576), (549, 27762), (568, 27792), (586, 27819), (605, 27855), (625, 27888), (664, 27957),

Gene: Dignity_29 Start: 19628, Stop: 20644, Start Num: 71

Candidate Starts for Dignity_29:

(Start: 71 @19628 has 224 MA's), (127, 19703), (143, 19721), (164, 19757), (183, 19796), (306, 20003), (329, 20042), (332, 20045), (390, 20132), (480, 20312), (529, 20414), (564, 20489), (571, 20501),

Gene: Diminimus_28 Start: 21456, Stop: 22367, Start Num: 66

Candidate Starts for Diminimus_28:

(Start: 66 @21456 has 21 MA's), (135, 21558), (150, 21576), (159, 21591), (196, 21663), (201, 21672), (257, 21750), (328, 21885), (329, 21888), (332, 21891), (380, 21960), (429, 22002), (438, 22008), (523, 22149), (533, 22170), (538, 22182), (616, 22305), (623, 22317),

Gene: DingDing_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for DingDing_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Dinger_22 Start: 15450, Stop: 16322, Start Num: 78

Candidate Starts for Dinger_22:

(Start: 78 @15450 has 85 MA's), (101, 15489), (163, 15576), (194, 15645), (249, 15723), (332, 15861), (529, 16086), (535, 16104), (571, 16173), (649, 16311),

Gene: DinoDaryn_23 Start: 15864, Stop: 16697, Start Num: 149

Candidate Starts for DinoDaryn_23:

(Start: 149 @15864 has 6 MA's), (Start: 151 @15867 has 5 MA's), (169, 15882), (187, 15921), (195, 15942), (197, 15945), (292, 16089), (429, 16275), (489, 16362), (536, 16446), (579, 16527), (630, 16611), (634, 16617), (642, 16629), (644, 16632), (660, 16656),

Gene: DirkDirk_17 Start: 15858, Stop: 16739, Start Num: 70

Candidate Starts for DirkDirk_17:

(45, 15804), (47, 15807), (Start: 59 @15840 has 11 MA's), (Start: 70 @15858 has 85 MA's), (90, 15882), (Start: 108 @15912 has 38 MA's), (Start: 119 @15927 has 6 MA's), (Start: 145 @15960 has 14 MA's), (237, 16104), (281, 16185), (329, 16260), (332, 16263), (336, 16269), (368, 16314), (389, 16341), (429, 16374), (438, 16380), (459, 16413), (463, 16422), (491, 16449), (542, 16569), (571, 16617), (588, 16644), (620, 16683), (623, 16689), (647, 16728),

Gene: DirtyBoi_19 Start: 16014, Stop: 16961, Start Num: 111

Candidate Starts for DirtyBoi_19:

(Start: 111 @16014 has 15 MA's), (225, 16209), (277, 16290), (284, 16302), (323, 16374), (330, 16380), (342, 16395), (386, 16455), (404, 16485), (406, 16491), (453, 16554), (462, 16578), (463, 16581), (487, 16620), (517, 16689), (537, 16731), (545, 16758), (571, 16800), (573, 16803), (580, 16815), (606, 16866), (625, 16890),

Gene: Discoknowium_23 Start: 18763, Stop: 19776, Start Num: 78

Candidate Starts for Discoknowium_23:

(Start: 78 @18763 has 85 MA's), (143, 18859), (163, 18892), (164, 18895), (183, 18934), (204, 18982), (306, 19135), (313, 19153), (332, 19177), (361, 19219), (519, 19531), (571, 19633), (586, 19660), (622, 19723),

Gene: DismalFunk_18 Start: 13889, Stop: 15016, Start Num: 35

Candidate Starts for DismalFunk_18:

(Start: 35 @13889 has 11 MA's), (38, 13898), (80, 14000), (142, 14090), (167, 14132), (169, 14135), (181, 14159), (232, 14258), (273, 14321), (292, 14360), (332, 14414), (381, 14480), (390, 14492), (417, 14543), (431, 14567), (471, 14645), (496, 14663), (513, 14693), (516, 14702), (535, 14735), (537, 14738), (590, 14852), (640, 14930), (648, 14945), (663, 14984), (668, 15002),

Gene: DismalStressor_18 Start: 13889, Stop: 15016, Start Num: 35

Candidate Starts for DismalStressor_18:

(Start: 35 @13889 has 11 MA's), (38, 13898), (80, 14000), (142, 14090), (167, 14132), (169, 14135), (181, 14159), (232, 14258), (273, 14321), (292, 14360), (332, 14414), (381, 14480), (390, 14492), (417, 14543), (431, 14567), (471, 14645), (496, 14663), (513, 14693), (516, 14702), (535, 14735), (537, 14738), (590, 14852), (640, 14930), (648, 14945), (663, 14984), (668, 15002),

Gene: Dixon_23 Start: 17634, Stop: 18656, Start Num: 78

Candidate Starts for Dixon_23:

(Start: 78 @17634 has 85 MA's), (159, 17757), (163, 17763), (196, 17835), (265, 17940), (279, 17967), (332, 18057), (451, 18258), (462, 18288), (463, 18291), (564, 18501), (586, 18540), (611, 18588), (622, 18603),

Gene: Dmitri_18 Start: 16558, Stop: 17505, Start Num: 111

Candidate Starts for Dmitri_18:

(Start: 111 @16558 has 15 MA's), (225, 16753), (277, 16834), (284, 16846), (323, 16918), (330, 16924), (342, 16939), (386, 16999), (404, 17029), (406, 17035), (453, 17098), (462, 17122), (463, 17125), (487, 17164), (517, 17233), (537, 17275), (571, 17344), (573, 17347), (580, 17359), (606, 17410), (625, 17434), (654, 17485), (655, 17488),

Gene: DoctorFroggo_33 Start: 29967, Stop: 30944, Start Num: 84

Candidate Starts for DoctorFroggo_33:

(Start: 84 @29967 has 25 MA's), (144, 30054), (165, 30090), (183, 30126), (284, 30282), (286, 30285), (334, 30354), (379, 30417), (386, 30426), (437, 30516), (452, 30549), (453, 30552), (538, 30705), (555, 30747), (568, 30768), (586, 30795), (595, 30816), (601, 30825), (605, 30831), (625, 30864), (627, 30867), (656, 30912), (660, 30921), (664, 30933),

Gene: Dogfish_20 Start: 17321, Stop: 18181, Start Num: 89

Candidate Starts for Dogfish_20:

(15, 17051), (Start: 89 @17321 has 29 MA's), (95, 17327), (Start: 119 @17363 has 6 MA's), (121, 17366), (209, 17528), (213, 17534), (222, 17549), (230, 17561), (303, 17657), (306, 17660), (310, 17669), (320, 17681), (332, 17696), (422, 17825), (497, 17921), (512, 17945), (529, 17966), (537, 17987), (545, 18017), (573, 18053), (605, 18107),

Gene: Doggs_17 Start: 16261, Stop: 17208, Start Num: 111

Candidate Starts for Doggs_17:

(Start: 111 @16261 has 15 MA's), (225, 16456), (277, 16537), (284, 16549), (323, 16621), (330, 16627), (342, 16642), (386, 16702), (404, 16732), (406, 16738), (453, 16801), (462, 16825), (463, 16828), (487, 16867), (517, 16936), (537, 16978), (545, 17005), (562, 17038), (571, 17047), (573, 17050), (580, 17062), (606, 17113), (625, 17137), (654, 17188), (655, 17191),

Gene: Dole_22 Start: 16034, Stop: 17170, Start Num: 33

Candidate Starts for Dole_22:

(Start: 33 @16034 has 231 MA's), (80, 16151), (Start: 155 @16262 has 1 MA's), (167, 16283), (181, 16310), (233, 16412), (332, 16565), (392, 16646), (420, 16700), (433, 16721), (445, 16736), (513, 16847), (535, 16889), (580, 16982), (590, 17006), (648, 17099), (663, 17138), (668, 17156),

Gene: DonkeyMan_17 Start: 14102, Stop: 14944, Start Num: 145

Candidate Starts for DonkeyMan_17:

(9, 13646), (14, 13724), (42, 13922), (123, 14063), (Start: 145 @14102 has 14 MA's), (183, 14171), (196, 14201), (206, 14222), (233, 14255), (257, 14297), (258, 14300), (348, 14441), (392, 14507), (468, 14639), (518, 14714), (544, 14768), (571, 14810), (607, 14876), (631, 14915),

Gene: Dorothea_30 Start: 18967, Stop: 19980, Start Num: 71

Candidate Starts for Dorothea_30:

(Start: 71 @18967 has 224 MA's), (Start: 108 @19021 has 38 MA's), (143, 19060), (196, 19165), (285, 19312), (306, 19342), (329, 19381), (332, 19384), (364, 19429), (403, 19489), (502, 19687), (571, 19837), (576, 19846),

Gene: DoubleChamp_20 Start: 16380, Stop: 17510, Start Num: 37

Candidate Starts for DoubleChamp_20:

(Start: 37 @16380 has 23 MA's), (124, 16554), (165, 16620), (167, 16623), (181, 16650), (232, 16749), (292, 16851), (332, 16905), (357, 16935), (381, 16971), (383, 16974), (390, 16983), (431, 17058), (433, 17061), (453, 17097), (471, 17139), (496, 17157), (499, 17163), (513, 17187), (514, 17190), (535, 17229), (648, 17439), (663, 17478), (668, 17496),

Gene: Douge_17 Start: 15701, Stop: 16588, Start Num: 70

Candidate Starts for Douge_17:

(Start: 70 @15701 has 85 MA's), (90, 15725), (Start: 106 @15752 has 1 MA's), (Start: 108 @15755 has 38 MA's), (Start: 119 @15770 has 6 MA's), (Start: 145 @15803 has 14 MA's), (196, 15899), (285, 16034), (290, 16043), (329, 16103), (332, 16106), (389, 16184), (418, 16199), (438, 16223), (491, 16292), (504, 16316), (510, 16334), (533, 16385), (542, 16412), (571, 16460), (588, 16487), (647, 16571),

Gene: Doughnut_18 Start: 13909, Stop: 15036, Start Num: 35

Candidate Starts for Doughnut_18:

(Start: 35 @13909 has 11 MA's), (38, 13918), (80, 14020), (142, 14110), (167, 14152), (181, 14179), (230, 14272), (232, 14278), (273, 14341), (292, 14380), (332, 14434), (390, 14512), (417, 14563), (431, 14587), (471, 14665), (496, 14683), (513, 14713), (535, 14755), (537, 14758), (590, 14872), (640, 14950), (648, 14965), (663, 15004), (668, 15022),

Gene: Douzhi_17 Start: 15692, Stop: 16579, Start Num: 70

Candidate Starts for Douzhi_17:

(Start: 70 @15692 has 85 MA's), (90, 15716), (Start: 106 @15743 has 1 MA's), (Start: 108 @15746 has 38 MA's), (Start: 119 @15761 has 6 MA's), (Start: 145 @15794 has 14 MA's), (196, 15890), (285, 16025), (290, 16034), (329, 16094), (332, 16097), (389, 16175), (418, 16190), (438, 16214), (459, 16247), (491, 16283), (504, 16307), (510, 16325), (514, 16334), (533, 16376), (542, 16403), (571, 16451), (588, 16478), (647, 16562),

Gene: DrHayes_22 Start: 15965, Stop: 17101, Start Num: 33

Candidate Starts for DrHayes_22:

(Start: 33 @15965 has 231 MA's), (80, 16082), (142, 16172), (Start: 155 @16193 has 1 MA's), (167, 16214), (181, 16241), (292, 16442), (332, 16496), (341, 16502), (392, 16577), (433, 16652), (445, 16667), (535, 16820), (580, 16913), (590, 16937), (648, 17030), (663, 17069), (668, 17087),

Gene: DrSeegs_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for DrSeegs_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Drake55_29 Start: 19657, Stop: 20673, Start Num: 71

Candidate Starts for Drake55_29:

(Start: 71 @19657 has 224 MA's), (127, 19732), (143, 19750), (164, 19786), (183, 19825), (285, 20002), (306, 20032), (329, 20071), (332, 20074), (571, 20530), (585, 20554),

Gene: Dre3_17 Start: 14967, Stop: 15938, Start Num: 114

Candidate Starts for Dre3_17:

(65, 14892), (Start: 114 @14967 has 61 MA's), (144, 15012), (190, 15096), (217, 15150), (255, 15207), (272, 15231), (277, 15240), (278, 15243), (305, 15300), (342, 15360), (352, 15378), (404, 15450), (414, 15471), (462, 15552), (517, 15666), (546, 15735), (548, 15738), (562, 15765), (567, 15774), (583, 15798), (596, 15831), (608, 15849), (635, 15894), (652, 15924),

Gene: DreamTeam1_27 Start: 18680, Stop: 19702, Start Num: 71

Candidate Starts for DreamTeam1_27:

(Start: 71 @18680 has 224 MA's), (86, 18698), (Start: 108 @18734 has 38 MA's), (143, 18773), (265, 18989), (285, 19025), (306, 19055), (332, 19097), (364, 19142), (426, 19247), (459, 19319), (470, 19343), (474, 19349), (564, 19547), (571, 19559), (576, 19568), (585, 19583), (622, 19649),

Gene: Dublin_22 Start: 18616, Stop: 19629, Start Num: 78

Candidate Starts for Dublin_22:

(Start: 78 @18616 has 85 MA's), (143, 18712), (163, 18745), (164, 18748), (183, 18787), (265, 18922), (297, 18982), (306, 18988), (313, 19006), (332, 19030), (361, 19072), (519, 19384), (571, 19486), (586, 19513), (622, 19576),

Gene: DudeLittle_27 Start: 19254, Stop: 20270, Start Num: 71

Candidate Starts for DudeLittle_27:

(Start: 71 @19254 has 224 MA's), (127, 19329), (143, 19347), (164, 19383), (183, 19422), (306, 19629), (329, 19668), (332, 19671), (480, 19938), (529, 20040), (564, 20115), (571, 20127), (622, 20217), (623, 20220),

Gene: Dulcita_28 Start: 21456, Stop: 22367, Start Num: 66

Candidate Starts for Dulcita_28:

(Start: 66 @21456 has 21 MA's), (135, 21558), (150, 21576), (159, 21591), (196, 21663), (201, 21672), (257, 21750), (328, 21885), (329, 21888), (332, 21891), (380, 21960), (429, 22002), (438, 22008), (523, 22149), (533, 22170), (538, 22182), (616, 22305), (623, 22317),

Gene: DumpsterDude_18 Start: 15153, Stop: 16214, Start Num: 76

Candidate Starts for DumpsterDude_18:

(Start: 76 @15153 has 18 MA's), (142, 15246), (167, 15288), (190, 15336), (233, 15414), (284, 15504), (296, 15534), (348, 15606), (354, 15615), (356, 15618), (364, 15627), (394, 15669), (451, 15768), (484, 15837), (626, 16110), (662, 16182), (663, 16185),

Gene: DuncansLeg_18 Start: 16490, Stop: 17380, Start Num: 70

Candidate Starts for DuncansLeg_18:

(Start: 70 @16490 has 85 MA's), (90, 16514), (Start: 119 @16559 has 6 MA's), (127, 16574), (Start: 145 @16595 has 14 MA's), (196, 16691), (201, 16700), (285, 16826), (290, 16835), (329, 16895), (332, 16898), (336, 16904), (389, 16976), (429, 17009), (442, 17021), (491, 17084), (525, 17159), (544, 17210), (571, 17252), (647, 17363), (649, 17366),

Gene: Duplo_30 Start: 19080, Stop: 20090, Start Num: 71

Candidate Starts for Duplo_30:

(Start: 71 @19080 has 224 MA's), (127, 19155), (143, 19173), (240, 19344), (306, 19455), (329, 19494), (332, 19497), (364, 19542), (529, 19860), (564, 19935), (571, 19947), (585, 19971), (622, 20037),

Gene: Durfee_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Durfee_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Dusty_46 Start: 28440, Stop: 29321, Start Num: 91

Candidate Starts for Dusty_46:

(Start: 87 @28434 has 24 MA's), (Start: 91 @28440 has 13 MA's), (123, 28488), (142, 28515), (182, 28587), (232, 28683), (312, 28791), (390, 28884), (405, 28908), (411, 28923), (471, 29019), (513, 29067), (611, 29247), (634, 29283),

Gene: DyoEdafos_18 Start: 15909, Stop: 16796, Start Num: 70

Candidate Starts for DyoEdafos_18:

(Start: 70 @15909 has 85 MA's), (90, 15933), (Start: 106 @15960 has 1 MA's), (Start: 108 @15963 has 38 MA's), (Start: 119 @15978 has 6 MA's), (Start: 145 @16011 has 14 MA's), (196, 16107), (285, 16242), (290, 16251), (329, 16311), (332, 16314), (389, 16392), (418, 16407), (438, 16431), (491, 16500), (504, 16524), (542, 16620), (571, 16668), (588, 16695), (620, 16734), (647, 16779),

Gene: ECartman_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for ECartman_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: EMoore_30 Start: 28525, Stop: 29511, Start Num: 84

Candidate Starts for EMoore_30:

(Start: 84 @28525 has 25 MA's), (183, 28684), (214, 28744), (231, 28774), (278, 28831), (284, 28840), (334, 28912), (365, 28951), (377, 28972), (391, 28990), (437, 29074), (448, 29095), (453, 29110), (512, 29215), (513, 29218), (545, 29290), (553, 29302), (565, 29326), (568, 29332), (577, 29347), (587, 29365), (605, 29398), (625, 29431), (627, 29434), (664, 29500),

Gene: EMSquaredA_19 Start: 16661, Stop: 17569, Start Num: 108

Candidate Starts for EMSquaredA_19:

(Start: 108 @16661 has 38 MA's), (144, 16718), (221, 16853), (232, 16868), (233, 16871), (269, 16922), (352, 17030), (388, 17078), (404, 17102), (415, 17120), (422, 17126), (449, 17162), (517, 17318), (538, 17345), (541, 17357), (546, 17372), (571, 17417), (583, 17435), (586, 17444), (604, 17480), (606, 17483), (627, 17519), (631, 17525), (635, 17531),

Gene: EZMoney23_31 Start: 21135, Stop: 22148, Start Num: 71

Candidate Starts for EZMoney23_31:

(Start: 71 @21135 has 224 MA's), (143, 21228), (164, 21264), (183, 21303), (306, 21510), (329, 21549), (332, 21552), (364, 21597), (403, 21657), (463, 21783), (480, 21816), (571, 22005), (585, 22029),

Gene: EagleEye_29 Start: 19925, Stop: 20941, Start Num: 71

Candidate Starts for EagleEye_29:

(Start: 71 @19925 has 224 MA's), (86, 19943), (143, 20018), (183, 20093), (225, 20156), (306, 20300), (329, 20339), (332, 20342), (390, 20429), (514, 20681), (519, 20696), (537, 20732), (571, 20798), (584, 20816), (585, 20822),

Gene: Ebony_27 Start: 19779, Stop: 20801, Start Num: 71

Candidate Starts for Ebony_27:

(Start: 71 @19779 has 224 MA's), (Start: 108 @19836 has 38 MA's), (159, 19911), (234, 20040), (265, 20100), (297, 20160), (306, 20166), (332, 20208), (364, 20253), (368, 20259), (418, 20343), (439, 20376), (571, 20658), (576, 20667), (585, 20682), (622, 20748),

Gene: Echild_27 Start: 19279, Stop: 20295, Start Num: 71

Candidate Starts for Echild_27:

(Start: 71 @19279 has 224 MA's), (127, 19354), (143, 19372), (164, 19408), (183, 19447), (306, 19654), (329, 19693), (332, 19696), (529, 20065), (564, 20140), (571, 20152),

Gene: Ecliptus_23 Start: 17506, Stop: 18432, Start Num: 108

Candidate Starts for Ecliptus_23:

(Start: 106 @17503 has 1 MA's), (Start: 108 @17506 has 38 MA's), (144, 17563), (202, 17665), (208, 17677), (225, 17701), (232, 17710), (233, 17713), (234, 17716), (278, 17779), (305, 17812), (320, 17833), (337, 17848), (378, 17908), (388, 17920), (404, 17944), (425, 17971), (426, 17974), (449, 18004), (484, 18082), (517, 18163), (537, 18205), (538, 18208), (540, 18217), (541, 18220), (545, 18232), (546, 18235), (554, 18247), (559, 18259), (571, 18280), (576, 18289), (583, 18298), (604, 18343), (606, 18346), (609, 18352), (631, 18388), (635, 18394),

Gene: EdmundFerry_30 Start: 26577, Stop: 27554, Start Num: 84

Candidate Starts for EdmundFerry_30:

(Start: 84 @26577 has 25 MA's), (Start: 96 @26589 has 26 MA's), (115, 26616), (144, 26664), (146, 26667), (176, 26718), (214, 26796), (284, 26892), (334, 26964), (418, 27093), (437, 27126), (453, 27162), (549, 27348), (568, 27378), (586, 27405), (605, 27441), (625, 27474), (664, 27543),

Gene: EdogawaKiddo_26 Start: 20527, Stop: 21540, Start Num: 71

Candidate Starts for EdogawaKiddo_26:

(Start: 71 @20527 has 224 MA's), (86, 20545), (127, 20602), (143, 20620), (164, 20656), (265, 20836), (285, 20872), (306, 20902), (332, 20944), (432, 21103), (502, 21247), (529, 21310), (564, 21385), (571, 21397), (585, 21421),

Gene: Edugator_19 Start: 16302, Stop: 17432, Start Num: 37

Candidate Starts for Edugator_19:

(Start: 37 @16302 has 23 MA's), (124, 16476), (165, 16542), (181, 16572), (232, 16671), (292, 16773), (332, 16827), (357, 16857), (381, 16893), (383, 16896), (390, 16905), (431, 16980), (433, 16983), (453, 17019), (471, 17061), (496, 17079), (499, 17085), (513, 17109), (514, 17112), (535, 17151), (585, 17253), (648, 17361), (663, 17400), (668, 17418),

Gene: Efra2_22 Start: 15227, Stop: 16363, Start Num: 33

Candidate Starts for Efra2_22:

(Start: 33 @15227 has 231 MA's), (80, 15344), (142, 15434), (Start: 155 @15455 has 1 MA's), (181, 15503), (332, 15758), (392, 15839), (433, 15914), (445, 15929), (513, 16040), (535, 16082), (571, 16160), (580, 16175), (590, 16199), (648, 16292), (663, 16331), (668, 16349),

Gene: Egi03_30 Start: 25124, Stop: 26056, Start Num: 99

Candidate Starts for Egi03_30:

(Start: 99 @25124 has 32 MA's), (165, 25220), (201, 25289), (203, 25295), (217, 25319), (228, 25334), (360, 25544), (422, 25622), (453, 25667), (462, 25691), (488, 25730), (533, 25826), (548, 25868), (567, 25904), (585, 25934), (608, 25979), (623, 26000), (653, 26051),

Gene: Eidsmoe_28 Start: 20557, Stop: 21570, Start Num: 71

Candidate Starts for Eidsmoe_28:

(Start: 71 @20557 has 224 MA's), (86, 20575), (127, 20632), (143, 20650), (164, 20686), (265, 20866), (285, 20902), (306, 20932), (332, 20974), (432, 21133), (502, 21277), (529, 21340), (564, 21415), (571, 21427), (585, 21451),

Gene: Ein37_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Ein37_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Ekdilam_19 Start: 16204, Stop: 17340, Start Num: 33

Candidate Starts for Ekdilam_19:

(Start: 33 @16204 has 231 MA's), (80, 16321), (Start: 93 @16339 has 57 MA's), (Start: 116 @16372 has 15 MA's), (142, 16411), (181, 16480), (232, 16579), (234, 16585), (332, 16735), (381, 16801), (390, 16813), (471, 16969), (499, 16993), (514, 17020), (535, 17059), (537, 17062), (580, 17152), (648, 17269), (663, 17308), (668, 17326),

Gene: ElJefes_16 Start: 14940, Stop: 15896, Start Num: 114

Candidate Starts for ElJefes_16:

(Start: 114 @14940 has 61 MA's), (144, 14985), (190, 15069), (217, 15123), (234, 15150), (272, 15201), (274, 15204), (277, 15210), (278, 15213), (305, 15267), (312, 15282), (340, 15324), (342, 15327), (357, 15351), (404, 15417), (462, 15513), (545, 15696), (546, 15699), (562, 15729), (567, 15738), (596, 15795), (631, 15846), (652, 15882), (654, 15888),

Gene: ElTiger69_23 Start: 17966, Stop: 18979, Start Num: 78

Candidate Starts for ElTiger69_23:

(Start: 78 @17966 has 85 MA's), (163, 18095), (164, 18098), (183, 18137), (265, 18272), (281, 18302), (297, 18332), (306, 18338), (313, 18356), (332, 18380), (361, 18422), (455, 18593), (571, 18836), (622, 18926),

Gene: Elephantoon_28 Start: 20168, Stop: 21190, Start Num: 71

Candidate Starts for Elephantoon_28:

(Start: 71 @20168 has 224 MA's), (86, 20186), (101, 20213), (127, 20243), (143, 20261), (164, 20297), (265, 20477), (285, 20513), (306, 20543), (332, 20585), (426, 20735), (432, 20744), (470, 20831), (502, 20897), (564, 21035), (571, 21047), (576, 21056), (585, 21071),

Gene: Elinal_18 Start: 14465, Stop: 15421, Start Num: 114

Candidate Starts for Elinal_18:

(Start: 114 @14465 has 61 MA's), (144, 14510), (177, 14567), (190, 14594), (217, 14648), (234, 14675), (272, 14726), (274, 14729), (277, 14735), (278, 14738), (305, 14792), (312, 14807), (340, 14849), (342, 14852), (357, 14876), (373, 14891), (404, 14942), (462, 15038), (546, 15224), (562, 15254), (567, 15263), (583, 15287), (596, 15320), (652, 15407), (654, 15413),

Gene: Elliott_17 Start: 14764, Stop: 15735, Start Num: 114

Candidate Starts for Elliott_17:

(Start: 114 @14764 has 61 MA's), (144, 14809), (156, 14830), (190, 14893), (201, 14917), (217, 14947), (239, 14986), (272, 15025), (277, 15034), (278, 15037), (311, 15103), (342, 15151), (375, 15193), (404, 15241), (437, 15292), (462, 15352), (469, 15367), (471, 15370), (483, 15388), (486, 15394), (506, 15439), (517, 15466), (528, 15484), (546, 15538), (562, 15568), (567, 15577), (576, 15592), (606, 15649), (639, 15697), (652, 15721), (654, 15727),

Gene: Elle_27 Start: 18087, Stop: 19064, Start Num: 74

Candidate Starts for Elle_27:

(Start: 74 @18087 has 22 MA's), (101, 18129), (148, 18186), (159, 18201), (163, 18207), (164, 18210), (204, 18297), (292, 18444), (405, 18594), (479, 18741), (571, 18921), (603, 18981), (612, 18996), (622, 19011),

Gene: Ellie_19 Start: 16200, Stop: 17336, Start Num: 33

Candidate Starts for Ellie_19:

(Start: 33 @16200 has 231 MA's), (80, 16317), (Start: 116 @16368 has 15 MA's), (181, 16476), (233, 16578), (234, 16581), (292, 16677), (332, 16731), (381, 16797), (390, 16809), (535, 17055), (537, 17058), (648, 17265), (663, 17304), (668, 17322),

Gene: Ellson_18 Start: 16498, Stop: 17388, Start Num: 70

Candidate Starts for Ellson_18:

(Start: 70 @16498 has 85 MA's), (90, 16522), (Start: 119 @16567 has 6 MA's), (127, 16582), (Start: 145 @16603 has 14 MA's), (196, 16699), (201, 16708), (285, 16834), (290, 16843), (329, 16903), (332, 16906), (336, 16912), (389, 16984), (429, 17017), (442, 17029), (491, 17092), (525, 17167), (544, 17218), (571, 17260), (647, 17371), (649, 17374),

Gene: Emalyn_16 Start: 14065, Stop: 15036, Start Num: 114

Candidate Starts for Emalyn_16:

(Start: 114 @14065 has 61 MA's), (144, 14110), (156, 14131), (177, 14167), (217, 14248), (272, 14326), (277, 14335), (278, 14338), (305, 14392), (311, 14404), (342, 14452), (375, 14494), (404, 14542), (437, 14593), (451, 14623), (462, 14653), (469, 14668), (471, 14671), (517, 14767), (528, 14785), (546, 14839), (548, 14842), (562, 14869), (567, 14878), (576, 14893), (606, 14950), (639, 14998), (652, 15022), (654, 15028),

Gene: Emerson_22 Start: 16011, Stop: 17147, Start Num: 33

Candidate Starts for Emerson_22:

(Start: 33 @16011 has 231 MA's), (80, 16128), (142, 16218), (Start: 155 @16239 has 1 MA's), (167, 16260), (181, 16287), (332, 16542), (392, 16623), (433, 16698), (445, 16713), (513, 16824), (535, 16866), (580, 16959), (590, 16983), (648, 17076), (663, 17115), (668, 17133),

Gene: EmiRose_16 Start: 13050, Stop: 13937, Start Num: 157

Candidate Starts for EmiRose_16:

(Start: 157 @13050 has 1 MA's), (168, 13068), (201, 13137), (244, 13227), (251, 13236), (271, 13269), (278, 13284), (381, 13440), (383, 13443), (388, 13449), (467, 13608), (494, 13638), (507, 13668), (512, 13680), (561, 13794), (564, 13800),

Gene: Emianna_40 Start: 29879, Stop: 30820, Start Num: 96

Candidate Starts for Emianna_40:

(Start: 96 @29879 has 26 MA's), (152, 29966), (190, 30041), (Start: 226 @30107 has 1 MA's), (249, 30149), (282, 30206), (426, 30419), (447, 30446), (513, 30557), (580, 30689), (636, 30785),

Gene: EmyBug_28 Start: 20557, Stop: 21570, Start Num: 71

Candidate Starts for EmyBug_28:

(Start: 71 @20557 has 224 MA's), (86, 20575), (127, 20632), (143, 20650), (164, 20686), (265, 20866), (285, 20902), (306, 20932), (332, 20974), (432, 21133), (502, 21277), (529, 21340), (564, 21415), (571, 21427), (585, 21451),

Gene: EnalisNailo_19 Start: 16810, Stop: 17718, Start Num: 108

Candidate Starts for EnalisNailo_19:

(Start: 108 @16810 has 38 MA's), (144, 16867), (232, 17017), (233, 17020), (269, 17071), (320, 17140), (352, 17179), (388, 17227), (404, 17251), (422, 17275), (517, 17467), (538, 17494), (540, 17503), (541, 17506), (546, 17521), (569, 17563), (571, 17566), (586, 17593), (604, 17629), (610, 17641), (631, 17674), (635, 17680),

Gene: Enceladus_17 Start: 15859, Stop: 16740, Start Num: 70

Candidate Starts for Enceladus_17:

(45, 15805), (47, 15808), (Start: 59 @15841 has 11 MA's), (Start: 70 @15859 has 85 MA's), (90, 15883), (Start: 108 @15913 has 38 MA's), (Start: 119 @15928 has 6 MA's), (Start: 145 @15961 has 14 MA's), (237, 16105), (281, 16186), (329, 16261), (332, 16264), (336, 16270), (368, 16315), (389, 16342), (429, 16375), (438, 16381), (459, 16414), (463, 16423), (491, 16450), (542, 16570), (571, 16618), (588, 16645), (620, 16684), (623, 16690), (647, 16729),

Gene: Engineer_48 Start: 28657, Stop: 29538, Start Num: 91

Candidate Starts for Engineer_48:

(Start: 87 @28651 has 24 MA's), (Start: 91 @28657 has 13 MA's), (123, 28705), (142, 28732), (182, 28804), (215, 28870), (232, 28900), (312, 29008), (390, 29101), (405, 29125), (411, 29140), (471, 29236), (513, 29284), (611, 29464), (634, 29500),

Gene: Enkosi_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for Enkosi_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: Ennea_46 Start: 30548, Stop: 31465, Start Num: 96

Candidate Starts for Ennea_46:

(Start: 96 @30548 has 26 MA's), (152, 30626), (190, 30701), (249, 30809), (297, 30893), (422, 31073), (426, 31079), (550, 31295), (580, 31334), (621, 31409), (636, 31430), (648, 31451),

Gene: Eponine_23 Start: 17390, Stop: 18523, Start Num: 33

Candidate Starts for Eponine_23:

(Start: 33 @17390 has 231 MA's), (Start: 59 @17480 has 11 MA's), (80, 17510), (142, 17600), (167, 17642), (169, 17645), (176, 17657), (386, 17993), (390, 17999), (431, 18074), (471, 18152), (494, 18167), (513, 18200), (535, 18242), (537, 18245), (583, 18338), (648, 18452), (663, 18491), (668, 18509),

Gene: Epsocamisio_29 Start: 18119, Stop: 19096, Start Num: 74

Candidate Starts for Epsocamisio_29:

(Start: 74 @18119 has 22 MA's), (159, 18233), (163, 18239), (164, 18242), (292, 18476), (460, 18743), (498, 18797), (571, 18953),

Gene: Equemioh13_29 Start: 19643, Stop: 20659, Start Num: 71

Candidate Starts for Equemioh13_29:

(Start: 71 @19643 has 224 MA's), (127, 19718), (143, 19736), (164, 19772), (183, 19811), (285, 19988), (306, 20018), (329, 20057), (332, 20060), (571, 20516), (585, 20540),

Gene: EricB_30 Start: 18959, Stop: 19972, Start Num: 71

Candidate Starts for EricB_30:

(Start: 71 @18959 has 224 MA's), (Start: 108 @19013 has 38 MA's), (143, 19052), (196, 19157), (285, 19304), (306, 19334), (329, 19373), (332, 19376), (364, 19421), (403, 19481), (502, 19679), (571, 19829), (576, 19838),

Gene: Erik_22 Start: 15479, Stop: 16351, Start Num: 78

Candidate Starts for Erik_22:

(Start: 78 @15479 has 85 MA's), (101, 15518), (159, 15599), (163, 15605), (194, 15674), (249, 15752), (265, 15785), (281, 15812), (332, 15890), (428, 15986), (529, 16115), (535, 16133), (564, 16190), (571, 16202), (591, 16244), (649, 16340),

Gene: Espica_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Espica_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: Estes_32 Start: 22177, Stop: 23088, Start Num: 66

Candidate Starts for Estes_32:

(Start: 66 @22177 has 21 MA's), (72, 22186), (Start: 108 @22240 has 38 MA's), (131, 22276), (135, 22279), (150, 22297), (159, 22312), (194, 22381), (196, 22384), (329, 22609), (332, 22612), (351, 22642), (429, 22723), (438, 22729), (538, 22903), (542, 22918), (562, 22951), (646, 23074),

Gene: Et2Brutus_26 Start: 19739, Stop: 20761, Start Num: 71

Candidate Starts for Et2Brutus_26:

(Start: 71 @19739 has 224 MA's), (Start: 108 @19796 has 38 MA's), (159, 19871), (234, 20000), (265, 20060), (297, 20120), (306, 20126), (332, 20168), (364, 20213), (368, 20219), (418, 20303), (439, 20336), (571, 20618), (576, 20627), (585, 20642), (622, 20708),

Gene: Evamon_30 Start: 24920, Stop: 25864, Start Num: 99

Candidate Starts for Evamon_30:

(Start: 99 @24920 has 32 MA's), (165, 25025), (201, 25094), (203, 25100), (217, 25124), (228, 25139), (462, 25499), (469, 25514), (485, 25532), (533, 25634), (548, 25676), (567, 25712), (608, 25787), (623, 25808), (653, 25859),

Gene: Evanesce_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Evanesce_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: EvilGenius_29 Start: 19596, Stop: 20612, Start Num: 71

Candidate Starts for EvilGenius_29:

(Start: 71 @19596 has 224 MA's), (127, 19671), (143, 19689), (164, 19725), (183, 19764), (306, 19971), (329, 20010), (332, 20013), (390, 20100), (480, 20280), (529, 20382), (564, 20457), (571, 20469),

Gene: Ewald_21 Start: 17595, Stop: 18455, Start Num: 89

Candidate Starts for Ewald_21:

(Start: 89 @17595 has 29 MA's), (95, 17601), (103, 17613), (Start: 119 @17637 has 6 MA's), (121, 17640), (213, 17808), (222, 17823), (230, 17835), (303, 17931), (306, 17934), (310, 17943), (320, 17955), (332, 17970), (422, 18099), (512, 18219), (529, 18240), (537, 18261), (605, 18381),

Gene: Expelliarmus_22 Start: 17601, Stop: 18623, Start Num: 78

Candidate Starts for Expelliarmus_22:

(Start: 78 @17601 has 85 MA's), (159, 17724), (163, 17730), (196, 17802), (265, 17907), (279, 17934), (332, 18024), (451, 18225), (462, 18255), (463, 18258), (564, 18468), (586, 18507), (611, 18555), (622, 18570),

Gene: ExplosioNervosa_28 Start: 20560, Stop: 21573, Start Num: 71

Candidate Starts for ExplosioNervosa_28:

(Start: 71 @20560 has 224 MA's), (86, 20578), (127, 20635), (143, 20653), (164, 20689), (265, 20869), (285, 20905), (306, 20935), (332, 20977), (432, 21136), (502, 21280), (529, 21343), (564, 21418), (571, 21430), (585, 21454),

Gene: Eyes_18 Start: 15709, Stop: 16635, Start Num: 111

Candidate Starts for Eyes_18:

(13, 15391), (24, 15490), (40, 15577), (Start: 94 @15691 has 5 MA's), (Start: 111 @15709 has 15 MA's), (Start: 119 @15718 has 6 MA's), (147, 15760), (Start: 155 @15772 has 1 MA's), (284, 15994), (307, 16039), (323, 16063), (330, 16069), (337, 16078), (342, 16084), (362, 16114), (386, 16144), (404, 16174), (406, 16180), (422, 16195), (452, 16240), (453, 16243), (462, 16267), (497, 16324), (506, 16345), (537, 16411), (571, 16480), (598, 16534), (652, 16618),

Gene: FF47_20 Start: 14818, Stop: 15930, Start Num: 36

Candidate Starts for FF47_20:

(Start: 36 @14818 has 4 MA's), (44, 14866), (118, 14974), (124, 14983), (169, 15052), (182, 15079), (265, 15226), (334, 15334), (390, 15409), (396, 15418), (414, 15454), (464, 15523), (490, 15565), (516, 15619), (544, 15676), (601, 15781), (605, 15787), (661, 15892),

Gene: Fairfaxidum_18 Start: 15961, Stop: 16821, Start Num: 87

Candidate Starts for Fairfaxidum_18:

(Start: 87 @15961 has 24 MA's), (Start: 105 @15976 has 1 MA's), (124, 16006), (139, 16027), (186, 16117), (230, 16198), (390, 16402), (392, 16405), (529, 16600), (578, 16690), (603, 16732), (632, 16780), (636, 16786),

Gene: Faith1_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for Faith1_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Faiyaz_23 Start: 18613, Stop: 19611, Start Num: 57

Candidate Starts for Faiyaz_23:

(Start: 57 @18613 has 5 MA's), (Start: 106 @18679 has 1 MA's), (165, 18769), (169, 18775), (191, 18823), (216, 18871), (232, 18898), (256, 18925), (257, 18928), (273, 18949), (301, 19000), (343, 19051), (349, 19060), (369, 19087), (412, 19162), (427, 19186), (499, 19276), (514, 19300), (515, 19303), (535, 19339), (557, 19393), (562, 19402), (586, 19444), (587, 19447), (640, 19528), (645, 19537), (663, 19582),

Gene: Fameo_27 Start: 19223, Stop: 20239, Start Num: 71

Candidate Starts for Fameo_27:

(Start: 71 @19223 has 224 MA's), (127, 19298), (143, 19316), (164, 19352), (183, 19391), (306, 19598), (329, 19637), (332, 19640), (480, 19907), (529, 20009), (564, 20084), (571, 20096), (622, 20186),

Gene: Farewell_15 Start: 15126, Stop: 16142, Start Num: 52

Candidate Starts for Farewell_15:

(Start: 52 @15126 has 2 MA's), (53, 15135), (Start: 73 @15165 has 1 MA's), (120, 15234), (132, 15255), (201, 15375), (204, 15384), (249, 15471), (285, 15537), (332, 15624), (336, 15630), (416, 15714), (429, 15738), (436, 15741), (544, 15939), (556, 15951), (576, 15990), (594, 16017), (603, 16032), (654, 16122),

Gene: FarmResident_17 Start: 15745, Stop: 16632, Start Num: 70

Candidate Starts for FarmResident_17:

(Start: 70 @15745 has 85 MA's), (90, 15769), (Start: 106 @15796 has 1 MA's), (Start: 108 @15799 has 38 MA's), (Start: 119 @15814 has 6 MA's), (Start: 145 @15847 has 14 MA's), (196, 15943), (285, 16078), (290, 16087), (329, 16147), (332, 16150), (389, 16228), (418, 16243), (438, 16267), (491, 16336), (504, 16360), (510, 16378), (533, 16429), (542, 16456), (571, 16504), (588, 16531), (647, 16615),

Gene: FatCactus_25 Start: 17601, Stop: 18611, Start Num: 71

Candidate Starts for FatCactus_25:

(Start: 71 @17601 has 224 MA's), (127, 17676), (143, 17694), (164, 17730), (183, 17769), (234, 17850), (306, 17976), (329, 18015), (332, 18018), (418, 18153), (480, 18279), (524, 18372), (529, 18381), (537, 18402), (571, 18468), (585, 18492), (601, 18525), (622, 18558),

Gene: Fayely_28 Start: 20560, Stop: 21573, Start Num: 71

Candidate Starts for Fayely_28:

(Start: 71 @20560 has 224 MA's), (86, 20578), (127, 20635), (143, 20653), (164, 20689), (265, 20869), (285, 20905), (306, 20935), (332, 20977), (432, 21136), (502, 21280), (529, 21343), (564, 21418), (571, 21430), (585, 21454),

Gene: Feastonyeet_16 Start: 14508, Stop: 15464, Start Num: 114

Candidate Starts for Feastonyeet_16:

(Start: 114 @14508 has 61 MA's), (144, 14553), (177, 14610), (190, 14637), (217, 14691), (234, 14718), (272, 14769), (274, 14772), (277, 14778), (278, 14781), (305, 14835), (312, 14850), (342, 14895), (357, 14919), (404, 14985), (462, 15081), (546, 15267), (562, 15297), (567, 15306), (583,

15330), (596, 15363), (652, 15450), (654, 15456),

Gene: Fefferhead_21 Start: 16367, Stop: 17503, Start Num: 33

Candidate Starts for Fefferhead_21:

(Start: 33 @16367 has 231 MA's), (80, 16484), (Start: 116 @16535 has 15 MA's), (181, 16643), (233, 16745), (234, 16748), (292, 16844), (332, 16898), (381, 16964), (390, 16976), (535, 17222), (537, 17225), (648, 17432), (663, 17471), (668, 17489),

Gene: FeliMaine_51 Start: 26439, Stop: 27401, Start Num: 70

Candidate Starts for FeliMaine_51:

(Start: 70 @26439 has 85 MA's), (159, 26571), (174, 26595), (180, 26604), (182, 26610), (185, 26619), (196, 26643), (201, 26652), (206, 26664), (211, 26676), (279, 26790), (321, 26871), (332, 26886), (336, 26892), (429, 27000), (514, 27126), (516, 27132), (552, 27207), (593, 27282), (596, 27288), (605, 27300), (607, 27303), (657, 27390), (658, 27393), (659, 27396),

Gene: Fenry_17 Start: 15512, Stop: 16372, Start Num: 87

Candidate Starts for Fenry_17:

(Start: 87 @15512 has 24 MA's), (186, 15668), (230, 15749), (280, 15806), (306, 15848), (392, 15956), (447, 16040), (496, 16106), (499, 16112), (529, 16151), (578, 16241), (603, 16283),

Gene: Feyre_20 Start: 16241, Stop: 17371, Start Num: 37

Candidate Starts for Feyre_20:

(Start: 37 @16241 has 23 MA's), (167, 16484), (181, 16511), (232, 16610), (292, 16712), (332, 16766), (357, 16796), (381, 16832), (383, 16835), (390, 16844), (431, 16919), (433, 16922), (453, 16958), (471, 17000), (496, 17018), (499, 17024), (513, 17048), (514, 17051), (516, 17057), (535, 17090), (648, 17300), (663, 17339), (668, 17357),

Gene: Fibonacci_27 Start: 19733, Stop: 20755, Start Num: 71

Candidate Starts for Fibonacci_27:

(Start: 71 @19733 has 224 MA's), (Start: 108 @19790 has 38 MA's), (159, 19865), (234, 19994), (265, 20054), (297, 20114), (306, 20120), (332, 20162), (364, 20207), (368, 20213), (418, 20297), (439, 20330), (571, 20612), (576, 20621), (585, 20636), (622, 20702),

Gene: Findley_18 Start: 13892, Stop: 15019, Start Num: 35

Candidate Starts for Findley_18:

(Start: 35 @13892 has 11 MA's), (38, 13901), (80, 14003), (142, 14093), (167, 14135), (169, 14138), (181, 14162), (232, 14261), (273, 14324), (292, 14363), (332, 14417), (381, 14483), (390, 14495), (417, 14546), (431, 14570), (471, 14648), (496, 14666), (513, 14696), (516, 14705), (535, 14738), (537, 14741), (590, 14855), (640, 14933), (648, 14948), (663, 14987), (668, 15005),

Gene: Finemlucis_17 Start: 16080, Stop: 16994, Start Num: 70

Candidate Starts for Finemlucis_17:

(Start: 70 @16080 has 85 MA's), (90, 16104), (Start: 108 @16134 has 38 MA's), (189, 16260), (237, 16332), (328, 16485), (329, 16488), (332, 16491), (351, 16521), (416, 16578), (429, 16602), (438, 16608), (491, 16677), (502, 16695), (509, 16716), (538, 16782), (571, 16845), (647, 16974), (654, 16986),

Gene: Finnry_18 Start: 16494, Stop: 17384, Start Num: 70

Candidate Starts for Finnry_18:

(Start: 70 @16494 has 85 MA's), (90, 16518), (Start: 119 @16563 has 6 MA's), (127, 16578), (Start: 145 @16599 has 14 MA's), (196, 16695), (285, 16830), (290, 16839), (329, 16899), (332, 16902), (336, 16908), (389, 16980), (429, 17013), (491, 17088), (515, 17142), (525, 17163), (544, 17214), (571, 17256), (647, 17367), (649, 17370),

Gene: Fionnbharth_23 Start: 17490, Stop: 18623, Start Num: 33

Candidate Starts for Fionnbharth_23:

(Start: 33 @17490 has 231 MA's), (38, 17508), (Start: 59 @17580 has 11 MA's), (80, 17610), (142, 17700), (167, 17742), (180, 17766), (233, 17871), (386, 18093), (390, 18099), (469, 18249), (471, 18252), (496, 18270), (513, 18300), (535, 18342), (537, 18345), (557, 18396), (640, 18537), (648, 18552), (663, 18591), (668, 18609),

Gene: Fireball_31 Start: 25055, Stop: 25987, Start Num: 99

Candidate Starts for Fireball_31:

(Start: 99 @25055 has 32 MA's), (165, 25151), (201, 25220), (203, 25226), (217, 25250), (228, 25265), (237, 25283), (360, 25475), (422, 25553), (453, 25598), (462, 25622), (488, 25661), (533, 25757), (548, 25799), (567, 25835), (585, 25865), (608, 25910), (623, 25931), (653, 25982),

Gene: FiringLine_27 Start: 19105, Stop: 20121, Start Num: 71

Candidate Starts for FiringLine_27:

(Start: 71 @19105 has 224 MA's), (127, 19180), (143, 19198), (164, 19234), (183, 19273), (306, 19480), (329, 19519), (332, 19522), (480, 19789), (529, 19891), (564, 19966), (571, 19978), (622, 20068),

Gene: First_0027 Start: 19219, Stop: 20229, Start Num: 71

Candidate Starts for First_0027:

(Start: 71 @19219 has 224 MA's), (Start: 108 @19273 has 38 MA's), (143, 19312), (183, 19387), (265, 19528), (306, 19594), (329, 19633), (332, 19636), (463, 19864), (480, 19897), (529, 19999), (537, 20020), (564, 20074), (571, 20086), (622, 20176),

Gene: Fitzgerald_32 Start: 29941, Stop: 30897, Start Num: 93

Candidate Starts for Fitzgerald_32:

(Start: 93 @29941 has 57 MA's), (203, 30127), (210, 30139), (228, 30166), (238, 30187), (280, 30247), (334, 30337), (360, 30373), (384, 30406), (394, 30421), (401, 30433), (425, 30463), (431, 30469), (462, 30529), (513, 30619), (548, 30709), (561, 30733), (567, 30745), (602, 30811), (610, 30826), (629, 30850), (637, 30862), (653, 30892),

Gene: FlagStaff_17 Start: 15628, Stop: 16848, Start Num: 25

Candidate Starts for FlagStaff_17:

(5, 15304), (Start: 25 @15628 has 1 MA's), (Start: 33 @15664 has 231 MA's), (80, 15790), (127, 15850), (142, 15874), (167, 15916), (169, 15919), (220, 16021), (233, 16045), (239, 16060), (242, 16066), (265, 16105), (270, 16111), (369, 16255), (379, 16273), (394, 16294), (399, 16300), (409, 16324), (429, 16360), (513, 16525), (535, 16567), (538, 16573), (628, 16744), (661, 16810),

Gene: Flapper_44 Start: 30267, Stop: 31184, Start Num: 96

Candidate Starts for Flapper_44:

(Start: 96 @30267 has 26 MA's), (152, 30345), (232, 30498), (306, 30627), (426, 30798), (580, 31053), (621, 31128), (636, 31149),

Gene: Flare16_27 Start: 19201, Stop: 20217, Start Num: 71

Candidate Starts for Flare16_27:

(Start: 71 @19201 has 224 MA's), (127, 19276), (143, 19294), (164, 19330), (183, 19369), (285, 19546), (306, 19576), (329, 19615), (332, 19618), (571, 20074), (585, 20098),

Gene: Flatwoods_34 Start: 28876, Stop: 29832, Start Num: 93

Candidate Starts for Flatwoods_34:

(Start: 93 @28876 has 57 MA's), (190, 29032), (203, 29062), (210, 29074), (217, 29086), (228, 29101), (234, 29113), (334, 29272), (360, 29308), (401, 29368), (414, 29392), (431, 29404), (462, 29464), (513, 29554), (548, 29644), (561, 29668), (567, 29680), (602, 29746), (610, 29761), (629, 29785), (637, 29797),

Gene: Flaverint_27 Start: 19730, Stop: 20752, Start Num: 71

Candidate Starts for Flaverint_27:

(Start: 71 @19730 has 224 MA's), (Start: 108 @19787 has 38 MA's), (159, 19862), (234, 19991), (265, 20051), (297, 20111), (306, 20117), (332, 20159), (364, 20204), (368, 20210), (418, 20294), (439, 20327), (571, 20609), (576, 20618), (585, 20633), (622, 20699),

Gene: Float294_42 Start: 29990, Stop: 30907, Start Num: 96

Candidate Starts for Float294_42:

(Start: 96 @29990 has 26 MA's), (152, 30068), (190, 30143), (249, 30251), (297, 30335), (422, 30515), (426, 30521), (550, 30737), (580, 30776), (621, 30851), (630, 30863), (636, 30872), (648, 30893),

Gene: Floral_19 Start: 16661, Stop: 17569, Start Num: 108

Candidate Starts for Floral_19:

(Start: 108 @16661 has 38 MA's), (144, 16718), (221, 16853), (232, 16868), (233, 16871), (269, 16922), (352, 17030), (388, 17078), (404, 17102), (415, 17120), (422, 17126), (449, 17162), (517, 17318), (538, 17345), (541, 17357), (546, 17372), (571, 17417), (583, 17435), (586, 17444), (604, 17480), (606, 17483), (627, 17519), (631, 17525), (635, 17531),

Gene: Florence1_23 Start: 18436, Stop: 19449, Start Num: 78

Candidate Starts for Florence1_23:

(Start: 78 @18436 has 85 MA's), (143, 18532), (163, 18565), (164, 18568), (265, 18742), (281, 18772), (297, 18802), (306, 18808), (313, 18826), (332, 18850), (361, 18892), (455, 19063), (519, 19204), (571, 19306), (586, 19333), (622, 19396),

Gene: Florence4_24 Start: 18436, Stop: 19449, Start Num: 78

Candidate Starts for Florence4_24:

(Start: 78 @18436 has 85 MA's), (143, 18532), (163, 18565), (164, 18568), (265, 18742), (281, 18772), (297, 18802), (306, 18808), (313, 18826), (332, 18850), (361, 18892), (455, 19063), (519, 19204), (571, 19306), (586, 19333), (622, 19396),

Gene: ForGetIt_23 Start: 18499, Stop: 19512, Start Num: 78

Candidate Starts for ForGetIt_23:

(Start: 78 @18499 has 85 MA's), (143, 18595), (163, 18628), (164, 18631), (183, 18670), (204, 18718), (306, 18871), (313, 18889), (332, 18913), (361, 18955), (519, 19267), (571, 19369), (586, 19396),

Gene: ForesterFrank_28 Start: 20675, Stop: 21688, Start Num: 71

Candidate Starts for ForesterFrank_28:

(Start: 71 @20675 has 224 MA's), (143, 20768), (164, 20804), (183, 20843), (306, 21050), (329, 21089), (332, 21092), (364, 21137), (403, 21197), (462, 21320), (463, 21323), (571, 21545),

Gene: Forge_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Forge_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Forza_100 Start: 59008, Stop: 59943, Start Num: 94

Candidate Starts for Forza_100:

(Start: 94 @59008 has 5 MA's), (107, 59023), (110, 59029), (115, 59035), (180, 59152), (181, 59155), (203, 59206), (228, 59242), (326, 59377), (356, 59413), (377, 59443), (514, 59695), (538, 59740), (547, 59770), (551, 59776), (568, 59803), (590, 59842), (633, 59911),

Gene: Fosterous_32 Start: 29783, Stop: 30739, Start Num: 93

Candidate Starts for Fosterous_32:

(Start: 93 @29783 has 57 MA's), (203, 29969), (210, 29981), (228, 30008), (238, 30029), (280, 30089), (331, 30176), (334, 30179), (360, 30215), (384, 30248), (394, 30263), (401, 30275), (425, 30305), (431, 30311), (462, 30371), (513, 30461), (548, 30551), (561, 30575), (567, 30587), (602, 30653), (610, 30668), (629, 30692), (637, 30704), (653, 30734),

Gene: Foxboro_41 Start: 30385, Stop: 31326, Start Num: 96

Candidate Starts for Foxboro_41:

(Start: 96 @30385 has 26 MA's), (152, 30472), (190, 30547), (Start: 226 @30613 has 1 MA's), (249, 30655), (282, 30712), (426, 30925), (447, 30952), (513, 31063), (580, 31195), (636, 31291),

Gene: Francois_21 Start: 16316, Stop: 17377, Start Num: 76

Candidate Starts for Francois_21:

(Start: 76 @16316 has 18 MA's), (Start: 111 @16361 has 15 MA's), (130, 16391), (190, 16499), (274, 16649), (296, 16697), (356, 16781), (364, 16790), (394, 16832), (505, 17042), (526, 17078), (626, 17273), (662, 17345), (663, 17348),

Gene: FreakyGoo_28 Start: 21457, Stop: 22368, Start Num: 66

Candidate Starts for FreakyGoo_28:

(Start: 66 @21457 has 21 MA's), (135, 21559), (150, 21577), (159, 21592), (196, 21664), (201, 21673), (257, 21751), (328, 21886), (329, 21889), (332, 21892), (380, 21961), (429, 22003), (438, 22009), (523, 22150), (533, 22171), (538, 22183), (616, 22306), (623, 22318),

Gene: Fribs8_18 Start: 15556, Stop: 16521, Start Num: 114

Candidate Starts for Fribs8_18:

(Start: 114 @15556 has 61 MA's), (144, 15601), (177, 15658), (190, 15685), (217, 15739), (272, 15820), (277, 15829), (278, 15832), (311, 15901), (342, 15949), (352, 15967), (404, 16039), (414, 16054), (451, 16105), (452, 16108), (517, 16249), (546, 16318), (548, 16321), (562, 16348), (567, 16357), (583, 16381), (596, 16414), (602, 16423), (608, 16432), (635, 16477), (652, 16507), (654, 16513),

Gene: Frickyeah_19 Start: 15508, Stop: 16431, Start Num: 116

Candidate Starts for Frickyeah_19:

(Start: 116 @15508 has 15 MA's), (Start: 119 @15511 has 6 MA's), (128, 15523), (140, 15541), (169, 15586), (190, 15625), (210, 15664), (232, 15697), (234, 15703), (277, 15772), (305, 15826), (307, 15829), (309, 15832), (317, 15844), (342, 15874), (352, 15892), (394, 15946), (401, 15958), (404, 15964), (422, 15985), (453, 16033), (462, 16057), (469, 16072), (471, 16075), (488, 16096), (545, 16228), (546, 16231), (550, 16237), (571, 16270), (583, 16288), (596, 16321), (631, 16372), (641, 16387), (658, 16423),

Gene: Frizzle_15 Start: 13493, Stop: 14353, Start Num: 89

Candidate Starts for Frizzle_15:

(Start: 85 @13487 has 15 MA's), (Start: 89 @13493 has 29 MA's), (117, 13520), (Start: 119 @13523 has 6 MA's), (209, 13682), (234, 13727), (235, 13730), (311, 13832), (326, 13850), (408, 13958), (537, 14144), (538, 14147), (576, 14219), (615, 14285), (638, 14321),

Gene: Frokostdame_18 Start: 15774, Stop: 16619, Start Num: 105

Candidate Starts for Frokostdame_18:

(Start: 87 @15759 has 24 MA's), (Start: 105 @15774 has 1 MA's), (170, 15876), (186, 15915), (230, 15996), (297, 16080), (306, 16095), (392, 16203), (447, 16287), (496, 16353), (499, 16359), (529, 16398), (578, 16488), (603, 16530),

Gene: Frosty24_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Frosty24_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Fryberger_52 Start: 26990, Stop: 27934, Start Num: 108

Candidate Starts for Fryberger_52:

(Start: 106 @26987 has 1 MA's), (Start: 108 @26990 has 38 MA's), (181, 27110), (234, 27206), (298, 27308), (340, 27374), (352, 27395), (357, 27401), (390, 27452), (404, 27476), (462, 27569), (488, 27608), (539, 27719), (540, 27725), (543, 27734), (545, 27740), (562, 27773), (567, 27782), (573, 27791), (583, 27806), (625, 27881), (633, 27893), (641, 27905), (652, 27926),

Gene: FuegoCuervo_36 Start: 28328, Stop: 29284, Start Num: 93

Candidate Starts for FuegoCuervo_36:

(Start: 93 @28328 has 57 MA's), (203, 28514), (210, 28526), (228, 28553), (238, 28574), (280, 28634), (331, 28721), (334, 28724), (360, 28760), (384, 28793), (394, 28808), (401, 28820), (425, 28850), (431, 28856), (462, 28916), (513, 29006), (548, 29096), (561, 29120), (567, 29132), (602, 29198), (610, 29213), (629, 29237), (637, 29249), (653, 29279),

Gene: Fugax_32 Start: 25634, Stop: 26578, Start Num: 99

Candidate Starts for Fugax_32:

(Start: 99 @25634 has 32 MA's), (165, 25739), (201, 25808), (203, 25814), (217, 25838), (228, 25853), (462, 26213), (469, 26228), (485, 26246), (533, 26348), (548, 26390), (567, 26426), (623, 26522), (653, 26573),

Gene: Fury_49 Start: 29757, Stop: 30677, Start Num: 96

Candidate Starts for Fury_49:

(Start: 96 @29757 has 26 MA's), (152, 29838), (190, 29913), (216, 29964), (282, 30078), (422, 30285), (580, 30546), (613, 30609), (636, 30642),

Gene: GAL1_19 Start: 16068, Stop: 16979, Start Num: 117

Candidate Starts for GAL1_19:

(117, 16068), (180, 16173), (192, 16197), (193, 16200), (194, 16203), (203, 16221), (221, 16248), (232, 16263), (247, 16290), (262, 16302), (269, 16314), (278, 16332), (289, 16347), (291, 16356), (298, 16365), (342, 16419), (362, 16449), (388, 16485), (391, 16491), (393, 16494), (400, 16500), (415, 16527), (422, 16533), (449, 16569), (451, 16575), (471, 16623), (488, 16653), (509, 16701), (513, 16710), (517, 16725), (537, 16749), (541, 16764), (546, 16779), (554, 16791), (571, 16824), (576, 16833), (604, 16887), (606, 16890),

Gene: GEazy_18 Start: 15730, Stop: 16650, Start Num: 119

Candidate Starts for GEazy_18:

(Start: 94 @15700 has 5 MA's), (Start: 111 @15721 has 15 MA's), (Start: 119 @15730 has 6 MA's), (147, 15772), (284, 16006), (307, 16051), (323, 16075), (330, 16081), (337, 16090), (342, 16096), (362, 16126), (386, 16156), (404, 16186), (406, 16192), (453, 16255), (462, 16279), (497, 16336), (537, 16423), (571, 16492), (633, 16597), (652, 16630),

Gene: GMA2_29 Start: 30651, Stop: 31595, Start Num: 84

Candidate Starts for GMA2_29:

(Start: 84 @30651 has 25 MA's), (110, 30681), (115, 30687), (123, 30702), (150, 30750), (181, 30807), (219, 30882), (231, 30903), (269, 30942), (326, 31029), (356, 31065), (367, 31077), (373, 31086), (377, 31095), (412, 31152), (515, 31350), (538, 31392), (551, 31428), (568, 31455), (572, 31461), (590, 31494), (605, 31518), (633, 31563),

Gene: GMA4_17 Start: 16043, Stop: 16957, Start Num: 155

Candidate Starts for GMA4_17:

(86, 15926), (Start: 93 @15941 has 57 MA's), (122, 15983), (Start: 155 @16043 has 1 MA's), (277, 16232), (287, 16250), (340, 16325), (355, 16349), (418, 16448), (441, 16487), (496, 16598), (497, 16601), (515, 16634), (542, 16694), (590, 16793), (638, 16871), (644, 16880), (648, 16889), (660, 16916), (665, 16937), (666, 16943),

Gene: GRU1_30 Start: 22167, Stop: 23084, Start Num: 96

Candidate Starts for GRU1_30:

(Start: 96 @22167 has 26 MA's), (152, 22245), (232, 22398), (297, 22512), (306, 22527), (353, 22590), (426, 22698), (580, 22953), (621, 23028), (636, 23049),

Gene: GTE2_15 Start: 14148, Stop: 15074, Start Num: 144

Candidate Starts for GTE2_15:

(Start: 114 @14103 has 61 MA's), (144, 14148), (156, 14169), (177, 14205), (201, 14256), (217, 14286), (272, 14364), (277, 14373), (278, 14376), (305, 14430), (311, 14442), (342, 14490), (375, 14532), (404, 14580), (437, 14631), (451, 14661), (462, 14691), (469, 14706), (471, 14709), (517, 14805), (528, 14823), (545, 14874), (546, 14877), (562, 14907), (567, 14916), (576, 14931), (606, 14988), (639, 15036), (652, 15060), (654, 15066),

Gene: GTE5_31 Start: 23122, Stop: 24039, Start Num: 96

Candidate Starts for GTE5_31:

(Start: 96 @23122 has 26 MA's), (152, 23200), (232, 23353), (306, 23482), (426, 23653), (529, 23809), (580, 23908), (621, 23983), (636, 24004),

Gene: GTE6_31 Start: 27069, Stop: 28046, Start Num: 84

Candidate Starts for GTE6_31:

(Start: 84 @27069 has 25 MA's), (Start: 96 @27081 has 26 MA's), (115, 27108), (144, 27156), (176, 27210), (214, 27288), (284, 27384), (305, 27417), (334, 27456), (418, 27585), (437, 27618), (453, 27654), (549, 27840), (568, 27870), (605, 27933), (625, 27966), (664, 28035),

Gene: GTE8_29 Start: 23138, Stop: 24079, Start Num: 96

Candidate Starts for GTE8_29:

(Start: 96 @23138 has 26 MA's), (152, 23225), (190, 23300), (249, 23408), (272, 23447), (353, 23570), (426, 23678), (513, 23816), (580, 23948), (636, 24044),

Gene: Gabriela_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for Gabriela_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Gaea_33 Start: 28524, Stop: 29480, Start Num: 93

Candidate Starts for Gaea_33:

(Start: 93 @28524 has 57 MA's), (190, 28680), (203, 28710), (210, 28722), (217, 28734), (228, 28749), (234, 28761), (334, 28920), (360, 28956), (401, 29016), (414, 29040), (431, 29052), (462, 29112), (513, 29202), (534, 29253), (548, 29292), (561, 29316), (567, 29328), (602, 29394), (610, 29409), (625, 29427), (629, 29433), (637, 29445),

Gene: Gaia_13 Start: 13325, Stop: 14437, Start Num: 46

Candidate Starts for Gaia_13:

(Start: 46 @13325 has 2 MA's), (49, 13328), (Start: 114 @13421 has 61 MA's), (118, 13427), (147, 13472), (165, 13502), (180, 13529), (181, 13532), (183, 13538), (190, 13553), (191, 13556), (230, 13625), (232, 13631), (273, 13709), (306, 13766), (332, 13802), (381, 13868), (390, 13880), (445, 13982), (447, 13985), (456, 14012), (490, 14075), (535, 14156), (538, 14162), (562, 14219), (580, 14249), (587, 14264), (601, 14288), (605, 14294), (640, 14351), (668, 14423),

Gene: Gail_26 Start: 18165, Stop: 19187, Start Num: 71

Candidate Starts for Gail_26:

(Start: 71 @18165 has 224 MA's), (86, 18183), (Start: 108 @18219 has 38 MA's), (127, 18240), (143, 18258), (203, 18378), (285, 18510), (306, 18540), (329, 18579), (332, 18582), (364, 18627), (455, 18792), (470, 18828), (502, 18894), (571, 19044), (585, 19068),

Gene: Galadriel_34 Start: 30272, Stop: 31228, Start Num: 93

Candidate Starts for Galadriel_34:

(Start: 93 @30272 has 57 MA's), (203, 30458), (210, 30470), (228, 30497), (238, 30518), (280, 30578), (331, 30665), (334, 30668), (360, 30704), (384, 30737), (394, 30752), (401, 30764), (425, 30794), (431, 30800), (462, 30860), (513, 30950), (548, 31040), (561, 31064), (567, 31076), (602, 31142), (629, 31181), (637, 31193), (653, 31223),

Gene: Gambino_20 Start: 16105, Stop: 16965, Start Num: 87

Candidate Starts for Gambino_20:

(Start: 87 @16105 has 24 MA's), (Start: 105 @16120 has 1 MA's), (170, 16222), (186, 16261), (230, 16342), (297, 16426), (306, 16441), (392, 16549), (447, 16633), (496, 16699), (499, 16705), (529, 16744), (578, 16834), (603, 16876),

Gene: Gancho_20 Start: 16036, Stop: 17130, Start Num: 68

Candidate Starts for Gancho_20:

(Start: 68 @16036 has 28 MA's), (75, 16045), (142, 16141), (147, 16150), (153, 16159), (181, 16210), (183, 16216), (232, 16306), (234, 16312), (243, 16330), (284, 16399), (289, 16408), (296, 16429), (299, 16435), (302, 16441), (305, 16444), (356, 16516), (359, 16519), (451, 16675), (484, 16744), (518, 16816), (529, 16834), (546, 16888), (564, 16918), (580, 16945), (583, 16948), (601, 16984), (605, 16990), (611, 17002), (640, 17044), (648, 17059), (650, 17062), (661, 17092),

Gene: Ganymede_23 Start: 16031, Stop: 17167, Start Num: 33

Candidate Starts for Ganymede_23:

(Start: 33 @16031 has 231 MA's), (80, 16148), (142, 16238), (Start: 155 @16259 has 1 MA's), (167, 16280), (181, 16307), (332, 16562), (392, 16643), (433, 16718), (445, 16733), (513, 16844), (535, 16886), (580, 16979), (590, 17003), (648, 17096), (663, 17135), (668, 17153),

Gene: Garak_31 Start: 18964, Stop: 19980, Start Num: 71

Candidate Starts for Garak_31:

(Start: 71 @18964 has 224 MA's), (Start: 108 @19018 has 38 MA's), (143, 19057), (196, 19162), (285, 19309), (306, 19339), (329, 19378), (332, 19381), (390, 19468), (403, 19489), (463, 19615), (502, 19687), (571, 19837), (576, 19846), (622, 19927),

Gene: Gardann_17 Start: 16079, Stop: 16993, Start Num: 70

Candidate Starts for Gardann_17:

(Start: 70 @16079 has 85 MA's), (90, 16103), (Start: 108 @16133 has 38 MA's), (189, 16259), (237, 16331), (328, 16484), (329, 16487), (332, 16490), (351, 16520), (416, 16577), (429, 16601), (438, 16607), (491, 16676), (502, 16694), (509, 16715), (533, 16769), (538, 16781), (571, 16844), (647, 16973), (654, 16985),

Gene: GardenSalsa_31 Start: 22001, Stop: 22912, Start Num: 66

Candidate Starts for GardenSalsa_31:

(Start: 66 @22001 has 21 MA's), (72, 22010), (Start: 108 @22064 has 38 MA's), (131, 22100), (135, 22103), (150, 22121), (159, 22136), (194, 22205), (196, 22208), (329, 22433), (332, 22436), (351, 22466), (438, 22553), (514, 22673), (538, 22727), (542, 22742), (562, 22775), (646, 22898),

Gene: Gattaca_48 Start: 25618, Stop: 26580, Start Num: 70

Candidate Starts for Gattaca_48:

(Start: 70 @25618 has 85 MA's), (159, 25750), (174, 25774), (180, 25783), (182, 25789), (185, 25798), (196, 25822), (201, 25831), (206, 25843), (279, 25969), (321, 26050), (332, 26065), (336, 26071), (429, 26179), (514, 26305), (516, 26311), (552, 26386), (593, 26461), (596, 26467), (605, 26479), (607, 26482), (657, 26569), (658, 26572), (659, 26575),

Gene: GaugeLDP_29 Start: 20459, Stop: 21469, Start Num: 71

Candidate Starts for GaugeLDP_29:

(Start: 71 @20459 has 224 MA's), (143, 20552), (164, 20588), (183, 20627), (306, 20834), (329, 20873), (332, 20876), (529, 21239), (571, 21326), (585, 21350),

Gene: Geeche_46 Start: 28531, Stop: 29412, Start Num: 91

Candidate Starts for Geeche_46:

(Start: 91 @28531 has 13 MA's), (123, 28579), (142, 28606), (182, 28678), (215, 28744), (232, 28774), (312, 28882), (390, 28975), (405, 28999), (411, 29014), (471, 29110), (513, 29158), (611, 29338), (634, 29374),

Gene: GenevaB15_31 Start: 22046, Stop: 22957, Start Num: 66

Candidate Starts for GenevaB15_31:

(Start: 66 @22046 has 21 MA's), (72, 22055), (Start: 108 @22109 has 38 MA's), (131, 22145), (135, 22148), (150, 22166), (159, 22181), (164, 22190), (194, 22250), (196, 22253), (329, 22478), (332, 22481), (351, 22511), (438, 22598), (523, 22739), (542, 22787), (562, 22820), (646, 22943),

Gene: Gengar_20 Start: 16348, Stop: 17478, Start Num: 37

Candidate Starts for Gengar_20:

(Start: 37 @16348 has 23 MA's), (124, 16522), (165, 16588), (167, 16591), (181, 16618), (232, 16717), (292, 16819), (332, 16873), (357, 16903), (381, 16939), (383, 16942), (390, 16951), (431, 17026), (433, 17029), (453, 17065), (471, 17107), (496, 17125), (499, 17131), (513, 17155), (514, 17158), (516, 17164), (535, 17197), (648, 17407), (663, 17446), (668, 17464),

Gene: Geodirt_31 Start: 29258, Stop: 30214, Start Num: 93

Candidate Starts for Geodirt_31:

(Start: 93 @29258 has 57 MA's), (203, 29444), (210, 29456), (228, 29483), (238, 29504), (280, 29564), (334, 29654), (360, 29690), (384, 29723), (394, 29738), (401, 29750), (425, 29780), (431, 29786), (462, 29846), (513, 29936), (548, 30026), (561, 30050), (567, 30062), (602, 30128), (610, 30143), (629, 30167), (637, 30179),

Gene: George_22 Start: 18648, Stop: 19661, Start Num: 78

Candidate Starts for George_22:

(Start: 78 @18648 has 85 MA's), (143, 18744), (163, 18777), (164, 18780), (183, 18819), (265, 18954), (297, 19014), (306, 19020), (313, 19038), (332, 19062), (361, 19104), (519, 19416), (571, 19518), (622, 19608),

Gene: Georgie2_28 Start: 19096, Stop: 20112, Start Num: 71

Candidate Starts for Georgie2_28:

(Start: 71 @19096 has 224 MA's), (127, 19171), (143, 19189), (164, 19225), (183, 19264), (306, 19471), (329, 19510), (332, 19513), (480, 19780), (529, 19882), (564, 19957), (571, 19969), (622, 20059),

Gene: Geraldini_22 Start: 16027, Stop: 17163, Start Num: 33

Candidate Starts for Geraldini_22:

(Start: 33 @16027 has 231 MA's), (80, 16144), (142, 16234), (Start: 155 @16255 has 1 MA's), (167, 16276), (181, 16303), (332, 16558), (392, 16639), (433, 16714), (445, 16729), (513, 16840), (516, 16849), (535, 16882), (580, 16975), (590, 16999), (648, 17092), (663, 17131), (668, 17149),

Gene: Getalong_20 Start: 16305, Stop: 17228, Start Num: 116

Candidate Starts for Getalong_20:

(Start: 116 @16305 has 15 MA's), (Start: 119 @16308 has 6 MA's), (128, 16320), (140, 16338), (169, 16383), (190, 16422), (210, 16461), (232, 16494), (234, 16500), (277, 16569), (305, 16623), (307, 16626), (309, 16629), (317, 16641), (337, 16665), (342, 16671), (352, 16689), (394, 16743), (401, 16755), (404, 16761), (422, 16782), (452, 16827), (453, 16830), (459, 16848), (462, 16854), (469, 16869), (471, 16872), (545, 17025), (546, 17028), (550, 17034), (571, 17067), (583, 17085), (596, 17118), (631, 17169), (641, 17184), (658, 17220),

Gene: Gezellig_30 Start: 25052, Stop: 25996, Start Num: 99

Candidate Starts for Gezellig_30:

(Start: 99 @25052 has 32 MA's), (165, 25157), (201, 25226), (203, 25232), (217, 25256), (228, 25271), (462, 25631), (469, 25646), (485, 25664), (533, 25766), (548, 25808), (567, 25844), (623, 25940), (653, 25991),

Gene: Ghobes_15 Start: 13491, Stop: 14351, Start Num: 89

Candidate Starts for Ghobes_15:

(Start: 85 @13485 has 15 MA's), (Start: 89 @13491 has 29 MA's), (117, 13518), (Start: 119 @13521 has 6 MA's), (234, 13725), (235, 13728), (269, 13755), (311, 13830), (326, 13848), (408, 13956), (537, 14142), (538, 14145), (576, 14217), (615, 14283), (638, 14319), (651, 14343),

Gene: Ghoulboy_23 Start: 18814, Stop: 19827, Start Num: 78

Candidate Starts for Ghoulboy_23:

(Start: 78 @18814 has 85 MA's), (143, 18910), (163, 18943), (164, 18946), (183, 18985), (204, 19033), (306, 19186), (313, 19204), (332, 19228), (361, 19270), (519, 19582), (571, 19684), (586, 19711),

Gene: GiKK_20 Start: 14134, Stop: 15093, Start Num: 114

Candidate Starts for GiKK_20:

(Start: 114 @14134 has 61 MA's), (146, 14182), (147, 14185), (190, 14263), (274, 14398), (277, 14404), (312, 14476), (327, 14500), (342, 14521), (404, 14611), (425, 14626), (431, 14641), (462, 14713), (506, 14800), (546, 14896), (562, 14926), (567, 14935), (583, 14959), (596, 14992), (602, 15001), (606, 15007), (641, 15058), (652, 15079), (654, 15085),

Gene: Gibbous_17 Start: 14967, Stop: 15938, Start Num: 114

Candidate Starts for Gibbous_17:

(65, 14892), (Start: 114 @14967 has 61 MA's), (144, 15012), (190, 15096), (217, 15150), (255, 15207), (272, 15231), (277, 15240), (278, 15243), (305, 15300), (342, 15360), (352, 15378), (404, 15450),

(414, 15471), (462, 15552), (517, 15666), (546, 15735), (548, 15738), (562, 15765), (567, 15774), (583, 15798), (596, 15831), (608, 15849), (635, 15894), (652, 15924),

Gene: Gideon_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Gideon_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Gilberta_27 Start: 19727, Stop: 20749, Start Num: 71

Candidate Starts for Gilberta_27:

(Start: 71 @19727 has 224 MA's), (Start: 108 @19784 has 38 MA's), (159, 19859), (234, 19988), (265, 20048), (297, 20108), (306, 20114), (332, 20156), (364, 20201), (368, 20207), (418, 20291), (439, 20324), (571, 20606), (576, 20615), (585, 20630), (622, 20696),

Gene: Giles_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Giles_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Gladiator_30 Start: 18950, Stop: 19966, Start Num: 71

Candidate Starts for Gladiator_30:

(Start: 71 @18950 has 224 MA's), (86, 18968), (Start: 108 @19004 has 38 MA's), (143, 19043), (196, 19148), (306, 19325), (329, 19364), (332, 19367), (390, 19454), (403, 19475), (463, 19601), (502, 19673), (571, 19823), (576, 19832), (622, 19913),

Gene: Glaske16_28 Start: 21456, Stop: 22367, Start Num: 66

Candidate Starts for Glaske16_28:

(Start: 66 @21456 has 21 MA's), (135, 21558), (150, 21576), (159, 21591), (196, 21663), (201, 21672), (257, 21750), (328, 21885), (329, 21888), (332, 21891), (380, 21960), (429, 22002), (438, 22008), (523, 22149), (533, 22170), (538, 22182), (616, 22305), (623, 22317),

Gene: GodSpeed_18 Start: 15640, Stop: 16833, Start Num: 33

Candidate Starts for GodSpeed_18:

(5, 15277), (Start: 25 @15604 has 1 MA's), (Start: 33 @15640 has 231 MA's), (80, 15766), (Start: 93 @15784 has 57 MA's), (127, 15835), (142, 15859), (167, 15901), (169, 15904), (183, 15934), (220, 16006), (233, 16030), (239, 16045), (265, 16090), (270, 16096), (369, 16240), (399, 16285), (409, 16309), (429, 16345), (513, 16510), (535, 16552), (628, 16729), (661, 16795),

Gene: GodonK_88 Start: 51377, Stop: 52333, Start Num: 81

Candidate Starts for GodonK_88:

(Start: 81 @51377 has 2 MA's), (110, 51416), (171, 51521), (181, 51542), (203, 51593), (207, 51599), (229, 51632), (356, 51800), (377, 51830), (470, 52010), (503, 52064), (515, 52085), (529, 52103), (538, 52127), (545, 52154), (547, 52157), (551, 52163), (568, 52190), (582, 52208), (629, 52292), (633, 52298), (635, 52301),

Gene: Goib_22 Start: 15642, Stop: 16475, Start Num: 149

Candidate Starts for Goib_22:

(Start: 149 @15642 has 6 MA's), (Start: 151 @15645 has 5 MA's), (169, 15660), (187, 15699), (195, 15720), (197, 15723), (292, 15867), (429, 16053), (471, 16122), (536, 16224), (579, 16305), (581, 16308), (630, 16389), (634, 16395), (642, 16407), (644, 16410), (660, 16434),

Gene: GoldHunter_18 Start: 14765, Stop: 15736, Start Num: 114

Candidate Starts for GoldHunter_18:

(Start: 114 @14765 has 61 MA's), (144, 14810), (156, 14831), (190, 14894), (201, 14918), (217, 14948), (239, 14987), (272, 15026), (277, 15035), (278, 15038), (311, 15104), (342, 15152), (375, 15194), (404, 15242), (437, 15293), (462, 15353), (469, 15368), (471, 15371), (483, 15389), (486, 15395), (506, 15440), (517, 15467), (528, 15485), (546, 15539), (562, 15569), (567, 15578), (576, 15593), (606, 15650), (639, 15698), (652, 15722), (654, 15728),

Gene: GoldenAsh_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for GoldenAsh_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Gollum_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Gollum_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (529, 16116), (535, 16134), (571, 16203), (649, 16341),

Gene: Gomashi_17 Start: 15478, Stop: 16650, Start Num: 33

Candidate Starts for Gomashi_17:

(5, 15145), (Start: 33 @15478 has 231 MA's), (80, 15598), (Start: 93 @15616 has 57 MA's), (124, 15661), (127, 15667), (165, 15730), (183, 15766), (218, 15835), (220, 15838), (232, 15859), (270, 15913), (292, 15958), (311, 15988), (390, 16090), (399, 16102), (404, 16114), (412, 16132), (496, 16297), (513, 16327), (526, 16345), (535, 16369), (591, 16489), (648, 16579), (661, 16612),

Gene: GoongGoong_48 Start: 25658, Stop: 26620, Start Num: 70

Candidate Starts for GoongGoong_48:

(Start: 70 @25658 has 85 MA's), (159, 25790), (174, 25814), (180, 25823), (182, 25829), (185, 25838), (196, 25862), (201, 25871), (206, 25883), (279, 26009), (321, 26090), (332, 26105), (336, 26111), (429, 26219), (514, 26345), (516, 26351), (593, 26501), (596, 26507), (605, 26519), (607, 26522), (657, 26609), (658, 26612), (659, 26615),

Gene: GrandSlam_21 Start: 16827, Stop: 17888, Start Num: 76

Candidate Starts for GrandSlam_21:

(Start: 76 @16827 has 18 MA's), (Start: 111 @16872 has 15 MA's), (130, 16902), (190, 17010), (274, 17160), (296, 17208), (356, 17292), (364, 17301), (394, 17343), (488, 17520), (526, 17589), (605, 17751), (626, 17784), (662, 17856), (663, 17859),

Gene: Gratitude_28 Start: 19643, Stop: 20659, Start Num: 71

Candidate Starts for Gratitude_28:

(Start: 71 @19643 has 224 MA's), (127, 19718), (143, 19736), (164, 19772), (183, 19811), (285, 19988), (306, 20018), (329, 20057), (332, 20060), (571, 20516), (585, 20540),

Gene: Gravaillia_21 Start: 16042, Stop: 17136, Start Num: 68

Candidate Starts for Gravaillia_21:

(Start: 68 @16042 has 28 MA's), (75, 16051), (142, 16147), (147, 16156), (153, 16165), (181, 16216), (183, 16222), (232, 16312), (234, 16318), (243, 16336), (284, 16405), (289, 16414), (296, 16435),

(299, 16441), (302, 16447), (305, 16450), (356, 16522), (359, 16525), (451, 16681), (484, 16750), (518, 16822), (529, 16840), (546, 16894), (564, 16924), (580, 16951), (583, 16954), (601, 16990), (605, 16996), (611, 17008), (640, 17050), (648, 17065), (650, 17068), (661, 17098),

Gene: GreedyLawyer_30 Start: 18966, Stop: 19979, Start Num: 71

Candidate Starts for GreedyLawyer_30:

(Start: 71 @18966 has 224 MA's), (Start: 108 @19020 has 38 MA's), (143, 19059), (196, 19164), (285, 19311), (306, 19341), (329, 19380), (332, 19383), (364, 19428), (403, 19488), (502, 19686), (571, 19836), (576, 19845),

Gene: Grizzly_17 Start: 15480, Stop: 16652, Start Num: 33

Candidate Starts for Grizzly_17:

(5, 15147), (Start: 33 @15480 has 231 MA's), (80, 15600), (Start: 93 @15618 has 57 MA's), (124, 15663), (127, 15669), (165, 15732), (183, 15768), (218, 15837), (220, 15840), (232, 15861), (270, 15915), (292, 15960), (311, 15990), (390, 16092), (399, 16104), (404, 16116), (496, 16299), (513, 16329), (526, 16347), (535, 16371), (585, 16473), (591, 16491), (648, 16581), (661, 16614),

Gene: GrootJr_42 Start: 29261, Stop: 30202, Start Num: 96

Candidate Starts for GrootJr_42:

(Start: 96 @29261 has 26 MA's), (152, 29348), (190, 29423), (Start: 226 @29489 has 1 MA's), (249, 29531), (282, 29588), (426, 29801), (447, 29828), (513, 29939), (580, 30071), (636, 30167),

Gene: Groundhog_22 Start: 17602, Stop: 18624, Start Num: 78

Candidate Starts for Groundhog_22:

(Start: 78 @17602 has 85 MA's), (159, 17725), (163, 17731), (196, 17803), (265, 17908), (279, 17935), (332, 18025), (410, 18145), (451, 18226), (462, 18256), (463, 18259), (564, 18469), (586, 18508), (611, 18556), (622, 18571),

Gene: Gruunaga_30 Start: 18950, Stop: 19966, Start Num: 71

Candidate Starts for Gruunaga_30:

(Start: 71 @18950 has 224 MA's), (86, 18968), (Start: 108 @19004 has 38 MA's), (143, 19043), (196, 19148), (306, 19325), (329, 19364), (332, 19367), (390, 19454), (403, 19475), (463, 19601), (502, 19673), (571, 19823), (576, 19832), (622, 19913),

Gene: Gsput1_19 Start: 14904, Stop: 15749, Start Num: 151

Candidate Starts for Gsput1_19:

(Start: 149 @14901 has 6 MA's), (Start: 151 @14904 has 5 MA's), (169, 14928), (183, 14958), (195, 14988), (197, 14991), (199, 14994), (223, 15036), (280, 15111), (284, 15117), (403, 15270), (429, 15321), (465, 15378), (493, 15423), (556, 15543), (557, 15546), (614, 15642), (642, 15681), (644, 15684), (663, 15720),

Gene: Guacamole_18 Start: 15791, Stop: 16657, Start Num: 85

Candidate Starts for Guacamole_18:

(Start: 85 @15791 has 15 MA's), (Start: 89 @15797 has 29 MA's), (186, 15953), (230, 16034), (306, 16133), (392, 16241), (447, 16325), (499, 16397), (578, 16526), (590, 16553), (603, 16568),

Gene: Guanica15_22 Start: 15243, Stop: 16379, Start Num: 33

Candidate Starts for Guanica15_22:

(Start: 33 @15243 has 231 MA's), (80, 15360), (142, 15450), (Start: 155 @15471 has 1 MA's), (181, 15519), (332, 15774), (392, 15855), (433, 15930), (445, 15945), (513, 16056), (535, 16098), (571, 16176), (580, 16191), (590, 16215), (648, 16308), (663, 16347), (668, 16365),

Gene: Guey18_57 Start: 28183, Stop: 29127, Start Num: 108

Candidate Starts for Guey18_57:

(Start: 108 @28183 has 38 MA's), (181, 28303), (234, 28399), (298, 28501), (340, 28567), (352, 28588), (357, 28594), (390, 28645), (404, 28669), (462, 28762), (488, 28801), (539, 28912), (540, 28918), (543, 28927), (545, 28933), (562, 28966), (567, 28975), (573, 28984), (583, 28999), (625, 29074), (633, 29086), (641, 29098), (652, 29119),

Gene: Guillsminger_20 Start: 16323, Stop: 17453, Start Num: 37

Candidate Starts for Guillsminger_20:

(Start: 37 @16323 has 23 MA's), (165, 16563), (167, 16566), (181, 16593), (232, 16692), (292, 16794), (332, 16848), (357, 16878), (381, 16914), (383, 16917), (390, 16926), (431, 17001), (433, 17004), (471, 17082), (496, 17100), (499, 17106), (513, 17130), (514, 17133), (516, 17139), (535, 17172), (648, 17382), (663, 17421), (668, 17439),

Gene: Gustav_17 Start: 14305, Stop: 15132, Start Num: 145

Candidate Starts for Gustav_17:

(Start: 145 @14305 has 14 MA's), (172, 14350), (183, 14374), (187, 14383), (221, 14437), (283, 14554), (315, 14605), (318, 14608), (351, 14653), (384, 14701), (392, 14713), (444, 14782), (453, 14797), (509, 14890), (538, 14938), (542, 14953), (544, 14959), (552, 14965), (557, 14974), (564, 14989), (576, 15010), (578, 15013), (597, 15046), (603, 15055),

Gene: Gustavo_33 Start: 28679, Stop: 29635, Start Num: 93

Candidate Starts for Gustavo_33:

(Start: 93 @28679 has 57 MA's), (181, 28820), (203, 28865), (210, 28877), (217, 28889), (228, 28904), (234, 28916), (253, 28943), (266, 28958), (280, 28985), (334, 29075), (360, 29111), (401, 29171), (431, 29207), (462, 29267), (513, 29357), (548, 29447), (561, 29471), (567, 29483), (602, 29549), (610, 29564), (629, 29588), (637, 29600),

Gene: GuuelaD_17 Start: 16108, Stop: 17022, Start Num: 70

Candidate Starts for GuuelaD_17:

(Start: 70 @16108 has 85 MA's), (90, 16132), (Start: 108 @16162 has 38 MA's), (328, 16513), (329, 16516), (332, 16519), (351, 16549), (416, 16606), (429, 16630), (438, 16636), (491, 16705), (502, 16723), (509, 16744), (538, 16810), (569, 16870), (571, 16873), (647, 17002), (654, 17014),

Gene: GuyFagieri_44 Start: 30280, Stop: 31170, Start Num: 125

Candidate Starts for GuyFagieri_44:

(Start: 61 @30193 has 1 MA's), (Start: 92 @30241 has 1 MA's), (Start: 125 @30280 has 2 MA's), (190, 30397), (209, 30436), (220, 30454), (249, 30505), (306, 30604), (363, 30679), (370, 30688), (496, 30892), (513, 30922), (535, 30958), (548, 30997), (580, 31039), (613, 31102), (621, 31114), (636, 31135),

Gene: HH92_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for HH92_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Hadrien_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Hadrien_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023),

(518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Hafay_17 Start: 16107, Stop: 17021, Start Num: 70

Candidate Starts for Hafay_17:

(Start: 70 @16107 has 85 MA's), (Start: 108 @16161 has 38 MA's), (189, 16287), (237, 16359), (328, 16512), (329, 16515), (332, 16518), (351, 16548), (416, 16605), (429, 16629), (438, 16635), (491, 16704), (502, 16722), (509, 16743), (533, 16797), (538, 16809), (571, 16872), (647, 17001), (654, 17013),

Gene: Hail_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Hail_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Halena_17 Start: 15866, Stop: 16747, Start Num: 70

Candidate Starts for Halena_17:

(45, 15812), (Start: 59 @15848 has 11 MA's), (Start: 70 @15866 has 85 MA's), (90, 15890), (Start: 108 @15920 has 38 MA's), (Start: 119 @15935 has 6 MA's), (Start: 145 @15968 has 14 MA's), (237, 16112), (329, 16268), (332, 16271), (336, 16277), (368, 16322), (389, 16349), (438, 16388), (459, 16421), (463, 16430), (491, 16457), (542, 16577), (571, 16625), (588, 16652), (620, 16691), (623, 16697), (647, 16736),

Gene: Halo_17 Start: 15472, Stop: 16644, Start Num: 33

Candidate Starts for Halo_17:

(5, 15139), (Start: 33 @15472 has 231 MA's), (80, 15592), (Start: 93 @15610 has 57 MA's), (124, 15655), (127, 15661), (165, 15724), (183, 15760), (218, 15829), (220, 15832), (232, 15853), (270, 15907), (292, 15952), (311, 15982), (390, 16084), (399, 16096), (404, 16108), (412, 16126), (496, 16291), (513, 16321), (526, 16339), (535, 16363), (591, 16483), (648, 16573), (661, 16606),

Gene: Halo3_31 Start: 25345, Stop: 26289, Start Num: 99

Candidate Starts for Halo3_31:

(Start: 99 @25345 has 32 MA's), (165, 25450), (201, 25519), (203, 25525), (217, 25549), (228, 25564), (462, 25924), (469, 25939), (485, 25957), (533, 26059), (548, 26101), (567, 26137), (623, 26233), (653, 26284),

Gene: Hammer_30 Start: 18965, Stop: 19981, Start Num: 71

Candidate Starts for Hammer_30:

(Start: 71 @18965 has 224 MA's), (86, 18983), (Start: 108 @19019 has 38 MA's), (143, 19058), (196, 19163), (306, 19340), (329, 19379), (332, 19382), (390, 19469), (403, 19490), (463, 19616), (502, 19688), (571, 19838), (576, 19847), (622, 19928),

Gene: Hammy_21 Start: 16436, Stop: 17572, Start Num: 33

Candidate Starts for Hammy_21:

(Start: 33 @16436 has 231 MA's), (80, 16553), (Start: 93 @16571 has 57 MA's), (Start: 116 @16604 has 15 MA's), (142, 16643), (181, 16712), (232, 16811), (234, 16817), (292, 16913), (332, 16967), (381, 17033), (390, 17045), (471, 17201), (499, 17225), (535, 17291), (537, 17294), (538, 17297), (580, 17384), (648, 17501), (663, 17540), (668, 17558),

Gene: Hamood_21 Start: 16827, Stop: 17888, Start Num: 76

Candidate Starts for Hamood_21:

(Start: 76 @16827 has 18 MA's), (Start: 111 @16872 has 15 MA's), (130, 16902), (190, 17010), (274, 17160), (296, 17208), (356, 17292), (364, 17301), (394, 17343), (488, 17520), (526, 17589), (605, 17751), (626, 17784), (662, 17856), (663, 17859),

Gene: HannahD_18 Start: 15721, Stop: 16650, Start Num: 111

Candidate Starts for HannahD_18:

(Start: 94 @15700 has 5 MA's), (Start: 111 @15721 has 15 MA's), (Start: 119 @15730 has 6 MA's), (147, 15772), (284, 16006), (307, 16051), (323, 16075), (330, 16081), (337, 16090), (342, 16096), (362, 16126), (386, 16156), (404, 16186), (406, 16192), (453, 16255), (462, 16279), (497, 16336), (537, 16423), (571, 16492), (633, 16597), (652, 16630),

Gene: Hanray_27 Start: 20531, Stop: 21544, Start Num: 71

Candidate Starts for Hanray_27:

(Start: 71 @20531 has 224 MA's), (86, 20549), (127, 20606), (143, 20624), (164, 20660), (265, 20840), (285, 20876), (306, 20906), (332, 20948), (432, 21107), (502, 21251), (529, 21314), (564, 21389), (571, 21401), (585, 21425),

Gene: Hans_34 Start: 28153, Stop: 29139, Start Num: 84

Candidate Starts for Hans_34:

(Start: 84 @28153 has 25 MA's), (165, 28276), (183, 28312), (214, 28372), (284, 28468), (365, 28579), (377, 28600), (437, 28702), (453, 28738), (565, 28954), (568, 28960), (577, 28975), (586, 28990), (605, 29026), (625, 29059), (627, 29062), (664, 29128),

Gene: Harlequin_22 Start: 15430, Stop: 16302, Start Num: 78

Candidate Starts for Harlequin_22:

(Start: 78 @15430 has 85 MA's), (101, 15469), (159, 15550), (163, 15556), (194, 15625), (249, 15703), (261, 15730), (332, 15841), (428, 15937), (529, 16066), (535, 16084), (564, 16141), (571, 16153), (649, 16291),

Gene: HarryHoudini_29 Start: 19660, Stop: 20676, Start Num: 71

Candidate Starts for HarryHoudini_29:

(Start: 71 @19660 has 224 MA's), (127, 19735), (143, 19753), (164, 19789), (183, 19828), (265, 19969), (306, 20035), (329, 20074), (332, 20077), (571, 20533), (585, 20557),

Gene: Hedwig_19 Start: 16010, Stop: 16957, Start Num: 111

Candidate Starts for Hedwig_19:

(Start: 111 @16010 has 15 MA's), (277, 16286), (284, 16298), (323, 16370), (330, 16376), (342, 16391), (386, 16451), (404, 16481), (406, 16487), (453, 16550), (462, 16574), (463, 16577), (487, 16616), (517, 16685), (537, 16727), (545, 16754), (571, 16796), (573, 16799), (580, 16811), (606, 16862), (625, 16886), (655, 16940),

Gene: HedwigODU_22 Start: 16020, Stop: 17156, Start Num: 33

Candidate Starts for HedwigODU_22:

(Start: 33 @16020 has 231 MA's), (80, 16137), (142, 16227), (Start: 155 @16248 has 1 MA's), (167, 16269), (181, 16296), (332, 16551), (392, 16632), (433, 16707), (445, 16722), (513, 16833), (535, 16875), (580, 16968), (590, 16992), (648, 17085), (663, 17124), (668, 17142),

Gene: Heffalump_29 Start: 21031, Stop: 22041, Start Num: 71

Candidate Starts for Heffalump_29:

(Start: 71 @21031 has 224 MA's), (127, 21106), (143, 21124), (164, 21160), (183, 21199), (306, 21406), (329, 21445), (332, 21448), (529, 21811), (564, 21886), (571, 21898), (622, 21988),

Gene: Heftyboy_20 Start: 16471, Stop: 17601, Start Num: 37

Candidate Starts for Heftyboy_20:

(Start: 37 @16471 has 23 MA's), (124, 16645), (165, 16711), (167, 16714), (181, 16741), (232, 16840), (292, 16942), (332, 16996), (357, 17026), (381, 17062), (383, 17065), (390, 17074), (431, 17149), (433, 17152), (453, 17188), (471, 17230), (496, 17248), (499, 17254), (513, 17278), (514, 17281), (516, 17287), (535, 17320), (648, 17530), (663, 17569), (668, 17587),

Gene: Heinz_18 Start: 14187, Stop: 15035, Start Num: 145

Candidate Starts for Heinz_18:

(9, 13731), (42, 14007), (123, 14148), (Start: 145 @14187 has 14 MA's), (183, 14256), (196, 14286), (206, 14307), (233, 14340), (258, 14385), (324, 14499), (348, 14532), (351, 14538), (382, 14583), (392, 14598), (464, 14721), (468, 14730), (503, 14769), (517, 14802), (544, 14859), (571, 14901), (576, 14910), (603, 14961), (607, 14967), (631, 15006),

Gene: Helmet_30 Start: 18964, Stop: 19980, Start Num: 71

Candidate Starts for Helmet_30:

(Start: 71 @18964 has 224 MA's), (Start: 108 @19018 has 38 MA's), (143, 19057), (196, 19162), (285, 19309), (306, 19339), (329, 19378), (332, 19381), (390, 19468), (403, 19489), (463, 19615), (502, 19687), (571, 19837), (576, 19846), (622, 19927),

Gene: Herbertwm_24 Start: 17773, Stop: 18798, Start Num: 71

Candidate Starts for Herbertwm_24:

(Start: 71 @17773 has 224 MA's), (86, 17791), (127, 17848), (143, 17866), (164, 17902), (183, 17941), (265, 18082), (306, 18148), (332, 18190), (392, 18280), (426, 18343), (470, 18439), (564, 18643), (571, 18655), (585, 18679), (622, 18745), (627, 18754),

Gene: Hexamo_30 Start: 18932, Stop: 19948, Start Num: 71

Candidate Starts for Hexamo_30:

(Start: 71 @18932 has 224 MA's), (86, 18950), (Start: 108 @18986 has 38 MA's), (143, 19025), (196, 19130), (306, 19307), (329, 19346), (332, 19349), (390, 19436), (403, 19457), (463, 19583), (502, 19655), (571, 19805), (576, 19814), (622, 19895),

Gene: Hexbug_19 Start: 14820, Stop: 15779, Start Num: 114

Candidate Starts for Hexbug_19:

(65, 14745), (Start: 114 @14820 has 61 MA's), (128, 14841), (147, 14871), (190, 14949), (277, 15090), (327, 15186), (342, 15207), (375, 15249), (404, 15297), (425, 15312), (450, 15366), (462, 15399), (546, 15582), (548, 15585), (562, 15612), (567, 15621), (571, 15627), (583, 15645), (596, 15678), (602, 15687), (606, 15693), (652, 15765), (654, 15771),

Gene: Hibiscus_17 Start: 14141, Stop: 14983, Start Num: 145

Candidate Starts for Hibiscus_17:

(123, 14102), (Start: 145 @14141 has 14 MA's), (183, 14210), (196, 14240), (206, 14261), (233, 14294), (257, 14336), (258, 14339), (392, 14546), (468, 14678), (517, 14750), (544, 14807), (571, 14849), (576, 14858), (603, 14909), (607, 14915), (631, 14954),

Gene: Hilltopfarm_23 Start: 18643, Stop: 19641, Start Num: 57

Candidate Starts for Hilltopfarm_23:

(Start: 57 @18643 has 5 MA's), (Start: 106 @18709 has 1 MA's), (165, 18799), (169, 18805), (191, 18853), (216, 18901), (232, 18928), (256, 18955), (257, 18958), (273, 18979), (301, 19030), (343, 19081), (349, 19090), (369, 19117), (412, 19192), (427, 19216), (499, 19306), (514, 19330), (515, 19333), (535, 19369), (557, 19423), (562, 19432), (586, 19474), (587, 19477), (640, 19558), (645, 19567), (663, 19612),

Gene: HippoHollow_28 Start: 20959, Stop: 21969, Start Num: 71

Candidate Starts for HippoHollow_28:

(Start: 71 @20959 has 224 MA's), (Start: 108 @21013 has 38 MA's), (127, 21034), (143, 21052), (183, 21127), (306, 21334), (332, 21376), (418, 21511), (463, 21604), (480, 21637), (529, 21739), (564, 21814), (571, 21826), (622, 21916),

Gene: HippoPololi_19 Start: 15627, Stop: 16592, Start Num: 114

Candidate Starts for HippoPololi_19:

(Start: 114 @15627 has 61 MA's), (144, 15672), (177, 15729), (190, 15756), (217, 15810), (272, 15891), (277, 15900), (278, 15903), (305, 15960), (342, 16020), (352, 16038), (404, 16110), (414, 16125), (451, 16176), (452, 16179), (506, 16293), (517, 16320), (546, 16389), (548, 16392), (562, 16419), (567, 16428), (583, 16452), (596, 16485), (608, 16503), (635, 16548), (652, 16578),

Gene: Hiro_22 Start: 15736, Stop: 16608, Start Num: 78

Candidate Starts for Hiro_22:

(Start: 78 @15736 has 85 MA's), (101, 15775), (163, 15862), (194, 15931), (249, 16009), (261, 16036), (332, 16147), (428, 16243), (529, 16372), (535, 16390), (571, 16459), (649, 16597),

Gene: Hitter_18 Start: 15793, Stop: 16653, Start Num: 89

Candidate Starts for Hitter_18:

(Start: 85 @15787 has 15 MA's), (Start: 89 @15793 has 29 MA's), (186, 15949), (230, 16030), (306, 16129), (392, 16237), (447, 16321), (496, 16387), (529, 16432), (578, 16522), (603, 16564),

Gene: Horex_27 Start: 20531, Stop: 21544, Start Num: 71

Candidate Starts for Horex_27:

(Start: 71 @20531 has 224 MA's), (86, 20549), (127, 20606), (143, 20624), (164, 20660), (265, 20840), (285, 20876), (306, 20906), (332, 20948), (432, 21107), (502, 21251), (529, 21314), (564, 21389), (571, 21401), (585, 21425),

Gene: Holliday_19 Start: 15504, Stop: 16424, Start Num: 119

Candidate Starts for Holliday_19:

(Start: 116 @15501 has 15 MA's), (Start: 119 @15504 has 6 MA's), (128, 15516), (140, 15534), (169, 15579), (190, 15618), (210, 15657), (232, 15690), (234, 15696), (277, 15765), (305, 15819), (307, 15822), (309, 15825), (317, 15837), (333, 15855), (337, 15861), (342, 15867), (352, 15885), (394, 15939), (401, 15951), (404, 15957), (422, 15978), (453, 16026), (459, 16044), (462, 16050), (469, 16065), (471, 16068), (545, 16221), (546, 16224), (550, 16230), (571, 16263), (583, 16281), (596, 16314), (631, 16365), (641, 16380), (658, 16416),

Gene: HomeFry_46 Start: 28359, Stop: 29288, Start Num: 96

Candidate Starts for HomeFry_46:

(Start: 96 @28359 has 26 MA's), (152, 28440), (190, 28515), (216, 28566), (306, 28722), (401, 28857), (426, 28896), (580, 29151), (636, 29253),

Gene: Homura_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Homura_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Hoot_30 Start: 18945, Stop: 19958, Start Num: 71

Candidate Starts for Hoot_30:

(Start: 71 @18945 has 224 MA's), (Start: 108 @18999 has 38 MA's), (143, 19038), (196, 19143), (285, 19290), (306, 19320), (329, 19359), (332, 19362), (364, 19407), (403, 19467), (502, 19665), (571,

19815), (576, 19824),

Gene: Hope_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Hope_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Horseradish_18 Start: 14308, Stop: 15279, Start Num: 114

Candidate Starts for Horseradish_18:

(Start: 114 @14308 has 61 MA's), (144, 14353), (156, 14374), (165, 14389), (190, 14437), (201, 14461), (217, 14491), (272, 14569), (277, 14578), (278, 14581), (311, 14647), (342, 14695), (375, 14737), (404, 14785), (437, 14836), (462, 14896), (469, 14911), (471, 14914), (486, 14938), (517, 15010), (528, 15028), (545, 15079), (546, 15082), (562, 15112), (567, 15121), (576, 15136), (596, 15178), (606, 15193), (639, 15241), (652, 15265), (654, 15271),

Gene: HortumSL17_28 Start: 20527, Stop: 21540, Start Num: 71

Candidate Starts for HortumSL17_28:

(Start: 71 @20527 has 224 MA's), (86, 20545), (127, 20602), (143, 20620), (164, 20656), (265, 20836), (285, 20872), (306, 20902), (332, 20944), (432, 21103), (502, 21247), (529, 21310), (564, 21385), (571, 21397), (585, 21421),

Gene: Horus_19 Start: 15514, Stop: 16437, Start Num: 116

Candidate Starts for Horus_19:

(Start: 116 @15514 has 15 MA's), (Start: 119 @15517 has 6 MA's), (128, 15529), (140, 15547), (169, 15592), (190, 15631), (210, 15670), (232, 15703), (234, 15709), (277, 15778), (305, 15832), (307, 15835), (309, 15838), (317, 15850), (337, 15874), (342, 15880), (352, 15898), (394, 15952), (401, 15964), (404, 15970), (422, 15991), (452, 16036), (453, 16039), (459, 16057), (462, 16063), (469, 16078), (471, 16081), (545, 16234), (546, 16237), (550, 16243), (571, 16276), (583, 16294), (596, 16327), (631, 16378), (641, 16393), (658, 16429),

Gene: Hotshotbaby7_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Hotshotbaby7_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: HubbaBubba_38 Start: 25653, Stop: 26573, Start Num: 100

Candidate Starts for HubbaBubba_38:

(Start: 100 @25653 has 8 MA's), (152, 25734), (178, 25779), (209, 25848), (306, 26016), (370, 26100), (401, 26151), (472, 26274), (543, 26382), (550, 26400), (580, 26442), (589, 26463), (632, 26532), (636, 26538), (648, 26559),

Gene: Huffy_23 Start: 15864, Stop: 16697, Start Num: 149

Candidate Starts for Huffy_23:

(Start: 149 @15864 has 6 MA's), (Start: 151 @15867 has 5 MA's), (169, 15882), (187, 15921), (195, 15942), (197, 15945), (292, 16089), (429, 16275), (489, 16362), (536, 16446), (579, 16527), (630, 16611), (634, 16617), (642, 16629), (644, 16632), (660, 16656),

Gene: HuhtaEnerson15_23 Start: 18648, Stop: 19661, Start Num: 78

Candidate Starts for HuhtaEnerson15_23:

(Start: 78 @18648 has 85 MA's), (143, 18744), (163, 18777), (164, 18780), (183, 18819), (265, 18954), (297, 19014), (306, 19020), (313, 19038), (332, 19062), (361, 19104), (519, 19416), (571, 19518), (622, 19608),

Gene: Huphlepuuff_51 Start: 26243, Stop: 27205, Start Num: 70

Candidate Starts for Huphlepuuff_51:

(Start: 70 @26243 has 85 MA's), (159, 26375), (174, 26399), (180, 26408), (182, 26414), (185, 26423), (196, 26447), (201, 26456), (206, 26468), (211, 26480), (279, 26594), (321, 26675), (332, 26690), (336, 26696), (429, 26804), (514, 26930), (516, 26936), (552, 27011), (593, 27086), (596, 27092), (605, 27104), (607, 27107), (657, 27194), (658, 27197), (659, 27200),

Gene: Hurricane_21 Start: 16451, Stop: 17587, Start Num: 33

Candidate Starts for Hurricane_21:

(Start: 33 @16451 has 231 MA's), (80, 16574), (124, 16637), (127, 16643), (147, 16673), (167, 16706), (220, 16811), (232, 16832), (273, 16895), (292, 16934), (311, 16964), (381, 17051), (404, 17087), (496, 17234), (513, 17264), (516, 17273), (535, 17306), (537, 17309), (538, 17312), (580, 17399), (630, 17486), (661, 17549), (663, 17555),

Gene: Hutc2_27 Start: 19733, Stop: 20755, Start Num: 71

Candidate Starts for Hutc2_27:

(Start: 71 @19733 has 224 MA's), (Start: 108 @19790 has 38 MA's), (159, 19865), (234, 19994), (265, 20054), (297, 20114), (306, 20120), (332, 20162), (364, 20207), (368, 20213), (418, 20297), (439, 20330), (571, 20612), (576, 20621), (585, 20636), (622, 20702),

Gene: Hyperbowlee_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Hyperbowlee_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: IDyn_41 Start: 27049, Stop: 27969, Start Num: 100

Candidate Starts for IDyn_41:

(Start: 100 @27049 has 8 MA's), (152, 27130), (178, 27175), (209, 27244), (306, 27412), (370, 27496), (401, 27547), (426, 27580), (472, 27670), (543, 27778), (580, 27838), (632, 27928), (636, 27934), (648, 27955),

Gene: IPHane7_27 Start: 21457, Stop: 22368, Start Num: 66

Candidate Starts for IPHane7_27:

(Start: 66 @21457 has 21 MA's), (135, 21559), (150, 21577), (159, 21592), (196, 21664), (201, 21673), (257, 21751), (328, 21886), (329, 21889), (332, 21892), (380, 21961), (429, 22003), (438, 22009), (523, 22150), (533, 22171), (538, 22183), (616, 22306), (623, 22318),

Gene: Ibrahim_18 Start: 16018, Stop: 16983, Start Num: 63

Candidate Starts for Ibrahim_18:

(Start: 63 @16018 has 7 MA's), (Start: 84 @16045 has 25 MA's), (Start: 93 @16063 has 57 MA's), (203, 16240), (204, 16243), (249, 16318), (285, 16384), (294, 16411), (329, 16468), (336, 16477), (515, 16714), (527, 16738), (576, 16837), (586, 16858), (594, 16879), (618, 16918), (623, 16927),

Gene: IdentityCrisis_16 Start: 12920, Stop: 14107, Start Num: 22

Candidate Starts for IdentityCrisis_16:

(Start: 22 @12920 has 1 MA's), (Start: 29 @12968 has 1 MA's), (31, 12971), (43, 13034), (51, 13055), (Start: 93 @13130 has 57 MA's), (141, 13205), (198, 13313), (203, 13325), (205, 13328), (220, 13352), (232, 13373), (264, 13418), (304, 13499), (314, 13520), (322, 13529), (339, 13544), (344, 13550),

(376, 13595), (377, 13598), (393, 13622), (395, 13625), (453, 13721), (517, 13853), (540, 13889), (541, 13892), (546, 13907), (586, 13979), (602, 14012), (606, 14018), (609, 14024), (610, 14027), (652, 14096),

Gene: Illumine_22 Start: 16034, Stop: 17170, Start Num: 33

Candidate Starts for Illumine_22:

(Start: 33 @16034 has 231 MA's), (80, 16151), (Start: 155 @16262 has 1 MA's), (167, 16283), (181, 16310), (233, 16412), (332, 16565), (392, 16646), (420, 16700), (433, 16721), (445, 16736), (513, 16847), (535, 16889), (580, 16982), (590, 17006), (648, 17099), (663, 17138), (668, 17156),

Gene: Indra_30 Start: 18965, Stop: 19981, Start Num: 71

Candidate Starts for Indra_30:

(Start: 71 @18965 has 224 MA's), (Start: 108 @19019 has 38 MA's), (143, 19058), (196, 19163), (285, 19310), (306, 19340), (329, 19379), (332, 19382), (390, 19469), (403, 19490), (463, 19616), (502, 19688), (571, 19838), (576, 19847), (622, 19928),

Gene: Inky_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Inky_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Insomnia_27 Start: 19788, Stop: 20810, Start Num: 71

Candidate Starts for Insomnia_27:

(Start: 71 @19788 has 224 MA's), (Start: 108 @19845 has 38 MA's), (159, 19920), (234, 20049), (265, 20109), (297, 20169), (306, 20175), (332, 20217), (364, 20262), (368, 20268), (418, 20352), (439, 20385), (571, 20667), (576, 20676), (585, 20691), (622, 20757),

Gene: Inspectinfecti_33 Start: 28515, Stop: 29501, Start Num: 84

Candidate Starts for Inspectinfecti_33:

(Start: 84 @28515 has 25 MA's), (165, 28638), (183, 28674), (214, 28734), (284, 28830), (365, 28941), (377, 28962), (437, 29064), (453, 29100), (565, 29316), (568, 29322), (577, 29337), (586, 29352), (605, 29388), (625, 29421), (627, 29424), (664, 29490),

Gene: InvictusManeo_20 Start: 16423, Stop: 17553, Start Num: 37

Candidate Starts for InvictusManeo_20:

(Start: 37 @16423 has 23 MA's), (124, 16597), (165, 16663), (167, 16666), (181, 16693), (232, 16792), (292, 16894), (332, 16948), (357, 16978), (381, 17014), (383, 17017), (390, 17026), (431, 17101), (433, 17104), (453, 17140), (471, 17182), (496, 17200), (499, 17206), (513, 17230), (514, 17233), (535, 17272), (648, 17482), (663, 17521), (668, 17539),

Gene: IronMan_29 Start: 20734, Stop: 21750, Start Num: 71

Candidate Starts for IronMan_29:

(Start: 71 @20734 has 224 MA's), (127, 20809), (143, 20827), (183, 20902), (265, 21043), (281, 21073), (306, 21109), (332, 21151), (392, 21241), (418, 21292), (480, 21418), (519, 21505), (571, 21607), (585, 21631),

Gene: Isiphiwo_30 Start: 18957, Stop: 19970, Start Num: 71

Candidate Starts for Isiphiwo_30:

(Start: 71 @18957 has 224 MA's), (Start: 108 @19011 has 38 MA's), (143, 19050), (196, 19155), (285, 19302), (306, 19332), (329, 19371), (332, 19374), (364, 19419), (403, 19479), (502, 19677), (571, 19827), (576, 19836),

Gene: Itos_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for Itos_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Iwokeuplikedis_28 Start: 18928, Stop: 19938, Start Num: 71

Candidate Starts for Iwokeuplikedis_28:

(Start: 71 @18928 has 224 MA's), (127, 19003), (143, 19021), (183, 19096), (306, 19303), (332, 19345), (364, 19390), (418, 19480), (463, 19573), (529, 19708), (564, 19783), (571, 19795),

Gene: Izel_28 Start: 21456, Stop: 22367, Start Num: 66

Candidate Starts for Izel_28:

(Start: 66 @21456 has 21 MA's), (135, 21558), (150, 21576), (159, 21591), (196, 21663), (201, 21672), (257, 21750), (328, 21885), (329, 21888), (332, 21891), (380, 21960), (429, 22002), (438, 22008), (523, 22149), (533, 22170), (538, 22182), (616, 22305), (623, 22317),

Gene: JAWS_22 Start: 16005, Stop: 17141, Start Num: 33

Candidate Starts for JAWS_22:

(Start: 33 @16005 has 231 MA's), (80, 16122), (142, 16212), (Start: 155 @16233 has 1 MA's), (167, 16254), (181, 16281), (332, 16536), (392, 16617), (433, 16692), (445, 16707), (513, 16818), (535, 16860), (580, 16953), (590, 16977), (648, 17070), (663, 17109), (668, 17127),

Gene: JF1_23 Start: 17489, Stop: 18622, Start Num: 33

Candidate Starts for JF1_23:

(Start: 33 @17489 has 231 MA's), (38, 17507), (Start: 59 @17579 has 11 MA's), (80, 17609), (142, 17699), (167, 17741), (180, 17765), (233, 17870), (386, 18092), (390, 18098), (469, 18248), (471, 18251), (496, 18269), (513, 18299), (535, 18341), (537, 18344), (557, 18395), (640, 18536), (648, 18551), (663, 18590), (668, 18608),

Gene: JKSyngboy_31 Start: 29254, Stop: 30210, Start Num: 93

Candidate Starts for JKSyngboy_31:

(Start: 93 @29254 has 57 MA's), (190, 29410), (203, 29440), (210, 29452), (217, 29464), (228, 29479), (234, 29491), (266, 29533), (331, 29647), (334, 29650), (360, 29686), (401, 29746), (414, 29770), (431, 29782), (462, 29842), (513, 29932), (548, 30022), (561, 30046), (567, 30058), (602, 30124), (610, 30139), (629, 30163), (637, 30175),

Gene: JSwag_29 Start: 18105, Stop: 19082, Start Num: 74

Candidate Starts for JSwag_29:

(Start: 74 @18105 has 22 MA's), (159, 18219), (163, 18225), (164, 18228), (292, 18462), (460, 18729), (498, 18783), (571, 18939),

Gene: Jaan_30 Start: 21123, Stop: 22139, Start Num: 71

Candidate Starts for Jaan_30:

(Start: 71 @21123 has 224 MA's), (127, 21198), (143, 21216), (183, 21291), (265, 21432), (281, 21462), (306, 21498), (332, 21540), (392, 21630), (410, 21666), (418, 21681), (480, 21807), (519, 21894), (571, 21996), (585, 22020),

Gene: Jabbawokkie_20 Start: 13336, Stop: 14265, Start Num: 108

Candidate Starts for Jabbawokkie_20:

(Start: 108 @13336 has 38 MA's), (147, 13396), (177, 13447), (232, 13546), (234, 13552), (241, 13567), (317, 13687), (333, 13705), (381, 13771), (390, 13783), (421, 13828), (451, 13867), (453,

13873), (462, 13897), (463, 13900), (464, 13903), (469, 13912), (471, 13915), (510, 13981), (517, 14002), (518, 14005), (537, 14041), (545, 14068), (546, 14071), (571, 14110), (583, 14128), (585, 14134), (602, 14170), (606, 14176), (622, 14200), (627, 14206), (631, 14212),

Gene: Jabberwocky_32 Start: 30402, Stop: 31358, Start Num: 93

Candidate Starts for Jabberwocky_32:

(Start: 93 @30402 has 57 MA's), (203, 30588), (210, 30600), (228, 30627), (238, 30648), (280, 30708), (331, 30795), (334, 30798), (360, 30834), (384, 30867), (394, 30882), (401, 30894), (425, 30924), (431, 30930), (462, 30990), (513, 31080), (548, 31170), (561, 31194), (567, 31206), (602, 31272), (637, 31323),

Gene: Jabiru_23 Start: 18016, Stop: 19029, Start Num: 78

Candidate Starts for Jabiru_23:

(Start: 78 @18016 has 85 MA's), (143, 18112), (163, 18145), (164, 18148), (183, 18187), (265, 18322), (281, 18352), (297, 18382), (306, 18388), (313, 18406), (332, 18430), (361, 18472), (455, 18643), (571, 18886), (622, 18976),

Gene: Jabith_27 Start: 19788, Stop: 20810, Start Num: 71

Candidate Starts for Jabith_27:

(Start: 71 @19788 has 224 MA's), (Start: 108 @19845 has 38 MA's), (159, 19920), (234, 20049), (265, 20109), (297, 20169), (306, 20175), (332, 20217), (364, 20262), (368, 20268), (418, 20352), (439, 20385), (571, 20667), (576, 20676), (585, 20691), (622, 20757),

Gene: Jablanski_19 Start: 16772, Stop: 17680, Start Num: 108

Candidate Starts for Jablanski_19:

(Start: 108 @16772 has 38 MA's), (144, 16829), (221, 16964), (232, 16979), (233, 16982), (269, 17033), (352, 17141), (388, 17189), (404, 17213), (415, 17231), (422, 17237), (449, 17273), (517, 17429), (538, 17456), (541, 17468), (546, 17483), (571, 17528), (583, 17546), (586, 17555), (604, 17591), (606, 17594), (627, 17630), (631, 17636), (635, 17642),

Gene: JacoRen57_16 Start: 14312, Stop: 15445, Start Num: 36

Candidate Starts for JacoRen57_16:

(Start: 36 @14312 has 4 MA's), (44, 14360), (Start: 106 @14465 has 1 MA's), (123, 14489), (124, 14492), (180, 14582), (182, 14588), (239, 14702), (247, 14711), (369, 14891), (390, 14924), (396, 14933), (476, 15062), (486, 15074), (490, 15083), (513, 15128), (516, 15137), (537, 15170), (543, 15191), (545, 15200), (580, 15260), (601, 15299), (605, 15305), (619, 15329), (661, 15410),

Gene: Jalammah_20 Start: 16587, Stop: 17447, Start Num: 87

Candidate Starts for Jalammah_20:

(Start: 87 @16587 has 24 MA's), (186, 16743), (230, 16824), (280, 16881), (286, 16890), (306, 16923), (392, 17031), (447, 17115), (496, 17181), (499, 17187), (578, 17316), (603, 17358),

Gene: Jambalaya_30 Start: 24699, Stop: 25643, Start Num: 99

Candidate Starts for Jambalaya_30:

(Start: 99 @24699 has 32 MA's), (165, 24804), (201, 24873), (203, 24879), (217, 24903), (228, 24918), (462, 25278), (469, 25293), (485, 25311), (533, 25413), (548, 25455), (567, 25491), (623, 25587), (653, 25638),

Gene: Jamzy_20 Start: 14144, Stop: 15103, Start Num: 114

Candidate Starts for Jamzy_20:

(Start: 114 @14144 has 61 MA's), (146, 14192), (147, 14195), (190, 14273), (274, 14408), (277, 14414), (311, 14483), (312, 14486), (327, 14510), (342, 14531), (373, 14570), (404, 14621), (462, 14723), (506, 14810), (546, 14906), (562, 14936), (567, 14945), (583, 14969), (596, 15002), (602,

15011), (606, 15017), (641, 15068), (652, 15089), (654, 15095),

Gene: Jane_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Jane_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Jarvi_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Jarvi_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: JasperJr_18 Start: 15797, Stop: 16657, Start Num: 89

Candidate Starts for JasperJr_18:

(Start: 85 @15791 has 15 MA's), (Start: 89 @15797 has 29 MA's), (186, 15953), (230, 16034), (306, 16133), (392, 16241), (447, 16325), (499, 16397), (578, 16526), (590, 16553), (603, 16568),

Gene: Jayhawk_22 Start: 16018, Stop: 17154, Start Num: 33

Candidate Starts for Jayhawk_22:

(Start: 33 @16018 has 231 MA's), (80, 16135), (142, 16225), (Start: 155 @16246 has 1 MA's), (167, 16267), (181, 16294), (332, 16549), (392, 16630), (433, 16705), (445, 16720), (513, 16831), (535, 16873), (580, 16966), (590, 16990), (648, 17083), (663, 17122), (668, 17140),

Gene: Jeckyll_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Jeckyll_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Jeeves_26 Start: 18193, Stop: 19215, Start Num: 71

Candidate Starts for Jeeves_26:

(Start: 71 @18193 has 224 MA's), (86, 18211), (Start: 108 @18247 has 38 MA's), (127, 18268), (143, 18286), (203, 18406), (285, 18538), (306, 18568), (329, 18607), (332, 18610), (364, 18655), (470, 18856), (474, 18862), (502, 18922), (571, 19072), (585, 19096),

Gene: Jeffabunny_30 Start: 18984, Stop: 20000, Start Num: 71

Candidate Starts for Jeffabunny_30:

(Start: 71 @18984 has 224 MA's), (86, 19002), (Start: 108 @19038 has 38 MA's), (143, 19077), (196, 19182), (306, 19359), (329, 19398), (332, 19401), (390, 19488), (403, 19509), (463, 19635), (502, 19707), (571, 19857), (576, 19866), (622, 19947),

Gene: Jeilious_17 Start: 15476, Stop: 16648, Start Num: 33

Candidate Starts for Jeilious_17:

(5, 15143), (Start: 33 @15476 has 231 MA's), (80, 15596), (Start: 93 @15614 has 57 MA's), (124, 15659), (127, 15665), (165, 15728), (183, 15764), (218, 15833), (220, 15836), (232, 15857), (270, 15911), (292, 15956), (311, 15986), (390, 16088), (399, 16100), (404, 16112), (412, 16130), (496, 16295), (513, 16325), (526, 16343), (535, 16367), (591, 16487), (648, 16577), (661, 16610),

Gene: Jerm_29 Start: 19620, Stop: 20636, Start Num: 71

Candidate Starts for Jerm_29:

(Start: 71 @19620 has 224 MA's), (127, 19695), (143, 19713), (164, 19749), (183, 19788), (306, 19995), (329, 20034), (332, 20037), (390, 20124), (480, 20304), (529, 20406), (564, 20481), (571, 20493),

Gene: Jester_22 Start: 15424, Stop: 16296, Start Num: 78

Candidate Starts for Jester_22:

(Start: 78 @15424 has 85 MA's), (101, 15463), (163, 15550), (194, 15619), (249, 15697), (261, 15724), (332, 15835), (428, 15931), (529, 16060), (535, 16078), (571, 16147), (649, 16285),

Gene: JewelBug_30 Start: 18971, Stop: 19984, Start Num: 71

Candidate Starts for JewelBug_30:

(Start: 71 @18971 has 224 MA's), (Start: 108 @19025 has 38 MA's), (143, 19064), (196, 19169), (285, 19316), (306, 19346), (329, 19385), (332, 19388), (364, 19433), (403, 19493), (502, 19691), (571, 19841), (576, 19850),

Gene: Jiawan_27 Start: 20563, Stop: 21576, Start Num: 71

Candidate Starts for Jiawan_27:

(Start: 71 @20563 has 224 MA's), (86, 20581), (127, 20638), (143, 20656), (164, 20692), (265, 20872), (285, 20908), (306, 20938), (332, 20980), (432, 21139), (502, 21283), (529, 21346), (564, 21421), (571, 21433), (585, 21457),

Gene: Jifall16_39 Start: 29533, Stop: 30474, Start Num: 96

Candidate Starts for Jifall16_39:

(Start: 96 @29533 has 26 MA's), (152, 29620), (190, 29695), (Start: 226 @29761 has 1 MA's), (249, 29803), (282, 29860), (426, 30073), (447, 30100), (513, 30211), (580, 30343), (636, 30439),

Gene: Jobypre_18 Start: 16490, Stop: 17380, Start Num: 70

Candidate Starts for Jobypre_18:

(Start: 70 @16490 has 85 MA's), (90, 16514), (Start: 119 @16559 has 6 MA's), (127, 16574), (Start: 145 @16595 has 14 MA's), (196, 16691), (285, 16826), (290, 16835), (329, 16895), (332, 16898), (336, 16904), (389, 16976), (429, 17009), (442, 17021), (491, 17084), (515, 17138), (525, 17159), (544, 17210), (571, 17252), (647, 17363), (649, 17366),

Gene: JoeDirt_17 Start: 15839, Stop: 16738, Start Num: 59

Candidate Starts for JoeDirt_17:

(45, 15803), (47, 15806), (Start: 59 @15839 has 11 MA's), (Start: 70 @15857 has 85 MA's), (90, 15881), (Start: 108 @15911 has 38 MA's), (Start: 119 @15926 has 6 MA's), (Start: 145 @15959 has 14 MA's), (237, 16103), (281, 16184), (329, 16259), (332, 16262), (336, 16268), (368, 16313), (389, 16340), (429, 16373), (438, 16379), (459, 16412), (463, 16421), (491, 16448), (542, 16568), (571, 16616), (588, 16643), (620, 16682), (623, 16688), (647, 16727),

Gene: JoieB_50 Start: 26435, Stop: 27397, Start Num: 70

Candidate Starts for JoieB_50:

(Start: 70 @26435 has 85 MA's), (159, 26567), (174, 26591), (180, 26600), (182, 26606), (185, 26615), (196, 26639), (201, 26648), (206, 26660), (279, 26786), (321, 26867), (332, 26882), (336, 26888), (429, 26996), (514, 27122), (516, 27128), (593, 27278), (596, 27284), (605, 27296), (607, 27299), (657, 27386), (658, 27389), (659, 27392),

Gene: Jojo24_17 Start: 14138, Stop: 14980, Start Num: 145

Candidate Starts for Jojo24_17:

(123, 14099), (Start: 145 @14138 has 14 MA's), (183, 14207), (196, 14237), (206, 14258), (233, 14291), (257, 14333), (258, 14336), (392, 14543), (468, 14675), (544, 14804), (571, 14846), (603, 14906), (607, 14912), (631, 14951),

Gene: Jolene_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Jolene_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Jolie2_17 Start: 14787, Stop: 15974, Start Num: 33

Candidate Starts for Jolie2_17:

(1, 13731), (5, 14433), (Start: 33 @14787 has 231 MA's), (Start: 59 @14886 has 11 MA's), (Start: 93 @14934 has 57 MA's), (124, 14979), (127, 14985), (142, 15009), (183, 15084), (218, 15153), (220, 15156), (233, 15180), (267, 15231), (270, 15237), (292, 15282), (399, 15426), (417, 15465), (429, 15486), (481, 15591), (538, 15699), (585, 15795), (648, 15903), (661, 15936), (663, 15942),

Gene: JonJames_46 Start: 32084, Stop: 32980, Start Num: 83

Candidate Starts for JonJames_46:

(Start: 83 @32084 has 2 MA's), (142, 32171), (180, 32237), (186, 32252), (189, 32258), (303, 32429), (349, 32486), (390, 32540), (405, 32564), (462, 32663), (471, 32681), (513, 32729), (529, 32747), (538, 32771), (632, 32939),

Gene: Jonghyun_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Jonghyun_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: JorRay_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for JorRay_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Jordennis_30 Start: 18956, Stop: 19969, Start Num: 71

Candidate Starts for Jordennis_30:

(Start: 71 @18956 has 224 MA's), (Start: 108 @19010 has 38 MA's), (143, 19049), (196, 19154), (285, 19301), (306, 19331), (329, 19370), (332, 19373), (364, 19418), (403, 19478), (502, 19676), (571, 19826), (576, 19835),

Gene: Joselito_27 Start: 19736, Stop: 20758, Start Num: 71

Candidate Starts for Joselito_27:

(Start: 71 @19736 has 224 MA's), (Start: 108 @19793 has 38 MA's), (159, 19868), (234, 19997), (265, 20057), (297, 20117), (306, 20123), (332, 20165), (364, 20210), (368, 20216), (418, 20300), (439, 20333), (571, 20615), (576, 20624), (585, 20639), (622, 20705),

Gene: JoshKayV_29 Start: 19590, Stop: 20606, Start Num: 71

Candidate Starts for JoshKayV_29:

(Start: 71 @19590 has 224 MA's), (127, 19665), (143, 19683), (164, 19719), (183, 19758), (306, 19965), (329, 20004), (332, 20007), (390, 20094), (480, 20274), (529, 20376), (564, 20451), (571, 20463),

Gene: Journey13_25 Start: 18317, Stop: 19327, Start Num: 71

Candidate Starts for Journey13_25:

(Start: 71 @18317 has 224 MA's), (127, 18392), (143, 18410), (164, 18446), (183, 18485), (285, 18662), (306, 18692), (332, 18734), (364, 18779), (418, 18869), (463, 18962), (529, 19097), (571, 19184),

Gene: Jovo_23 Start: 18755, Stop: 19768, Start Num: 78

Candidate Starts for Jovo_23:

(Start: 78 @18755 has 85 MA's), (143, 18851), (163, 18884), (164, 18887), (183, 18926), (204, 18974), (306, 19127), (313, 19145), (332, 19169), (361, 19211), (519, 19523), (571, 19625), (586, 19652),

Gene: Joy99_22 Start: 15980, Stop: 17116, Start Num: 33

Candidate Starts for Joy99_22:

(Start: 33 @15980 has 231 MA's), (80, 16097), (142, 16187), (Start: 155 @16208 has 1 MA's), (167, 16229), (181, 16256), (332, 16511), (392, 16592), (433, 16667), (445, 16682), (513, 16793), (535, 16835), (580, 16928), (590, 16952), (648, 17045), (663, 17084), (668, 17102),

Gene: Jsquared_26 Start: 18082, Stop: 19092, Start Num: 71

Candidate Starts for Jsquared_26:

(Start: 71 @18082 has 224 MA's), (Start: 108 @18136 has 38 MA's), (127, 18157), (143, 18175), (183, 18250), (306, 18457), (329, 18496), (332, 18499), (364, 18544), (463, 18727), (529, 18862), (571, 18949),

Gene: JuJu_18 Start: 15718, Stop: 16578, Start Num: 87

Candidate Starts for JuJu_18:

(Start: 87 @15718 has 24 MA's), (Start: 105 @15733 has 1 MA's), (186, 15874), (230, 15955), (392, 16162), (447, 16246), (496, 16312), (529, 16357), (578, 16447), (590, 16474), (603, 16489),

Gene: Jubie_18 Start: 16491, Stop: 17381, Start Num: 70

Candidate Starts for Jubie_18:

(Start: 70 @16491 has 85 MA's), (90, 16515), (Start: 119 @16560 has 6 MA's), (127, 16575), (Start: 145 @16596 has 14 MA's), (196, 16692), (285, 16827), (290, 16836), (329, 16896), (332, 16899), (336, 16905), (389, 16977), (429, 17010), (442, 17022), (491, 17085), (515, 17139), (525, 17160), (544, 17211), (571, 17253), (647, 17364), (649, 17367),

Gene: Juliette_23 Start: 17390, Stop: 18523, Start Num: 33

Candidate Starts for Juliette_23:

(Start: 33 @17390 has 231 MA's), (Start: 59 @17480 has 11 MA's), (80, 17510), (142, 17600), (167, 17642), (169, 17645), (176, 17657), (386, 17993), (390, 17999), (431, 18074), (471, 18152), (494, 18167), (513, 18200), (535, 18242), (537, 18245), (583, 18338), (648, 18452), (663, 18491), (668, 18509),

Gene: JustASigh_17 Start: 15253, Stop: 16359, Start Num: 59

Candidate Starts for JustASigh_17:

(Start: 59 @15253 has 11 MA's), (Start: 68 @15268 has 28 MA's), (Start: 92 @15298 has 1 MA's), (95, 15301), (Start: 155 @15397 has 1 MA's), (180, 15442), (181, 15445), (183, 15451), (190, 15466), (236, 15550), (299, 15670), (345, 15727), (354, 15742), (397, 15805), (444, 15886), (451, 15904), (518, 16045), (586, 16186), (587, 16189), (601, 16213), (626, 16252), (640, 16273), (650, 16291),

Gene: Kabluna_43 Start: 28640, Stop: 29557, Start Num: 97

Candidate Starts for Kabluna_43:

(Start: 97 @28640 has 6 MA's), (152, 28721), (173, 28757), (249, 28904), (401, 29138), (422, 29165), (513, 29309), (580, 29426), (636, 29522), (640, 29528), (648, 29543),

Gene: Kahlid_17 Start: 16079, Stop: 16993, Start Num: 70

Candidate Starts for Kahlid_17:

(Start: 70 @16079 has 85 MA's), (90, 16103), (Start: 108 @16133 has 38 MA's), (189, 16259), (237, 16331), (328, 16484), (329, 16487), (332, 16490), (351, 16520), (416, 16577), (429, 16601), (438, 16607), (491, 16676), (502, 16694), (509, 16715), (533, 16769), (538, 16781), (571, 16844), (647, 16973), (654, 16985),

Gene: Kalpine_30 Start: 20976, Stop: 21989, Start Num: 71

Candidate Starts for Kalpine_30:

(Start: 71 @20976 has 224 MA's), (86, 20994), (127, 21051), (143, 21069), (164, 21105), (183, 21144), (306, 21351), (329, 21390), (332, 21393), (364, 21438), (403, 21498), (426, 21543), (463, 21624), (480, 21657), (571, 21846), (576, 21855), (585, 21870),

Gene: Kamaru_19 Start: 15501, Stop: 16424, Start Num: 116

Candidate Starts for Kamaru_19:

(Start: 116 @15501 has 15 MA's), (Start: 119 @15504 has 6 MA's), (128, 15516), (140, 15534), (169, 15579), (190, 15618), (210, 15657), (232, 15690), (234, 15696), (277, 15765), (305, 15819), (307, 15822), (309, 15825), (317, 15837), (333, 15855), (337, 15861), (342, 15867), (352, 15885), (394, 15939), (401, 15951), (404, 15957), (422, 15978), (453, 16026), (459, 16044), (462, 16050), (469, 16065), (471, 16068), (545, 16221), (546, 16224), (550, 16230), (571, 16263), (583, 16281), (596, 16314), (631, 16365), (641, 16380), (658, 16416),

Gene: Kamashten_33 Start: 29854, Stop: 30810, Start Num: 93

Candidate Starts for Kamashten_33:

(Start: 93 @29854 has 57 MA's), (203, 30040), (210, 30052), (228, 30079), (238, 30100), (280, 30160), (331, 30247), (334, 30250), (360, 30286), (384, 30319), (394, 30334), (401, 30346), (425, 30376), (431, 30382), (462, 30442), (513, 30532), (548, 30622), (561, 30646), (567, 30658), (602, 30724), (610, 30739), (629, 30763), (637, 30775),

Gene: KappaFarmDelta_18 Start: 15961, Stop: 16821, Start Num: 89

Candidate Starts for KappaFarmDelta_18:

(Start: 85 @15955 has 15 MA's), (Start: 89 @15961 has 29 MA's), (139, 16027), (186, 16117), (230, 16198), (392, 16405), (447, 16489), (496, 16555), (499, 16561), (578, 16690), (590, 16717), (603, 16732),

Gene: Kareem_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Kareem_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Kasen3_17 Start: 15478, Stop: 16650, Start Num: 33

Candidate Starts for Kasen3_17:

(5, 15145), (Start: 33 @15478 has 231 MA's), (80, 15598), (Start: 93 @15616 has 57 MA's), (124, 15661), (127, 15667), (165, 15730), (183, 15766), (218, 15835), (220, 15838), (232, 15859), (270, 15913), (292, 15958), (311, 15988), (390, 16090), (399, 16102), (404, 16114), (412, 16132), (496, 16297), (513, 16327), (526, 16345), (535, 16369), (591, 16489), (648, 16579), (661, 16612),

Gene: KatherineG_29 Start: 18241, Stop: 19218, Start Num: 74

Candidate Starts for KatherineG_29:

(Start: 74 @18241 has 22 MA's), (159, 18355), (163, 18361), (164, 18364), (292, 18598), (460, 18865), (498, 18919), (571, 19075),

Gene: KayGee_17 Start: 14465, Stop: 15421, Start Num: 114

Candidate Starts for KayGee_17:

(Start: 114 @14465 has 61 MA's), (144, 14510), (177, 14567), (190, 14594), (217, 14648), (234, 14675), (272, 14726), (274, 14729), (277, 14735), (278, 14738), (305, 14792), (312, 14807), (340, 14849), (342, 14852), (357, 14876), (373, 14891), (404, 14942), (462, 15038), (546, 15224), (562, 15254), (567, 15263), (583, 15287), (596, 15320), (652, 15407), (654, 15413),

Gene: Kazan_30 Start: 18972, Stop: 19985, Start Num: 71

Candidate Starts for Kazan_30:

(Start: 71 @18972 has 224 MA's), (Start: 108 @19026 has 38 MA's), (143, 19065), (196, 19170), (285, 19317), (306, 19347), (329, 19386), (332, 19389), (364, 19434), (403, 19494), (502, 19692), (571, 19842), (576, 19851),

Gene: Keelan_50 Start: 26977, Stop: 27921, Start Num: 108

Candidate Starts for Keelan_50:

(Start: 108 @26977 has 38 MA's), (181, 27097), (232, 27187), (274, 27247), (305, 27307), (323, 27334), (340, 27361), (352, 27382), (357, 27388), (381, 27427), (390, 27439), (462, 27556), (463, 27559), (488, 27595), (539, 27706), (543, 27721), (562, 27760), (567, 27769), (573, 27778), (583, 27793), (625, 27868), (652, 27913),

Gene: Keitabear_34 Start: 31219, Stop: 32175, Start Num: 93

Candidate Starts for Keitabear_34:

(Start: 93 @31219 has 57 MA's), (203, 31405), (210, 31417), (228, 31444), (334, 31615), (360, 31651), (384, 31684), (394, 31699), (401, 31711), (425, 31741), (431, 31747), (462, 31807), (513, 31897), (548, 31987), (561, 32011), (567, 32023), (602, 32089), (610, 32104), (637, 32140),

Gene: Kenna_18 Start: 15508, Stop: 16431, Start Num: 116

Candidate Starts for Kenna_18:

(Start: 116 @15508 has 15 MA's), (Start: 119 @15511 has 6 MA's), (128, 15523), (140, 15541), (169, 15586), (190, 15625), (210, 15664), (232, 15697), (234, 15703), (277, 15772), (305, 15826), (307, 15829), (309, 15832), (317, 15844), (333, 15862), (337, 15868), (342, 15874), (352, 15892), (394, 15946), (401, 15958), (404, 15964), (422, 15985), (453, 16033), (459, 16051), (462, 16057), (469, 16072), (471, 16075), (545, 16228), (546, 16231), (550, 16237), (571, 16270), (583, 16288), (596, 16321), (631, 16372), (641, 16387), (658, 16423),

Gene: Kerberos_30 Start: 19042, Stop: 20052, Start Num: 71

Candidate Starts for Kerberos_30:

(Start: 71 @19042 has 224 MA's), (127, 19117), (143, 19135), (240, 19306), (281, 19381), (306, 19417), (329, 19456), (332, 19459), (364, 19504), (529, 19822), (564, 19897), (571, 19909), (585, 19933), (622, 19999),

Gene: Keshu_21 Start: 16443, Stop: 17579, Start Num: 33

Candidate Starts for Keshu_21:

(Start: 33 @16443 has 231 MA's), (80, 16566), (124, 16629), (127, 16635), (147, 16665), (167, 16698), (220, 16803), (232, 16824), (234, 16830), (273, 16887), (292, 16926), (311, 16956), (332, 16980), (381, 17043), (404, 17079), (496, 17226), (513, 17256), (516, 17265), (535, 17298), (537, 17301), (538, 17304), (580, 17391), (630, 17478), (661, 17541), (663, 17547),

Gene: Kewpiedoll_33 Start: 29261, Stop: 30217, Start Num: 93

Candidate Starts for Kewpiedoll_33:

(Start: 93 @29261 has 57 MA's), (203, 29447), (210, 29459), (228, 29486), (238, 29507), (280, 29567), (334, 29657), (360, 29693), (384, 29726), (394, 29741), (401, 29753), (425, 29783), (431, 29789), (462, 29849), (513, 29939), (548, 30029), (561, 30053), (567, 30065), (602, 30131), (610, 30146), (629, 30170), (637, 30182),

Gene: Keziacharles14_26 Start: 18620, Stop: 19642, Start Num: 71

Candidate Starts for Keziacharles14_26:

(Start: 71 @18620 has 224 MA's), (Start: 108 @18674 has 38 MA's), (143, 18713), (234, 18869), (265, 18929), (285, 18965), (306, 18995), (325, 19028), (332, 19037), (364, 19082), (426, 19187), (470, 19283), (564, 19487), (571, 19499), (576, 19508), (585, 19523), (622, 19589),

Gene: KiSi_21 Start: 15189, Stop: 16325, Start Num: 33

Candidate Starts for KiSi_21:

(Start: 33 @15189 has 231 MA's), (80, 15306), (Start: 93 @15324 has 57 MA's), (Start: 155 @15417 has 1 MA's), (181, 15465), (292, 15666), (332, 15720), (369, 15765), (381, 15786), (412, 15840), (431, 15873), (445, 15891), (471, 15954), (535, 16044), (537, 16047), (557, 16098), (580, 16137), (648, 16254), (663, 16293), (668, 16311),

Gene: KidneyBean_40 Start: 29657, Stop: 30598, Start Num: 96

Candidate Starts for KidneyBean_40:

(Start: 96 @29657 has 26 MA's), (152, 29744), (190, 29819), (Start: 226 @29885 has 1 MA's), (249, 29927), (282, 29984), (426, 30197), (447, 30224), (513, 30335), (580, 30467), (636, 30563),

Gene: Kiko_19 Start: 15761, Stop: 16708, Start Num: 111

Candidate Starts for Kiko_19:

(Start: 111 @15761 has 15 MA's), (Start: 125 @15779 has 2 MA's), (225, 15956), (277, 16037), (284, 16049), (307, 16094), (323, 16121), (330, 16127), (342, 16142), (386, 16202), (404, 16232), (406, 16238), (453, 16301), (517, 16436), (537, 16478), (545, 16505), (571, 16547), (573, 16550), (580, 16562), (598, 16601), (606, 16613), (625, 16637), (654, 16688),

Gene: Kimba_27 Start: 19788, Stop: 20810, Start Num: 71

Candidate Starts for Kimba_27:

(Start: 71 @19788 has 224 MA's), (Start: 108 @19845 has 38 MA's), (159, 19920), (234, 20049), (265, 20109), (297, 20169), (306, 20175), (332, 20217), (364, 20262), (368, 20268), (418, 20352), (439, 20385), (571, 20667), (576, 20676), (585, 20691), (622, 20757),

Gene: Kimchi1738_30 Start: 26704, Stop: 27570, Start Num: 85

Candidate Starts for Kimchi1738_30:

(Start: 85 @26704 has 15 MA's), (102, 26728), (131, 26773), (165, 26833), (235, 26968), (332, 27130), (358, 27163), (422, 27238), (443, 27262), (529, 27337), (554, 27403), (580, 27439), (591, 27466), (628, 27523),

Gene: KimmyK_32 Start: 25634, Stop: 26578, Start Num: 99

Candidate Starts for KimmyK_32:

(Start: 99 @25634 has 32 MA's), (165, 25739), (201, 25808), (203, 25814), (217, 25838), (228, 25853), (462, 26213), (469, 26228), (485, 26246), (533, 26348), (548, 26390), (567, 26426), (623, 26522), (653, 26573),

Gene: Kinbote_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Kinbote_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023),

(518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: KingCyrus_29 Start: 19587, Stop: 20603, Start Num: 71

Candidate Starts for KingCyrus_29:

(Start: 71 @19587 has 224 MA's), (127, 19662), (143, 19680), (164, 19716), (183, 19755), (306, 19962), (329, 20001), (332, 20004), (390, 20091), (480, 20271), (529, 20373), (564, 20448), (571, 20460),

Gene: Kingsolomon_18 Start: 16490, Stop: 17380, Start Num: 70

Candidate Starts for Kingsolomon_18:

(Start: 70 @16490 has 85 MA's), (90, 16514), (Start: 119 @16559 has 6 MA's), (127, 16574), (Start: 145 @16595 has 14 MA's), (196, 16691), (285, 16826), (290, 16835), (329, 16895), (332, 16898), (336, 16904), (389, 16976), (429, 17009), (442, 17021), (491, 17084), (515, 17138), (525, 17159), (544, 17210), (571, 17252), (647, 17363), (649, 17366),

Gene: Kinmap_27 Start: 18591, Stop: 19607, Start Num: 71

Candidate Starts for Kinmap_27:

(Start: 71 @18591 has 224 MA's), (127, 18666), (143, 18684), (164, 18720), (306, 18966), (332, 19008), (390, 19095), (403, 19116), (429, 19167), (455, 19221), (564, 19452), (585, 19488),

Gene: Kipper29_30 Start: 18966, Stop: 19979, Start Num: 71

Candidate Starts for Kipper29_30:

(Start: 71 @18966 has 224 MA's), (Start: 108 @19020 has 38 MA's), (143, 19059), (196, 19164), (285, 19311), (306, 19341), (329, 19380), (332, 19383), (364, 19428), (403, 19488), (502, 19686), (571, 19836), (576, 19845),

Gene: KirDoubleO7_16 Start: 16499, Stop: 17389, Start Num: 70

Candidate Starts for KirDoubleO7_16:

(Start: 70 @16499 has 85 MA's), (90, 16523), (Start: 119 @16568 has 6 MA's), (127, 16583), (Start: 145 @16604 has 14 MA's), (196, 16700), (201, 16709), (285, 16835), (290, 16844), (329, 16904), (332, 16907), (336, 16913), (389, 16985), (429, 17018), (442, 17030), (491, 17093), (525, 17168), (544, 17219), (571, 17261), (647, 17372), (649, 17375),

Gene: KleverKiS_27 Start: 21440, Stop: 22351, Start Num: 66

Candidate Starts for KleverKiS_27:

(Start: 66 @21440 has 21 MA's), (135, 21542), (150, 21560), (159, 21575), (196, 21647), (257, 21734), (328, 21869), (329, 21872), (332, 21875), (380, 21944), (429, 21986), (438, 21992), (523, 22133), (533, 22154), (538, 22166), (616, 22289), (623, 22301),

Gene: Klodlith_27 Start: 18680, Stop: 19702, Start Num: 71

Candidate Starts for Klodlith_27:

(Start: 71 @18680 has 224 MA's), (86, 18698), (Start: 108 @18734 has 38 MA's), (143, 18773), (265, 18989), (285, 19025), (306, 19055), (332, 19097), (364, 19142), (426, 19247), (459, 19319), (470, 19343), (474, 19349), (564, 19547), (571, 19559), (576, 19568), (585, 19583), (622, 19649),

Gene: Koduck_27 Start: 18322, Stop: 19332, Start Num: 71

Candidate Starts for Koduck_27:

(Start: 71 @18322 has 224 MA's), (Start: 108 @18376 has 38 MA's), (127, 18397), (143, 18415), (183, 18490), (306, 18697), (329, 18736), (332, 18739), (463, 18967), (529, 19102), (564, 19177), (571, 19189),

Gene: Koko_30 Start: 19301, Stop: 20317, Start Num: 71

Candidate Starts for Koko_30:

(Start: 71 @19301 has 224 MA's), (86, 19319), (Start: 108 @19355 has 38 MA's), (143, 19394), (164, 19430), (196, 19499), (306, 19676), (329, 19715), (332, 19718), (390, 19805), (403, 19826), (463, 19952), (502, 20024), (571, 20174), (576, 20183), (622, 20264),

Gene: Kratio_19 Start: 16054, Stop: 17184, Start Num: 37

Candidate Starts for Kratio_19:

(Start: 37 @16054 has 23 MA's), (124, 16228), (165, 16294), (167, 16297), (181, 16324), (232, 16423), (292, 16525), (332, 16579), (357, 16609), (381, 16645), (383, 16648), (390, 16657), (431, 16732), (433, 16735), (453, 16771), (471, 16813), (496, 16831), (499, 16837), (513, 16861), (514, 16864), (535, 16903), (586, 17008), (648, 17113), (663, 17152), (668, 17170),

Gene: Kraw_23 Start: 17413, Stop: 18546, Start Num: 33

Candidate Starts for Kraw_23:

(Start: 33 @17413 has 231 MA's), (38, 17431), (Start: 59 @17503 has 11 MA's), (80, 17533), (142, 17623), (167, 17665), (180, 17689), (233, 17794), (386, 18016), (390, 18022), (469, 18172), (471, 18175), (496, 18193), (513, 18223), (535, 18265), (537, 18268), (557, 18319), (640, 18460), (648, 18475), (663, 18514), (668, 18532),

Gene: Krishelle_22 Start: 15751, Stop: 16623, Start Num: 78

Candidate Starts for Krishelle_22:

(Start: 78 @15751 has 85 MA's), (101, 15790), (163, 15877), (194, 15946), (249, 16024), (261, 16051), (332, 16162), (428, 16258), (529, 16387), (535, 16405), (571, 16474), (649, 16612),

Gene: Kroos_34 Start: 29432, Stop: 30388, Start Num: 93

Candidate Starts for Kroos_34:

(Start: 93 @29432 has 57 MA's), (190, 29588), (203, 29618), (210, 29630), (217, 29642), (228, 29657), (234, 29669), (334, 29828), (360, 29864), (401, 29924), (431, 29960), (462, 30020), (513, 30110), (548, 30200), (561, 30224), (567, 30236), (602, 30302), (610, 30317), (629, 30341), (637, 30353),

Gene: Kropertea_17 Start: 15715, Stop: 16602, Start Num: 70

Candidate Starts for Kropertea_17:

(Start: 70 @15715 has 85 MA's), (90, 15739), (Start: 106 @15766 has 1 MA's), (Start: 108 @15769 has 38 MA's), (Start: 119 @15784 has 6 MA's), (Start: 145 @15817 has 14 MA's), (196, 15913), (285, 16048), (290, 16057), (329, 16117), (332, 16120), (389, 16198), (418, 16213), (438, 16237), (491, 16306), (504, 16330), (515, 16360), (542, 16426), (571, 16474), (588, 16501), (647, 16585),

Gene: Krueger_21 Start: 15170, Stop: 16309, Start Num: 33

Candidate Starts for Krueger_21:

(Start: 33 @15170 has 231 MA's), (80, 15290), (142, 15380), (181, 15449), (292, 15650), (392, 15785), (394, 15788), (445, 15875), (469, 15935), (496, 15956), (513, 15986), (535, 16028), (537, 16031), (538, 16034), (580, 16121), (590, 16145), (640, 16223), (648, 16238), (663, 16277), (668, 16295),

Gene: Krypton555_18 Start: 16428, Stop: 17318, Start Num: 70

Candidate Starts for Krypton555_18:

(Start: 70 @16428 has 85 MA's), (90, 16452), (Start: 119 @16497 has 6 MA's), (127, 16512), (Start: 145 @16533 has 14 MA's), (196, 16629), (285, 16764), (290, 16773), (329, 16833), (332, 16836), (336, 16842), (389, 16914), (429, 16947), (442, 16959), (491, 17022), (515, 17076), (525, 17097), (544, 17148), (571, 17190), (647, 17301), (649, 17304),

Gene: Kudfre_26 Start: 20872, Stop: 21783, Start Num: 68

Candidate Starts for Kudfre_26:

(Start: 68 @20872 has 28 MA's), (80, 20887), (261, 21178), (263, 21181), (313, 21280), (328, 21298), (332, 21304), (348, 21328), (429, 21415), (438, 21421), (462, 21469), (513, 21547), (514, 21550), (537, 21601), (564, 21655), (588, 21697), (618, 21733), (620, 21736), (629, 21751),

Gene: Kumao_27 Start: 20552, Stop: 21469, Start Num: 61

Candidate Starts for Kumao_27:

(Start: 61 @20552 has 1 MA's), (Start: 93 @20600 has 57 MA's), (127, 20651), (159, 20693), (168, 20708), (183, 20735), (196, 20765), (285, 20906), (328, 20987), (329, 20990), (332, 20993), (336, 20999), (429, 21104), (438, 21110), (533, 21272), (544, 21305), (562, 21332), (590, 21380), (623, 21419), (646, 21455),

Gene: Kurt_40 Start: 29894, Stop: 30835, Start Num: 96

Candidate Starts for Kurt_40:

(Start: 96 @29894 has 26 MA's), (152, 29981), (190, 30056), (Start: 226 @30122 has 1 MA's), (249, 30164), (282, 30221), (426, 30434), (447, 30461), (513, 30572), (580, 30704), (636, 30800),

Gene: Kuwabara_18 Start: 15067, Stop: 15990, Start Num: 108

Candidate Starts for Kuwabara_18:

(Start: 106 @15064 has 1 MA's), (Start: 108 @15067 has 38 MA's), (144, 15124), (202, 15226), (208, 15238), (225, 15262), (232, 15271), (233, 15274), (234, 15277), (278, 15340), (305, 15373), (337, 15409), (378, 15469), (388, 15481), (404, 15505), (422, 15529), (425, 15532), (426, 15535), (517, 15721), (537, 15763), (538, 15766), (540, 15775), (541, 15778), (545, 15790), (546, 15793), (554, 15805), (559, 15817), (571, 15838), (576, 15847), (583, 15856), (604, 15901), (606, 15904), (609, 15910), (631, 15946), (635, 15952),

Gene: Kwekel_31 Start: 26508, Stop: 27485, Start Num: 84

Candidate Starts for Kwekel_31:

(Start: 84 @26508 has 25 MA's), (Start: 96 @26520 has 26 MA's), (110, 26541), (115, 26547), (138, 26586), (144, 26595), (165, 26631), (176, 26649), (180, 26658), (214, 26727), (284, 26823), (305, 26856), (418, 27024), (437, 27057), (453, 27093), (494, 27168), (545, 27273), (549, 27279), (568, 27309), (586, 27336), (605, 27372), (625, 27405), (664, 27474),

Gene: Kwobi_35 Start: 29418, Stop: 30374, Start Num: 93

Candidate Starts for Kwobi_35:

(Start: 93 @29418 has 57 MA's), (190, 29574), (203, 29604), (210, 29616), (217, 29628), (228, 29643), (234, 29655), (334, 29814), (360, 29850), (401, 29910), (431, 29946), (462, 30006), (513, 30096), (548, 30186), (561, 30210), (567, 30222), (602, 30288), (610, 30303), (629, 30327), (637, 30339),

Gene: L5_27 Start: 18333, Stop: 19343, Start Num: 71

Candidate Starts for L5_27:

(Start: 71 @18333 has 224 MA's), (Start: 108 @18387 has 38 MA's), (127, 18408), (143, 18426), (183, 18501), (306, 18708), (329, 18747), (332, 18750), (463, 18978), (529, 19113), (564, 19188), (571, 19200),

Gene: LadyBird_27 Start: 19164, Stop: 20174, Start Num: 71

Candidate Starts for LadyBird_27:

(Start: 71 @19164 has 224 MA's), (Start: 108 @19218 has 38 MA's), (143, 19257), (183, 19332), (265, 19473), (306, 19539), (329, 19578), (332, 19581), (463, 19809), (529, 19944), (537, 19965), (564, 20019), (571, 20031), (622, 20121),

Gene: Landor_28 Start: 20775, Stop: 21791, Start Num: 71

Candidate Starts for Landor_28:

(Start: 71 @20775 has 224 MA's), (127, 20850), (143, 20868), (183, 20943), (265, 21084), (281, 21114), (306, 21150), (332, 21192), (392, 21282), (410, 21318), (418, 21333), (480, 21459), (519, 21546), (571, 21648), (585, 21672),

Gene: Larenn_28 Start: 19455, Stop: 20471, Start Num: 71

Candidate Starts for Larenn_28:

(Start: 71 @19455 has 224 MA's), (127, 19530), (143, 19548), (164, 19584), (183, 19623), (265, 19764), (306, 19830), (329, 19869), (332, 19872), (463, 20106), (537, 20262), (571, 20328), (585, 20352),

Gene: Larva_20 Start: 16169, Stop: 17299, Start Num: 37

Candidate Starts for Larva_20:

(Start: 37 @16169 has 23 MA's), (124, 16343), (165, 16409), (181, 16439), (232, 16538), (292, 16640), (332, 16694), (357, 16724), (381, 16760), (383, 16763), (390, 16772), (431, 16847), (433, 16850), (453, 16886), (471, 16928), (496, 16946), (499, 16952), (513, 16976), (514, 16979), (535, 17018), (585, 17120), (648, 17228), (663, 17267), (668, 17285),

Gene: LastHope_22 Start: 15314, Stop: 16450, Start Num: 33

Candidate Starts for LastHope_22:

(Start: 33 @15314 has 231 MA's), (80, 15431), (Start: 155 @15542 has 1 MA's), (181, 15590), (233, 15692), (332, 15845), (392, 15926), (445, 16016), (513, 16127), (535, 16169), (580, 16262), (590, 16286), (648, 16379), (663, 16418), (668, 16436),

Gene: LastResort_29 Start: 18122, Stop: 19099, Start Num: 74

Candidate Starts for LastResort_29:

(Start: 74 @18122 has 22 MA's), (159, 18236), (163, 18242), (164, 18245), (292, 18479), (460, 18746), (498, 18800), (571, 18956),

Gene: LaterM_22 Start: 15979, Stop: 17115, Start Num: 33

Candidate Starts for LaterM_22:

(Start: 33 @15979 has 231 MA's), (80, 16096), (Start: 155 @16207 has 1 MA's), (167, 16228), (181, 16255), (233, 16357), (332, 16510), (392, 16591), (445, 16681), (513, 16792), (535, 16834), (580, 16927), (590, 16951), (648, 17044), (663, 17083), (668, 17101),

Gene: Lauer_16 Start: 14514, Stop: 15470, Start Num: 114

Candidate Starts for Lauer_16:

(Start: 114 @14514 has 61 MA's), (144, 14559), (177, 14616), (190, 14643), (217, 14697), (234, 14724), (272, 14775), (274, 14778), (277, 14784), (278, 14787), (305, 14841), (312, 14856), (342, 14901), (357, 14925), (373, 14940), (404, 14991), (462, 15087), (546, 15273), (562, 15303), (567, 15312), (596, 15369), (631, 15420), (652, 15456), (654, 15462),

Gene: Lavahound_20 Start: 16119, Stop: 17255, Start Num: 33

Candidate Starts for Lavahound_20:

(Start: 33 @16119 has 231 MA's), (80, 16236), (Start: 116 @16287 has 15 MA's), (181, 16395), (233, 16497), (234, 16500), (292, 16596), (332, 16650), (381, 16716), (390, 16728), (535, 16974), (537, 16977), (590, 17091), (648, 17184), (663, 17223), (668, 17241),

Gene: LeBron_17 Start: 15873, Stop: 16772, Start Num: 59

Candidate Starts for LeBron_17:

(Start: 59 @15873 has 11 MA's), (Start: 70 @15891 has 85 MA's), (90, 15915), (Start: 108 @15945 has 38 MA's), (Start: 119 @15960 has 6 MA's), (Start: 145 @15993 has 14 MA's), (237, 16137), (281, 16218), (329, 16293), (332, 16296), (336, 16302), (368, 16347), (389, 16374), (429, 16407), (438, 16413), (459, 16446), (463, 16455), (491, 16482), (542, 16602), (571, 16650), (620, 16716), (623,

16722), (647, 16761),

Gene: LeMond_21 Start: 15260, Stop: 16396, Start Num: 33

Candidate Starts for LeMond_21:

(Start: 33 @15260 has 231 MA's), (80, 15377), (Start: 93 @15395 has 57 MA's), (124, 15440), (Start: 155 @15488 has 1 MA's), (181, 15536), (292, 15737), (332, 15791), (369, 15836), (381, 15857), (412, 15911), (431, 15944), (445, 15962), (471, 16025), (535, 16115), (537, 16118), (557, 16169), (580, 16208), (648, 16325), (663, 16364), (668, 16382),

Gene: Lea83_21 Start: 16440, Stop: 17576, Start Num: 33

Candidate Starts for Lea83_21:

(Start: 33 @16440 has 231 MA's), (80, 16563), (124, 16626), (127, 16632), (147, 16662), (220, 16800), (232, 16821), (234, 16827), (273, 16884), (292, 16923), (311, 16953), (381, 17040), (404, 17076), (496, 17223), (513, 17253), (516, 17262), (535, 17295), (537, 17298), (538, 17301), (580, 17388), (630, 17475), (661, 17538), (663, 17544),

Gene: Lebo14_23 Start: 17506, Stop: 18639, Start Num: 33

Candidate Starts for Lebo14_23:

(Start: 33 @17506 has 231 MA's), (38, 17524), (Start: 59 @17596 has 11 MA's), (80, 17626), (142, 17716), (167, 17758), (180, 17782), (233, 17887), (332, 18040), (386, 18109), (390, 18115), (471, 18268), (496, 18286), (513, 18316), (535, 18358), (537, 18361), (640, 18553), (648, 18568), (663, 18607), (668, 18625),

Gene: Lemuria_17 Start: 14821, Stop: 16008, Start Num: 33

Candidate Starts for Lemuria_17:

(Start: 33 @14821 has 231 MA's), (Start: 93 @14968 has 57 MA's), (124, 15013), (127, 15019), (180, 15109), (218, 15187), (220, 15190), (232, 15211), (233, 15214), (267, 15265), (270, 15271), (292, 15316), (399, 15460), (412, 15490), (431, 15523), (481, 15625), (499, 15661), (513, 15685), (538, 15733), (585, 15829), (636, 15916), (648, 15937), (661, 15970), (663, 15976),

Gene: Lennon_34 Start: 31006, Stop: 31962, Start Num: 93

Candidate Starts for Lennon_34:

(Start: 93 @31006 has 57 MA's), (203, 31192), (210, 31204), (228, 31231), (238, 31252), (280, 31312), (331, 31399), (334, 31402), (360, 31438), (384, 31471), (394, 31486), (401, 31498), (425, 31528), (431, 31534), (462, 31594), (513, 31684), (548, 31774), (561, 31798), (567, 31810), (602, 31876), (637, 31927), (653, 31957),

Gene: Leogania_29 Start: 21323, Stop: 22333, Start Num: 71

Candidate Starts for Leogania_29:

(Start: 71 @21323 has 224 MA's), (127, 21398), (143, 21416), (164, 21452), (183, 21491), (285, 21668), (306, 21698), (329, 21737), (332, 21740), (463, 21968), (529, 22103), (564, 22178), (571, 22190), (622, 22280),

Gene: Leonard_32 Start: 28151, Stop: 29137, Start Num: 84

Candidate Starts for Leonard_32:

(Start: 84 @28151 has 25 MA's), (165, 28274), (183, 28310), (214, 28370), (284, 28466), (365, 28577), (377, 28598), (437, 28700), (448, 28721), (453, 28736), (486, 28793), (513, 28844), (565, 28952), (568, 28958), (577, 28973), (587, 28991), (605, 29024), (625, 29057), (627, 29060), (664, 29126),

Gene: Leroy_19 Start: 15515, Stop: 16438, Start Num: 116

Candidate Starts for Leroy_19:

(Start: 116 @15515 has 15 MA's), (Start: 119 @15518 has 6 MA's), (128, 15530), (140, 15548), (169, 15593), (190, 15632), (210, 15671), (232, 15704), (234, 15710), (277, 15779), (307, 15836), (309,

15839), (317, 15851), (337, 15875), (342, 15881), (352, 15899), (394, 15953), (401, 15965), (404, 15971), (422, 15992), (453, 16040), (459, 16058), (462, 16064), (469, 16079), (471, 16082), (545, 16235), (546, 16238), (550, 16244), (571, 16277), (583, 16295), (596, 16328), (631, 16379), (641, 16394), (658, 16430),

Gene: Leston_20 Start: 16453, Stop: 17583, Start Num: 37

Candidate Starts for Leston_20:

(Start: 37 @16453 has 23 MA's), (165, 16693), (167, 16696), (181, 16723), (232, 16822), (292, 16924), (332, 16978), (357, 17008), (381, 17044), (383, 17047), (390, 17056), (431, 17131), (433, 17134), (471, 17212), (496, 17230), (499, 17236), (513, 17260), (514, 17263), (516, 17269), (535, 17302), (648, 17512), (663, 17551), (668, 17569),

Gene: Lev2_23 Start: 18467, Stop: 19480, Start Num: 78

Candidate Starts for Lev2_23:

(Start: 78 @18467 has 85 MA's), (143, 18563), (163, 18596), (164, 18599), (183, 18638), (204, 18686), (306, 18839), (313, 18857), (332, 18881), (361, 18923), (519, 19235), (571, 19337), (586, 19364), (622, 19427),

Gene: Leviathan_29 Start: 19676, Stop: 20692, Start Num: 71

Candidate Starts for Leviathan_29:

(Start: 71 @19676 has 224 MA's), (127, 19751), (143, 19769), (164, 19805), (183, 19844), (306, 20051), (329, 20090), (332, 20093), (390, 20180), (480, 20360), (529, 20462), (564, 20537), (571, 20549),

Gene: Lewan_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for Lewan_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Liefie_17 Start: 15476, Stop: 16648, Start Num: 33

Candidate Starts for Liefie_17:

(5, 15143), (Start: 33 @15476 has 231 MA's), (80, 15596), (Start: 93 @15614 has 57 MA's), (124, 15659), (127, 15665), (165, 15728), (183, 15764), (218, 15833), (220, 15836), (232, 15857), (270, 15911), (292, 15956), (311, 15986), (390, 16088), (399, 16100), (412, 16130), (496, 16295), (513, 16325), (526, 16343), (535, 16367), (591, 16487), (648, 16577), (661, 16610),

Gene: LilDestine_17 Start: 16073, Stop: 16987, Start Num: 70

Candidate Starts for LilDestine_17:

(Start: 70 @16073 has 85 MA's), (90, 16097), (Start: 108 @16127 has 38 MA's), (189, 16253), (237, 16325), (328, 16478), (329, 16481), (332, 16484), (351, 16514), (416, 16571), (429, 16595), (438, 16601), (491, 16670), (502, 16688), (509, 16709), (538, 16775), (571, 16838), (647, 16967), (654, 16979),

Gene: LilHam_31 Start: 28021, Stop: 28977, Start Num: 93

Candidate Starts for LilHam_31:

(Start: 93 @28021 has 57 MA's), (203, 28207), (210, 28219), (217, 28231), (228, 28246), (234, 28258), (253, 28285), (266, 28300), (280, 28327), (334, 28417), (360, 28453), (401, 28513), (414, 28537), (431, 28549), (462, 28609), (513, 28699), (548, 28789), (561, 28813), (567, 28825), (602, 28891), (610, 28906), (629, 28930), (637, 28942),

Gene: LilHazelnut_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for LilHazelNut_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: LilJank_27 Start: 22752, Stop: 23663, Start Num: 68

Candidate Starts for LilJank_27:

(Start: 59 @22737 has 11 MA's), (Start: 68 @22752 has 28 MA's), (Start: 108 @22809 has 38 MA's), (127, 22839), (181, 22917), (196, 22953), (247, 23028), (263, 23061), (285, 23097), (328, 23178), (329, 23181), (348, 23208), (351, 23214), (374, 23241), (438, 23301), (442, 23307), (514, 23430), (515, 23433), (525, 23454), (538, 23484), (540, 23493), (562, 23532), (564, 23535), (588, 23577), (603, 23592), (607, 23598), (620, 23616), (629, 23631),

Gene: LilPharaoh_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for LilPharaoh_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: LilSpotty_16 Start: 13314, Stop: 14294, Start Num: 82

Candidate Starts for LilSpotty_16:

(Start: 82 @13314 has 1 MA's), (Start: 125 @13371 has 2 MA's), (140, 13392), (165, 13434), (177, 13455), (190, 13479), (232, 13554), (317, 13695), (350, 13740), (362, 13755), (373, 13764), (404, 13815), (430, 13860), (469, 13941), (492, 13974), (513, 14016), (522, 14040), (538, 14073), (546, 14103), (548, 14106), (562, 14133), (567, 14142), (576, 14157), (583, 14166),

Gene: LilTurb_29 Start: 19679, Stop: 20695, Start Num: 71

Candidate Starts for LilTurb_29:

(Start: 71 @19679 has 224 MA's), (127, 19754), (143, 19772), (164, 19808), (183, 19847), (306, 20054), (329, 20093), (332, 20096), (390, 20183), (480, 20363), (529, 20465), (564, 20540), (571, 20552),

Gene: Lilas_19 Start: 16810, Stop: 17718, Start Num: 108

Candidate Starts for Lilas_19:

(Start: 108 @16810 has 38 MA's), (144, 16867), (232, 17017), (233, 17020), (269, 17071), (320, 17140), (352, 17179), (388, 17227), (404, 17251), (422, 17275), (517, 17467), (538, 17494), (540, 17503), (541, 17506), (546, 17521), (569, 17563), (571, 17566), (586, 17593), (604, 17629), (610, 17641), (631, 17674), (635, 17680),

Gene: Lilbeanie_29 Start: 23420, Stop: 24433, Start Num: 79

Candidate Starts for Lilbeanie_29:

(Start: 79 @23420 has 1 MA's), (86, 23426), (115, 23471), (133, 23504), (183, 23594), (272, 23729), (284, 23750), (437, 23984), (453, 24020), (468, 24056), (515, 24143), (543, 24206), (549, 24221), (568, 24251), (616, 24332), (625, 24347), (627, 24350), (664, 24422),

Gene: Lilbit_48 Start: 26439, Stop: 27401, Start Num: 70

Candidate Starts for Lilbit_48:

(Start: 70 @26439 has 85 MA's), (159, 26571), (174, 26595), (180, 26604), (182, 26610), (185, 26619), (196, 26643), (201, 26652), (206, 26664), (211, 26676), (279, 26790), (321, 26871), (332, 26886), (336, 26892), (429, 27000), (514, 27126), (516, 27132), (552, 27207), (593, 27282), (596, 27288), (605, 27300), (607, 27303), (657, 27390), (658, 27393), (659, 27396),

Gene: Lilbunny_30 Start: 18958, Stop: 19974, Start Num: 71

Candidate Starts for Lilbunny_30:

(Start: 71 @18958 has 224 MA's), (86, 18976), (Start: 108 @19012 has 38 MA's), (143, 19051), (196, 19156), (306, 19333), (329, 19372), (332, 19375), (390, 19462), (403, 19483), (463, 19609), (502, 19681), (571, 19831), (576, 19840), (622, 19921),

Gene: LilhomieP_26 Start: 21457, Stop: 22368, Start Num: 66

Candidate Starts for LilhomieP_26:

(Start: 66 @21457 has 21 MA's), (135, 21559), (150, 21577), (159, 21592), (196, 21664), (201, 21673), (257, 21751), (328, 21886), (329, 21889), (332, 21892), (380, 21961), (429, 22003), (438, 22009), (523, 22150), (533, 22171), (538, 22183), (616, 22306), (623, 22318),

Gene: Lilleskat_26 Start: 20527, Stop: 21540, Start Num: 71

Candidate Starts for Lilleskat_26:

(Start: 71 @20527 has 224 MA's), (86, 20545), (127, 20602), (143, 20620), (164, 20656), (265, 20836), (285, 20872), (306, 20902), (332, 20944), (432, 21103), (502, 21247), (529, 21310), (564, 21385), (571, 21397), (585, 21421),

Gene: Lillie_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Lillie_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (265, 15786), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: LindNT_22 Start: 15985, Stop: 17121, Start Num: 33

Candidate Starts for LindNT_22:

(Start: 33 @15985 has 231 MA's), (80, 16102), (142, 16192), (Start: 155 @16213 has 1 MA's), (167, 16234), (181, 16261), (332, 16516), (392, 16597), (433, 16672), (445, 16687), (513, 16798), (535, 16840), (580, 16933), (590, 16957), (648, 17050), (663, 17089), (668, 17107),

Gene: LionsBait_28 Start: 20953, Stop: 21963, Start Num: 71

Candidate Starts for LionsBait_28:

(Start: 71 @20953 has 224 MA's), (Start: 108 @21007 has 38 MA's), (127, 21028), (143, 21046), (183, 21121), (306, 21328), (332, 21370), (418, 21505), (463, 21598), (480, 21631), (529, 21733), (564, 21808), (571, 21820), (622, 21910),

Gene: LitninMcQueen_19 Start: 15502, Stop: 16425, Start Num: 116

Candidate Starts for LitninMcQueen_19:

(Start: 116 @15502 has 15 MA's), (Start: 119 @15505 has 6 MA's), (128, 15517), (140, 15535), (169, 15580), (190, 15619), (210, 15658), (232, 15691), (234, 15697), (277, 15766), (305, 15820), (307, 15823), (309, 15826), (317, 15838), (333, 15856), (337, 15862), (342, 15868), (352, 15886), (394, 15940), (401, 15952), (404, 15958), (422, 15979), (453, 16027), (459, 16045), (462, 16051), (469, 16066), (471, 16069), (545, 16222), (546, 16225), (550, 16231), (571, 16264), (583, 16282), (596, 16315), (631, 16366), (641, 16381), (658, 16417),

Gene: LittleCherry_23 Start: 18649, Stop: 19662, Start Num: 78

Candidate Starts for LittleCherry_23:

(Start: 78 @18649 has 85 MA's), (143, 18745), (163, 18778), (164, 18781), (265, 18955), (297, 19015), (306, 19021), (313, 19039), (332, 19063), (361, 19105), (519, 19417), (571, 19519), (622, 19609),

Gene: LittleLaf_49 Start: 26168, Stop: 27130, Start Num: 70

Candidate Starts for LittleLaf_49:

(Start: 70 @26168 has 85 MA's), (159, 26300), (174, 26324), (180, 26333), (182, 26339), (185, 26348), (196, 26372), (201, 26381), (206, 26393), (211, 26405), (279, 26519), (321, 26600), (332, 26615), (336, 26621), (429, 26729), (514, 26855), (516, 26861), (552, 26936), (593, 27011), (596, 27017), (605, 27029), (607, 27032), (657, 27119), (658, 27122), (659, 27125),

Gene: LiyuLake_18 Start: 16490, Stop: 17380, Start Num: 70

Candidate Starts for LiyuLake_18:

(Start: 70 @16490 has 85 MA's), (90, 16514), (Start: 119 @16559 has 6 MA's), (127, 16574), (Start: 145 @16595 has 14 MA's), (196, 16691), (201, 16700), (285, 16826), (290, 16835), (329, 16895), (332, 16898), (336, 16904), (389, 16976), (429, 17009), (442, 17021), (491, 17084), (525, 17159), (544, 17210), (571, 17252), (647, 17363), (649, 17366),

Gene: Llorens_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Llorens_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Loadrie_17 Start: 16106, Stop: 17020, Start Num: 70

Candidate Starts for Loadrie_17:

(Start: 70 @16106 has 85 MA's), (90, 16130), (Start: 108 @16160 has 38 MA's), (189, 16286), (237, 16358), (328, 16511), (329, 16514), (332, 16517), (351, 16547), (416, 16604), (429, 16628), (438, 16634), (491, 16703), (502, 16721), (509, 16742), (533, 16796), (538, 16808), (571, 16871), (647, 17000), (654, 17012),

Gene: Lokk_30 Start: 20830, Stop: 21840, Start Num: 71

Candidate Starts for Lokk_30:

(Start: 71 @20830 has 224 MA's), (143, 20923), (164, 20959), (183, 20998), (306, 21205), (329, 21244), (332, 21247), (364, 21292), (463, 21475), (480, 21508), (529, 21610), (564, 21685), (571, 21697), (622, 21787),

Gene: Lollipop1437_45 Start: 30536, Stop: 31453, Start Num: 96

Candidate Starts for Lollipop1437_45:

(Start: 96 @30536 has 26 MA's), (152, 30614), (190, 30689), (249, 30797), (297, 30881), (422, 31061), (426, 31067), (550, 31283), (580, 31322), (621, 31397), (636, 31418), (648, 31439),

Gene: Lolly9_18 Start: 16308, Stop: 17198, Start Num: 70

Candidate Starts for Lolly9_18:

(Start: 70 @16308 has 85 MA's), (90, 16332), (Start: 119 @16377 has 6 MA's), (127, 16392), (Start: 145 @16413 has 14 MA's), (196, 16509), (285, 16644), (290, 16653), (329, 16713), (332, 16716), (336, 16722), (389, 16794), (429, 16827), (442, 16839), (491, 16902), (514, 16953), (525, 16977), (544, 17028), (571, 17070), (647, 17181), (649, 17184),

Gene: LoneWolf_28 Start: 20332, Stop: 21345, Start Num: 70

Candidate Starts for LoneWolf_28:

(Start: 70 @20332 has 85 MA's), (86, 20350), (101, 20377), (127, 20407), (143, 20425), (164, 20461), (190, 20515), (265, 20641), (285, 20677), (306, 20707), (332, 20749), (432, 20908), (463, 20980), (502, 21052), (564, 21190), (571, 21202), (576, 21211), (585, 21226),

Gene: LonelyBoi_19 Start: 16813, Stop: 17721, Start Num: 108

Candidate Starts for LonelyBoi_19:

(Start: 108 @16813 has 38 MA's), (144, 16870), (221, 17005), (232, 17020), (233, 17023), (269, 17074), (352, 17182), (388, 17230), (404, 17254), (415, 17272), (422, 17278), (449, 17314), (517,

17470), (538, 17497), (541, 17509), (546, 17524), (571, 17569), (586, 17596), (604, 17632), (606, 17635), (627, 17671), (631, 17677), (635, 17683),

Gene: Looper_30 Start: 18119, Stop: 19096, Start Num: 74

Candidate Starts for Looper_30:

(Start: 74 @18119 has 22 MA's), (159, 18233), (163, 18239), (164, 18242), (292, 18476), (460, 18743), (498, 18797), (571, 18953),

Gene: Loser_30 Start: 20932, Stop: 21945, Start Num: 71

Candidate Starts for Loser_30:

(Start: 71 @20932 has 224 MA's), (86, 20950), (127, 21007), (143, 21025), (164, 21061), (183, 21100), (306, 21307), (329, 21346), (332, 21349), (364, 21394), (426, 21499), (463, 21580), (480, 21613), (519, 21700), (571, 21802), (576, 21811),

Gene: LouisV14_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for LouisV14_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Love_37 Start: 30788, Stop: 31744, Start Num: 93

Candidate Starts for Love_37:

(Start: 93 @30788 has 57 MA's), (203, 30974), (210, 30986), (228, 31013), (238, 31034), (280, 31094), (331, 31181), (334, 31184), (360, 31220), (384, 31253), (394, 31268), (401, 31280), (425, 31310), (431, 31316), (462, 31376), (513, 31466), (534, 31517), (548, 31556), (561, 31580), (567, 31592), (602, 31658), (629, 31697), (637, 31709), (653, 31739),

Gene: Lozinak_47 Start: 28712, Stop: 29593, Start Num: 91

Candidate Starts for Lozinak_47:

(Start: 87 @28706 has 24 MA's), (Start: 91 @28712 has 13 MA's), (123, 28760), (142, 28787), (182, 28859), (215, 28925), (232, 28955), (312, 29063), (390, 29156), (405, 29180), (411, 29195), (471, 29291), (513, 29339), (611, 29519), (634, 29555),

Gene: Luchador_28 Start: 19388, Stop: 20410, Start Num: 71

Candidate Starts for Luchador_28:

(Start: 71 @19388 has 224 MA's), (86, 19406), (Start: 108 @19442 has 38 MA's), (127, 19463), (143, 19481), (196, 19586), (203, 19601), (285, 19733), (297, 19757), (306, 19763), (329, 19802), (332, 19805), (364, 19850), (418, 19943), (455, 20015), (470, 20051), (474, 20057), (502, 20117), (571, 20267), (585, 20291),

Gene: Lucivia_27 Start: 19785, Stop: 20807, Start Num: 71

Candidate Starts for Lucivia_27:

(Start: 71 @19785 has 224 MA's), (Start: 108 @19842 has 38 MA's), (159, 19917), (234, 20046), (265, 20106), (297, 20166), (306, 20172), (332, 20214), (364, 20259), (368, 20265), (418, 20349), (439, 20382), (571, 20664), (576, 20673), (585, 20688), (622, 20754),

Gene: Lucky10_17 Start: 14280, Stop: 15188, Start Num: 108

Candidate Starts for Lucky10_17:

(Start: 108 @14280 has 38 MA's), (140, 14331), (208, 14451), (225, 14475), (233, 14487), (234, 14490), (278, 14553), (320, 14607), (378, 14682), (400, 14709), (415, 14736), (422, 14742), (425, 14745), (471, 14832), (517, 14937), (538, 14964), (540, 14973), (541, 14976), (545, 14988), (546, 14991), (571, 15036), (576, 15045), (627, 15138),

Gene: Lucyedi_28 Start: 19862, Stop: 20878, Start Num: 71

Candidate Starts for Lucyedi_28:

(Start: 71 @19862 has 224 MA's), (86, 19880), (143, 19955), (183, 20030), (225, 20093), (306, 20237), (329, 20276), (332, 20279), (390, 20366), (514, 20618), (519, 20633), (537, 20669), (571, 20735), (584, 20753), (585, 20759),

Gene: Luke_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Luke_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Lumos_18 Start: 16487, Stop: 17377, Start Num: 70

Candidate Starts for Lumos_18:

(Start: 70 @16487 has 85 MA's), (90, 16511), (Start: 119 @16556 has 6 MA's), (127, 16571), (Start: 145 @16592 has 14 MA's), (196, 16688), (285, 16823), (290, 16832), (329, 16892), (332, 16895), (336, 16901), (389, 16973), (429, 17006), (442, 17018), (491, 17081), (515, 17135), (525, 17156), (544, 17207), (571, 17249), (647, 17360), (649, 17363),

Gene: Luna22_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Luna22_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Lunahalos_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Lunahalos_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Lutum_19 Start: 15511, Stop: 16431, Start Num: 119

Candidate Starts for Lutum_19:

(Start: 116 @15508 has 15 MA's), (Start: 119 @15511 has 6 MA's), (128, 15523), (140, 15541), (169, 15586), (190, 15625), (210, 15664), (232, 15697), (234, 15703), (277, 15772), (305, 15826), (307, 15829), (309, 15832), (317, 15844), (333, 15862), (337, 15868), (342, 15874), (352, 15892), (394, 15946), (401, 15958), (404, 15964), (422, 15985), (453, 16033), (459, 16051), (462, 16057), (469, 16072), (471, 16075), (545, 16228), (546, 16231), (550, 16237), (571, 16270), (583, 16288), (596, 16321), (631, 16372), (641, 16387), (658, 16423),

Gene: Lynnae_17 Start: 16062, Stop: 16976, Start Num: 70

Candidate Starts for Lynnae_17:

(Start: 70 @16062 has 85 MA's), (90, 16086), (Start: 108 @16116 has 38 MA's), (189, 16242), (237, 16314), (328, 16467), (329, 16470), (332, 16473), (351, 16503), (416, 16560), (429, 16584), (438, 16590), (491, 16659), (502, 16677), (509, 16698), (533, 16752), (538, 16764), (571, 16827), (647, 16956), (654, 16968),

Gene: Lysidious_19 Start: 16311, Stop: 17177, Start Num: 85

Candidate Starts for Lysidious_19:

(Start: 85 @16311 has 15 MA's), (Start: 89 @16317 has 29 MA's), (186, 16473), (230, 16554), (280, 16611), (286, 16620), (306, 16653), (392, 16761), (447, 16845), (496, 16911), (499, 16917), (578, 17046), (603, 17088),

Gene: MAckerman_17 Start: 15865, Stop: 16746, Start Num: 70

Candidate Starts for MAckerman_17:

(45, 15811), (Start: 59 @15847 has 11 MA's), (Start: 70 @15865 has 85 MA's), (90, 15889), (Start: 108 @15919 has 38 MA's), (Start: 119 @15934 has 6 MA's), (Start: 145 @15967 has 14 MA's), (237, 16111), (329, 16267), (332, 16270), (336, 16276), (368, 16321), (389, 16348), (438, 16387), (459, 16420), (463, 16429), (491, 16456), (542, 16576), (571, 16624), (620, 16690), (623, 16696), (647, 16735),

Gene: MAnor_17 Start: 14472, Stop: 15428, Start Num: 114

Candidate Starts for MAnor_17:

(Start: 114 @14472 has 61 MA's), (144, 14517), (217, 14655), (234, 14682), (272, 14733), (274, 14736), (277, 14742), (278, 14745), (312, 14814), (342, 14859), (357, 14883), (373, 14898), (404, 14949), (462, 15045), (545, 15228), (546, 15231), (562, 15261), (567, 15270), (596, 15327), (631, 15378), (652, 15414), (654, 15420),

Gene: MOOREtheMARYer_17 Start: 15720, Stop: 16898, Start Num: 33

Candidate Starts for MOOREtheMARYer_17:

(Start: 25 @15684 has 1 MA's), (Start: 33 @15720 has 231 MA's), (Start: 93 @15864 has 57 MA's), (127, 15915), (167, 15981), (169, 15984), (183, 16014), (220, 16086), (265, 16155), (270, 16161), (361, 16296), (399, 16350), (429, 16410), (483, 16518), (496, 16545), (513, 16575), (535, 16617), (585, 16719), (626, 16791), (628, 16794), (640, 16812), (661, 16860),

Gene: MScarn_19 Start: 14397, Stop: 15368, Start Num: 114

Candidate Starts for MScarn_19:

(Start: 114 @14397 has 61 MA's), (144, 14442), (156, 14463), (190, 14526), (201, 14550), (217, 14580), (272, 14658), (277, 14667), (278, 14670), (311, 14736), (342, 14784), (375, 14826), (404, 14874), (437, 14925), (462, 14985), (469, 15000), (471, 15003), (486, 15027), (517, 15099), (528, 15117), (545, 15168), (546, 15171), (562, 15201), (567, 15210), (576, 15225), (606, 15282), (639, 15330), (652, 15354), (654, 15360),

Gene: MaCh_27 Start: 19727, Stop: 20749, Start Num: 71

Candidate Starts for MaCh_27:

(Start: 71 @19727 has 224 MA's), (Start: 108 @19784 has 38 MA's), (159, 19859), (234, 19988), (265, 20048), (297, 20108), (306, 20114), (332, 20156), (364, 20201), (368, 20207), (418, 20291), (439, 20324), (571, 20606), (576, 20615), (585, 20630), (622, 20696),

Gene: MaVan_19 Start: 15745, Stop: 16710, Start Num: 114

Candidate Starts for MaVan_19:

(Start: 114 @15745 has 61 MA's), (144, 15790), (165, 15826), (177, 15847), (190, 15874), (217, 15928), (272, 16009), (277, 16018), (278, 16021), (311, 16090), (342, 16138), (404, 16228), (414, 16243), (447, 16282), (517, 16438), (545, 16504), (546, 16507), (548, 16510), (562, 16537), (567, 16546), (583, 16570), (596, 16603), (608, 16621), (635, 16666), (652, 16696), (654, 16702),

Gene: Mabel_27 Start: 19788, Stop: 20810, Start Num: 71

Candidate Starts for Mabel_27:

(Start: 71 @19788 has 224 MA's), (Start: 108 @19845 has 38 MA's), (159, 19920), (234, 20049), (265, 20109), (297, 20169), (306, 20175), (332, 20217), (364, 20262), (368, 20268), (418, 20352), (439, 20385), (571, 20667), (576, 20676), (585, 20691), (622, 20757),

Gene: MacGully_49 Start: 30719, Stop: 31612, Start Num: 125

Candidate Starts for MacGully_49:

(Start: 61 @30635 has 1 MA's), (Start: 92 @30683 has 1 MA's), (Start: 125 @30719 has 2 MA's), (126, 30722), (216, 30890), (220, 30896), (287, 31013), (297, 31031), (306, 31046), (363, 31121), (401, 31181), (422, 31220), (426, 31226), (513, 31364), (543, 31424), (558, 31457), (580, 31481), (613, 31544), (636, 31577), (640, 31583),

Gene: MacKat_22 Start: 16028, Stop: 17164, Start Num: 33

Candidate Starts for MacKat_22:

(Start: 33 @16028 has 231 MA's), (80, 16145), (142, 16235), (Start: 155 @16256 has 1 MA's), (167, 16277), (181, 16304), (332, 16559), (392, 16640), (433, 16715), (445, 16730), (513, 16841), (535, 16883), (580, 16976), (590, 17000), (648, 17093), (663, 17132), (668, 17150),

Gene: MacnCheese_22 Start: 16685, Stop: 17821, Start Num: 33

Candidate Starts for MacnCheese_22:

(Start: 33 @16685 has 231 MA's), (80, 16808), (124, 16871), (127, 16877), (142, 16898), (147, 16907), (167, 16940), (220, 17045), (232, 17066), (292, 17168), (311, 17198), (332, 17222), (352, 17243), (381, 17285), (404, 17321), (496, 17468), (513, 17498), (516, 17507), (535, 17540), (537, 17543), (538, 17546), (580, 17633), (601, 17672), (630, 17720), (660, 17777), (661, 17783), (663, 17789),

Gene: Maco6_18 Start: 14149, Stop: 15261, Start Num: 36

Candidate Starts for Maco6_18:

(Start: 36 @14149 has 4 MA's), (44, 14197), (118, 14305), (124, 14314), (169, 14383), (176, 14395), (182, 14410), (265, 14557), (334, 14665), (390, 14740), (396, 14749), (414, 14785), (464, 14854), (490, 14896), (513, 14941), (516, 14950), (544, 15007), (601, 15112), (661, 15223),

Gene: MagicMan_18 Start: 16039, Stop: 16965, Start Num: 111

Candidate Starts for MagicMan_18:

(39, 15904), (40, 15907), (Start: 94 @16021 has 5 MA's), (Start: 111 @16039 has 15 MA's), (Start: 119 @16048 has 6 MA's), (147, 16090), (Start: 155 @16102 has 1 MA's), (284, 16324), (307, 16369), (323, 16393), (330, 16399), (337, 16408), (342, 16414), (362, 16444), (386, 16474), (404, 16504), (406, 16510), (452, 16570), (453, 16573), (462, 16597), (497, 16654), (506, 16675), (537, 16741), (571, 16810), (652, 16948),

Gene: Mahdia_17 Start: 13987, Stop: 14814, Start Num: 145

Candidate Starts for Mahdia_17:

(Start: 145 @13987 has 14 MA's), (172, 14032), (183, 14056), (221, 14119), (283, 14236), (318, 14290), (384, 14383), (392, 14395), (444, 14464), (459, 14497), (509, 14572), (538, 14620), (542, 14635), (552, 14647), (564, 14671), (566, 14674), (576, 14692), (578, 14695), (631, 14782), (641, 14797),

Gene: MajorMajor_26 Start: 18067, Stop: 19077, Start Num: 71

Candidate Starts for MajorMajor_26:

(Start: 71 @18067 has 224 MA's), (Start: 108 @18121 has 38 MA's), (127, 18142), (143, 18160), (183, 18235), (306, 18442), (329, 18481), (332, 18484), (364, 18529), (463, 18712), (480, 18745), (529, 18847), (571, 18934), (622, 19024),

Gene: MakCheese_19 Start: 15000, Stop: 16061, Start Num: 77

Candidate Starts for MakCheese_19:

(Start: 70 @14991 has 85 MA's), (77, 15000), (142, 15093), (167, 15135), (190, 15183), (284, 15351), (293, 15375), (296, 15381), (348, 15453), (354, 15462), (356, 15465), (364, 15474), (451, 15615), (461, 15642), (484, 15684), (511, 15732), (605, 15924), (607, 15927), (626, 15957), (645, 15987),

(648, 15993), (662, 16029), (663, 16032),

Gene: Malachai_19 Start: 16271, Stop: 17131, Start Num: 89

Candidate Starts for Malachai_19:

(Start: 85 @16265 has 15 MA's), (Start: 89 @16271 has 29 MA's), (186, 16427), (230, 16508), (306, 16607), (392, 16715), (447, 16799), (499, 16871), (578, 17000), (603, 17042),

Gene: MalagasyRose_23 Start: 15476, Stop: 16555, Start Num: 50

Candidate Starts for MalagasyRose_23:

(Start: 50 @15476 has 1 MA's), (Start: 79 @15518 has 1 MA's), (98, 15542), (124, 15581), (169, 15650), (181, 15674), (183, 15680), (201, 15719), (233, 15776), (257, 15803), (259, 15809), (273, 15830), (275, 15833), (301, 15881), (311, 15899), (332, 15923), (338, 15926), (381, 15989), (390, 16001), (396, 16010), (400, 16016), (412, 16043), (414, 16046), (440, 16091), (463, 16133), (496, 16187), (504, 16205), (545, 16307), (557, 16328), (571, 16352), (628, 16454), (640, 16472), (648, 16487), (662, 16523),

Gene: Malec_28 Start: 19460, Stop: 20476, Start Num: 71

Candidate Starts for Malec_28:

(Start: 71 @19460 has 224 MA's), (127, 19535), (143, 19553), (164, 19589), (183, 19628), (265, 19769), (306, 19835), (329, 19874), (332, 19877), (463, 20111), (537, 20267), (571, 20333), (585, 20357),

Gene: Malibo_19 Start: 15676, Stop: 16518, Start Num: 145

Candidate Starts for Malibo_19:

(Start: 145 @15676 has 14 MA's), (183, 15745), (192, 15766), (217, 15802), (233, 15829), (238, 15841), (261, 15886), (283, 15925), (316, 15979), (351, 16024), (371, 16048), (440, 16153), (451, 16177), (462, 16207), (464, 16213), (503, 16255), (513, 16282), (517, 16288), (576, 16396), (595, 16438), (599, 16444), (607, 16456), (637, 16498),

Gene: Maliketh_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Maliketh_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Malisha_20 Start: 17283, Stop: 18203, Start Num: 119

Candidate Starts for Malisha_20:

(Start: 116 @17280 has 15 MA's), (Start: 119 @17283 has 6 MA's), (128, 17295), (140, 17313), (169, 17358), (177, 17373), (182, 17385), (190, 17397), (210, 17436), (232, 17469), (277, 17544), (305, 17598), (307, 17601), (309, 17604), (317, 17616), (333, 17634), (337, 17640), (342, 17646), (394, 17718), (401, 17730), (404, 17736), (422, 17757), (453, 17805), (462, 17829), (469, 17844), (471, 17847), (504, 17901), (545, 18000), (546, 18003), (550, 18009), (571, 18042), (580, 18057), (583, 18060), (598, 18096), (631, 18144),

Gene: Malthus_24 Start: 17413, Stop: 18546, Start Num: 33

Candidate Starts for Malthus_24:

(Start: 33 @17413 has 231 MA's), (38, 17431), (Start: 59 @17503 has 11 MA's), (80, 17533), (142, 17623), (167, 17665), (180, 17689), (233, 17794), (386, 18016), (390, 18022), (469, 18172), (471, 18175), (496, 18193), (513, 18223), (535, 18265), (537, 18268), (557, 18319), (640, 18460), (648, 18475), (663, 18514), (668, 18532),

Gene: Maminiaina_28 Start: 20271, Stop: 21293, Start Num: 71

Candidate Starts for Maminaiaina_28:

(Start: 71 @20271 has 224 MA's), (86, 20289), (127, 20346), (143, 20364), (164, 20400), (265, 20580), (285, 20616), (306, 20646), (332, 20688), (432, 20847), (470, 20934), (482, 20961), (571, 21150), (585, 21174),

Gene: Manilisa_22 Start: 18190, Stop: 19050, Start Num: 89

Candidate Starts for Manilisa_22:

(Start: 89 @18190 has 29 MA's), (95, 18196), (Start: 119 @18232 has 6 MA's), (121, 18235), (213, 18403), (222, 18418), (230, 18430), (303, 18526), (306, 18529), (310, 18538), (320, 18550), (332, 18565), (422, 18694), (512, 18814), (529, 18835), (537, 18856), (545, 18886), (605, 18976),

Gene: Marcoliusprime_18 Start: 13889, Stop: 15016, Start Num: 35

Candidate Starts for Marcoliusprime_18:

(Start: 35 @13889 has 11 MA's), (38, 13898), (80, 14000), (142, 14090), (167, 14132), (169, 14135), (181, 14159), (232, 14258), (273, 14321), (292, 14360), (332, 14414), (381, 14480), (390, 14492), (417, 14543), (431, 14567), (471, 14645), (496, 14663), (513, 14693), (516, 14702), (535, 14735), (537, 14738), (590, 14852), (640, 14930), (648, 14945), (663, 14984), (668, 15002),

Gene: Mareelih_98 Start: 58510, Stop: 59445, Start Num: 94

Candidate Starts for Mareelih_98:

(Start: 94 @58510 has 5 MA's), (107, 58525), (110, 58531), (115, 58537), (180, 58654), (181, 58657), (203, 58708), (228, 58744), (326, 58879), (356, 58915), (377, 58945), (514, 59197), (538, 59242), (547, 59272), (551, 59278), (568, 59305), (590, 59344), (633, 59413),

Gene: Margaret_20 Start: 14513, Stop: 15472, Start Num: 114

Candidate Starts for Margaret_20:

(65, 14438), (Start: 114 @14513 has 61 MA's), (128, 14534), (146, 14561), (147, 14564), (277, 14783), (305, 14840), (340, 14897), (342, 14900), (404, 14990), (450, 15059), (462, 15092), (539, 15251), (545, 15272), (546, 15275), (562, 15305), (567, 15314), (571, 15320), (583, 15338), (596, 15371), (602, 15380), (606, 15386), (641, 15437), (652, 15458), (654, 15464),

Gene: Marietta_42 Start: 26965, Stop: 27885, Start Num: 100

Candidate Starts for Marietta_42:

(Start: 100 @26965 has 8 MA's), (152, 27046), (178, 27091), (209, 27160), (282, 27286), (306, 27328), (370, 27412), (401, 27463), (426, 27496), (472, 27586), (543, 27694), (550, 27712), (580, 27754), (632, 27844), (636, 27850), (648, 27871),

Gene: MarkPhew_22 Start: 15151, Stop: 16287, Start Num: 33

Candidate Starts for MarkPhew_22:

(Start: 33 @15151 has 231 MA's), (80, 15268), (Start: 93 @15286 has 57 MA's), (142, 15358), (Start: 155 @15379 has 1 MA's), (181, 15427), (233, 15529), (234, 15532), (292, 15628), (369, 15727), (381, 15748), (431, 15835), (445, 15853), (471, 15916), (535, 16006), (537, 16009), (580, 16099), (648, 16216), (660, 16243), (663, 16255), (668, 16273),

Gene: Marmie_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Marmie_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Marshawn_23 Start: 15766, Stop: 16905, Start Num: 33

Candidate Starts for Marshawn_23:

(28, 15754), (Start: 33 @15766 has 231 MA's), (80, 15886), (142, 15976), (181, 16045), (292, 16246), (332, 16300), (381, 16366), (390, 16378), (417, 16429), (499, 16558), (513, 16582), (535, 16624), (537, 16627), (538, 16630), (557, 16678), (580, 16717), (660, 16861), (663, 16873), (668, 16891),

Gene: Marteena_19 Start: 16661, Stop: 17569, Start Num: 108

Candidate Starts for Marteena_19:

(Start: 108 @16661 has 38 MA's), (144, 16718), (221, 16853), (232, 16868), (233, 16871), (269, 16922), (352, 17030), (388, 17078), (404, 17102), (415, 17120), (422, 17126), (449, 17162), (517, 17318), (538, 17345), (541, 17357), (546, 17372), (571, 17417), (583, 17435), (586, 17444), (604, 17480), (606, 17483), (627, 17519), (631, 17525), (635, 17531),

Gene: Marvin_47 Start: 26438, Stop: 27400, Start Num: 70

Candidate Starts for Marvin_47:

(Start: 70 @26438 has 85 MA's), (159, 26570), (174, 26594), (180, 26603), (182, 26609), (185, 26618), (196, 26642), (201, 26651), (206, 26663), (279, 26789), (321, 26870), (332, 26885), (336, 26891), (429, 26999), (514, 27125), (516, 27131), (593, 27281), (596, 27287), (605, 27299), (607, 27302), (657, 27389), (658, 27392), (659, 27395),

Gene: MarysWell_22 Start: 18617, Stop: 19630, Start Num: 78

Candidate Starts for MarysWell_22:

(Start: 78 @18617 has 85 MA's), (143, 18713), (163, 18746), (164, 18749), (183, 18788), (265, 18923), (297, 18983), (306, 18989), (313, 19007), (332, 19031), (361, 19073), (519, 19385), (571, 19487), (586, 19514), (622, 19577),

Gene: Maselop_44 Start: 30439, Stop: 31365, Start Num: 93

Candidate Starts for Maselop_44:

(Start: 93 @30439 has 57 MA's), (Start: 125 @30475 has 2 MA's), (190, 30592), (209, 30631), (220, 30649), (249, 30700), (306, 30799), (363, 30874), (370, 30883), (414, 30958), (426, 30979), (513, 31117), (535, 31153), (548, 31192), (580, 31234), (613, 31297), (636, 31330),

Gene: Mayweather_18 Start: 15087, Stop: 16043, Start Num: 114

Candidate Starts for Mayweather_18:

(Start: 114 @15087 has 61 MA's), (144, 15132), (190, 15216), (217, 15270), (234, 15297), (272, 15348), (274, 15351), (277, 15357), (278, 15360), (312, 15429), (342, 15474), (357, 15498), (404, 15564), (462, 15660), (545, 15843), (546, 15846), (562, 15876), (567, 15885), (596, 15942), (631, 15993), (652, 16029), (654, 16035),

Gene: McCrothy_34 Start: 30596, Stop: 31552, Start Num: 93

Candidate Starts for McCrothy_34:

(Start: 93 @30596 has 57 MA's), (203, 30782), (210, 30794), (228, 30821), (238, 30842), (280, 30902), (331, 30989), (334, 30992), (360, 31028), (384, 31061), (394, 31076), (401, 31088), (425, 31118), (431, 31124), (462, 31184), (513, 31274), (534, 31325), (548, 31364), (561, 31388), (567, 31400), (602, 31466), (629, 31505), (637, 31517), (653, 31547),

Gene: McDazzle_16 Start: 14934, Stop: 15890, Start Num: 114

Candidate Starts for McDazzle_16:

(Start: 114 @14934 has 61 MA's), (144, 14979), (190, 15063), (217, 15117), (234, 15144), (272, 15195), (274, 15198), (277, 15204), (278, 15207), (305, 15261), (312, 15276), (340, 15318), (342, 15321), (357, 15345), (404, 15411), (462, 15507), (545, 15690), (546, 15693), (562, 15723), (567, 15732), (596, 15789), (631, 15840), (652, 15876), (654, 15882),

Gene: McFly_30 Start: 18966, Stop: 19979, Start Num: 71

Candidate Starts for McFly_30:

(Start: 71 @18966 has 224 MA's), (Start: 108 @19020 has 38 MA's), (143, 19059), (196, 19164), (285, 19311), (306, 19341), (329, 19380), (332, 19383), (364, 19428), (403, 19488), (502, 19686), (571, 19836), (576, 19845),

Gene: McKinley_36 Start: 30814, Stop: 31770, Start Num: 93

Candidate Starts for McKinley_36:

(Start: 93 @30814 has 57 MA's), (203, 31000), (210, 31012), (228, 31039), (238, 31060), (280, 31120), (331, 31207), (334, 31210), (360, 31246), (384, 31279), (394, 31294), (401, 31306), (425, 31336), (431, 31342), (462, 31402), (513, 31492), (548, 31582), (561, 31606), (567, 31618), (602, 31684), (629, 31723), (637, 31735),

Gene: McMater_22 Start: 15375, Stop: 16514, Start Num: 33

Candidate Starts for McMater_22:

(Start: 33 @15375 has 231 MA's), (80, 15495), (142, 15585), (181, 15654), (232, 15753), (233, 15756), (292, 15855), (332, 15909), (392, 15990), (433, 16065), (445, 16080), (499, 16167), (513, 16191), (535, 16233), (537, 16236), (557, 16287), (580, 16326), (628, 16410), (640, 16428), (648, 16443), (663, 16482), (668, 16500),

Gene: Mdavu_18 Start: 15542, Stop: 16684, Start Num: 33

Candidate Starts for Mdavu_18:

(Start: 33 @15542 has 231 MA's), (80, 15665), (142, 15755), (181, 15824), (232, 15923), (233, 15926), (292, 16025), (392, 16160), (513, 16361), (535, 16403), (537, 16406), (580, 16496), (590, 16520), (648, 16613), (663, 16652), (668, 16670),

Gene: MeaningOfLife_22 Start: 15987, Stop: 17123, Start Num: 33

Candidate Starts for MeaningOfLife_22:

(Start: 33 @15987 has 231 MA's), (80, 16104), (142, 16194), (Start: 155 @16215 has 1 MA's), (167, 16236), (181, 16263), (332, 16518), (392, 16599), (433, 16674), (445, 16689), (513, 16800), (516, 16809), (535, 16842), (580, 16935), (590, 16959), (648, 17052), (663, 17091), (668, 17109),

Gene: MegTheThird_26 Start: 18672, Stop: 19694, Start Num: 71

Candidate Starts for MegTheThird_26:

(Start: 71 @18672 has 224 MA's), (127, 18747), (143, 18765), (164, 18801), (234, 18921), (265, 18981), (285, 19017), (306, 19047), (332, 19089), (426, 19239), (452, 19290), (470, 19335), (474, 19341), (502, 19401), (515, 19437), (571, 19551),

Gene: Megsy_22 Start: 15988, Stop: 17124, Start Num: 33

Candidate Starts for Megsy_22:

(Start: 33 @15988 has 231 MA's), (80, 16105), (142, 16195), (Start: 155 @16216 has 1 MA's), (167, 16237), (181, 16264), (332, 16519), (392, 16600), (433, 16675), (445, 16690), (513, 16801), (535, 16843), (580, 16936), (586, 16948), (590, 16960), (648, 17053), (663, 17092), (668, 17110),

Gene: MelBins_33 Start: 28300, Stop: 29286, Start Num: 84

Candidate Starts for MelBins_33:

(Start: 84 @28300 has 25 MA's), (165, 28423), (183, 28459), (214, 28519), (284, 28615), (365, 28726), (377, 28747), (437, 28849), (453, 28885), (513, 28993), (565, 29101), (568, 29107), (577, 29122), (586, 29137), (605, 29173), (625, 29206), (627, 29209), (664, 29275),

Gene: Melba_18 Start: 15787, Stop: 16653, Start Num: 85

Candidate Starts for Melba_18:

(Start: 85 @15787 has 15 MA's), (Start: 89 @15793 has 29 MA's), (186, 15949), (230, 16030), (306, 16129), (392, 16237), (447, 16321), (499, 16393), (578, 16522), (590, 16549), (603, 16564),

Gene: Mellie_17 Start: 15554, Stop: 16414, Start Num: 89

Candidate Starts for Mellie_17:

(Start: 85 @15548 has 15 MA's), (Start: 89 @15554 has 29 MA's), (186, 15710), (230, 15791), (306, 15890), (392, 15998), (447, 16082), (496, 16148), (529, 16193), (578, 16283), (603, 16325),

Gene: Mendokysei_17 Start: 15828, Stop: 16793, Start Num: 63

Candidate Starts for Mendokysei_17:

(Start: 63 @15828 has 7 MA's), (Start: 84 @15855 has 25 MA's), (Start: 93 @15873 has 57 MA's), (204, 16053), (249, 16128), (294, 16221), (329, 16278), (336, 16287), (416, 16371), (527, 16548), (532, 16563), (544, 16596), (576, 16647), (594, 16689), (618, 16728), (623, 16737),

Gene: MerCougar_41 Start: 29816, Stop: 30739, Start Num: 96

Candidate Starts for MerCougar_41:

(Start: 96 @29816 has 26 MA's), (152, 29903), (173, 29939), (190, 29978), (422, 30347), (513, 30491), (580, 30608), (636, 30704), (640, 30710), (648, 30725),

Gene: Mercurio_18 Start: 15481, Stop: 16668, Start Num: 33

Candidate Starts for Mercurio_18:

(Start: 33 @15481 has 231 MA's), (Start: 93 @15628 has 57 MA's), (124, 15673), (127, 15679), (180, 15769), (218, 15847), (220, 15850), (232, 15871), (233, 15874), (267, 15925), (270, 15931), (292, 15976), (399, 16120), (412, 16150), (431, 16183), (481, 16285), (499, 16321), (513, 16345), (538, 16393), (585, 16489), (628, 16564), (648, 16597), (661, 16630), (663, 16636),

Gene: Meyran_20 Start: 18053, Stop: 18913, Start Num: 89

Candidate Starts for Meyran_20:

(Start: 89 @18053 has 29 MA's), (95, 18059), (Start: 119 @18095 has 6 MA's), (121, 18098), (213, 18266), (222, 18281), (230, 18293), (303, 18389), (306, 18392), (310, 18401), (320, 18413), (332, 18428), (422, 18557), (512, 18677), (529, 18698), (537, 18719), (545, 18749), (605, 18839),

Gene: Micasa_23 Start: 18623, Stop: 19636, Start Num: 78

Candidate Starts for Micasa_23:

(Start: 78 @18623 has 85 MA's), (143, 18719), (163, 18752), (164, 18755), (183, 18794), (265, 18929), (297, 18989), (306, 18995), (313, 19013), (332, 19037), (361, 19079), (519, 19391), (571, 19493), (622, 19583),

Gene: MiculUcigas_27 Start: 19200, Stop: 20216, Start Num: 71

Candidate Starts for MiculUcigas_27:

(Start: 71 @19200 has 224 MA's), (127, 19275), (143, 19293), (164, 19329), (183, 19368), (285, 19545), (306, 19575), (329, 19614), (332, 19617), (571, 20073), (585, 20097),

Gene: MicyPS_16 Start: 16526, Stop: 17407, Start Num: 67

Candidate Starts for MicyPS_16:

(Start: 67 @16526 has 2 MA's), (123, 16607), (196, 16739), (246, 16817), (255, 16829), (265, 16853), (313, 16934), (316, 16937), (336, 16964), (371, 17012), (387, 17033), (418, 17051), (438, 17075), (442, 17081), (510, 17168), (521, 17195), (585, 17315), (620, 17363), (623, 17369),

Gene: Midas2_23 Start: 18617, Stop: 19630, Start Num: 78

Candidate Starts for Midas2_23:

(Start: 78 @18617 has 85 MA's), (143, 18713), (163, 18746), (164, 18749), (183, 18788), (265, 18923), (297, 18983), (306, 18989), (313, 19007), (332, 19031), (361, 19073), (519, 19385), (571, 19487), (586, 19514), (622, 19577),

Gene: Miko_30 Start: 20800, Stop: 21810, Start Num: 71

Candidate Starts for Miko_30:

(Start: 71 @20800 has 224 MA's), (143, 20893), (164, 20929), (183, 20968), (306, 21175), (329, 21214), (332, 21217), (364, 21262), (463, 21445), (480, 21478), (529, 21580), (564, 21655), (571, 21667), (622, 21757),

Gene: Milcery_23 Start: 18653, Stop: 19666, Start Num: 78

Candidate Starts for Milcery_23:

(Start: 78 @18653 has 85 MA's), (143, 18749), (163, 18782), (164, 18785), (183, 18824), (265, 18959), (297, 19019), (306, 19025), (313, 19043), (332, 19067), (361, 19109), (519, 19421), (571, 19523), (622, 19613),

Gene: Miley16_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for Miley16_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Milly_18 Start: 13889, Stop: 15016, Start Num: 35

Candidate Starts for Milly_18:

(Start: 35 @13889 has 11 MA's), (38, 13898), (80, 14000), (142, 14090), (167, 14132), (169, 14135), (181, 14159), (232, 14258), (273, 14321), (292, 14360), (332, 14414), (381, 14480), (390, 14492), (417, 14543), (431, 14567), (471, 14645), (496, 14663), (513, 14693), (516, 14702), (535, 14735), (537, 14738), (590, 14852), (640, 14930), (648, 14945), (663, 14984), (668, 15002),

Gene: MinecraftSteve_30 Start: 18241, Stop: 19218, Start Num: 74

Candidate Starts for MinecraftSteve_30:

(Start: 74 @18241 has 22 MA's), (159, 18355), (163, 18361), (164, 18364), (292, 18598), (460, 18865), (498, 18919), (571, 19075),

Gene: MiniLon_18 Start: 16308, Stop: 17198, Start Num: 70

Candidate Starts for MiniLon_18:

(Start: 70 @16308 has 85 MA's), (90, 16332), (Start: 119 @16377 has 6 MA's), (127, 16392), (Start: 145 @16413 has 14 MA's), (196, 16509), (285, 16644), (290, 16653), (329, 16713), (332, 16716), (336, 16722), (389, 16794), (429, 16827), (442, 16839), (491, 16902), (514, 16953), (525, 16977), (544, 17028), (571, 17070), (647, 17181), (649, 17184),

Gene: MiniMac_18 Start: 16309, Stop: 17199, Start Num: 70

Candidate Starts for MiniMac_18:

(Start: 70 @16309 has 85 MA's), (90, 16333), (Start: 119 @16378 has 6 MA's), (127, 16393), (Start: 145 @16414 has 14 MA's), (196, 16510), (285, 16645), (290, 16654), (329, 16714), (332, 16717), (336, 16723), (389, 16795), (429, 16828), (442, 16840), (491, 16903), (514, 16954), (525, 16978), (544, 17029), (571, 17071), (647, 17182), (649, 17185),

Gene: Minispark_25 Start: 18587, Stop: 19609, Start Num: 71

Candidate Starts for Minispark_25:

(Start: 71 @18587 has 224 MA's), (86, 18605), (Start: 108 @18641 has 38 MA's), (127, 18662), (143, 18680), (196, 18785), (285, 18932), (306, 18962), (332, 19004), (403, 19109), (426, 19154), (450, 19199), (470, 19250), (474, 19256), (478, 19265), (529, 19379), (552, 19430), (564, 19454), (571, 19466), (576, 19475), (622, 19556),

Gene: MintFen_18 Start: 15793, Stop: 16653, Start Num: 89

Candidate Starts for MintFen_18:

(Start: 85 @15787 has 15 MA's), (Start: 89 @15793 has 29 MA's), (186, 15949), (230, 16030), (306, 16129), (392, 16237), (447, 16321), (499, 16393), (578, 16522), (590, 16549), (603, 16564),

Gene: Miryou_20 Start: 16308, Stop: 17438, Start Num: 37

Candidate Starts for Miryou_20:

(Start: 37 @16308 has 23 MA's), (167, 16551), (181, 16578), (232, 16677), (292, 16779), (332, 16833), (357, 16863), (381, 16899), (383, 16902), (390, 16911), (431, 16986), (433, 16989), (453, 17025), (471, 17067), (496, 17085), (499, 17091), (513, 17115), (514, 17118), (516, 17124), (535, 17157), (648, 17367), (663, 17406), (668, 17424),

Gene: Miskis_45 Start: 28475, Stop: 29356, Start Num: 91

Candidate Starts for Miskis_45:

(Start: 87 @28469 has 24 MA's), (Start: 91 @28475 has 13 MA's), (123, 28523), (142, 28550), (182, 28622), (215, 28688), (232, 28718), (312, 28826), (390, 28919), (405, 28943), (411, 28958), (471, 29054), (513, 29102), (611, 29282), (634, 29318),

Gene: MissDaisy_23 Start: 17255, Stop: 18388, Start Num: 33

Candidate Starts for MissDaisy_23:

(Start: 33 @17255 has 231 MA's), (38, 17273), (Start: 59 @17345 has 11 MA's), (80, 17375), (142, 17465), (147, 17474), (167, 17507), (180, 17531), (233, 17636), (332, 17789), (386, 17858), (390, 17864), (471, 18017), (496, 18035), (513, 18065), (535, 18107), (537, 18110), (640, 18302), (648, 18317), (663, 18356), (668, 18374),

Gene: MissRona_20 Start: 16105, Stop: 16965, Start Num: 87

Candidate Starts for MissRona_20:

(Start: 87 @16105 has 24 MA's), (Start: 105 @16120 has 1 MA's), (170, 16222), (186, 16261), (230, 16342), (297, 16426), (306, 16441), (392, 16549), (447, 16633), (496, 16699), (499, 16705), (529, 16744), (578, 16834), (603, 16876),

Gene: MissWhite_27 Start: 18271, Stop: 19281, Start Num: 71

Candidate Starts for MissWhite_27:

(Start: 71 @18271 has 224 MA's), (143, 18364), (164, 18400), (183, 18439), (285, 18616), (306, 18646), (332, 18688), (364, 18733), (418, 18823), (463, 18916), (571, 19138),

Gene: Mitti_23 Start: 17413, Stop: 18546, Start Num: 33

Candidate Starts for Mitti_23:

(Start: 33 @17413 has 231 MA's), (38, 17431), (Start: 59 @17503 has 11 MA's), (80, 17533), (142, 17623), (167, 17665), (180, 17689), (233, 17794), (332, 17947), (386, 18016), (390, 18022), (471, 18175), (496, 18193), (513, 18223), (535, 18265), (537, 18268), (640, 18460), (648, 18475), (663, 18514), (668, 18532),

Gene: MkaliMitinis3_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for MkaliMitinis3_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: ModicumRichard_18 Start: 15643, Stop: 16551, Start Num: 64

Candidate Starts for ModicumRichard_18:

(6, 15190), (Start: 64 @15643 has 6 MA's), (86, 15670), (Start: 106 @15703 has 1 MA's), (175, 15805), (186, 15832), (196, 15856), (265, 15958), (285, 15991), (295, 16021), (328, 16057), (332, 16063), (339, 16072), (390, 16150), (429, 16180), (438, 16186), (446, 16201), (508, 16306), (538, 16372),

(590, 16471), (613, 16498), (620, 16504), (643, 16540),

Gene: Mollymur_30 Start: 27246, Stop: 28130, Start Num: 87

Candidate Starts for Mollymur_30:

(47, 27171), (Start: 87 @27246 has 24 MA's), (Start: 105 @27267 has 1 MA's), (156, 27345), (182, 27393), (186, 27402), (232, 27489), (332, 27618), (390, 27690), (394, 27696), (471, 27825), (548, 27948), (562, 27969), (578, 27996),

Gene: Moonflower_18 Start: 16305, Stop: 17252, Start Num: 111

Candidate Starts for Moonflower_18:

(Start: 111 @16305 has 15 MA's), (225, 16500), (277, 16581), (323, 16665), (330, 16671), (342, 16686), (386, 16746), (404, 16776), (406, 16782), (453, 16845), (462, 16869), (464, 16875), (487, 16911), (517, 16980), (537, 17022), (545, 17049), (571, 17091), (573, 17094), (580, 17106), (606, 17157), (625, 17181), (652, 17226), (655, 17235),

Gene: MoontowerMania_33 Start: 29628, Stop: 30584, Start Num: 93

Candidate Starts for MoontowerMania_33:

(Start: 93 @29628 has 57 MA's), (203, 29814), (210, 29826), (212, 29829), (228, 29853), (238, 29874), (280, 29934), (331, 30021), (334, 30024), (360, 30060), (384, 30093), (394, 30108), (401, 30120), (425, 30150), (431, 30156), (462, 30216), (513, 30306), (548, 30396), (561, 30420), (567, 30432), (602, 30498), (629, 30537), (637, 30549), (653, 30579),

Gene: Moostard_18 Start: 16493, Stop: 17383, Start Num: 70

Candidate Starts for Moostard_18:

(Start: 70 @16493 has 85 MA's), (90, 16517), (Start: 119 @16562 has 6 MA's), (127, 16577), (Start: 145 @16598 has 14 MA's), (196, 16694), (285, 16829), (290, 16838), (329, 16898), (332, 16901), (336, 16907), (389, 16979), (429, 17012), (491, 17087), (515, 17141), (525, 17162), (544, 17213), (571, 17255), (647, 17366), (649, 17369),

Gene: Morgana_18 Start: 15633, Stop: 16544, Start Num: 64

Candidate Starts for Morgana_18:

(6, 15180), (Start: 64 @15633 has 6 MA's), (86, 15660), (Start: 106 @15693 has 1 MA's), (175, 15795), (186, 15822), (265, 15948), (285, 15981), (295, 16011), (328, 16047), (332, 16053), (339, 16062), (390, 16140), (438, 16176), (446, 16191), (538, 16365), (590, 16464), (613, 16491), (620, 16497),

Gene: Morkie_17 Start: 14248, Stop: 15156, Start Num: 108

Candidate Starts for Morkie_17:

(Start: 108 @14248 has 38 MA's), (140, 14299), (208, 14419), (225, 14443), (233, 14455), (234, 14458), (278, 14521), (378, 14650), (400, 14677), (415, 14704), (422, 14710), (425, 14713), (471, 14800), (517, 14905), (538, 14932), (540, 14941), (541, 14944), (546, 14959), (571, 15004), (576, 15013),

Gene: Morrissey_18 Start: 15201, Stop: 16028, Start Num: 145

Candidate Starts for Morrissey_18:

(Start: 145 @15201 has 14 MA's), (172, 15246), (183, 15270), (217, 15327), (221, 15333), (233, 15354), (254, 15390), (260, 15405), (315, 15501), (318, 15504), (384, 15597), (392, 15609), (444, 15678), (509, 15786), (538, 15834), (542, 15849), (552, 15861), (564, 15885), (578, 15909), (597, 15942), (603, 15951), (627, 15990), (631, 15996),

Gene: MortyNRick_18 Start: 15370, Stop: 16296, Start Num: 108

Candidate Starts for MortyNRick_18:

(Start: 106 @15367 has 1 MA's), (Start: 108 @15370 has 38 MA's), (144, 15427), (202, 15529), (208, 15541), (225, 15565), (232, 15574), (233, 15577), (234, 15580), (278, 15643), (305, 15676), (320,

15697), (337, 15712), (378, 15772), (388, 15784), (404, 15808), (425, 15835), (426, 15838), (449, 15868), (484, 15946), (517, 16027), (537, 16069), (538, 16072), (540, 16081), (541, 16084), (545, 16096), (546, 16099), (554, 16111), (559, 16123), (571, 16144), (576, 16153), (583, 16162), (604, 16207), (606, 16210), (609, 16216), (631, 16252), (635, 16258),

Gene: MosMoris_47 Start: 25618, Stop: 26580, Start Num: 70

Candidate Starts for MosMoris_47:

(Start: 70 @25618 has 85 MA's), (159, 25750), (174, 25774), (180, 25783), (182, 25789), (185, 25798), (196, 25822), (201, 25831), (206, 25843), (279, 25969), (321, 26050), (332, 26065), (336, 26071), (429, 26179), (514, 26305), (516, 26311), (552, 26386), (593, 26461), (596, 26467), (605, 26479), (607, 26482), (657, 26569), (658, 26572), (659, 26575),

Gene: Mowgli_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Mowgli_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: MrMagoo_31 Start: 22001, Stop: 22912, Start Num: 66

Candidate Starts for MrMagoo_31:

(Start: 66 @22001 has 21 MA's), (72, 22010), (Start: 108 @22064 has 38 MA's), (131, 22100), (135, 22103), (150, 22121), (159, 22136), (194, 22205), (196, 22208), (329, 22433), (332, 22436), (351, 22466), (438, 22553), (514, 22673), (538, 22727), (542, 22742), (562, 22775), (646, 22898),

Gene: MsGreen_18 Start: 16490, Stop: 17380, Start Num: 70

Candidate Starts for MsGreen_18:

(Start: 70 @16490 has 85 MA's), (90, 16514), (Start: 119 @16559 has 6 MA's), (127, 16574), (Start: 145 @16595 has 14 MA's), (196, 16691), (285, 16826), (290, 16835), (329, 16895), (332, 16898), (336, 16904), (389, 16976), (429, 17009), (442, 17021), (491, 17084), (515, 17138), (525, 17159), (544, 17210), (571, 17252), (647, 17363), (649, 17366),

Gene: Muddy_20 Start: 15099, Stop: 16211, Start Num: 36

Candidate Starts for Muddy_20:

(Start: 36 @15099 has 4 MA's), (44, 15147), (118, 15255), (124, 15264), (169, 15333), (182, 15360), (265, 15507), (334, 15615), (390, 15690), (396, 15699), (414, 15735), (464, 15804), (490, 15846), (513, 15891), (516, 15900), (544, 15957), (601, 16062), (661, 16173),

Gene: Mufasa_18 Start: 13909, Stop: 15036, Start Num: 35

Candidate Starts for Mufasa_18:

(Start: 35 @13909 has 11 MA's), (38, 13918), (80, 14020), (142, 14110), (167, 14152), (181, 14179), (230, 14272), (232, 14278), (273, 14341), (292, 14380), (332, 14434), (390, 14512), (417, 14563), (431, 14587), (471, 14665), (496, 14683), (513, 14713), (535, 14755), (537, 14758), (590, 14872), (640, 14950), (648, 14965), (663, 15004), (668, 15022),

Gene: Mulch_21 Start: 16293, Stop: 17354, Start Num: 76

Candidate Starts for Mulch_21:

(Start: 76 @16293 has 18 MA's), (Start: 111 @16338 has 15 MA's), (130, 16368), (190, 16476), (274, 16626), (296, 16674), (356, 16758), (364, 16767), (394, 16809), (488, 16986), (505, 17019), (526, 17055), (626, 17250), (662, 17322), (663, 17325),

Gene: Mulciber_27 Start: 19730, Stop: 20752, Start Num: 71

Candidate Starts for Mulciber_27:

(Start: 71 @19730 has 224 MA's), (Start: 108 @19787 has 38 MA's), (159, 19862), (234, 19991), (265, 20051), (297, 20111), (306, 20117), (332, 20159), (364, 20204), (368, 20210), (418, 20294), (439, 20327), (571, 20609), (576, 20618), (585, 20633), (622, 20699),

Gene: Munch_27 Start: 19736, Stop: 20758, Start Num: 71

Candidate Starts for Munch_27:

(Start: 71 @19736 has 224 MA's), (Start: 108 @19793 has 38 MA's), (159, 19868), (234, 19997), (265, 20057), (297, 20117), (306, 20123), (332, 20165), (364, 20210), (368, 20216), (418, 20300), (439, 20333), (571, 20615), (576, 20624), (585, 20639), (622, 20705),

Gene: MunkgeeRoachy_17 Start: 14812, Stop: 15783, Start Num: 114

Candidate Starts for MunkgeeRoachy_17:

(Start: 114 @14812 has 61 MA's), (144, 14857), (156, 14878), (190, 14941), (201, 14965), (217, 14995), (239, 15034), (272, 15073), (277, 15082), (278, 15085), (311, 15151), (342, 15199), (375, 15241), (404, 15289), (462, 15400), (469, 15415), (471, 15418), (483, 15436), (486, 15442), (506, 15487), (517, 15514), (528, 15532), (545, 15583), (546, 15586), (562, 15616), (567, 15625), (576, 15640), (598, 15685), (606, 15697), (639, 15745), (652, 15769), (654, 15775),

Gene: Murp_18 Start: 15861, Stop: 16721, Start Num: 89

Candidate Starts for Murp_18:

(Start: 89 @15861 has 29 MA's), (186, 16017), (230, 16098), (306, 16197), (392, 16305), (447, 16389), (496, 16455), (499, 16461), (578, 16590), (603, 16632),

Gene: Murucutumbu_22 Start: 15969, Stop: 17105, Start Num: 33

Candidate Starts for Murucutumbu_22:

(Start: 33 @15969 has 231 MA's), (80, 16086), (Start: 155 @16197 has 1 MA's), (167, 16218), (181, 16245), (233, 16347), (332, 16500), (392, 16581), (445, 16671), (513, 16782), (535, 16824), (580, 16917), (590, 16941), (648, 17034), (663, 17073), (668, 17091),

Gene: Mutzi_32 Start: 25361, Stop: 26293, Start Num: 99

Candidate Starts for Mutzi_32:

(Start: 99 @25361 has 32 MA's), (165, 25457), (201, 25526), (203, 25532), (210, 25544), (212, 25547), (217, 25556), (228, 25571), (334, 25745), (357, 25778), (360, 25781), (462, 25928), (533, 26063), (545, 26099), (567, 26141), (608, 26216), (623, 26237), (653, 26288),

Gene: Mynx_22 Start: 16034, Stop: 17170, Start Num: 33

Candidate Starts for Mynx_22:

(Start: 33 @16034 has 231 MA's), (80, 16151), (142, 16241), (Start: 155 @16262 has 1 MA's), (167, 16283), (181, 16310), (332, 16565), (392, 16646), (433, 16721), (445, 16736), (513, 16847), (535, 16889), (580, 16982), (590, 17006), (648, 17099), (663, 17138), (668, 17156),

Gene: Myxus_28 Start: 20527, Stop: 21540, Start Num: 71

Candidate Starts for Myxus_28:

(Start: 71 @20527 has 224 MA's), (86, 20545), (127, 20602), (143, 20620), (164, 20656), (265, 20836), (285, 20872), (306, 20902), (332, 20944), (432, 21103), (502, 21247), (529, 21310), (564, 21385), (571, 21397), (585, 21421),

Gene: NaSiaTalie_27 Start: 19198, Stop: 20214, Start Num: 71

Candidate Starts for NaSiaTalie_27:

(Start: 71 @19198 has 224 MA's), (127, 19273), (143, 19291), (164, 19327), (183, 19366), (285, 19543), (306, 19573), (329, 19612), (332, 19615), (571, 20071), (585, 20095),

Gene: Naca_23 Start: 18502, Stop: 19515, Start Num: 78

Candidate Starts for Naca_23:

(Start: 78 @18502 has 85 MA's), (143, 18598), (163, 18631), (164, 18634), (183, 18673), (265, 18808), (281, 18838), (297, 18868), (306, 18874), (313, 18892), (332, 18916), (361, 18958), (571, 19372), (622, 19462),

Gene: Nadeem_21 Start: 16293, Stop: 17354, Start Num: 76

Candidate Starts for Nadeem_21:

(Start: 76 @16293 has 18 MA's), (Start: 111 @16338 has 15 MA's), (130, 16368), (190, 16476), (274, 16626), (296, 16674), (356, 16758), (364, 16767), (394, 16809), (488, 16986), (505, 17019), (526, 17055), (626, 17250), (662, 17322), (663, 17325),

Gene: NadineRae_40 Start: 26218, Stop: 27138, Start Num: 100

Candidate Starts for NadineRae_40:

(Start: 100 @26218 has 8 MA's), (152, 26299), (178, 26344), (209, 26413), (282, 26539), (306, 26581), (370, 26665), (401, 26716), (426, 26749), (543, 26947), (550, 26965), (580, 27007), (636, 27103), (648, 27124),

Gene: Naiad_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Naiad_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: Nairb_18 Start: 16018, Stop: 16983, Start Num: 63

Candidate Starts for Nairb_18:

(Start: 63 @16018 has 7 MA's), (Start: 84 @16045 has 25 MA's), (Start: 93 @16063 has 57 MA's), (203, 16240), (204, 16243), (249, 16318), (285, 16384), (294, 16411), (329, 16468), (336, 16477), (515, 16714), (527, 16738), (576, 16837), (586, 16858), (594, 16879), (618, 16918), (623, 16927),

Gene: Naji_30 Start: 19042, Stop: 20052, Start Num: 71

Candidate Starts for Naji_30:

(Start: 71 @19042 has 224 MA's), (Start: 108 @19096 has 38 MA's), (127, 19117), (143, 19135), (240, 19306), (306, 19417), (329, 19456), (332, 19459), (364, 19504), (529, 19822), (564, 19897), (571, 19909), (585, 19933), (622, 19999),

Gene: Nancinator_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Nancinator_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: NancyRae_21 Start: 16299, Stop: 17360, Start Num: 76

Candidate Starts for NancyRae_21:

(Start: 76 @16299 has 18 MA's), (Start: 111 @16344 has 15 MA's), (130, 16374), (190, 16482), (274, 16632), (296, 16680), (356, 16764), (364, 16773), (394, 16815), (488, 16992), (505, 17025), (526, 17061), (626, 17256), (662, 17328), (663, 17331),

Gene: Nanosmite_31 Start: 21873, Stop: 22784, Start Num: 66

Candidate Starts for Nanosmite_31:

(Start: 66 @21873 has 21 MA's), (135, 21975), (150, 21993), (159, 22008), (194, 22077), (201, 22089), (257, 22167), (281, 22215), (329, 22305), (332, 22308), (380, 22377), (429, 22419), (502, 22512), (508, 22530), (523, 22566), (538, 22599), (562, 22647), (616, 22722), (623, 22734),

Gene: NatB6_40 Start: 28930, Stop: 29871, Start Num: 96

Candidate Starts for NatB6_40:

(Start: 96 @28930 has 26 MA's), (152, 29017), (190, 29092), (Start: 226 @29158 has 1 MA's), (249, 29200), (282, 29257), (426, 29470), (447, 29497), (513, 29608), (580, 29740), (636, 29836),

Gene: Natkenzie_34 Start: 29777, Stop: 30754, Start Num: 84

Candidate Starts for Natkenzie_34:

(Start: 84 @29777 has 25 MA's), (136, 29852), (144, 29864), (165, 29900), (183, 29936), (237, 30038), (284, 30092), (334, 30164), (379, 30227), (386, 30236), (418, 30293), (437, 30326), (452, 30359), (453, 30362), (486, 30419), (538, 30515), (549, 30548), (555, 30557), (568, 30578), (586, 30605), (595, 30626), (601, 30635), (605, 30641), (625, 30674), (627, 30677), (660, 30731), (664, 30743),

Gene: Natosaleda_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Natosaleda_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: NearlyHeadless_23 Start: 17651, Stop: 18673, Start Num: 78

Candidate Starts for NearlyHeadless_23:

(Start: 78 @17651 has 85 MA's), (159, 17774), (163, 17780), (196, 17852), (265, 17957), (279, 17984), (332, 18074), (451, 18275), (462, 18305), (463, 18308), (564, 18518), (586, 18557), (611, 18605), (622, 18620),

Gene: Nebkiss_14 Start: 13326, Stop: 14438, Start Num: 46

Candidate Starts for Nebkiss_14:

(Start: 46 @13326 has 2 MA's), (49, 13329), (Start: 114 @13422 has 61 MA's), (118, 13428), (147, 13473), (165, 13503), (180, 13530), (181, 13533), (183, 13539), (190, 13554), (191, 13557), (230, 13626), (232, 13632), (273, 13710), (306, 13767), (332, 13803), (381, 13869), (390, 13881), (445, 13983), (447, 13986), (456, 14013), (490, 14076), (535, 14157), (538, 14163), (562, 14220), (580, 14250), (587, 14265), (601, 14289), (605, 14295), (640, 14352), (668, 14424),

Gene: Nebulosus_29 Start: 18119, Stop: 19096, Start Num: 74

Candidate Starts for Nebulosus_29:

(Start: 74 @18119 has 22 MA's), (159, 18233), (163, 18239), (164, 18242), (292, 18476), (460, 18743), (498, 18797), (571, 18953),

Gene: Nedarya_28 Start: 18765, Stop: 19742, Start Num: 73

Candidate Starts for Nedarya_28:

(Start: 73 @18765 has 1 MA's), (163, 18885), (194, 18954), (196, 18957), (234, 19008), (292, 19122), (466, 19401), (571, 19599), (576, 19608), (622, 19689),

Gene: Neeharika16_30 Start: 18959, Stop: 19972, Start Num: 71

Candidate Starts for Neeharika16_30:

(Start: 71 @18959 has 224 MA's), (Start: 108 @19013 has 38 MA's), (143, 19052), (196, 19157), (285, 19304), (306, 19334), (329, 19373), (332, 19376), (364, 19421), (403, 19481), (502, 19679), (571, 19829), (576, 19838),

Gene: Neighly_20 Start: 16168, Stop: 17298, Start Num: 37

Candidate Starts for Neighly_20:

(Start: 37 @16168 has 23 MA's), (124, 16342), (165, 16408), (181, 16438), (232, 16537), (292, 16639), (332, 16693), (357, 16723), (381, 16759), (383, 16762), (390, 16771), (431, 16846), (433, 16849), (453, 16885), (471, 16927), (496, 16945), (499, 16951), (513, 16975), (514, 16978), (535, 17017),

(585, 17119), (648, 17227), (663, 17266), (668, 17284),

Gene: Neoh_17 Start: 15469, Stop: 16641, Start Num: 33

Candidate Starts for Neoh_17:

(5, 15136), (Start: 33 @15469 has 231 MA's), (80, 15589), (Start: 93 @15607 has 57 MA's), (124, 15652), (127, 15658), (165, 15721), (183, 15757), (218, 15826), (220, 15829), (232, 15850), (270, 15904), (292, 15949), (311, 15979), (390, 16081), (399, 16093), (404, 16105), (412, 16123), (496, 16288), (513, 16318), (526, 16336), (535, 16360), (591, 16480), (648, 16570), (661, 16603),

Gene: Nergal_21 Start: 15940, Stop: 17028, Start Num: 41

Candidate Starts for Nergal_21:

(Start: 41 @15940 has 1 MA's), (49, 15961), (147, 16105), (165, 16135), (176, 16153), (181, 16165), (201, 16210), (233, 16267), (273, 16312), (381, 16471), (390, 16483), (400, 16498), (412, 16525), (440, 16573), (463, 16615), (483, 16645), (499, 16678), (504, 16690), (535, 16747), (546, 16783), (571, 16825), (590, 16864), (617, 16912), (628, 16927), (640, 16945), (661, 16993), (662, 16996),

Gene: Nette_18 Start: 15837, Stop: 16802, Start Num: 63

Candidate Starts for Nette_18:

(Start: 63 @15837 has 7 MA's), (Start: 84 @15864 has 25 MA's), (Start: 93 @15882 has 57 MA's), (204, 16062), (249, 16137), (294, 16230), (329, 16287), (336, 16296), (416, 16380), (527, 16557), (532, 16572), (544, 16605), (576, 16656), (594, 16698), (618, 16737), (623, 16746),

Gene: Netyap_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for Netyap_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Neville_27 Start: 22392, Stop: 23303, Start Num: 68

Candidate Starts for Neville_27:

(Start: 59 @22377 has 11 MA's), (Start: 68 @22392 has 28 MA's), (Start: 108 @22449 has 38 MA's), (127, 22479), (181, 22557), (196, 22593), (247, 22668), (263, 22701), (285, 22737), (328, 22818), (329, 22821), (348, 22848), (351, 22854), (374, 22881), (438, 22941), (442, 22947), (514, 23070), (515, 23073), (525, 23094), (538, 23124), (540, 23133), (562, 23172), (564, 23175), (588, 23217), (603, 23232), (607, 23238), (620, 23256), (629, 23271),

Gene: Newrala_30 Start: 18959, Stop: 19972, Start Num: 71

Candidate Starts for Newrala_30:

(Start: 71 @18959 has 224 MA's), (Start: 108 @19013 has 38 MA's), (143, 19052), (196, 19157), (285, 19304), (306, 19334), (329, 19373), (332, 19376), (364, 19421), (403, 19481), (502, 19679), (571, 19829), (576, 19838),

Gene: Nibb_21 Start: 15295, Stop: 16431, Start Num: 33

Candidate Starts for Nibb_21:

(Start: 33 @15295 has 231 MA's), (80, 15412), (Start: 93 @15430 has 57 MA's), (142, 15502), (Start: 155 @15523 has 1 MA's), (181, 15571), (292, 15772), (369, 15871), (381, 15892), (431, 15979), (471, 16060), (535, 16150), (537, 16153), (580, 16243), (648, 16360), (660, 16387), (663, 16399), (668, 16417),

Gene: Nibbles_19 Start: 15745, Stop: 16710, Start Num: 114

Candidate Starts for Nibbles_19:

(Start: 114 @15745 has 61 MA's), (144, 15790), (165, 15826), (177, 15847), (190, 15874), (217, 15928), (255, 15985), (272, 16009), (277, 16018), (278, 16021), (311, 16090), (342, 16138), (404, 16228), (414, 16243), (447, 16282), (517, 16438), (545, 16504), (546, 16507), (548, 16510), (562, 16537), (567, 16546), (583, 16570), (596, 16603), (608, 16621), (635, 16666), (652, 16696), (654, 16702),

Gene: Nicholas_18 Start: 16490, Stop: 17380, Start Num: 70

Candidate Starts for Nicholas_18:

(Start: 70 @16490 has 85 MA's), (90, 16514), (Start: 119 @16559 has 6 MA's), (127, 16574), (Start: 145 @16595 has 14 MA's), (196, 16691), (285, 16826), (290, 16835), (329, 16895), (332, 16898), (336, 16904), (389, 16976), (429, 17009), (442, 17021), (491, 17084), (515, 17138), (525, 17159), (544, 17210), (571, 17252), (647, 17363), (649, 17366),

Gene: Nicholasp3_17 Start: 16079, Stop: 16993, Start Num: 70

Candidate Starts for Nicholasp3_17:

(Start: 70 @16079 has 85 MA's), (90, 16103), (Start: 108 @16133 has 38 MA's), (189, 16259), (237, 16331), (328, 16484), (329, 16487), (332, 16490), (351, 16520), (416, 16577), (429, 16601), (438, 16607), (491, 16676), (502, 16694), (509, 16715), (533, 16769), (538, 16781), (571, 16844), (647, 16973), (654, 16985),

Gene: NicoleTera_31 Start: 21002, Stop: 22015, Start Num: 71

Candidate Starts for NicoleTera_31:

(Start: 71 @21002 has 224 MA's), (86, 21020), (143, 21095), (164, 21131), (183, 21170), (306, 21377), (329, 21416), (332, 21419), (364, 21464), (403, 21524), (480, 21683), (571, 21872),

Gene: Nikao_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for Nikao_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: Niklas_22 Start: 15378, Stop: 16517, Start Num: 33

Candidate Starts for Niklas_22:

(Start: 33 @15378 has 231 MA's), (80, 15498), (142, 15588), (181, 15657), (232, 15756), (233, 15759), (292, 15858), (332, 15912), (392, 15993), (433, 16068), (445, 16083), (499, 16170), (513, 16194), (535, 16236), (537, 16239), (557, 16290), (580, 16329), (628, 16413), (640, 16431), (648, 16446), (663, 16485), (668, 16503),

Gene: Nina_18 Start: 15806, Stop: 16777, Start Num: 114

Candidate Starts for Nina_18:

(Start: 114 @15806 has 61 MA's), (144, 15851), (156, 15872), (190, 15935), (201, 15959), (217, 15989), (239, 16028), (272, 16067), (277, 16076), (278, 16079), (311, 16145), (342, 16193), (375, 16235), (404, 16283), (437, 16334), (462, 16394), (469, 16409), (471, 16412), (483, 16430), (486, 16436), (506, 16481), (517, 16508), (528, 16526), (545, 16577), (546, 16580), (562, 16610), (567, 16619), (576, 16634), (606, 16691), (639, 16739), (652, 16763), (654, 16769),

Gene: NoShow_17 Start: 14354, Stop: 15487, Start Num: 36

Candidate Starts for NoShow_17:

(Start: 36 @14354 has 4 MA's), (44, 14402), (Start: 106 @14507 has 1 MA's), (123, 14531), (180, 14624), (247, 14753), (334, 14888), (381, 14954), (390, 14966), (396, 14975), (431, 15041), (475, 15101), (476, 15104), (490, 15125), (501, 15146), (513, 15170), (516, 15179), (537, 15212), (543, 15233), (619, 15371), (650, 15422), (661, 15452), (663, 15458),

Gene: Nodigi_19 Start: 14799, Stop: 15758, Start Num: 114

Candidate Starts for Nodigi_19:

(Start: 114 @14799 has 61 MA's), (128, 14820), (147, 14850), (277, 15069), (327, 15165), (342, 15186), (375, 15228), (404, 15276), (425, 15291), (450, 15345), (462, 15378), (546, 15561), (548, 15564), (562, 15591), (567, 15600), (571, 15606), (583, 15624), (596, 15657), (602, 15666), (606, 15672), (635, 15714), (641, 15723), (652, 15744), (654, 15750),

Gene: Nordenberg_28 Start: 28984, Stop: 29940, Start Num: 93

Candidate Starts for Nordenberg_28:

(Start: 93 @28984 has 57 MA's), (203, 29170), (210, 29182), (228, 29209), (238, 29230), (280, 29290), (334, 29380), (360, 29416), (384, 29449), (394, 29464), (401, 29476), (425, 29506), (431, 29512), (462, 29572), (513, 29662), (548, 29752), (561, 29776), (567, 29788), (602, 29854), (629, 29893), (637, 29905),

Gene: Norvs_48 Start: 28708, Stop: 29595, Start Num: 87

Candidate Starts for Norvs_48:

(Start: 87 @28708 has 24 MA's), (Start: 91 @28714 has 13 MA's), (123, 28762), (142, 28789), (182, 28861), (215, 28927), (232, 28957), (312, 29065), (390, 29158), (405, 29182), (411, 29197), (471, 29293), (513, 29341), (611, 29521), (634, 29557),

Gene: NosilaM_43 Start: 29537, Stop: 30454, Start Num: 97

Candidate Starts for NosilaM_43:

(Start: 97 @29537 has 6 MA's), (152, 29618), (173, 29654), (249, 29801), (401, 30035), (422, 30062), (513, 30206), (529, 30224), (580, 30323), (636, 30419), (640, 30425), (648, 30440),

Gene: NothingSpecial_29 Start: 21202, Stop: 22212, Start Num: 71

Candidate Starts for NothingSpecial_29:

(Start: 71 @21202 has 224 MA's), (143, 21295), (164, 21331), (183, 21370), (306, 21577), (329, 21616), (332, 21619), (364, 21664), (529, 21982), (564, 22057), (571, 22069), (585, 22093), (622, 22159),

Gene: November_20 Start: 16335, Stop: 17471, Start Num: 33

Candidate Starts for November_20:

(Start: 33 @16335 has 231 MA's), (80, 16452), (Start: 93 @16470 has 57 MA's), (Start: 116 @16503 has 15 MA's), (142, 16542), (181, 16611), (234, 16716), (292, 16812), (332, 16866), (381, 16932), (390, 16944), (471, 17100), (499, 17124), (535, 17190), (537, 17193), (538, 17196), (580, 17283), (648, 17400), (668, 17457),

Gene: NovoPizza_19 Start: 16611, Stop: 17699, Start Num: 68

Candidate Starts for NovoPizza_19:

(Start: 68 @16611 has 28 MA's), (75, 16620), (142, 16716), (160, 16746), (180, 16782), (181, 16785), (183, 16791), (284, 16974), (289, 16983), (296, 17004), (299, 17010), (397, 17145), (407, 17163), (452, 17247), (484, 17313), (492, 17331), (518, 17385), (562, 17484), (564, 17487), (580, 17514), (601, 17553), (650, 17631),

Gene: NovumRegina_40 Start: 29260, Stop: 30201, Start Num: 96

Candidate Starts for NovumRegina_40:

(Start: 96 @29260 has 26 MA's), (152, 29347), (190, 29422), (Start: 226 @29488 has 1 MA's), (249, 29530), (282, 29587), (426, 29800), (447, 29827), (513, 29938), (580, 30070), (636, 30166),

Gene: Nubi_30 Start: 24922, Stop: 25866, Start Num: 99

Candidate Starts for Nubi_30:

(Start: 99 @24922 has 32 MA's), (165, 25027), (201, 25096), (203, 25102), (217, 25126), (228, 25141), (462, 25501), (469, 25516), (485, 25534), (533, 25636), (548, 25678), (567, 25714), (623, 25810), (653, 25861),

Gene: Nutello_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for Nutello_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: Nyceirae_22 Start: 17929, Stop: 18777, Start Num: 87

Candidate Starts for Nyceirae_22:

(Start: 87 @17929 has 24 MA's), (Start: 105 @17938 has 1 MA's), (Start: 119 @17959 has 6 MA's), (121, 17962), (190, 18085), (222, 18145), (230, 18157), (303, 18253), (306, 18256), (332, 18292), (422, 18421), (512, 18541), (529, 18562), (545, 18613), (573, 18649), (605, 18703),

Gene: OBUpride_21 Start: 16309, Stop: 17403, Start Num: 68

Candidate Starts for OBUpride_21:

(Start: 68 @16309 has 28 MA's), (75, 16318), (142, 16414), (147, 16423), (153, 16432), (181, 16483), (183, 16489), (234, 16585), (243, 16603), (284, 16672), (289, 16681), (296, 16702), (299, 16708), (302, 16714), (305, 16717), (356, 16789), (359, 16792), (451, 16948), (477, 16999), (484, 17017), (518, 17089), (529, 17107), (564, 17191), (580, 17218), (583, 17221), (601, 17257), (611, 17275), (640, 17317), (648, 17332), (650, 17335), (661, 17365), (663, 17371),

Gene: ODay_23 Start: 17611, Stop: 18537, Start Num: 108

Candidate Starts for ODay_23:

(Start: 106 @17608 has 1 MA's), (Start: 108 @17611 has 38 MA's), (144, 17668), (202, 17770), (208, 17782), (225, 17806), (232, 17815), (233, 17818), (234, 17821), (278, 17884), (305, 17917), (320, 17938), (337, 17953), (378, 18013), (388, 18025), (404, 18049), (425, 18076), (426, 18079), (449, 18109), (471, 18163), (484, 18187), (517, 18268), (537, 18310), (538, 18313), (540, 18322), (541, 18325), (545, 18337), (546, 18340), (554, 18352), (559, 18364), (571, 18385), (576, 18394), (583, 18403), (606, 18451), (631, 18493), (635, 18499),

Gene: ObLaDi_18 Start: 15622, Stop: 16530, Start Num: 64

Candidate Starts for ObLaDi_18:

(Start: 64 @15622 has 6 MA's), (86, 15649), (Start: 106 @15682 has 1 MA's), (175, 15784), (186, 15811), (196, 15835), (285, 15970), (295, 16000), (328, 16036), (332, 16042), (339, 16051), (390, 16129), (429, 16159), (438, 16165), (446, 16180), (508, 16285), (538, 16351), (590, 16450), (613, 16477), (620, 16483), (643, 16519),

Gene: Obliviate_17 Start: 15583, Stop: 16443, Start Num: 89

Candidate Starts for Obliviate_17:

(Start: 85 @15577 has 15 MA's), (Start: 89 @15583 has 29 MA's), (186, 15739), (230, 15820), (306, 15919), (392, 16027), (447, 16111), (496, 16177), (529, 16222), (578, 16312), (603, 16354),

Gene: OctaviousRex_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for OctaviousRex_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Octobien14_27 Start: 21830, Stop: 22741, Start Num: 68

Candidate Starts for Octobien14_27:

(Start: 68 @21830 has 28 MA's), (80, 21845), (181, 21995), (196, 22031), (263, 22139), (313, 22238), (328, 22256), (332, 22262), (348, 22286), (438, 22379), (513, 22505), (515, 22511), (525, 22532), (537, 22559), (564, 22613), (588, 22655), (618, 22691), (629, 22709),

Gene: Odin_26 Start: 17954, Stop: 18964, Start Num: 71

Candidate Starts for Odin_26:

(Start: 71 @17954 has 224 MA's), (127, 18029), (143, 18047), (164, 18083), (306, 18329), (329, 18368), (332, 18371), (364, 18416), (418, 18506), (480, 18632), (529, 18734), (571, 18821), (585, 18845), (622, 18911),

Gene: OhShagHennessy_17 Start: 15830, Stop: 16711, Start Num: 70

Candidate Starts for OhShagHennessy_17:

(45, 15776), (47, 15779), (Start: 59 @15812 has 11 MA's), (Start: 70 @15830 has 85 MA's), (90, 15854), (Start: 108 @15884 has 38 MA's), (Start: 119 @15899 has 6 MA's), (Start: 145 @15932 has 14 MA's), (237, 16076), (281, 16157), (329, 16232), (332, 16235), (336, 16241), (368, 16286), (389, 16313), (429, 16346), (438, 16352), (459, 16385), (463, 16394), (491, 16421), (542, 16541), (571, 16589), (588, 16616), (620, 16655), (623, 16661), (647, 16700),

Gene: OkiRoe_20 Start: 16324, Stop: 17454, Start Num: 37

Candidate Starts for OkiRoe_20:

(Start: 37 @16324 has 23 MA's), (165, 16564), (167, 16567), (181, 16594), (232, 16693), (292, 16795), (332, 16849), (357, 16879), (381, 16915), (383, 16918), (390, 16927), (431, 17002), (433, 17005), (453, 17041), (471, 17083), (496, 17101), (499, 17107), (513, 17131), (514, 17134), (516, 17140), (535, 17173), (648, 17383), (663, 17422), (668, 17440),

Gene: Olga_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Olga_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: OmniCritical_23 Start: 17398, Stop: 18531, Start Num: 33

Candidate Starts for OmniCritical_23:

(Start: 33 @17398 has 231 MA's), (38, 17416), (Start: 59 @17488 has 11 MA's), (80, 17518), (142, 17608), (167, 17650), (180, 17674), (233, 17779), (332, 17932), (386, 18001), (390, 18007), (471, 18160), (496, 18178), (513, 18208), (535, 18250), (537, 18253), (640, 18445), (648, 18460), (663, 18499), (668, 18517),

Gene: Omnicron_20 Start: 15090, Stop: 16220, Start Num: 37

Candidate Starts for Omnicron_20:

(Start: 37 @15090 has 23 MA's), (Start: 93 @15219 has 57 MA's), (124, 15264), (165, 15330), (167, 15333), (181, 15360), (200, 15402), (232, 15459), (292, 15561), (332, 15615), (357, 15645), (381, 15681), (390, 15693), (417, 15744), (431, 15768), (451, 15801), (471, 15849), (499, 15873), (513, 15897), (514, 15900), (535, 15939), (648, 16149), (663, 16188), (668, 16206),

Gene: OneUp_41 Start: 26148, Stop: 27029, Start Num: 89

Candidate Starts for OneUp_41:

(18, 25920), (20, 25944), (23, 25953), (Start: 89 @26148 has 29 MA's), (123, 26196), (182, 26295), (189, 26310), (271, 26427), (349, 26538), (390, 26592), (405, 26616), (411, 26631), (469, 26724), (471, 26727), (494, 26742), (513, 26775), (603, 26940), (632, 26988), (634, 26991),

Gene: Onglai_27 Start: 18861, Stop: 19874, Start Num: 71

Candidate Starts for Onglai_27:

(Start: 71 @18861 has 224 MA's), (86, 18879), (127, 18936), (143, 18954), (164, 18990), (265, 19170), (285, 19206), (306, 19236), (332, 19278), (432, 19437), (502, 19581), (529, 19644), (564, 19719), (571, 19731), (585, 19755),

Gene: Oofda_29 Start: 18093, Stop: 19070, Start Num: 74

Candidate Starts for Oofda_29:

(Start: 74 @18093 has 22 MA's), (159, 18207), (163, 18213), (164, 18216), (292, 18450), (460, 18717), (498, 18771), (571, 18927),

Gene: Opie_18 Start: 16062, Stop: 16988, Start Num: 111

Candidate Starts for Opie_18:

(40, 15930), (Start: 94 @16044 has 5 MA's), (Start: 111 @16062 has 15 MA's), (Start: 119 @16071 has 6 MA's), (147, 16113), (Start: 155 @16125 has 1 MA's), (284, 16347), (307, 16392), (323, 16416), (330, 16422), (337, 16431), (342, 16437), (362, 16467), (386, 16497), (404, 16527), (406, 16533), (452, 16593), (453, 16596), (462, 16620), (497, 16677), (506, 16698), (571, 16833), (652, 16971),

Gene: Orange_27 Start: 19736, Stop: 20758, Start Num: 71

Candidate Starts for Orange_27:

(Start: 71 @19736 has 224 MA's), (Start: 108 @19793 has 38 MA's), (159, 19868), (234, 19997), (265, 20057), (297, 20117), (306, 20123), (332, 20165), (364, 20210), (368, 20216), (418, 20300), (439, 20333), (571, 20615), (576, 20624), (585, 20639), (622, 20705),

Gene: Orla_19 Start: 14803, Stop: 15762, Start Num: 114

Candidate Starts for Orla_19:

(65, 14728), (Start: 114 @14803 has 61 MA's), (128, 14824), (147, 14854), (277, 15073), (327, 15169), (342, 15190), (375, 15232), (404, 15280), (425, 15295), (450, 15349), (462, 15382), (546, 15565), (548, 15568), (562, 15595), (567, 15604), (571, 15610), (583, 15628), (596, 15661), (602, 15670), (606, 15676), (652, 15748), (654, 15754),

Gene: Oscar_21 Start: 15261, Stop: 16397, Start Num: 33

Candidate Starts for Oscar_21:

(Start: 33 @15261 has 231 MA's), (80, 15378), (Start: 93 @15396 has 57 MA's), (124, 15441), (Start: 155 @15489 has 1 MA's), (181, 15537), (292, 15738), (332, 15792), (369, 15837), (381, 15858), (412, 15912), (431, 15945), (445, 15963), (471, 16026), (535, 16116), (537, 16119), (557, 16170), (580, 16209), (648, 16326), (663, 16365), (668, 16383),

Gene: Outis_41 Start: 29510, Stop: 30433, Start Num: 96

Candidate Starts for Outis_41:

(Start: 96 @29510 has 26 MA's), (152, 29597), (173, 29633), (190, 29672), (422, 30041), (513, 30185), (580, 30302), (636, 30398), (640, 30404), (648, 30419),

Gene: OverPar_17 Start: 16106, Stop: 17020, Start Num: 70

Candidate Starts for OverPar_17:

(Start: 70 @16106 has 85 MA's), (90, 16130), (Start: 108 @16160 has 38 MA's), (189, 16286), (237, 16358), (328, 16511), (329, 16514), (332, 16517), (351, 16547), (416, 16604), (429, 16628), (438, 16634), (491, 16703), (502, 16721), (509, 16742), (533, 16796), (538, 16808), (571, 16871), (647, 17000), (654, 17012),

Gene: P1201_46 Start: 33556, Stop: 34458, Start Num: 85

Candidate Starts for P1201_46:

(Start: 85 @33556 has 15 MA's), (165, 33685), (209, 33775), (215, 33784), (227, 33802), (358, 34015), (387, 34057), (443, 34132), (450, 34150), (451, 34153), (457, 34174), (537, 34246), (546, 34279), (580, 34327),

Gene: P3MA_17 Start: 13196, Stop: 14293, Start Num: 48

Candidate Starts for P3MA_17:

(Start: 48 @13196 has 1 MA's), (Start: 93 @13280 has 57 MA's), (127, 13331), (165, 13391), (167, 13394), (176, 13409), (200, 13463), (245, 13547), (297, 13640), (301, 13649), (390, 13769), (412, 13811), (433, 13847), (451, 13874), (471, 13922), (496, 13940), (504, 13958), (513, 13970), (514, 13973), (533, 14003), (535, 14006), (538, 14012), (564, 14072), (611, 14162), (624, 14183), (640, 14207), (648, 14222), (661, 14255), (663, 14261), (669, 14285),

Gene: PCoral7_18 Start: 15883, Stop: 16743, Start Num: 87

Candidate Starts for PCoral7_18:

(Start: 87 @15883 has 24 MA's), (Start: 105 @15898 has 1 MA's), (124, 15928), (139, 15949), (186, 16039), (230, 16120), (390, 16324), (392, 16327), (529, 16522), (578, 16612), (603, 16654), (632, 16702), (636, 16708),

Gene: PP_36 Start: 24810, Stop: 25829, Start Num: 69

Candidate Starts for PP_36:

(Start: 69 @24810 has 1 MA's), (127, 24888), (Start: 145 @24909 has 14 MA's), (164, 24942), (183, 24981), (196, 25011), (285, 25158), (306, 25188), (332, 25230), (439, 25404), (452, 25434), (519, 25584), (550, 25647), (564, 25674), (571, 25686), (585, 25710),

Gene: PSonyx_16 Start: 16641, Stop: 17522, Start Num: 67

Candidate Starts for PSonyx_16:

(Start: 67 @16641 has 2 MA's), (246, 16932), (255, 16944), (265, 16968), (316, 17052), (336, 17079), (351, 17103), (371, 17127), (387, 17148), (418, 17166), (442, 17196), (510, 17283), (521, 17310), (585, 17430), (590, 17445), (623, 17484),

Gene: PYPDinur_17 Start: 15692, Stop: 16579, Start Num: 70

Candidate Starts for PYPDinur_17:

(Start: 70 @15692 has 85 MA's), (90, 15716), (Start: 106 @15743 has 1 MA's), (Start: 108 @15746 has 38 MA's), (Start: 119 @15761 has 6 MA's), (Start: 145 @15794 has 14 MA's), (196, 15890), (285, 16025), (290, 16034), (329, 16094), (332, 16097), (389, 16175), (418, 16190), (438, 16214), (459, 16247), (491, 16283), (504, 16307), (510, 16325), (514, 16334), (533, 16376), (542, 16403), (571, 16451), (588, 16478), (647, 16562),

Gene: Pace1224_17 Start: 15628, Stop: 16848, Start Num: 25

Candidate Starts for Pace1224_17:

(5, 15304), (Start: 25 @15628 has 1 MA's), (Start: 33 @15664 has 231 MA's), (80, 15790), (127, 15850), (142, 15874), (167, 15916), (169, 15919), (183, 15949), (220, 16021), (233, 16045), (239, 16060), (242, 16066), (265, 16105), (270, 16111), (369, 16255), (379, 16273), (394, 16294), (399, 16300), (409, 16324), (429, 16360), (513, 16525), (535, 16567), (538, 16573), (628, 16744), (661, 16810),

Gene: PackMan_28 Start: 20527, Stop: 21540, Start Num: 71

Candidate Starts for PackMan_28:

(Start: 71 @20527 has 224 MA's), (86, 20545), (127, 20602), (143, 20620), (164, 20656), (265, 20836), (285, 20872), (306, 20902), (332, 20944), (432, 21103), (502, 21247), (529, 21310), (564, 21385), (571, 21397), (585, 21421),

Gene: Padfoot_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Padfoot_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Padpat_22 Start: 16011, Stop: 17147, Start Num: 33

Candidate Starts for Padpat_22:

(Start: 33 @16011 has 231 MA's), (80, 16128), (142, 16218), (Start: 155 @16239 has 1 MA's), (167, 16260), (181, 16287), (332, 16542), (392, 16623), (433, 16698), (445, 16713), (513, 16824), (535, 16866), (580, 16959), (590, 16983), (648, 17076), (663, 17115), (668, 17133),

Gene: PainterBoy_28 Start: 19862, Stop: 20878, Start Num: 71

Candidate Starts for PainterBoy_28:

(Start: 71 @19862 has 224 MA's), (86, 19880), (143, 19955), (183, 20030), (225, 20093), (306, 20237), (329, 20276), (332, 20279), (390, 20366), (514, 20618), (519, 20633), (537, 20669), (571, 20735), (584, 20753), (585, 20759),

Gene: Paito_17 Start: 15610, Stop: 16782, Start Num: 33

Candidate Starts for Paito_17:

(Start: 33 @15610 has 231 MA's), (80, 15730), (Start: 93 @15748 has 57 MA's), (127, 15799), (142, 15823), (165, 15862), (180, 15889), (218, 15967), (220, 15970), (232, 15991), (270, 16045), (311, 16120), (390, 16222), (399, 16234), (496, 16429), (513, 16459), (526, 16477), (571, 16579), (661, 16744),

Gene: Paola_20 Start: 16323, Stop: 17453, Start Num: 37

Candidate Starts for Paola_20:

(Start: 37 @16323 has 23 MA's), (165, 16563), (167, 16566), (181, 16593), (232, 16692), (292, 16794), (332, 16848), (357, 16878), (381, 16914), (383, 16917), (390, 16926), (431, 17001), (433, 17004), (471, 17082), (496, 17100), (499, 17106), (513, 17130), (514, 17133), (516, 17139), (535, 17172), (648, 17382), (663, 17421), (668, 17439),

Gene: Parada_21 Start: 16293, Stop: 17354, Start Num: 76

Candidate Starts for Parada_21:

(Start: 76 @16293 has 18 MA's), (Start: 111 @16338 has 15 MA's), (130, 16368), (190, 16476), (274, 16626), (296, 16674), (356, 16758), (364, 16767), (394, 16809), (488, 16986), (505, 17019), (526, 17055), (626, 17250), (662, 17322), (663, 17325),

Gene: Paries_36 Start: 30450, Stop: 31406, Start Num: 93

Candidate Starts for Paries_36:

(Start: 93 @30450 has 57 MA's), (203, 30636), (210, 30648), (228, 30675), (238, 30696), (280, 30756), (331, 30843), (334, 30846), (360, 30882), (384, 30915), (394, 30930), (401, 30942), (425, 30972), (431, 30978), (462, 31038), (513, 31128), (548, 31218), (561, 31242), (567, 31254), (602, 31320), (629, 31359), (637, 31371),

Gene: Partridge_22 Start: 15513, Stop: 16385, Start Num: 78

Candidate Starts for Partridge_22:

(Start: 78 @15513 has 85 MA's), (101, 15552), (163, 15639), (194, 15708), (249, 15786), (332, 15924), (529, 16149), (535, 16167), (571, 16236), (649, 16374),

Gene: Patio_43 Start: 29772, Stop: 30689, Start Num: 96

Candidate Starts for Patio_43:

(Start: 96 @29772 has 26 MA's), (152, 29850), (190, 29925), (249, 30033), (297, 30117), (422, 30297), (426, 30303), (550, 30519), (580, 30558), (621, 30633), (630, 30645), (636, 30654), (648, 30675),

Gene: Patt_23 Start: 17231, Stop: 18364, Start Num: 33

Candidate Starts for Patt_23:

(Start: 33 @17231 has 231 MA's), (38, 17249), (Start: 59 @17321 has 11 MA's), (80, 17351), (142, 17441), (147, 17450), (167, 17483), (180, 17507), (233, 17612), (332, 17765), (386, 17834), (390, 17840), (471, 17993), (496, 18011), (513, 18041), (535, 18083), (537, 18086), (640, 18278), (648, 18293), (663, 18332), (668, 18350),

Gene: Peanam_22 Start: 15375, Stop: 16514, Start Num: 33

Candidate Starts for Peanam_22:

(Start: 33 @15375 has 231 MA's), (80, 15495), (142, 15585), (181, 15654), (232, 15753), (233, 15756), (292, 15855), (332, 15909), (392, 15990), (433, 16065), (445, 16080), (499, 16167), (513, 16191), (535, 16233), (537, 16236), (557, 16287), (580, 16326), (628, 16410), (640, 16428), (648, 16443), (663, 16482), (668, 16500),

Gene: Peeb_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Peeb_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Peel_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Peel_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: PegLeg_27 Start: 21456, Stop: 22367, Start Num: 66

Candidate Starts for PegLeg_27:

(Start: 66 @21456 has 21 MA's), (135, 21558), (150, 21576), (159, 21591), (196, 21663), (201, 21672), (257, 21750), (328, 21885), (329, 21888), (332, 21891), (380, 21960), (429, 22002), (438, 22008), (523, 22149), (533, 22170), (538, 22182), (616, 22305), (623, 22317),

Gene: Pemberton_44 Start: 26958, Stop: 27878, Start Num: 100

Candidate Starts for Pemberton_44:

(Start: 100 @26958 has 8 MA's), (152, 27039), (178, 27084), (209, 27153), (306, 27321), (370, 27405), (401, 27456), (426, 27489), (543, 27687), (550, 27705), (580, 27747), (632, 27837), (636, 27843), (648, 27864),

Gene: Periodt_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Periodt_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Periwinkle_21 Start: 15973, Stop: 16896, Start Num: 116

Candidate Starts for Periwinkle_21:

(Start: 116 @15973 has 15 MA's), (Start: 119 @15976 has 6 MA's), (128, 15988), (140, 16006), (169, 16051), (190, 16090), (210, 16129), (232, 16162), (234, 16168), (277, 16237), (305, 16291), (307, 16294), (309, 16297), (317, 16309), (337, 16333), (342, 16339), (352, 16357), (394, 16411), (401, 16423), (404, 16429), (422, 16450), (452, 16495), (453, 16498), (459, 16516), (462, 16522), (469,

16537), (471, 16540), (545, 16693), (546, 16696), (550, 16702), (571, 16735), (583, 16753), (596, 16786), (631, 16837), (641, 16852), (658, 16888),

Gene: Petersenfast_26 Start: 19733, Stop: 20755, Start Num: 71

Candidate Starts for Petersenfast_26:

(Start: 71 @19733 has 224 MA's), (Start: 108 @19790 has 38 MA's), (159, 19865), (234, 19994), (265, 20054), (297, 20114), (306, 20120), (332, 20162), (364, 20207), (368, 20213), (418, 20297), (439, 20330), (571, 20612), (576, 20621), (585, 20636), (622, 20702),

Gene: PeteyPab_32 Start: 28461, Stop: 29327, Start Num: 85

Candidate Starts for PeteyPab_32:

(Start: 85 @28461 has 15 MA's), (102, 28485), (131, 28530), (165, 28590), (184, 28629), (235, 28725), (332, 28887), (358, 28920), (422, 28995), (443, 29019), (554, 29160), (580, 29196), (591, 29223), (628, 29280),

Gene: Petra_20 Start: 16194, Stop: 17054, Start Num: 89

Candidate Starts for Petra_20:

(Start: 85 @16188 has 15 MA's), (Start: 89 @16194 has 29 MA's), (170, 16311), (186, 16350), (230, 16431), (306, 16530), (392, 16638), (447, 16722), (496, 16788), (499, 16794), (578, 16923), (603, 16965),

Gene: PetterN_24 Start: 17936, Stop: 18949, Start Num: 78

Candidate Starts for PetterN_24:

(Start: 78 @17936 has 85 MA's), (163, 18065), (164, 18068), (183, 18107), (281, 18272), (297, 18302), (306, 18308), (313, 18326), (332, 18350), (361, 18392), (571, 18806), (622, 18896),

Gene: Ph8s_28 Start: 17912, Stop: 18922, Start Num: 71

Candidate Starts for Ph8s_28:

(Start: 71 @17912 has 224 MA's), (127, 17987), (143, 18005), (164, 18041), (306, 18287), (329, 18326), (332, 18329), (418, 18464), (463, 18557), (480, 18590), (537, 18713), (552, 18743), (571, 18779), (585, 18803),

Gene: Phabuloso_19 Start: 15505, Stop: 16425, Start Num: 119

Candidate Starts for Phabuloso_19:

(Start: 116 @15502 has 15 MA's), (Start: 119 @15505 has 6 MA's), (128, 15517), (140, 15535), (169, 15580), (190, 15619), (210, 15658), (232, 15691), (234, 15697), (277, 15766), (305, 15820), (307, 15823), (309, 15826), (317, 15838), (333, 15856), (337, 15862), (342, 15868), (352, 15886), (394, 15940), (401, 15952), (404, 15958), (422, 15979), (453, 16027), (459, 16045), (462, 16051), (469, 16066), (471, 16069), (545, 16222), (546, 16225), (550, 16231), (571, 16264), (583, 16282), (596, 16315), (631, 16366), (641, 16381), (658, 16417),

Gene: Phaded_30 Start: 21122, Stop: 22138, Start Num: 71

Candidate Starts for Phaded_30:

(Start: 71 @21122 has 224 MA's), (127, 21197), (143, 21215), (183, 21290), (265, 21431), (281, 21461), (306, 21497), (332, 21539), (392, 21629), (410, 21665), (418, 21680), (480, 21806), (519, 21893), (571, 21995), (585, 22019),

Gene: Phaeder_28 Start: 20527, Stop: 21540, Start Num: 71

Candidate Starts for Phaeder_28:

(Start: 71 @20527 has 224 MA's), (86, 20545), (127, 20602), (143, 20620), (164, 20656), (265, 20836), (285, 20872), (306, 20902), (332, 20944), (432, 21103), (502, 21247), (529, 21310), (564, 21385), (571, 21397), (585, 21421),

Gene: PhailMary_21 Start: 15802, Stop: 16674, Start Num: 78

Candidate Starts for PhailMary_21:

(Start: 78 @15802 has 85 MA's), (101, 15841), (163, 15928), (194, 15997), (249, 16075), (261, 16102), (332, 16213), (428, 16309), (529, 16438), (535, 16456), (571, 16525), (649, 16663),

Gene: Pharaoh_27 Start: 20243, Stop: 21259, Start Num: 71

Candidate Starts for Pharaoh_27:

(32, 20123), (Start: 71 @20243 has 224 MA's), (143, 20336), (164, 20372), (183, 20411), (189, 20423), (240, 20507), (297, 20612), (306, 20618), (329, 20657), (332, 20660), (403, 20768), (410, 20786), (515, 21002), (571, 21116),

Gene: Pharb_21 Start: 16291, Stop: 17427, Start Num: 33

Candidate Starts for Pharb_21:

(Start: 33 @16291 has 231 MA's), (80, 16414), (Start: 93 @16432 has 57 MA's), (124, 16477), (127, 16483), (147, 16513), (167, 16546), (220, 16651), (232, 16672), (234, 16678), (273, 16735), (292, 16774), (311, 16804), (381, 16891), (404, 16927), (496, 17074), (513, 17104), (516, 17113), (535, 17146), (537, 17149), (538, 17152), (564, 17212), (580, 17239), (630, 17326), (660, 17383), (661, 17389), (663, 17395),

Gene: Phauci_25 Start: 24740, Stop: 25726, Start Num: 84

Candidate Starts for Phauci_25:

(Start: 84 @24740 has 25 MA's), (165, 24863), (183, 24899), (214, 24959), (284, 25055), (365, 25166), (377, 25187), (437, 25289), (453, 25325), (565, 25541), (568, 25547), (577, 25562), (586, 25577), (605, 25613), (625, 25646), (627, 25649), (664, 25715),

Gene: PhelpsODU_21 Start: 15233, Stop: 16372, Start Num: 33

Candidate Starts for PhelpsODU_21:

(Start: 33 @15233 has 231 MA's), (80, 15353), (142, 15443), (181, 15512), (292, 15713), (332, 15767), (357, 15797), (445, 15938), (469, 15998), (496, 16019), (513, 16049), (535, 16091), (537, 16094), (538, 16097), (580, 16184), (590, 16208), (640, 16286), (648, 16301), (663, 16340), (668, 16358),

Gene: Phendrix_86 Start: 51239, Stop: 52195, Start Num: 81

Candidate Starts for Phendrix_86:

(Start: 81 @51239 has 2 MA's), (110, 51278), (171, 51383), (181, 51404), (203, 51455), (207, 51461), (229, 51494), (356, 51662), (377, 51692), (470, 51872), (503, 51926), (515, 51947), (537, 51986), (538, 51989), (545, 52016), (547, 52019), (551, 52025), (568, 52052), (582, 52070), (601, 52109), (629, 52154), (633, 52160), (635, 52163),

Gene: Phillis_23 Start: 17609, Stop: 18631, Start Num: 78

Candidate Starts for Phillis_23:

(Start: 78 @17609 has 85 MA's), (159, 17732), (163, 17738), (196, 17810), (265, 17915), (279, 17942), (332, 18032), (410, 18152), (451, 18233), (462, 18263), (463, 18266), (564, 18476), (586, 18515), (611, 18563), (622, 18578),

Gene: Phinally_32 Start: 28148, Stop: 29134, Start Num: 84

Candidate Starts for Phinally_32:

(Start: 84 @28148 has 25 MA's), (165, 28271), (183, 28307), (214, 28367), (284, 28463), (365, 28574), (377, 28595), (437, 28697), (448, 28718), (453, 28733), (486, 28790), (513, 28841), (565, 28949), (568, 28955), (577, 28970), (587, 28988), (605, 29021), (625, 29054), (627, 29057), (664, 29123),

Gene: PhinkBoden_47 Start: 29095, Stop: 29976, Start Num: 91

Candidate Starts for PhinkBoden_47:

(Start: 91 @29095 has 13 MA's), (123, 29143), (142, 29170), (182, 29242), (215, 29308), (232, 29338), (312, 29446), (390, 29539), (405, 29563), (411, 29578), (471, 29674), (513, 29722), (611, 29902), (634, 29938),

Gene: Phish_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Phish_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Phishy_21 Start: 17919, Stop: 18779, Start Num: 89

Candidate Starts for Phishy_21:

(Start: 89 @17919 has 29 MA's), (95, 17925), (Start: 119 @17961 has 6 MA's), (121, 17964), (180, 18063), (213, 18132), (222, 18147), (230, 18159), (303, 18255), (306, 18258), (310, 18267), (320, 18279), (332, 18294), (422, 18423), (512, 18543), (529, 18564), (605, 18705),

Gene: Phistory_20 Start: 16280, Stop: 17203, Start Num: 116

Candidate Starts for Phistory_20:

(Start: 116 @16280 has 15 MA's), (Start: 119 @16283 has 6 MA's), (128, 16295), (140, 16313), (169, 16358), (190, 16397), (210, 16436), (232, 16469), (234, 16475), (277, 16544), (305, 16598), (307, 16601), (309, 16604), (317, 16616), (342, 16646), (352, 16664), (394, 16718), (401, 16730), (404, 16736), (422, 16757), (453, 16805), (459, 16823), (462, 16829), (469, 16844), (471, 16847), (545, 17000), (546, 17003), (550, 17009), (571, 17042), (583, 17060), (596, 17093), (631, 17144), (641, 17159), (658, 17195),

Gene: Phlei_22 Start: 20737, Stop: 21756, Start Num: 71

Candidate Starts for Phlei_22:

(Start: 71 @20737 has 224 MA's), (143, 20833), (201, 20947), (285, 21085), (297, 21109), (306, 21115), (332, 21157), (361, 21199), (371, 21211), (392, 21247), (418, 21298), (439, 21331), (455, 21370), (576, 21622), (585, 21637), (622, 21703),

Gene: Phloodle_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Phloodle_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Phlop_30 Start: 25004, Stop: 25948, Start Num: 99

Candidate Starts for Phlop_30:

(Start: 99 @25004 has 32 MA's), (165, 25109), (201, 25178), (203, 25184), (217, 25208), (228, 25223), (462, 25583), (469, 25598), (485, 25616), (533, 25718), (548, 25760), (567, 25796), (623, 25892), (653, 25943),

Gene: Phlorence_23 Start: 18754, Stop: 19767, Start Num: 78

Candidate Starts for Phlorence_23:

(Start: 78 @18754 has 85 MA's), (143, 18850), (163, 18883), (164, 18886), (183, 18925), (204, 18973), (306, 19126), (313, 19144), (332, 19168), (361, 19210), (519, 19522), (571, 19624), (586, 19651), (622, 19714),

Gene: Phomeo_39 Start: 29529, Stop: 30470, Start Num: 96

Candidate Starts for Phomeo_39:

(Start: 96 @29529 has 26 MA's), (152, 29616), (190, 29691), (Start: 226 @29757 has 1 MA's), (249, 29799), (282, 29856), (426, 30069), (447, 30096), (513, 30207), (580, 30339), (636, 30435),

Gene: Phonnegut_28 Start: 20560, Stop: 21573, Start Num: 71

Candidate Starts for Phonnegut_28:

(Start: 71 @20560 has 224 MA's), (86, 20578), (127, 20635), (143, 20653), (164, 20689), (265, 20869), (285, 20905), (306, 20935), (332, 20977), (432, 21136), (502, 21280), (529, 21343), (564, 21418), (571, 21430), (585, 21454),

Gene: PhorbesPhlower_17 Start: 14248, Stop: 15156, Start Num: 108

Candidate Starts for PhorbesPhlower_17:

(Start: 108 @14248 has 38 MA's), (140, 14299), (208, 14419), (225, 14443), (233, 14455), (234, 14458), (278, 14521), (378, 14650), (400, 14677), (415, 14704), (422, 14710), (425, 14713), (471, 14800), (517, 14905), (538, 14932), (540, 14941), (541, 14944), (546, 14959), (571, 15004), (576, 15013),

Gene: Phrank_21 Start: 15187, Stop: 16326, Start Num: 33

Candidate Starts for Phrank_21:

(Start: 33 @15187 has 231 MA's), (80, 15307), (142, 15397), (181, 15466), (292, 15667), (445, 15892), (469, 15952), (496, 15973), (535, 16045), (537, 16048), (538, 16051), (580, 16138), (590, 16162), (640, 16240), (648, 16255), (663, 16294), (668, 16312),

Gene: Phrankenstein_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Phrankenstein_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (265, 15786), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: Phreak_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Phreak_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: PhrostedPhlake_19 Start: 16169, Stop: 17029, Start Num: 89

Candidate Starts for PhrostedPhlake_19:

(Start: 85 @16163 has 15 MA's), (Start: 89 @16169 has 29 MA's), (186, 16325), (230, 16406), (306, 16505), (392, 16613), (447, 16697), (496, 16763), (499, 16769), (578, 16898), (590, 16925), (603, 16940),

Gene: Piatt_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Piatt_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: PickleBack_23 Start: 18468, Stop: 19481, Start Num: 78

Candidate Starts for PickleBack_23:

(Start: 78 @18468 has 85 MA's), (143, 18564), (163, 18597), (164, 18600), (183, 18639), (204, 18687), (306, 18840), (313, 18858), (332, 18882), (361, 18924), (519, 19236), (571, 19338), (586, 19365), (622, 19428),

Gene: Pimento_22 Start: 15990, Stop: 17051, Start Num: 76

Candidate Starts for Pimento_22:

(Start: 76 @15990 has 18 MA's), (Start: 111 @16035 has 15 MA's), (130, 16065), (190, 16173), (274, 16323), (296, 16371), (356, 16455), (364, 16464), (394, 16506), (488, 16683), (526, 16752), (626, 16947), (662, 17019), (663, 17022),

Gene: PinkCoffee_32 Start: 25643, Stop: 26587, Start Num: 99

Candidate Starts for PinkCoffee_32:

(Start: 99 @25643 has 32 MA's), (165, 25748), (201, 25817), (203, 25823), (217, 25847), (228, 25862), (462, 26222), (469, 26237), (485, 26255), (533, 26357), (548, 26399), (567, 26435), (623, 26531), (653, 26582),

Gene: PinkYoshi_17 Start: 15468, Stop: 16640, Start Num: 33

Candidate Starts for PinkYoshi_17:

(5, 15135), (Start: 33 @15468 has 231 MA's), (80, 15588), (Start: 93 @15606 has 57 MA's), (124, 15651), (127, 15657), (165, 15720), (183, 15756), (218, 15825), (220, 15828), (232, 15849), (270, 15903), (292, 15948), (311, 15978), (390, 16080), (399, 16092), (404, 16104), (412, 16122), (496, 16287), (513, 16317), (526, 16335), (535, 16359), (591, 16479), (648, 16569), (661, 16602),

Gene: Pinnie_18 Start: 16180, Stop: 17358, Start Num: 33

Candidate Starts for Pinnie_18:

(Start: 33 @16180 has 231 MA's), (Start: 93 @16324 has 57 MA's), (127, 16375), (167, 16441), (169, 16444), (183, 16474), (220, 16546), (265, 16615), (270, 16621), (361, 16756), (399, 16810), (429, 16870), (483, 16978), (513, 17035), (535, 17077), (626, 17251), (628, 17254), (661, 17320),

Gene: Pioneer_28 Start: 20560, Stop: 21573, Start Num: 71

Candidate Starts for Pioneer_28:

(Start: 71 @20560 has 224 MA's), (86, 20578), (127, 20635), (143, 20653), (164, 20689), (265, 20869), (285, 20905), (306, 20935), (332, 20977), (432, 21136), (502, 21280), (529, 21343), (564, 21418), (571, 21430), (585, 21454),

Gene: Pipp_18 Start: 15781, Stop: 16647, Start Num: 85

Candidate Starts for Pipp_18:

(Start: 85 @15781 has 15 MA's), (Start: 89 @15787 has 29 MA's), (Start: 105 @15802 has 1 MA's), (186, 15943), (230, 16024), (392, 16231), (447, 16315), (496, 16381), (529, 16426), (578, 16516), (590, 16543), (603, 16558),

Gene: Piro94_28 Start: 19659, Stop: 20675, Start Num: 71

Candidate Starts for Piro94_28:

(Start: 71 @19659 has 224 MA's), (127, 19734), (143, 19752), (164, 19788), (183, 19827), (285, 20004), (306, 20034), (329, 20073), (332, 20076), (571, 20532), (585, 20556),

Gene: Pisa1_21 Start: 16089, Stop: 17225, Start Num: 33

Candidate Starts for Pisa1_21:

(Start: 33 @16089 has 231 MA's), (80, 16206), (Start: 155 @16317 has 1 MA's), (167, 16338), (181, 16365), (292, 16566), (332, 16620), (392, 16701), (433, 16776), (445, 16791), (513, 16902), (535, 16944), (580, 17037), (590, 17061), (648, 17154), (663, 17193), (668, 17211),

Gene: Pisa4_21 Start: 16089, Stop: 17225, Start Num: 33

Candidate Starts for Pisa4_21:

(Start: 33 @16089 has 231 MA's), (80, 16206), (Start: 155 @16317 has 1 MA's), (167, 16338), (181, 16365), (292, 16566), (332, 16620), (392, 16701), (433, 16776), (445, 16791), (513, 16902), (535, 16944), (580, 17037), (590, 17061), (648, 17154), (663, 17193), (668, 17211),

Gene: Pixie_21 Start: 16222, Stop: 17358, Start Num: 33

Candidate Starts for Pixie_21:

(Start: 33 @16222 has 231 MA's), (80, 16345), (124, 16408), (127, 16414), (147, 16444), (167, 16477), (220, 16582), (232, 16603), (234, 16609), (273, 16666), (292, 16705), (311, 16735), (381, 16822), (404, 16858), (417, 16885), (496, 17005), (513, 17035), (516, 17044), (535, 17077), (537, 17080), (538, 17083), (580, 17170), (630, 17257), (661, 17320), (663, 17326),

Gene: Plagueis_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Plagueis_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Pleakley_49 Start: 29758, Stop: 30678, Start Num: 96

Candidate Starts for Pleakley_49:

(Start: 96 @29758 has 26 MA's), (152, 29839), (190, 29914), (216, 29965), (282, 30079), (422, 30286), (580, 30547), (613, 30610), (636, 30643),

Gene: Pmask_30 Start: 18960, Stop: 19973, Start Num: 71

Candidate Starts for Pmask_30:

(Start: 71 @18960 has 224 MA's), (Start: 108 @19014 has 38 MA's), (143, 19053), (196, 19158), (285, 19305), (306, 19335), (329, 19374), (332, 19377), (364, 19422), (403, 19482), (502, 19680), (571, 19830), (576, 19839),

Gene: Poise_49 Start: 25756, Stop: 26718, Start Num: 70

Candidate Starts for Poise_49:

(Start: 70 @25756 has 85 MA's), (159, 25888), (174, 25912), (180, 25921), (182, 25927), (185, 25936), (196, 25960), (201, 25969), (206, 25981), (211, 25993), (279, 26107), (321, 26188), (332, 26203), (336, 26209), (429, 26317), (514, 26443), (516, 26449), (593, 26599), (596, 26605), (605, 26617), (607, 26620), (657, 26707), (658, 26710), (659, 26713),

Gene: Pokerus_21 Start: 15968, Stop: 17104, Start Num: 33

Candidate Starts for Pokerus_21:

(Start: 33 @15968 has 231 MA's), (80, 16085), (142, 16175), (Start: 155 @16196 has 1 MA's), (167, 16217), (181, 16244), (332, 16499), (392, 16580), (433, 16655), (445, 16670), (513, 16781), (535, 16823), (580, 16916), (590, 16940), (648, 17033), (663, 17072), (668, 17090),

Gene: Pollux_19 Start: 16661, Stop: 17569, Start Num: 108

Candidate Starts for Pollux_19:

(Start: 108 @16661 has 38 MA's), (144, 16718), (221, 16853), (232, 16868), (233, 16871), (269, 16922), (352, 17030), (388, 17078), (404, 17102), (415, 17120), (422, 17126), (449, 17162), (517, 17318), (538, 17345), (541, 17357), (546, 17372), (571, 17417), (583, 17435), (586, 17444), (604, 17480), (606, 17483), (627, 17519), (631, 17525), (635, 17531),

Gene: Polyphemus_30 Start: 18958, Stop: 19971, Start Num: 71

Candidate Starts for Polyphemus_30:

(Start: 71 @18958 has 224 MA's), (Start: 108 @19012 has 38 MA's), (143, 19051), (196, 19156), (285, 19303), (306, 19333), (329, 19372), (332, 19375), (364, 19420), (403, 19480), (502, 19678), (571, 19828), (576, 19837),

Gene: Polyyuki_44 Start: 30428, Stop: 31354, Start Num: 93

Candidate Starts for Polyuyki_44:

(Start: 93 @30428 has 57 MA's), (Start: 125 @30464 has 2 MA's), (190, 30581), (209, 30620), (220, 30638), (249, 30689), (306, 30788), (363, 30863), (370, 30872), (414, 30947), (426, 30968), (513, 31106), (535, 31142), (548, 31181), (580, 31223), (613, 31286), (636, 31319),

Gene: Pomar16_30 Start: 19083, Stop: 20093, Start Num: 71

Candidate Starts for Pomar16_30:

(Start: 71 @19083 has 224 MA's), (Start: 108 @19137 has 38 MA's), (127, 19158), (143, 19176), (240, 19347), (306, 19458), (329, 19497), (332, 19500), (364, 19545), (529, 19863), (564, 19938), (571, 19950), (585, 19974), (622, 20040),

Gene: Pons_17 Start: 14462, Stop: 15418, Start Num: 114

Candidate Starts for Pons_17:

(Start: 114 @14462 has 61 MA's), (144, 14507), (190, 14591), (217, 14645), (234, 14672), (272, 14723), (274, 14726), (277, 14732), (278, 14735), (312, 14804), (342, 14849), (357, 14873), (404, 14939), (462, 15035), (545, 15218), (546, 15221), (562, 15251), (567, 15260), (596, 15317), (631, 15368), (652, 15404), (654, 15410),

Gene: Poochiewood_17 Start: 15865, Stop: 16746, Start Num: 70

Candidate Starts for Poochiewood_17:

(45, 15811), (Start: 59 @15847 has 11 MA's), (Start: 70 @15865 has 85 MA's), (90, 15889), (Start: 108 @15919 has 38 MA's), (Start: 119 @15934 has 6 MA's), (Start: 145 @15967 has 14 MA's), (237, 16111), (329, 16267), (332, 16270), (336, 16276), (368, 16321), (389, 16348), (438, 16387), (459, 16420), (463, 16429), (491, 16456), (542, 16576), (571, 16624), (620, 16690), (623, 16696), (647, 16735),

Gene: Portcullis_30 Start: 24953, Stop: 25897, Start Num: 99

Candidate Starts for Portcullis_30:

(Start: 99 @24953 has 32 MA's), (165, 25058), (201, 25127), (203, 25133), (217, 25157), (228, 25172), (462, 25532), (469, 25547), (485, 25565), (533, 25667), (548, 25709), (567, 25745), (623, 25841), (653, 25892),

Gene: Posh_19 Start: 16625, Stop: 17533, Start Num: 108

Candidate Starts for Posh_19:

(Start: 108 @16625 has 38 MA's), (144, 16682), (221, 16817), (232, 16832), (233, 16835), (269, 16886), (320, 16955), (352, 16994), (388, 17042), (404, 17066), (415, 17084), (422, 17090), (449, 17126), (517, 17282), (538, 17309), (541, 17321), (546, 17336), (571, 17381), (583, 17399), (586, 17408), (604, 17444), (606, 17447), (627, 17483), (631, 17489), (635, 17495),

Gene: PotPie_17 Start: 15327, Stop: 16283, Start Num: 114

Candidate Starts for PotPie_17:

(Start: 114 @15327 has 61 MA's), (144, 15372), (177, 15429), (190, 15456), (217, 15510), (234, 15537), (272, 15588), (274, 15591), (277, 15597), (278, 15600), (305, 15654), (312, 15669), (342, 15714), (357, 15738), (373, 15753), (404, 15804), (462, 15900), (546, 16086), (562, 16116), (567, 16125), (596, 16182), (631, 16233), (652, 16269), (654, 16275),

Gene: PotatoChip_33 Start: 28463, Stop: 29329, Start Num: 85

Candidate Starts for PotatoChip_33:

(Start: 85 @28463 has 15 MA's), (102, 28487), (131, 28532), (165, 28592), (184, 28631), (235, 28727), (332, 28889), (358, 28922), (422, 28997), (443, 29021), (554, 29162), (580, 29198), (591, 29225), (628, 29282),

Gene: Poushou_18 Start: 16550, Stop: 17428, Start Num: 54

Candidate Starts for Poushou_18:

(Start: 54 @16550 has 3 MA's), (Start: 56 @16553 has 1 MA's), (Start: 119 @16637 has 6 MA's), (196, 16775), (416, 17063),

Gene: Power_27 Start: 19105, Stop: 20121, Start Num: 71

Candidate Starts for Power_27:

(Start: 71 @19105 has 224 MA's), (127, 19180), (143, 19198), (164, 19234), (183, 19273), (306, 19480), (329, 19519), (332, 19522), (480, 19789), (529, 19891), (564, 19966), (571, 19978), (622, 20068),

Gene: Priamo_30 Start: 19009, Stop: 20022, Start Num: 71

Candidate Starts for Priamo_30:

(Start: 71 @19009 has 224 MA's), (Start: 108 @19063 has 38 MA's), (143, 19102), (164, 19138), (196, 19207), (285, 19354), (306, 19384), (329, 19423), (332, 19426), (364, 19471), (403, 19531), (463, 19657), (502, 19729), (571, 19879), (576, 19888),

Gene: Prinashel1_24 Start: 18616, Stop: 19629, Start Num: 78

Candidate Starts for Prinashel1_24:

(Start: 78 @18616 has 85 MA's), (143, 18712), (163, 18745), (164, 18748), (183, 18787), (265, 18922), (297, 18982), (306, 18988), (313, 19006), (332, 19030), (361, 19072), (519, 19384), (571, 19486), (622, 19576),

Gene: PrincePatrick_18 Start: 15957, Stop: 16817, Start Num: 87

Candidate Starts for PrincePatrick_18:

(Start: 87 @15957 has 24 MA's), (Start: 105 @15972 has 1 MA's), (124, 16002), (139, 16023), (186, 16113), (230, 16194), (390, 16398), (392, 16401), (529, 16596), (578, 16686), (603, 16728), (632, 16776), (636, 16782),

Gene: Pringar_49 Start: 26044, Stop: 27006, Start Num: 70

Candidate Starts for Pringar_49:

(Start: 70 @26044 has 85 MA's), (159, 26176), (174, 26200), (180, 26209), (182, 26215), (185, 26224), (196, 26248), (201, 26257), (206, 26269), (279, 26395), (321, 26476), (332, 26491), (336, 26497), (429, 26605), (514, 26731), (516, 26737), (593, 26887), (596, 26893), (605, 26905), (607, 26908), (657, 26995), (658, 26998), (659, 27001),

Gene: Prithvi_22 Start: 15985, Stop: 17121, Start Num: 33

Candidate Starts for Prithvi_22:

(Start: 33 @15985 has 231 MA's), (80, 16102), (142, 16192), (Start: 155 @16213 has 1 MA's), (167, 16234), (181, 16261), (332, 16516), (392, 16597), (433, 16672), (445, 16687), (513, 16798), (535, 16840), (580, 16933), (590, 16957), (648, 17050), (663, 17089), (668, 17107),

Gene: Priya_28 Start: 20558, Stop: 21571, Start Num: 71

Candidate Starts for Priya_28:

(Start: 71 @20558 has 224 MA's), (86, 20576), (127, 20633), (143, 20651), (164, 20687), (265, 20867), (285, 20903), (306, 20933), (332, 20975), (432, 21134), (502, 21278), (529, 21341), (564, 21416), (571, 21428), (585, 21452),

Gene: Prudy_29 Start: 20964, Stop: 21977, Start Num: 71

Candidate Starts for Prudy_29:

(Start: 71 @20964 has 224 MA's), (143, 21057), (164, 21093), (183, 21132), (306, 21339), (329, 21378), (332, 21381), (364, 21426), (403, 21486), (463, 21612), (480, 21645), (571, 21834),

Gene: Psycho_20 Start: 16299, Stop: 17429, Start Num: 37

Candidate Starts for Psycho_20:

(Start: 37 @16299 has 23 MA's), (124, 16473), (165, 16539), (181, 16569), (232, 16668), (292, 16770), (332, 16824), (357, 16854), (381, 16890), (383, 16893), (390, 16902), (431, 16977), (433, 16980), (453, 17016), (471, 17058), (496, 17076), (499, 17082), (513, 17106), (514, 17109), (535, 17148), (585, 17250), (648, 17358), (663, 17397), (668, 17415),

Gene: PsychoKiller_17 Start: 14764, Stop: 15735, Start Num: 114

Candidate Starts for PsychoKiller_17:

(Start: 114 @14764 has 61 MA's), (144, 14809), (156, 14830), (190, 14893), (201, 14917), (217, 14947), (239, 14986), (272, 15025), (277, 15034), (278, 15037), (311, 15103), (342, 15151), (375, 15193), (404, 15241), (437, 15292), (462, 15352), (469, 15367), (471, 15370), (483, 15388), (486, 15394), (506, 15439), (517, 15466), (528, 15484), (546, 15538), (562, 15568), (567, 15577), (576, 15592), (606, 15649), (639, 15697), (652, 15721), (654, 15727),

Gene: Pukovnik_29 Start: 20677, Stop: 21693, Start Num: 71

Candidate Starts for Pukovnik_29:

(Start: 71 @20677 has 224 MA's), (127, 20752), (143, 20770), (183, 20845), (190, 20860), (265, 20986), (306, 21052), (329, 21091), (332, 21094), (339, 21103), (392, 21184), (418, 21235), (571, 21550), (585, 21574),

Gene: PullumCavea_30 Start: 25004, Stop: 25948, Start Num: 99

Candidate Starts for PullumCavea_30:

(Start: 99 @25004 has 32 MA's), (165, 25109), (201, 25178), (203, 25184), (217, 25208), (228, 25223), (462, 25583), (469, 25598), (485, 25616), (533, 25718), (548, 25760), (567, 25796), (623, 25892), (653, 25943),

Gene: Pumpkiney_35 Start: 27100, Stop: 28077, Start Num: 84

Candidate Starts for Pumpkiney_35:

(Start: 84 @27100 has 25 MA's), (136, 27175), (144, 27187), (165, 27223), (183, 27259), (237, 27361), (284, 27415), (334, 27487), (379, 27550), (386, 27559), (418, 27616), (437, 27649), (452, 27682), (453, 27685), (486, 27742), (538, 27838), (549, 27871), (555, 27880), (568, 27901), (586, 27928), (595, 27949), (601, 27958), (605, 27964), (625, 27997), (627, 28000), (660, 28054), (664, 28066),

Gene: Puppies_17 Start: 14309, Stop: 15142, Start Num: 145

Candidate Starts for Puppies_17:

(Start: 145 @14309 has 14 MA's), (183, 14378), (233, 14462), (260, 14513), (318, 14621), (384, 14714), (392, 14726), (396, 14732), (444, 14798), (520, 14924), (538, 14951), (539, 14954), (544, 14972), (557, 14987), (578, 15026),

Gene: Pytheas_19 Start: 16771, Stop: 17679, Start Num: 108

Candidate Starts for Pytheas_19:

(Start: 108 @16771 has 38 MA's), (144, 16828), (221, 16963), (232, 16978), (233, 16981), (269, 17032), (352, 17140), (388, 17188), (404, 17212), (415, 17230), (422, 17236), (449, 17272), (517, 17428), (538, 17455), (541, 17467), (546, 17482), (571, 17527), (583, 17545), (586, 17554), (604, 17590), (606, 17593), (627, 17629), (631, 17635), (635, 17641),

Gene: Qobbit_28 Start: 20557, Stop: 21570, Start Num: 71

Candidate Starts for Qobbit_28:

(Start: 71 @20557 has 224 MA's), (86, 20575), (127, 20632), (143, 20650), (164, 20686), (265, 20866), (285, 20902), (306, 20932), (332, 20974), (432, 21133), (502, 21277), (529, 21340), (564, 21415), (571, 21427), (585, 21451),

Gene: Quasar_17 Start: 15373, Stop: 16344, Start Num: 114

Candidate Starts for Quasar_17:

(Start: 114 @15373 has 61 MA's), (144, 15418), (156, 15439), (190, 15502), (201, 15526), (217, 15556), (239, 15595), (272, 15634), (277, 15643), (278, 15646), (311, 15712), (342, 15760), (375, 15802), (404, 15850), (437, 15901), (462, 15961), (469, 15976), (471, 15979), (483, 15997), (486, 16003), (506, 16048), (517, 16075), (528, 16093), (545, 16144), (546, 16147), (562, 16177), (567, 16186), (576, 16201), (606, 16258), (639, 16306), (652, 16330), (654, 16336),

Gene: Quby_17 Start: 15700, Stop: 16587, Start Num: 70

Candidate Starts for Quby_17:

(Start: 70 @15700 has 85 MA's), (90, 15724), (Start: 106 @15751 has 1 MA's), (Start: 108 @15754 has 38 MA's), (Start: 119 @15769 has 6 MA's), (Start: 145 @15802 has 14 MA's), (196, 15898), (285, 16033), (290, 16042), (329, 16102), (332, 16105), (389, 16183), (418, 16198), (438, 16222), (491, 16291), (504, 16315), (510, 16333), (533, 16384), (542, 16411), (571, 16459), (588, 16486), (647, 16570),

Gene: QueenB2_27 Start: 19223, Stop: 20239, Start Num: 71

Candidate Starts for QueenB2_27:

(Start: 71 @19223 has 224 MA's), (127, 19298), (143, 19316), (164, 19352), (183, 19391), (306, 19598), (329, 19637), (332, 19640), (480, 19907), (529, 20009), (564, 20084), (571, 20096), (622, 20186),

Gene: QueenBeesly_27 Start: 19105, Stop: 20121, Start Num: 71

Candidate Starts for QueenBeesly_27:

(Start: 71 @19105 has 224 MA's), (127, 19180), (143, 19198), (164, 19234), (183, 19273), (306, 19480), (329, 19519), (332, 19522), (480, 19789), (529, 19891), (564, 19966), (571, 19978), (622, 20068),

Gene: QuincyRose_21 Start: 16031, Stop: 17167, Start Num: 33

Candidate Starts for QuincyRose_21:

(Start: 33 @16031 has 231 MA's), (80, 16148), (142, 16238), (Start: 155 @16259 has 1 MA's), (167, 16280), (181, 16307), (332, 16562), (392, 16643), (433, 16718), (445, 16733), (513, 16844), (535, 16886), (580, 16979), (590, 17003), (648, 17096), (663, 17135), (668, 17153),

Gene: Quokka_25 Start: 18067, Stop: 19077, Start Num: 71

Candidate Starts for Quokka_25:

(Start: 71 @18067 has 224 MA's), (Start: 108 @18121 has 38 MA's), (127, 18142), (143, 18160), (183, 18235), (306, 18442), (329, 18481), (332, 18484), (364, 18529), (463, 18712), (480, 18745), (529, 18847), (571, 18934), (622, 19024),

Gene: RADical_18 Start: 14765, Stop: 15736, Start Num: 114

Candidate Starts for RADical_18:

(Start: 114 @14765 has 61 MA's), (144, 14810), (156, 14831), (190, 14894), (201, 14918), (217, 14948), (239, 14987), (272, 15026), (277, 15035), (278, 15038), (311, 15104), (342, 15152), (375, 15194), (404, 15242), (437, 15293), (462, 15353), (469, 15368), (471, 15371), (483, 15389), (486, 15395), (506, 15440), (517, 15467), (528, 15485), (546, 15539), (562, 15569), (567, 15578), (576, 15593), (606, 15650), (639, 15698), (652, 15722), (654, 15728),

Gene: REQ2_19 Start: 18255, Stop: 19085, Start Num: 114

Candidate Starts for REQ2_19:

(Start: 114 @18255 has 61 MA's), (133, 18288), (142, 18300), (210, 18435), (232, 18471), (348, 18618), (368, 18642), (390, 18669), (449, 18762), (464, 18792), (514, 18852), (563, 18936), (570, 18948), (605, 19008), (624, 19041), (632, 19053), (644, 19071),

Gene: REQ3_49 Start: 31366, Stop: 32277, Start Num: 73

Candidate Starts for REQ3_49:

(Start: 73 @31366 has 1 MA's), (Start: 93 @31399 has 57 MA's), (101, 31411), (159, 31492), (237, 31615), (247, 31633), (265, 31669), (332, 31774), (359, 31813), (454, 31927), (455, 31930), (524, 32029), (571, 32131), (603, 32191), (649, 32266),

Gene: RER2_15 Start: 12352, Stop: 13224, Start Num: 78

Candidate Starts for RER2_15:

(Start: 78 @12352 has 85 MA's), (101, 12391), (159, 12472), (163, 12478), (194, 12547), (249, 12625), (281, 12685), (332, 12763), (428, 12859), (529, 12988), (535, 13006), (564, 13063), (571, 13075), (591, 13117), (649, 13213),

Gene: RGL3_15 Start: 12514, Stop: 13386, Start Num: 78

Candidate Starts for RGL3_15:

(Start: 78 @12514 has 85 MA's), (117, 12574), (163, 12640), (190, 12697), (194, 12709), (265, 12820), (297, 12877), (332, 12925), (376, 12976), (529, 13150), (538, 13174), (552, 13201), (564, 13225), (571, 13237),

Gene: RSchmailzl_18 Start: 14908, Stop: 15879, Start Num: 114

Candidate Starts for RSchmailzl_18:

(Start: 114 @14908 has 61 MA's), (144, 14953), (156, 14974), (190, 15037), (201, 15061), (217, 15091), (239, 15130), (272, 15169), (277, 15178), (278, 15181), (311, 15247), (342, 15295), (375, 15337), (404, 15385), (437, 15436), (462, 15496), (469, 15511), (471, 15514), (483, 15532), (486, 15538), (506, 15583), (517, 15610), (528, 15628), (545, 15679), (546, 15682), (562, 15712), (567, 15721), (576, 15736), (606, 15793), (639, 15841), (652, 15865), (654, 15871),

Gene: Rabbitrun_29 Start: 22682, Stop: 23611, Start Num: 59

Candidate Starts for Rabbitrun_29:

(Start: 59 @22682 has 11 MA's), (Start: 68 @22697 has 28 MA's), (Start: 108 @22754 has 38 MA's), (127, 22784), (161, 22829), (181, 22862), (196, 22898), (247, 22973), (261, 23003), (263, 23006), (285, 23042), (313, 23105), (316, 23108), (328, 23123), (348, 23153), (359, 23168), (374, 23189), (438, 23249), (442, 23255), (525, 23402), (535, 23426), (564, 23483), (603, 23540), (620, 23564), (629, 23579),

Gene: Rabbs_17 Start: 15479, Stop: 16657, Start Num: 33

Candidate Starts for Rabbs_17:

(4, 15083), (5, 15143), (Start: 33 @15479 has 231 MA's), (80, 15605), (Start: 93 @15623 has 57 MA's), (124, 15668), (127, 15674), (165, 15737), (183, 15773), (218, 15842), (220, 15845), (232, 15866), (270, 15920), (311, 15995), (390, 16097), (399, 16109), (496, 16304), (513, 16334), (526, 16352), (535, 16376), (585, 16478), (591, 16496), (648, 16586), (661, 16619),

Gene: Rachaly_30 Start: 20827, Stop: 21837, Start Num: 71

Candidate Starts for Rachaly_30:

(Start: 71 @20827 has 224 MA's), (143, 20920), (164, 20956), (183, 20995), (306, 21202), (329, 21241), (332, 21244), (364, 21289), (418, 21379), (463, 21472), (480, 21505), (529, 21607), (564, 21682), (571, 21694), (622, 21784),

Gene: Raela_49 Start: 26311, Stop: 27273, Start Num: 70

Candidate Starts for Raela_49:

(Start: 70 @26311 has 85 MA's), (159, 26443), (174, 26467), (180, 26476), (182, 26482), (185, 26491), (196, 26515), (201, 26524), (206, 26536), (279, 26662), (321, 26743), (332, 26758), (336, 26764), (429, 26872), (514, 26998), (516, 27004), (552, 27079), (593, 27154), (596, 27160), (605, 27172), (607, 27175), (657, 27262), (658, 27265), (659, 27268),

Gene: Rahalelujah_26 Start: 18587, Stop: 19609, Start Num: 71

Candidate Starts for Rahalelujah_26:

(Start: 71 @18587 has 224 MA's), (86, 18605), (Start: 108 @18641 has 38 MA's), (127, 18662), (143, 18680), (196, 18785), (285, 18932), (306, 18962), (332, 19004), (403, 19109), (426, 19154), (450, 19199), (470, 19250), (474, 19256), (478, 19265), (529, 19379), (552, 19430), (564, 19454), (571, 19466), (622, 19556),

Gene: Ramen_22 Start: 16017, Stop: 17153, Start Num: 33

Candidate Starts for Ramen_22:

(Start: 33 @16017 has 231 MA's), (80, 16134), (142, 16224), (Start: 155 @16245 has 1 MA's), (167, 16266), (181, 16293), (332, 16548), (392, 16629), (433, 16704), (445, 16719), (513, 16830), (535, 16872), (580, 16965), (590, 16989), (648, 17082), (663, 17121), (668, 17139),

Gene: RanchParmCat_20 Start: 14513, Stop: 15472, Start Num: 114

Candidate Starts for RanchParmCat_20:

(65, 14438), (Start: 114 @14513 has 61 MA's), (128, 14534), (146, 14561), (147, 14564), (274, 14777), (277, 14783), (305, 14840), (340, 14897), (342, 14900), (404, 14990), (450, 15059), (462, 15092), (539, 15251), (545, 15272), (546, 15275), (562, 15305), (567, 15314), (571, 15320), (583, 15338), (596, 15371), (602, 15380), (606, 15386), (641, 15437), (652, 15458), (654, 15464),

Gene: Rando14_20 Start: 14989, Stop: 16119, Start Num: 37

Candidate Starts for Rando14_20:

(Start: 37 @14989 has 23 MA's), (Start: 93 @15118 has 57 MA's), (124, 15163), (165, 15229), (167, 15232), (181, 15259), (232, 15358), (292, 15460), (332, 15514), (357, 15544), (381, 15580), (390, 15592), (417, 15643), (431, 15667), (451, 15700), (471, 15748), (499, 15772), (513, 15796), (514, 15799), (535, 15838), (648, 16048), (663, 16087), (668, 16105),

Gene: Rapunzel97_22 Start: 16018, Stop: 17154, Start Num: 33

Candidate Starts for Rapunzel97_22:

(Start: 33 @16018 has 231 MA's), (80, 16135), (142, 16225), (Start: 155 @16246 has 1 MA's), (167, 16267), (181, 16294), (332, 16549), (392, 16630), (433, 16705), (445, 16720), (513, 16831), (535, 16873), (580, 16966), (590, 16990), (648, 17083), (663, 17122), (668, 17140),

Gene: Rasputin_22 Start: 15448, Stop: 16320, Start Num: 78

Candidate Starts for Rasputin_22:

(Start: 78 @15448 has 85 MA's), (101, 15487), (159, 15568), (163, 15574), (194, 15643), (249, 15721), (261, 15748), (332, 15859), (428, 15955), (529, 16084), (535, 16102), (571, 16171), (649, 16309),

Gene: Rattrick_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Rattrick_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Ravana_30 Start: 18083, Stop: 19060, Start Num: 74

Candidate Starts for Ravana_30:

(Start: 74 @18083 has 22 MA's), (159, 18197), (163, 18203), (164, 18206), (292, 18440), (460, 18707), (498, 18761), (571, 18917),

Gene: RayTheFireFly_18 Start: 16585, Stop: 17532, Start Num: 111

Candidate Starts for RayTheFireFly_18:

(Start: 111 @16585 has 15 MA's), (225, 16780), (277, 16861), (284, 16873), (323, 16945), (330, 16951), (342, 16966), (404, 17056), (406, 17062), (453, 17125), (462, 17149), (464, 17155), (487, 17191), (517, 17260), (537, 17302), (545, 17329), (571, 17371), (573, 17374), (580, 17386), (606, 17437), (625, 17461), (655, 17515),

Gene: ReMo_29 Start: 18119, Stop: 19096, Start Num: 74

Candidate Starts for ReMo_29:

(Start: 74 @18119 has 22 MA's), (159, 18233), (163, 18239), (164, 18242), (292, 18476), (460, 18743), (498, 18797), (571, 18953),

Gene: Red305_18 Start: 16490, Stop: 17380, Start Num: 70

Candidate Starts for Red305_18:

(Start: 70 @16490 has 85 MA's), (90, 16514), (Start: 119 @16559 has 6 MA's), (127, 16574), (Start: 145 @16595 has 14 MA's), (196, 16691), (285, 16826), (290, 16835), (329, 16895), (332, 16898), (336, 16904), (389, 16976), (429, 17009), (442, 17021), (491, 17084), (515, 17138), (525, 17159), (544, 17210), (571, 17252), (647, 17363), (649, 17366),

Gene: RedBaron_18 Start: 14808, Stop: 15779, Start Num: 114

Candidate Starts for RedBaron_18:

(Start: 114 @14808 has 61 MA's), (144, 14853), (156, 14874), (190, 14937), (201, 14961), (217, 14991), (239, 15030), (272, 15069), (277, 15078), (278, 15081), (311, 15147), (342, 15195), (375, 15237), (404, 15285), (437, 15336), (462, 15396), (469, 15411), (471, 15414), (483, 15432), (486, 15438), (506, 15483), (517, 15510), (528, 15528), (545, 15579), (546, 15582), (562, 15612), (567, 15621), (576, 15636), (606, 15693), (639, 15741), (652, 15765), (654, 15771),

Gene: RedRaider_47 Start: 31794, Stop: 32711, Start Num: 96

Candidate Starts for RedRaider_47:

(Start: 96 @31794 has 26 MA's), (152, 31872), (190, 31947), (249, 32055), (297, 32139), (422, 32319), (426, 32325), (550, 32541), (580, 32580), (613, 32643), (621, 32655), (636, 32676), (648, 32697),

Gene: RedRaider77_49 Start: 26212, Stop: 27174, Start Num: 70

Candidate Starts for RedRaider77_49:

(Start: 70 @26212 has 85 MA's), (159, 26344), (174, 26368), (180, 26377), (182, 26383), (185, 26392), (196, 26416), (201, 26425), (206, 26437), (279, 26563), (321, 26644), (332, 26659), (336, 26665), (429, 26773), (514, 26899), (516, 26905), (552, 26980), (593, 27055), (596, 27061), (605, 27073), (607, 27076), (657, 27163), (658, 27166), (659, 27169),

Gene: RedRock_30 Start: 21090, Stop: 22103, Start Num: 71

Candidate Starts for RedRock_30:

(Start: 71 @21090 has 224 MA's), (86, 21108), (127, 21165), (143, 21183), (164, 21219), (183, 21258), (306, 21465), (329, 21504), (332, 21507), (364, 21552), (463, 21738), (480, 21771), (519, 21858), (571, 21960),

Gene: Refuge_30 Start: 22099, Stop: 23115, Start Num: 71

Candidate Starts for Refuge_30:

(Start: 71 @22099 has 224 MA's), (127, 22174), (143, 22192), (164, 22228), (183, 22267), (306, 22474), (329, 22513), (332, 22516), (434, 22681), (455, 22729), (571, 22972),

Gene: Reindeer_25 Start: 21276, Stop: 22190, Start Num: 64

Candidate Starts for Reindeer_25:

(Start: 64 @21276 has 6 MA's), (Start: 66 @21279 has 21 MA's), (131, 21378), (135, 21381), (150, 21399), (159, 21414), (196, 21486), (201, 21495), (257, 21573), (281, 21621), (329, 21711), (332, 21714), (345, 21732), (380, 21783), (418, 21807), (429, 21825), (438, 21831), (508, 21936), (523,

21972), (533, 21993), (590, 22101), (616, 22128), (623, 22140),

Gene: Rem711_24 Start: 17926, Stop: 19032, Start Num: 60

Candidate Starts for Rem711_24:

(3, 17356), (11, 17629), (Start: 54 @17917 has 3 MA's), (Start: 60 @17926 has 1 MA's), (Start: 89 @17965 has 29 MA's), (235, 18217), (299, 18337), (385, 18451), (397, 18469), (413, 18499), (419, 18511), (509, 18691), (518, 18718), (667, 19018),

Gene: Remus_29 Start: 18083, Stop: 19060, Start Num: 74

Candidate Starts for Remus_29:

(Start: 74 @18083 has 22 MA's), (159, 18197), (163, 18203), (164, 18206), (292, 18440), (460, 18707), (498, 18761), (571, 18917),

Gene: Remy19_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Remy19_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Renaissance_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Renaissance_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Reptar3000_23 Start: 17233, Stop: 18366, Start Num: 33

Candidate Starts for Reptar3000_23:

(Start: 33 @17233 has 231 MA's), (38, 17251), (Start: 59 @17323 has 11 MA's), (80, 17353), (142, 17443), (147, 17452), (167, 17485), (180, 17509), (233, 17614), (332, 17767), (386, 17836), (390, 17842), (471, 17995), (496, 18013), (513, 18043), (535, 18085), (537, 18088), (648, 18295), (663, 18334), (668, 18352),

Gene: Retro23_27 Start: 19253, Stop: 20269, Start Num: 71

Candidate Starts for Retro23_27:

(Start: 71 @19253 has 224 MA's), (127, 19328), (143, 19346), (164, 19382), (183, 19421), (306, 19628), (329, 19667), (332, 19670), (480, 19937), (529, 20039), (564, 20114), (571, 20126), (622, 20216), (623, 20219),

Gene: RexFury_22 Start: 15511, Stop: 16383, Start Num: 78

Candidate Starts for RexFury_22:

(Start: 78 @15511 has 85 MA's), (101, 15550), (159, 15631), (163, 15637), (194, 15706), (249, 15784), (281, 15844), (332, 15922), (428, 16018), (529, 16147), (535, 16165), (564, 16222), (571, 16234), (591, 16276), (649, 16372),

Gene: Rey_31 Start: 22233, Stop: 23144, Start Num: 66

Candidate Starts for Rey_31:

(Start: 66 @22233 has 21 MA's), (72, 22242), (Start: 108 @22296 has 38 MA's), (135, 22335), (150, 22353), (159, 22368), (194, 22437), (329, 22665), (332, 22668), (429, 22779), (438, 22785), (523, 22926), (537, 22956), (562, 23007), (646, 23130),

Gene: Reyja_18 Start: 14313, Stop: 15155, Start Num: 145

Candidate Starts for Reyja_18:

(9, 13857), (14, 13935), (42, 14133), (123, 14274), (Start: 145 @14313 has 14 MA's), (183, 14382), (196, 14412), (206, 14433), (233, 14466), (257, 14508), (258, 14511), (348, 14652), (392, 14718), (468, 14850), (518, 14925), (544, 14979), (571, 15021), (607, 15087), (631, 15126),

Gene: Rhodalysa_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Rhodalysa_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (265, 15786), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: Ribeye_34 Start: 29836, Stop: 30792, Start Num: 93

Candidate Starts for Ribeye_34:

(Start: 93 @29836 has 57 MA's), (181, 29977), (190, 29992), (203, 30022), (210, 30034), (217, 30046), (228, 30061), (234, 30073), (253, 30100), (266, 30115), (280, 30142), (334, 30232), (360, 30268), (401, 30328), (431, 30364), (462, 30424), (513, 30514), (548, 30604), (561, 30628), (567, 30640), (602, 30706), (610, 30721), (629, 30745),

Gene: Richarlison_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Richarlison_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Richo_22 Start: 15375, Stop: 16514, Start Num: 33

Candidate Starts for Richo_22:

(Start: 33 @15375 has 231 MA's), (80, 15495), (142, 15585), (181, 15654), (232, 15753), (233, 15756), (292, 15855), (332, 15909), (392, 15990), (433, 16065), (445, 16080), (499, 16167), (513, 16191), (535, 16233), (537, 16236), (557, 16287), (580, 16326), (628, 16410), (640, 16428), (648, 16443), (663, 16482), (668, 16500),

Gene: Rifter_30 Start: 18949, Stop: 19965, Start Num: 71

Candidate Starts for Rifter_30:

(Start: 71 @18949 has 224 MA's), (86, 18967), (Start: 108 @19003 has 38 MA's), (143, 19042), (196, 19147), (306, 19324), (329, 19363), (332, 19366), (390, 19453), (403, 19474), (502, 19672), (571, 19822), (576, 19831), (622, 19912),

Gene: RiverRaider_34 Start: 28121, Stop: 29080, Start Num: 93

Candidate Starts for RiverRaider_34:

(Start: 93 @28121 has 57 MA's), (181, 28265), (190, 28280), (203, 28310), (210, 28322), (228, 28349), (234, 28361), (238, 28370), (280, 28430), (334, 28520), (360, 28556), (394, 28604), (401, 28616), (414, 28640), (425, 28646), (462, 28712), (513, 28802), (548, 28892), (561, 28916), (567, 28928), (571, 28934), (585, 28958), (637, 29045),

Gene: RoadKill_29 Start: 26072, Stop: 27049, Start Num: 84

Candidate Starts for RoadKill_29:

(Start: 84 @26072 has 25 MA's), (Start: 96 @26084 has 26 MA's), (115, 26111), (144, 26159), (176, 26213), (214, 26291), (284, 26387), (305, 26420), (334, 26459), (418, 26588), (437, 26621), (453, 26657), (549, 26843), (568, 26873), (586, 26900), (605, 26936), (625, 26969), (656, 27017), (664, 27038),

Gene: Roary_23 Start: 17600, Stop: 18622, Start Num: 78

Candidate Starts for Roary_23:

(Start: 78 @17600 has 85 MA's), (159, 17723), (163, 17729), (196, 17801), (265, 17906), (279, 17933), (332, 18023), (451, 18224), (462, 18254), (463, 18257), (564, 18467), (586, 18506), (611, 18554), (622, 18569),

Gene: Rofo_34 Start: 29848, Stop: 30804, Start Num: 93

Candidate Starts for Rofo_34:

(Start: 93 @29848 has 57 MA's), (203, 30034), (210, 30046), (228, 30073), (238, 30094), (280, 30154), (331, 30241), (334, 30244), (360, 30280), (384, 30313), (394, 30328), (401, 30340), (425, 30370), (431, 30376), (462, 30436), (513, 30526), (548, 30616), (561, 30640), (567, 30652), (602, 30718), (629, 30757), (637, 30769),

Gene: RogerDodger_33 Start: 25794, Stop: 26726, Start Num: 99

Candidate Starts for RogerDodger_33:

(Start: 99 @25794 has 32 MA's), (165, 25890), (201, 25959), (203, 25965), (217, 25989), (228, 26004), (360, 26214), (422, 26292), (453, 26337), (462, 26361), (488, 26400), (533, 26496), (548, 26538), (567, 26574), (608, 26649), (623, 26670), (653, 26721),

Gene: Roksolana_30 Start: 18977, Stop: 19993, Start Num: 71

Candidate Starts for Roksolana_30:

(Start: 71 @18977 has 224 MA's), (86, 18995), (Start: 108 @19031 has 38 MA's), (143, 19070), (196, 19175), (306, 19352), (329, 19391), (332, 19394), (390, 19481), (403, 19502), (463, 19628), (502, 19700), (571, 19850), (576, 19859), (622, 19940),

Gene: RonRayGun_18 Start: 16018, Stop: 16983, Start Num: 63

Candidate Starts for RonRayGun_18:

(Start: 63 @16018 has 7 MA's), (Start: 84 @16045 has 25 MA's), (Start: 93 @16063 has 57 MA's), (203, 16240), (204, 16243), (249, 16318), (285, 16384), (294, 16411), (329, 16468), (336, 16477), (515, 16714), (527, 16738), (576, 16837), (586, 16858), (594, 16879), (618, 16918), (623, 16927),

Gene: Ronaldo_55 Start: 27945, Stop: 28892, Start Num: 106

Candidate Starts for Ronaldo_55:

(Start: 106 @27945 has 1 MA's), (Start: 108 @27948 has 38 MA's), (181, 28068), (234, 28164), (298, 28266), (340, 28332), (352, 28353), (357, 28359), (390, 28410), (404, 28434), (462, 28527), (488, 28566), (539, 28677), (540, 28683), (543, 28692), (545, 28698), (562, 28731), (567, 28740), (573, 28749), (583, 28764), (625, 28839), (633, 28851), (641, 28863), (652, 28884),

Gene: Rosalind_29 Start: 18241, Stop: 19218, Start Num: 74

Candidate Starts for Rosalind_29:

(Start: 74 @18241 has 22 MA's), (159, 18355), (163, 18361), (164, 18364), (292, 18598), (460, 18865), (498, 18919), (571, 19075),

Gene: Rose5_17 Start: 15865, Stop: 16746, Start Num: 70

Candidate Starts for Rose5_17:

(45, 15811), (Start: 59 @15847 has 11 MA's), (Start: 70 @15865 has 85 MA's), (90, 15889), (Start: 108 @15919 has 38 MA's), (Start: 119 @15934 has 6 MA's), (Start: 145 @15967 has 14 MA's), (237, 16111), (329, 16267), (332, 16270), (336, 16276), (368, 16321), (389, 16348), (438, 16387), (459, 16420), (463, 16429), (491, 16456), (542, 16576), (571, 16624), (620, 16690), (623, 16696), (647, 16735),

Gene: RoseMarie_27 Start: 21674, Stop: 22585, Start Num: 66

Candidate Starts for RoseMarie_27:

(Start: 66 @21674 has 21 MA's), (135, 21776), (150, 21794), (159, 21809), (201, 21890), (257, 21968), (281, 22016), (329, 22106), (332, 22109), (345, 22127), (380, 22178), (438, 22226), (502, 22313), (514, 22346), (538, 22400), (590, 22496), (616, 22523), (623, 22535),

Gene: Rosmarinus_22 Start: 16039, Stop: 17175, Start Num: 33

Candidate Starts for Rosmarinus_22:

(Start: 33 @16039 has 231 MA's), (80, 16156), (142, 16246), (Start: 155 @16267 has 1 MA's), (167, 16288), (181, 16315), (332, 16570), (392, 16651), (433, 16726), (445, 16741), (513, 16852), (535, 16894), (580, 16987), (590, 17011), (648, 17104), (663, 17143), (668, 17161),

Gene: Rossetti_17 Start: 16094, Stop: 17008, Start Num: 70

Candidate Starts for Rossetti_17:

(Start: 70 @16094 has 85 MA's), (90, 16118), (Start: 108 @16148 has 38 MA's), (164, 16229), (189, 16274), (328, 16499), (329, 16502), (332, 16505), (416, 16592), (429, 16616), (438, 16622), (442, 16628), (491, 16691), (502, 16709), (508, 16727), (509, 16730), (533, 16784), (538, 16796), (571, 16859), (588, 16886), (623, 16949), (647, 16988), (654, 17000),

Gene: Rumpelstiltskin_17 Start: 16080, Stop: 16994, Start Num: 70

Candidate Starts for Rumpelstiltskin_17:

(Start: 70 @16080 has 85 MA's), (90, 16104), (Start: 108 @16134 has 38 MA's), (189, 16260), (237, 16332), (328, 16485), (329, 16488), (332, 16491), (351, 16521), (416, 16578), (429, 16602), (438, 16608), (491, 16677), (502, 16695), (509, 16716), (538, 16782), (571, 16845), (647, 16974), (654, 16986),

Gene: Ruriko_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Ruriko_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Ruthiejr_22 Start: 17121, Stop: 18254, Start Num: 33

Candidate Starts for Ruthiejr_22:

(Start: 33 @17121 has 231 MA's), (Start: 59 @17211 has 11 MA's), (80, 17241), (142, 17331), (167, 17373), (169, 17376), (176, 17388), (386, 17724), (390, 17730), (431, 17805), (471, 17883), (494, 17898), (513, 17931), (535, 17973), (537, 17976), (583, 18069), (648, 18183), (663, 18222), (668, 18240),

Gene: Ruthy_18 Start: 15266, Stop: 16327, Start Num: 76

Candidate Starts for Ruthy_18:

(Start: 76 @15266 has 18 MA's), (142, 15359), (167, 15401), (190, 15449), (233, 15527), (284, 15617), (293, 15641), (296, 15647), (348, 15719), (354, 15728), (356, 15731), (364, 15740), (394, 15782), (451, 15881), (484, 15950), (580, 16145), (626, 16223), (648, 16259), (662, 16295), (663, 16298),

Gene: RyeScarlet_29 Start: 20531, Stop: 21544, Start Num: 71

Candidate Starts for RyeScarlet_29:

(Start: 71 @20531 has 224 MA's), (86, 20549), (127, 20606), (143, 20624), (164, 20660), (265, 20840), (285, 20876), (306, 20906), (332, 20948), (432, 21107), (502, 21251), (529, 21314), (564, 21389), (571, 21401), (585, 21425),

Gene: Sachima_26 Start: 20527, Stop: 21540, Start Num: 71

Candidate Starts for Sachima_26:

(Start: 71 @20527 has 224 MA's), (86, 20545), (127, 20602), (143, 20620), (164, 20656), (265, 20836), (285, 20872), (306, 20902), (332, 20944), (432, 21103), (502, 21247), (529, 21310), (564, 21385), (571, 21397), (585, 21421),

Gene: Saintus_23 Start: 17615, Stop: 18637, Start Num: 78

Candidate Starts for Saintus_23:

(Start: 78 @17615 has 85 MA's), (159, 17738), (163, 17744), (196, 17816), (265, 17921), (279, 17948), (332, 18038), (451, 18239), (462, 18269), (463, 18272), (564, 18482), (586, 18521), (611, 18569), (622, 18584),

Gene: Salvador_30 Start: 24918, Stop: 25862, Start Num: 99

Candidate Starts for Salvador_30:

(Start: 99 @24918 has 32 MA's), (165, 25023), (201, 25092), (203, 25098), (217, 25122), (228, 25137), (462, 25497), (469, 25512), (485, 25530), (533, 25632), (548, 25674), (567, 25710), (608, 25785), (623, 25806), (653, 25857),

Gene: Salz_27 Start: 19727, Stop: 20749, Start Num: 71

Candidate Starts for Salz_27:

(Start: 71 @19727 has 224 MA's), (Start: 108 @19784 has 38 MA's), (159, 19859), (234, 19988), (265, 20048), (297, 20108), (306, 20114), (332, 20156), (364, 20201), (368, 20207), (418, 20291), (439, 20324), (571, 20606), (576, 20615), (585, 20630), (622, 20696),

Gene: SamScheppers_21 Start: 17028, Stop: 18161, Start Num: 33

Candidate Starts for SamScheppers_21:

(Start: 33 @17028 has 231 MA's), (38, 17046), (Start: 59 @17118 has 11 MA's), (80, 17148), (142, 17238), (167, 17280), (180, 17304), (233, 17409), (332, 17562), (386, 17631), (390, 17637), (471, 17790), (496, 17808), (513, 17838), (535, 17880), (537, 17883), (640, 18075), (648, 18090), (663, 18129), (668, 18147),

Gene: Samba_18 Start: 15871, Stop: 16731, Start Num: 87

Candidate Starts for Samba_18:

(Start: 87 @15871 has 24 MA's), (186, 16027), (230, 16108), (280, 16165), (286, 16174), (306, 16207), (392, 16315), (447, 16399), (496, 16465), (499, 16471), (578, 16600), (603, 16642),

Gene: Sampson_34 Start: 29722, Stop: 30699, Start Num: 84

Candidate Starts for Sampson_34:

(Start: 84 @29722 has 25 MA's), (136, 29797), (144, 29809), (165, 29845), (183, 29881), (237, 29983), (284, 30037), (334, 30109), (379, 30172), (386, 30181), (418, 30238), (437, 30271), (452, 30304), (453, 30307), (486, 30364), (538, 30460), (549, 30493), (555, 30502), (568, 30523), (586, 30550), (595, 30571), (601, 30580), (605, 30586), (625, 30619), (627, 30622), (660, 30676), (664, 30688),

Gene: Samty_18 Start: 16493, Stop: 17383, Start Num: 70

Candidate Starts for Samty_18:

(Start: 70 @16493 has 85 MA's), (90, 16517), (Start: 119 @16562 has 6 MA's), (127, 16577), (Start: 145 @16598 has 14 MA's), (196, 16694), (285, 16829), (290, 16838), (329, 16898), (332, 16901), (336, 16907), (389, 16979), (429, 17012), (491, 17087), (515, 17141), (525, 17162), (544, 17213), (571, 17255), (647, 17366), (649, 17369),

Gene: SamuelLPlaqson_22 Start: 15965, Stop: 17101, Start Num: 33

Candidate Starts for SamuelLPlaqson_22:

(Start: 33 @15965 has 231 MA's), (80, 16082), (142, 16172), (Start: 155 @16193 has 1 MA's), (167, 16214), (181, 16241), (292, 16442), (332, 16496), (341, 16502), (392, 16577), (433, 16652), (445, 16667), (535, 16820), (580, 16913), (590, 16937), (648, 17030), (663, 17069), (668, 17087),

Gene: Sanjuju_32 Start: 30017, Stop: 30973, Start Num: 93

Candidate Starts for Sanjuju_32:

(Start: 93 @30017 has 57 MA's), (203, 30203), (210, 30215), (228, 30242), (238, 30263), (280, 30323), (331, 30410), (334, 30413), (360, 30449), (384, 30482), (394, 30497), (401, 30509), (425, 30539), (431, 30545), (462, 30605), (513, 30695), (548, 30785), (561, 30809), (567, 30821), (602, 30887), (637, 30938),

Gene: Santhid_17 Start: 14146, Stop: 14988, Start Num: 145

Candidate Starts for Santhid_17:

(123, 14107), (Start: 145 @14146 has 14 MA's), (183, 14215), (196, 14245), (206, 14266), (233, 14299), (258, 14344), (392, 14551), (468, 14683), (544, 14812), (571, 14854), (603, 14914), (607, 14920), (631, 14959),

Gene: Sapo_15 Start: 13755, Stop: 14621, Start Num: 88

Candidate Starts for Sapo_15:

(Start: 88 @13755 has 1 MA's), (Start: 119 @13791 has 6 MA's), (143, 13827), (234, 13995), (235, 13998), (326, 14118), (355, 14148), (392, 14196), (394, 14199), (396, 14202), (408, 14226), (449, 14286), (513, 14373), (615, 14553),

Gene: Saronaya_33 Start: 28679, Stop: 29635, Start Num: 93

Candidate Starts for Saronaya_33:

(Start: 93 @28679 has 57 MA's), (181, 28820), (203, 28865), (210, 28877), (217, 28889), (228, 28904), (234, 28916), (253, 28943), (266, 28958), (280, 28985), (334, 29075), (360, 29111), (401, 29171), (431, 29207), (462, 29267), (513, 29357), (548, 29447), (561, 29471), (567, 29483), (602, 29549), (610, 29564), (629, 29588), (637, 29600),

Gene: Sarshaun_17 Start: 16107, Stop: 17021, Start Num: 70

Candidate Starts for Sarshaun_17:

(Start: 70 @16107 has 85 MA's), (Start: 108 @16161 has 38 MA's), (189, 16287), (237, 16359), (328, 16512), (329, 16515), (332, 16518), (351, 16548), (416, 16605), (429, 16629), (438, 16635), (491, 16704), (502, 16722), (509, 16743), (533, 16797), (538, 16809), (571, 16872), (647, 17001), (654, 17013),

Gene: Saskia_26 Start: 19730, Stop: 20752, Start Num: 71

Candidate Starts for Saskia_26:

(Start: 71 @19730 has 224 MA's), (Start: 108 @19787 has 38 MA's), (159, 19862), (234, 19991), (265, 20051), (297, 20111), (306, 20117), (332, 20159), (364, 20204), (368, 20210), (418, 20294), (439, 20327), (571, 20609), (576, 20618), (585, 20633), (622, 20699),

Gene: Savbucketdawg_30 Start: 24699, Stop: 25643, Start Num: 99

Candidate Starts for Savbucketdawg_30:

(Start: 99 @24699 has 32 MA's), (165, 24804), (201, 24873), (203, 24879), (217, 24903), (228, 24918), (462, 25278), (469, 25293), (485, 25311), (533, 25413), (548, 25455), (567, 25491), (623, 25587), (653, 25638),

Gene: Scarlett_21 Start: 15263, Stop: 16399, Start Num: 33

Candidate Starts for Scarlett_21:

(Start: 33 @15263 has 231 MA's), (80, 15380), (Start: 93 @15398 has 57 MA's), (Start: 155 @15491 has 1 MA's), (181, 15539), (292, 15740), (332, 15794), (369, 15839), (381, 15860), (412, 15914), (431, 15947), (445, 15965), (535, 16118), (537, 16121), (557, 16172), (580, 16211), (648, 16328), (663, 16367), (668, 16385),

Gene: Scherzo_28 Start: 20560, Stop: 21573, Start Num: 71

Candidate Starts for Scherzo_28:

(Start: 71 @20560 has 224 MA's), (86, 20578), (127, 20635), (143, 20653), (164, 20689), (265, 20869), (285, 20905), (306, 20935), (332, 20977), (432, 21136), (502, 21280), (529, 21343), (564, 21418), (571, 21430), (585, 21454),

Gene: Schiebel_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Schiebel_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Schmidt_19 Start: 13858, Stop: 14700, Start Num: 151

Candidate Starts for Schmidt_19:

(Start: 149 @13855 has 6 MA's), (Start: 151 @13858 has 5 MA's), (162, 13873), (169, 13879), (195, 13939), (197, 13942), (277, 14056), (284, 14068), (287, 14074), (308, 14101), (403, 14221), (429, 14272), (440, 14290), (482, 14350), (495, 14377), (514, 14410), (581, 14533), (630, 14614), (660, 14659), (662, 14668),

Gene: Schnabeltier_18 Start: 16103, Stop: 16966, Start Num: 155

Candidate Starts for Schnabeltier_18:

(39, 15905), (40, 15908), (Start: 94 @16022 has 5 MA's), (Start: 111 @16040 has 15 MA's), (Start: 119 @16049 has 6 MA's), (147, 16091), (Start: 155 @16103 has 1 MA's), (284, 16325), (307, 16370), (323, 16394), (330, 16400), (337, 16409), (342, 16415), (362, 16445), (386, 16475), (404, 16505), (406, 16511), (452, 16571), (453, 16574), (462, 16598), (497, 16655), (506, 16676), (537, 16742), (571, 16811), (652, 16949),

Gene: SchottB_32 Start: 29694, Stop: 30650, Start Num: 93

Candidate Starts for SchottB_32:

(Start: 93 @29694 has 57 MA's), (203, 29880), (210, 29892), (217, 29904), (228, 29919), (234, 29931), (253, 29958), (266, 29973), (280, 30000), (334, 30090), (360, 30126), (401, 30186), (414, 30210), (431, 30222), (462, 30282), (513, 30372), (561, 30486), (567, 30498), (602, 30564), (610, 30579), (629, 30603), (637, 30615),

Gene: Scioto_34 Start: 29777, Stop: 30754, Start Num: 84

Candidate Starts for Scioto_34:

(Start: 84 @29777 has 25 MA's), (136, 29852), (144, 29864), (165, 29900), (183, 29936), (237, 30038), (284, 30092), (334, 30164), (379, 30227), (386, 30236), (418, 30293), (437, 30326), (452, 30359), (453, 30362), (486, 30419), (538, 30515), (549, 30548), (555, 30557), (568, 30578), (586, 30605), (595, 30626), (601, 30635), (605, 30641), (625, 30674), (627, 30677), (660, 30731), (664, 30743),

Gene: Scorpia_24 Start: 17939, Stop: 18952, Start Num: 78

Candidate Starts for Scorpia_24:

(Start: 78 @17939 has 85 MA's), (163, 18068), (164, 18071), (183, 18110), (265, 18245), (281, 18275), (297, 18305), (306, 18311), (313, 18329), (332, 18353), (361, 18395), (571, 18809), (622, 18899),

Gene: Scuba_49 Start: 29835, Stop: 30755, Start Num: 96

Candidate Starts for Scuba_49:

(Start: 96 @29835 has 26 MA's), (152, 29916), (190, 29991), (216, 30042), (282, 30156), (422, 30363), (580, 30624), (613, 30687), (636, 30720),

Gene: Sedona_34 Start: 30954, Stop: 31910, Start Num: 93

Candidate Starts for Sedona_34:

(Start: 93 @30954 has 57 MA's), (203, 31140), (210, 31152), (228, 31179), (334, 31350), (360, 31386), (384, 31419), (394, 31434), (401, 31446), (425, 31476), (431, 31482), (462, 31542), (513, 31632), (548, 31722), (561, 31746), (567, 31758), (602, 31824), (610, 31839), (629, 31863), (637, 31875),

Gene: SemperFi_29 Start: 19522, Stop: 20538, Start Num: 71

Candidate Starts for SemperFi_29:

(Start: 71 @19522 has 224 MA's), (127, 19597), (143, 19615), (164, 19651), (183, 19690), (306, 19897), (329, 19936), (332, 19939), (480, 20206), (529, 20308), (564, 20383), (571, 20395), (622, 20485),

Gene: Sephiroth_27 Start: 21043, Stop: 21954, Start Num: 68

Candidate Starts for Sephiroth_27:

(Start: 68 @21043 has 28 MA's), (80, 21058), (261, 21349), (313, 21451), (328, 21469), (332, 21475), (429, 21586), (438, 21592), (462, 21640), (513, 21718), (514, 21721), (515, 21724), (537, 21772), (564, 21826), (588, 21868), (618, 21904), (620, 21907), (629, 21922),

Gene: Serenity_26 Start: 18134, Stop: 19144, Start Num: 71

Candidate Starts for Serenity_26:

(Start: 71 @18134 has 224 MA's), (Start: 108 @18188 has 38 MA's), (127, 18209), (143, 18227), (183, 18302), (285, 18479), (306, 18509), (329, 18548), (332, 18551), (364, 18596), (463, 18779), (529, 18914), (564, 18989), (571, 19001),

Gene: SgtBeansprout_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for SgtBeansprout_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: ShaboiShabazz_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for ShaboiShabazz_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Shadow1_20 Start: 15075, Stop: 16214, Start Num: 33

Candidate Starts for Shadow1_20:

(Start: 33 @15075 has 231 MA's), (80, 15195), (142, 15285), (181, 15354), (292, 15555), (392, 15690), (394, 15693), (431, 15762), (445, 15780), (469, 15840), (496, 15861), (513, 15891), (535, 15933), (537, 15936), (538, 15939), (580, 16026), (590, 16050), (640, 16128), (648, 16143), (663, 16182), (668, 16200),

Gene: Sham4_27 Start: 19733, Stop: 20755, Start Num: 71

Candidate Starts for Sham4_27:

(Start: 71 @19733 has 224 MA's), (Start: 108 @19790 has 38 MA's), (159, 19865), (234, 19994), (265, 20054), (297, 20114), (306, 20120), (332, 20162), (364, 20207), (368, 20213), (418, 20297), (439, 20330), (571, 20612), (576, 20621), (585, 20636), (622, 20702),

Gene: Shaobing_22 Start: 15375, Stop: 16514, Start Num: 33

Candidate Starts for Shaobing_22:

(Start: 33 @15375 has 231 MA's), (80, 15495), (142, 15585), (181, 15654), (232, 15753), (233, 15756), (292, 15855), (332, 15909), (392, 15990), (433, 16065), (445, 16080), (499, 16167), (513, 16191),

(535, 16233), (537, 16236), (557, 16287), (580, 16326), (628, 16410), (640, 16428), (648, 16443),
(663, 16482), (668, 16500),

Gene: ShawBrad_19 Start: 15516, Stop: 16439, Start Num: 116

Candidate Starts for ShawBrad_19:

(Start: 116 @15516 has 15 MA's), (Start: 119 @15519 has 6 MA's), (128, 15531), (140, 15549), (169, 15594), (190, 15633), (210, 15672), (232, 15705), (234, 15711), (277, 15780), (307, 15837), (309, 15840), (317, 15852), (337, 15876), (342, 15882), (352, 15900), (394, 15954), (401, 15966), (404, 15972), (422, 15993), (453, 16041), (459, 16059), (462, 16065), (469, 16080), (471, 16083), (545, 16236), (546, 16239), (550, 16245), (571, 16278), (583, 16296), (596, 16329), (631, 16380), (641, 16395), (658, 16431),

Gene: ShayRa_30 Start: 18241, Stop: 19218, Start Num: 74

Candidate Starts for ShayRa_30:

(Start: 74 @18241 has 22 MA's), (159, 18355), (163, 18361), (164, 18364), (292, 18598), (460, 18865), (498, 18919), (571, 19075),

Gene: SheaKeira_27 Start: 18709, Stop: 19731, Start Num: 71

Candidate Starts for SheaKeira_27:

(Start: 71 @18709 has 224 MA's), (86, 18727), (Start: 108 @18763 has 38 MA's), (127, 18784), (143, 18802), (164, 18838), (234, 18958), (265, 19018), (285, 19054), (306, 19084), (332, 19126), (426, 19276), (470, 19372), (474, 19378), (564, 19576), (571, 19588), (576, 19597), (585, 19612), (622, 19678),

Gene: SheckWes_16 Start: 14462, Stop: 15418, Start Num: 114

Candidate Starts for SheckWes_16:

(Start: 114 @14462 has 61 MA's), (144, 14507), (190, 14591), (217, 14645), (234, 14672), (272, 14723), (274, 14726), (277, 14732), (278, 14735), (305, 14789), (312, 14804), (342, 14849), (357, 14873), (373, 14888), (404, 14939), (462, 15035), (545, 15218), (546, 15221), (562, 15251), (567, 15260), (596, 15317), (631, 15368), (652, 15404), (654, 15410),

Gene: ShedlockHolmes_21 Start: 16440, Stop: 17576, Start Num: 33

Candidate Starts for ShedlockHolmes_21:

(Start: 33 @16440 has 231 MA's), (80, 16563), (124, 16626), (127, 16632), (147, 16662), (220, 16800), (232, 16821), (234, 16827), (273, 16884), (292, 16923), (311, 16953), (381, 17040), (404, 17076), (496, 17223), (513, 17253), (516, 17262), (535, 17295), (537, 17298), (538, 17301), (580, 17388), (630, 17475), (661, 17538), (663, 17544),

Gene: Sheng711_17 Start: 15761, Stop: 16579, Start Num: 119

Candidate Starts for Sheng711_17:

(Start: 70 @15692 has 85 MA's), (90, 15716), (Start: 106 @15743 has 1 MA's), (Start: 108 @15746 has 38 MA's), (Start: 119 @15761 has 6 MA's), (Start: 145 @15794 has 14 MA's), (196, 15890), (285, 16025), (290, 16034), (329, 16094), (332, 16097), (389, 16175), (418, 16190), (438, 16214), (459, 16247), (491, 16283), (504, 16307), (510, 16325), (514, 16334), (533, 16376), (542, 16403), (571, 16451), (588, 16478), (647, 16562),

Gene: ShiaSurprise_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for ShiaSurprise_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Shinji_30 Start: 24894, Stop: 25838, Start Num: 99

Candidate Starts for Shinji_30:

(Start: 99 @24894 has 32 MA's), (165, 24999), (201, 25068), (203, 25074), (217, 25098), (228, 25113), (462, 25473), (469, 25488), (485, 25506), (533, 25608), (548, 25650), (567, 25686), (623, 25782), (653, 25833),

Gene: Shivanishola_35 Start: 29916, Stop: 30872, Start Num: 93

Candidate Starts for Shivanishola_35:

(Start: 93 @29916 has 57 MA's), (203, 30102), (210, 30114), (228, 30141), (334, 30312), (360, 30348), (384, 30381), (394, 30396), (401, 30408), (425, 30438), (431, 30444), (462, 30504), (513, 30594), (548, 30684), (561, 30708), (567, 30720), (602, 30786), (610, 30801), (629, 30825), (637, 30837),

Gene: Shuman_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Shuman_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (265, 15786), (281, 15813), (332, 15891), (529, 16116), (535, 16134), (571, 16203), (649, 16341),

Gene: SilverChicken_18 Start: 12813, Stop: 13742, Start Num: 108

Candidate Starts for SilverChicken_18:

(Start: 108 @12813 has 38 MA's), (147, 12873), (177, 12924), (232, 13023), (234, 13029), (241, 13044), (317, 13164), (333, 13182), (381, 13248), (390, 13260), (421, 13305), (451, 13344), (453, 13350), (462, 13374), (463, 13377), (464, 13380), (469, 13389), (471, 13392), (510, 13458), (517, 13479), (518, 13482), (537, 13518), (545, 13545), (546, 13548), (571, 13587), (583, 13605), (585, 13611), (602, 13647), (606, 13653), (622, 13677), (627, 13683), (631, 13689),

Gene: Silverleaf_17 Start: 15865, Stop: 16746, Start Num: 70

Candidate Starts for Silverleaf_17:

(45, 15811), (Start: 59 @15847 has 11 MA's), (Start: 70 @15865 has 85 MA's), (90, 15889), (Start: 108 @15919 has 38 MA's), (Start: 119 @15934 has 6 MA's), (Start: 145 @15967 has 14 MA's), (237, 16111), (329, 16267), (332, 16270), (336, 16276), (368, 16321), (389, 16348), (438, 16387), (459, 16420), (463, 16429), (491, 16456), (542, 16576), (571, 16624), (620, 16690), (623, 16696), (647, 16735),

Gene: SirPhilip_21 Start: 14868, Stop: 16001, Start Num: 33

Candidate Starts for SirPhilip_21:

(Start: 33 @14868 has 231 MA's), (80, 14985), (Start: 155 @15096 has 1 MA's), (181, 15144), (233, 15246), (234, 15249), (292, 15345), (332, 15399), (381, 15462), (390, 15474), (431, 15549), (445, 15567), (471, 15630), (499, 15654), (514, 15681), (535, 15720), (537, 15723), (580, 15813), (630, 15900), (648, 15930), (660, 15957), (663, 15969), (668, 15987),

Gene: Sitar_34 Start: 31006, Stop: 31962, Start Num: 93

Candidate Starts for Sitar_34:

(Start: 93 @31006 has 57 MA's), (203, 31192), (210, 31204), (228, 31231), (238, 31252), (280, 31312), (331, 31399), (334, 31402), (360, 31438), (384, 31471), (394, 31486), (401, 31498), (425, 31528), (431, 31534), (462, 31594), (513, 31684), (548, 31774), (561, 31798), (567, 31810), (602, 31876), (637, 31927), (653, 31957),

Gene: Sixama_98 Start: 58478, Stop: 59413, Start Num: 94

Candidate Starts for Sixama_98:

(Start: 94 @58478 has 5 MA's), (107, 58493), (115, 58505), (169, 58601), (171, 58604), (181, 58625), (356, 58883), (377, 58913), (391, 58931), (398, 58940), (492, 59126), (515, 59168), (547, 59240), (549, 59243), (551, 59246), (568, 59273), (582, 59291), (590, 59312), (605, 59336), (633, 59381),

Gene: Sizemore_17 Start: 15478, Stop: 16650, Start Num: 33

Candidate Starts for Sizemore_17:

(5, 15145), (Start: 33 @15478 has 231 MA's), (80, 15598), (Start: 93 @15616 has 57 MA's), (124, 15661), (127, 15667), (165, 15730), (183, 15766), (218, 15835), (220, 15838), (232, 15859), (270, 15913), (292, 15958), (311, 15988), (390, 16090), (399, 16102), (404, 16114), (412, 16132), (496, 16297), (513, 16327), (526, 16345), (535, 16369), (591, 16489), (648, 16579), (661, 16612),

Gene: SketchMex_16 Start: 14412, Stop: 15383, Start Num: 114

Candidate Starts for SketchMex_16:

(Start: 114 @14412 has 61 MA's), (144, 14457), (156, 14478), (190, 14541), (201, 14565), (217, 14595), (272, 14673), (277, 14682), (278, 14685), (311, 14751), (342, 14799), (375, 14841), (394, 14871), (404, 14889), (437, 14940), (462, 15000), (469, 15015), (471, 15018), (486, 15042), (517, 15114), (528, 15132), (545, 15183), (546, 15186), (562, 15216), (567, 15225), (576, 15240), (606, 15297), (639, 15345), (652, 15369), (654, 15375),

Gene: Skinny_28 Start: 21457, Stop: 22368, Start Num: 66

Candidate Starts for Skinny_28:

(Start: 66 @21457 has 21 MA's), (135, 21559), (150, 21577), (159, 21592), (196, 21664), (201, 21673), (257, 21751), (328, 21886), (329, 21889), (332, 21892), (380, 21961), (429, 22003), (438, 22009), (523, 22150), (533, 22171), (538, 22183), (616, 22306), (623, 22318),

Gene: Sknot_27 Start: 19201, Stop: 20217, Start Num: 71

Candidate Starts for Sknot_27:

(Start: 71 @19201 has 224 MA's), (127, 19276), (143, 19294), (164, 19330), (183, 19369), (285, 19546), (306, 19576), (329, 19615), (332, 19618), (571, 20074), (585, 20098),

Gene: Skysand_42 Start: 29992, Stop: 30909, Start Num: 96

Candidate Starts for Skysand_42:

(Start: 96 @29992 has 26 MA's), (152, 30070), (190, 30145), (249, 30253), (297, 30337), (422, 30517), (426, 30523), (550, 30739), (580, 30778), (621, 30853), (630, 30865), (636, 30874), (648, 30895),

Gene: Slarp_23 Start: 17500, Stop: 18633, Start Num: 33

Candidate Starts for Slarp_23:

(Start: 33 @17500 has 231 MA's), (38, 17518), (Start: 59 @17590 has 11 MA's), (80, 17620), (142, 17710), (167, 17752), (180, 17776), (233, 17881), (332, 18034), (386, 18103), (390, 18109), (471, 18262), (496, 18280), (513, 18310), (535, 18352), (537, 18355), (648, 18562), (663, 18601), (668, 18619),

Gene: Sleepyhead_17 Start: 14846, Stop: 15721, Start Num: 71

Candidate Starts for Sleepyhead_17:

(26, 14705), (27, 14714), (Start: 71 @14846 has 224 MA's), (109, 14897), (113, 14903), (Start: 119 @14912 has 6 MA's), (154, 14972), (374, 15296), (380, 15308), (390, 15320), (394, 15326), (411, 15359), (424, 15380), (462, 15428), (513, 15494), (514, 15497), (516, 15503), (560, 15581), (570, 15596), (632, 15689),

Gene: SlimJimmy_26 Start: 21443, Stop: 22354, Start Num: 66

Candidate Starts for SlimJimmy_26:

(Start: 66 @21443 has 21 MA's), (135, 21545), (150, 21563), (159, 21578), (196, 21650), (201, 21659), (257, 21737), (328, 21872), (329, 21875), (332, 21878), (380, 21947), (429, 21989), (438, 21995), (523, 22136), (533, 22157), (538, 22169), (616, 22292), (623, 22304),

Gene: Slimphazie_22 Start: 16018, Stop: 17154, Start Num: 33

Candidate Starts for Slimphazie_22:

(Start: 33 @16018 has 231 MA's), (80, 16135), (142, 16225), (Start: 155 @16246 has 1 MA's), (167, 16267), (181, 16294), (332, 16549), (392, 16630), (433, 16705), (445, 16720), (513, 16831), (535, 16873), (580, 16966), (590, 16990), (648, 17083), (663, 17122), (668, 17140),

Gene: Smeadley_23 Start: 17633, Stop: 18655, Start Num: 78

Candidate Starts for Smeadley_23:

(Start: 78 @17633 has 85 MA's), (159, 17756), (163, 17762), (196, 17834), (265, 17939), (279, 17966), (332, 18056), (451, 18257), (462, 18287), (463, 18290), (564, 18500), (586, 18539), (611, 18587), (622, 18602),

Gene: Smeagan_29 Start: 19679, Stop: 20695, Start Num: 71

Candidate Starts for Smeagan_29:

(Start: 71 @19679 has 224 MA's), (127, 19754), (143, 19772), (164, 19808), (183, 19847), (306, 20054), (329, 20093), (332, 20096), (390, 20183), (480, 20363), (529, 20465), (564, 20540), (571, 20552),

Gene: SmellyB_30 Start: 18966, Stop: 19979, Start Num: 71

Candidate Starts for SmellyB_30:

(Start: 71 @18966 has 224 MA's), (Start: 108 @19020 has 38 MA's), (143, 19059), (196, 19164), (285, 19311), (306, 19341), (329, 19380), (332, 19383), (364, 19428), (403, 19488), (502, 19686), (571, 19836), (576, 19845),

Gene: SmokingBunny_30 Start: 24909, Stop: 25853, Start Num: 99

Candidate Starts for SmokingBunny_30:

(Start: 99 @24909 has 32 MA's), (165, 25014), (201, 25083), (203, 25089), (217, 25113), (228, 25128), (462, 25488), (469, 25503), (485, 25521), (533, 25623), (548, 25665), (567, 25701), (623, 25797), (653, 25848),

Gene: Smoothie_48 Start: 28706, Stop: 29593, Start Num: 87

Candidate Starts for Smoothie_48:

(Start: 87 @28706 has 24 MA's), (Start: 91 @28712 has 13 MA's), (123, 28760), (142, 28787), (182, 28859), (215, 28925), (232, 28955), (312, 29063), (390, 29156), (405, 29180), (411, 29195), (471, 29291), (513, 29339), (611, 29519), (634, 29555),

Gene: SnapTap_27 Start: 19105, Stop: 20121, Start Num: 71

Candidate Starts for SnapTap_27:

(Start: 71 @19105 has 224 MA's), (127, 19180), (143, 19198), (164, 19234), (183, 19273), (306, 19480), (329, 19519), (332, 19522), (480, 19789), (529, 19891), (564, 19966), (571, 19978), (622, 20068),

Gene: Snape_27 Start: 19733, Stop: 20755, Start Num: 71

Candidate Starts for Snape_27:

(Start: 71 @19733 has 224 MA's), (Start: 108 @19790 has 38 MA's), (159, 19865), (234, 19994), (265, 20054), (297, 20114), (306, 20120), (332, 20162), (364, 20207), (368, 20213), (418, 20297), (439, 20330), (571, 20612), (576, 20621), (585, 20636), (622, 20702),

Gene: Sneeze_17 Start: 15478, Stop: 16656, Start Num: 33

Candidate Starts for Sneeze_17:

(4, 15082), (5, 15142), (Start: 33 @15478 has 231 MA's), (80, 15604), (Start: 93 @15622 has 57 MA's), (124, 15667), (127, 15673), (165, 15736), (183, 15772), (218, 15841), (220, 15844), (232, 15865), (270, 15919), (311, 15994), (390, 16096), (399, 16108), (496, 16303), (513, 16333), (526, 16351), (535, 16375), (585, 16477), (591, 16495), (648, 16585), (661, 16618),

Gene: Snenia_18 Start: 16491, Stop: 17381, Start Num: 70

Candidate Starts for Snenia_18:

(Start: 70 @16491 has 85 MA's), (90, 16515), (Start: 119 @16560 has 6 MA's), (127, 16575), (Start: 145 @16596 has 14 MA's), (196, 16692), (285, 16827), (290, 16836), (329, 16896), (332, 16899), (336, 16905), (389, 16977), (429, 17010), (442, 17022), (491, 17085), (515, 17139), (525, 17160), (544, 17211), (571, 17253), (647, 17364), (649, 17367),

Gene: SoJulia_17 Start: 16073, Stop: 16987, Start Num: 70

Candidate Starts for SoJulia_17:

(Start: 70 @16073 has 85 MA's), (90, 16097), (Start: 108 @16127 has 38 MA's), (189, 16253), (237, 16325), (328, 16478), (329, 16481), (332, 16484), (351, 16514), (416, 16571), (429, 16595), (438, 16601), (491, 16670), (502, 16688), (509, 16709), (538, 16775), (571, 16838), (647, 16967), (654, 16979),

Gene: SoSeph_20 Start: 16471, Stop: 17601, Start Num: 37

Candidate Starts for SoSeph_20:

(Start: 37 @16471 has 23 MA's), (124, 16645), (165, 16711), (167, 16714), (181, 16741), (232, 16840), (292, 16942), (332, 16996), (357, 17026), (381, 17062), (383, 17065), (390, 17074), (431, 17149), (433, 17152), (453, 17188), (471, 17230), (496, 17248), (499, 17254), (513, 17278), (514, 17281), (516, 17287), (535, 17320), (648, 17530), (663, 17569), (668, 17587),

Gene: Soap141_17 Start: 16107, Stop: 17021, Start Num: 70

Candidate Starts for Soap141_17:

(Start: 70 @16107 has 85 MA's), (Start: 108 @16161 has 38 MA's), (189, 16287), (237, 16359), (328, 16512), (329, 16515), (332, 16518), (351, 16548), (416, 16605), (429, 16629), (438, 16635), (491, 16704), (502, 16722), (509, 16743), (533, 16797), (538, 16809), (571, 16872), (647, 17001), (654, 17013),

Gene: Socotra_18 Start: 14764, Stop: 15735, Start Num: 114

Candidate Starts for Socotra_18:

(Start: 114 @14764 has 61 MA's), (144, 14809), (156, 14830), (190, 14893), (201, 14917), (217, 14947), (239, 14986), (272, 15025), (277, 15034), (278, 15037), (311, 15103), (342, 15151), (375, 15193), (404, 15241), (437, 15292), (462, 15352), (469, 15367), (471, 15370), (483, 15388), (486, 15394), (506, 15439), (517, 15466), (528, 15484), (545, 15535), (546, 15538), (562, 15568), (567, 15577), (576, 15592), (606, 15649), (639, 15697), (652, 15721), (654, 15727),

Gene: Sopespian_17 Start: 14765, Stop: 15736, Start Num: 114

Candidate Starts for Sopespian_17:

(Start: 114 @14765 has 61 MA's), (144, 14810), (156, 14831), (190, 14894), (201, 14918), (217, 14948), (239, 14987), (272, 15026), (277, 15035), (278, 15038), (311, 15104), (342, 15152), (375, 15194), (404, 15242), (437, 15293), (462, 15353), (469, 15368), (471, 15371), (483, 15389), (486, 15395), (506, 15440), (517, 15467), (528, 15485), (546, 15539), (562, 15569), (567, 15578), (576, 15593), (606, 15650), (639, 15698), (652, 15722), (654, 15728),

Gene: SororFago_26 Start: 18177, Stop: 19199, Start Num: 71

Candidate Starts for SororFago_26:

(Start: 71 @18177 has 224 MA's), (86, 18195), (Start: 108 @18231 has 38 MA's), (127, 18252), (143, 18270), (203, 18390), (285, 18522), (306, 18552), (329, 18591), (332, 18594), (455, 18804), (470, 18840), (502, 18906), (571, 19056), (585, 19080),

Gene: Soul22_18 Start: 12811, Stop: 13740, Start Num: 108

Candidate Starts for Soul22_18:

(Start: 108 @12811 has 38 MA's), (147, 12871), (177, 12922), (232, 13021), (234, 13027), (241, 13042), (317, 13162), (333, 13180), (381, 13246), (390, 13258), (421, 13303), (451, 13342), (453, 13348), (462, 13372), (463, 13375), (464, 13378), (510, 13456), (517, 13477), (518, 13480), (537, 13516), (545, 13543), (546, 13546), (571, 13585), (583, 13603), (585, 13609), (602, 13645), (622, 13675), (627, 13681), (631, 13687),

Gene: Soups_29 Start: 18241, Stop: 19218, Start Num: 74

Candidate Starts for Soups_29:

(Start: 74 @18241 has 22 MA's), (159, 18355), (163, 18361), (164, 18364), (292, 18598), (460, 18865), (498, 18919), (571, 19075),

Gene: Sparky_15 Start: 15127, Stop: 16143, Start Num: 52

Candidate Starts for Sparky_15:

(Start: 52 @15127 has 2 MA's), (53, 15136), (Start: 73 @15166 has 1 MA's), (120, 15235), (132, 15256), (201, 15376), (204, 15385), (249, 15472), (285, 15538), (332, 15625), (336, 15631), (416, 15715), (429, 15739), (436, 15742), (544, 15940), (556, 15952), (576, 15991), (594, 16018), (603, 16033), (654, 16123),

Gene: SpeedDemon_310 Start: 28038, Stop: 28922, Start Num: 87

Candidate Starts for SpeedDemon_310:

(Start: 87 @28038 has 24 MA's), (Start: 105 @28059 has 1 MA's), (142, 28113), (182, 28185), (186, 28194), (269, 28314), (300, 28365), (306, 28374), (332, 28410), (390, 28482), (394, 28488), (471, 28617), (513, 28665), (548, 28740), (578, 28788),

Gene: Splinter_21 Start: 15645, Stop: 16475, Start Num: 151

Candidate Starts for Splinter_21:

(Start: 149 @15642 has 6 MA's), (Start: 151 @15645 has 5 MA's), (169, 15660), (187, 15699), (195, 15720), (197, 15723), (292, 15867), (429, 16053), (471, 16122), (536, 16224), (579, 16305), (581, 16308), (630, 16389), (634, 16395), (642, 16407), (644, 16410), (660, 16434),

Gene: Spock_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Spock_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Spooky_19 Start: 15489, Stop: 16412, Start Num: 116

Candidate Starts for Spooky_19:

(Start: 116 @15489 has 15 MA's), (Start: 119 @15492 has 6 MA's), (128, 15504), (140, 15522), (169, 15567), (177, 15582), (182, 15594), (190, 15606), (210, 15645), (232, 15678), (277, 15753), (305, 15807), (309, 15813), (337, 15849), (342, 15855), (394, 15927), (401, 15939), (404, 15945), (450, 16005), (453, 16014), (462, 16038), (469, 16053), (471, 16056), (504, 16110), (545, 16209), (546, 16212), (550, 16218), (571, 16251), (580, 16266), (583, 16269), (598, 16305),

Gene: Spouty_28 Start: 20557, Stop: 21570, Start Num: 71

Candidate Starts for Spouty_28:

(Start: 71 @20557 has 224 MA's), (86, 20575), (127, 20632), (143, 20650), (164, 20686), (265, 20866), (285, 20902), (306, 20932), (332, 20974), (432, 21133), (502, 21277), (529, 21340), (564, 21415), (571, 21427), (585, 21451),

Gene: Sprinklemunch_17 Start: 15003, Stop: 16091, Start Num: 58

Candidate Starts for Sprinklemunch_17:

(58, 15003), (Start: 76 @15030 has 18 MA's), (142, 15123), (167, 15165), (190, 15213), (284, 15381), (293, 15405), (296, 15411), (348, 15483), (354, 15492), (356, 15495), (451, 15645), (461, 15672), (484, 15714), (511, 15762), (583, 15912), (605, 15954), (626, 15987), (645, 16017), (648, 16023), (662, 16059), (663, 16062),

Gene: Squiddly_21 Start: 16901, Stop: 17824, Start Num: 116

Candidate Starts for Squiddly_21:

(Start: 116 @16901 has 15 MA's), (Start: 119 @16904 has 6 MA's), (128, 16916), (140, 16934), (169, 16979), (177, 16994), (182, 17006), (190, 17018), (210, 17057), (232, 17090), (277, 17165), (305, 17219), (307, 17222), (309, 17225), (317, 17237), (333, 17255), (337, 17261), (342, 17267), (394, 17339), (401, 17351), (404, 17357), (422, 17378), (453, 17426), (462, 17450), (469, 17465), (471, 17468), (545, 17621), (546, 17624), (550, 17630), (571, 17663), (580, 17678), (583, 17681), (598, 17717), (631, 17765),

Gene: StCroix_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for StCroix_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: StarStruck_41 Start: 29510, Stop: 30433, Start Num: 96

Candidate Starts for StarStruck_41:

(Start: 96 @29510 has 26 MA's), (152, 29597), (173, 29633), (190, 29672), (422, 30041), (513, 30185), (580, 30302), (636, 30398), (640, 30404), (648, 30419),

Gene: StarStuff_30 Start: 19042, Stop: 20052, Start Num: 71

Candidate Starts for StarStuff_30:

(Start: 71 @19042 has 224 MA's), (Start: 108 @19096 has 38 MA's), (127, 19117), (143, 19135), (240, 19306), (281, 19381), (306, 19417), (329, 19456), (332, 19459), (364, 19504), (529, 19822), (564, 19897), (571, 19909), (585, 19933), (622, 19999),

Gene: Starburst_18 Start: 14764, Stop: 15735, Start Num: 114

Candidate Starts for Starburst_18:

(Start: 114 @14764 has 61 MA's), (144, 14809), (156, 14830), (190, 14893), (201, 14917), (217, 14947), (239, 14986), (272, 15025), (277, 15034), (278, 15037), (311, 15103), (342, 15151), (375, 15193), (404, 15241), (437, 15292), (462, 15352), (469, 15367), (471, 15370), (483, 15388), (486, 15394), (506, 15439), (517, 15466), (528, 15484), (545, 15535), (546, 15538), (562, 15568), (567, 15577), (576, 15592), (606, 15649), (639, 15697), (652, 15721), (654, 15727),

Gene: Stargaze_17 Start: 15800, Stop: 16978, Start Num: 33

Candidate Starts for Stargaze_17:

(Start: 33 @15800 has 231 MA's), (Start: 93 @15944 has 57 MA's), (127, 15995), (167, 16061), (169, 16064), (218, 16163), (220, 16166), (233, 16190), (265, 16235), (270, 16241), (399, 16430), (429, 16490), (483, 16598), (488, 16610), (513, 16655), (535, 16697), (626, 16871), (628, 16874), (640, 16892), (660, 16934), (661, 16940),

Gene: SteamedHams_19 Start: 14430, Stop: 15401, Start Num: 114

Candidate Starts for SteamedHams_19:

(Start: 114 @14430 has 61 MA's), (144, 14475), (156, 14496), (165, 14511), (177, 14532), (201, 14583), (217, 14613), (234, 14640), (272, 14691), (277, 14700), (278, 14703), (305, 14757), (311, 14769), (342, 14817), (404, 14907), (437, 14958), (451, 14988), (462, 15018), (471, 15036), (517, 15132), (528, 15150), (545, 15201), (546, 15204), (562, 15234), (567, 15243), (576, 15258), (606, 15315), (639, 15363), (652, 15387), (654, 15393),

Gene: Steamy_28 Start: 20226, Stop: 21242, Start Num: 71

Candidate Starts for Steamy_28:

(Start: 71 @20226 has 224 MA's), (127, 20301), (143, 20319), (164, 20355), (183, 20394), (196, 20424), (306, 20601), (332, 20643), (390, 20730), (519, 20997), (571, 21099),

Gene: Stellammi_15 Start: 12876, Stop: 13808, Start Num: 167

Candidate Starts for Stellammi_15:

(53, 12708), (62, 12723), (137, 12831), (147, 12843), (165, 12873), (167, 12876), (180, 12900), (181, 12903), (190, 12924), (191, 12927), (230, 12996), (232, 13002), (273, 13080), (275, 13083), (306, 13137), (326, 13167), (341, 13179), (381, 13239), (390, 13251), (396, 13260), (435, 13332), (445, 13353), (447, 13356), (454, 13377), (456, 13383), (477, 13428), (517, 13503), (535, 13527), (537, 13530), (538, 13533), (545, 13560), (569, 13602), (571, 13605), (580, 13620), (586, 13632), (587, 13635), (601, 13659), (605, 13665), (640, 13722), (645, 13731), (648, 13737), (662, 13773), (668, 13794),

Gene: Stephig9_23 Start: 17614, Stop: 18636, Start Num: 78

Candidate Starts for Stephig9_23:

(Start: 78 @17614 has 85 MA's), (159, 17737), (163, 17743), (196, 17815), (265, 17920), (281, 17950), (332, 18037), (410, 18157), (451, 18238), (462, 18268), (463, 18271), (519, 18391), (564, 18481), (586, 18520), (611, 18568), (622, 18583),

Gene: Stickynote_32 Start: 27883, Stop: 28749, Start Num: 85

Candidate Starts for Stickynote_32:

(Start: 85 @27883 has 15 MA's), (102, 27907), (131, 27952), (165, 28012), (184, 28051), (235, 28147), (332, 28309), (358, 28342), (422, 28417), (443, 28441), (529, 28516), (554, 28582), (580, 28618), (628, 28702),

Gene: Stinson_22 Start: 15984, Stop: 17120, Start Num: 33

Candidate Starts for Stinson_22:

(Start: 33 @15984 has 231 MA's), (80, 16101), (Start: 155 @16212 has 1 MA's), (167, 16233), (181, 16260), (233, 16362), (332, 16515), (392, 16596), (433, 16671), (445, 16686), (513, 16797), (535, 16839), (580, 16932), (590, 16956), (648, 17049), (663, 17088), (668, 17106),

Gene: StorminNorm_33 Start: 28561, Stop: 29517, Start Num: 93

Candidate Starts for StorminNorm_33:

(Start: 93 @28561 has 57 MA's), (203, 28747), (210, 28759), (217, 28771), (228, 28786), (234, 28798), (253, 28825), (266, 28840), (280, 28867), (334, 28957), (360, 28993), (401, 29053), (414, 29077), (431, 29089), (462, 29149), (513, 29239), (561, 29353), (567, 29365), (602, 29431), (610, 29446), (629, 29470), (637, 29482),

Gene: Strobilo_18 Start: 13892, Stop: 15019, Start Num: 35

Candidate Starts for Strobilo_18:

(Start: 35 @13892 has 11 MA's), (38, 13901), (80, 14003), (142, 14093), (167, 14135), (169, 14138), (181, 14162), (232, 14261), (273, 14324), (292, 14363), (332, 14417), (381, 14483), (390, 14495), (417, 14546), (431, 14570), (471, 14648), (496, 14666), (513, 14696), (516, 14705), (535, 14738), (537, 14741), (590, 14855), (640, 14933), (648, 14948), (663, 14987), (668, 15005),

Gene: Strosahl_29 Start: 18083, Stop: 19060, Start Num: 74

Candidate Starts for Strosahl_29:

(Start: 74 @18083 has 22 MA's), (159, 18197), (163, 18203), (164, 18206), (292, 18440), (460, 18707), (498, 18761), (571, 18917),

Gene: Stultus_32 Start: 28933, Stop: 29889, Start Num: 93

Candidate Starts for Stultus_32:

(Start: 93 @28933 has 57 MA's), (203, 29119), (210, 29131), (228, 29158), (238, 29179), (280, 29239), (331, 29326), (334, 29329), (360, 29365), (384, 29398), (394, 29413), (401, 29425), (425, 29455), (431, 29461), (462, 29521), (513, 29611), (548, 29701), (561, 29725), (567, 29737), (602, 29803), (629, 29842), (637, 29854), (653, 29884),

Gene: Sukkupi_42 Start: 28532, Stop: 29452, Start Num: 100

Candidate Starts for Sukkupi_42:

(Start: 100 @28532 has 8 MA's), (152, 28613), (178, 28658), (209, 28727), (306, 28895), (370, 28979), (401, 29030), (426, 29063), (543, 29261), (550, 29279), (580, 29321), (632, 29411), (636, 29417), (648, 29438),

Gene: Sulley_22 Start: 15984, Stop: 17120, Start Num: 33

Candidate Starts for Sulley_22:

(Start: 33 @15984 has 231 MA's), (80, 16101), (142, 16191), (Start: 155 @16212 has 1 MA's), (167, 16233), (181, 16260), (332, 16515), (392, 16596), (433, 16671), (445, 16686), (513, 16797), (535, 16839), (580, 16932), (590, 16956), (648, 17049), (663, 17088), (668, 17106),

Gene: SummitAcademy_16 Start: 14542, Stop: 15498, Start Num: 114

Candidate Starts for SummitAcademy_16:

(Start: 114 @14542 has 61 MA's), (144, 14587), (177, 14644), (190, 14671), (217, 14725), (234, 14752), (272, 14803), (274, 14806), (277, 14812), (278, 14815), (305, 14869), (312, 14884), (342, 14929), (357, 14953), (373, 14968), (404, 15019), (462, 15115), (546, 15301), (562, 15331), (567, 15340), (596, 15397), (631, 15448), (652, 15484), (654, 15490),

Gene: Sunflower1121_20 Start: 15087, Stop: 16226, Start Num: 33

Candidate Starts for Sunflower1121_20:

(Start: 33 @15087 has 231 MA's), (80, 15207), (142, 15297), (181, 15366), (292, 15567), (392, 15702), (394, 15705), (431, 15774), (445, 15792), (469, 15852), (496, 15873), (513, 15903), (535, 15945), (537, 15948), (538, 15951), (580, 16038), (590, 16062), (640, 16140), (648, 16155), (663, 16194), (668, 16212),

Gene: Sunhee_25 Start: 18210, Stop: 19235, Start Num: 69

Candidate Starts for Sunhee_25:

(Start: 69 @18210 has 1 MA's), (143, 18306), (164, 18342), (166, 18345), (265, 18522), (285, 18558), (306, 18588), (332, 18630), (364, 18675), (403, 18735), (470, 18876), (474, 18882), (571, 19092), (585, 19116), (622, 19182),

Gene: SuperAwesome_30 Start: 18959, Stop: 19972, Start Num: 71

Candidate Starts for SuperAwesome_30:

(Start: 71 @18959 has 224 MA's), (Start: 108 @19013 has 38 MA's), (143, 19052), (196, 19157), (285, 19304), (306, 19334), (329, 19373), (332, 19376), (364, 19421), (403, 19481), (502, 19679), (571, 19829), (576, 19838),

Gene: SuperCallie99_30 Start: 18958, Stop: 19971, Start Num: 71

Candidate Starts for SuperCallie99_30:

(Start: 71 @18958 has 224 MA's), (Start: 108 @19012 has 38 MA's), (143, 19051), (196, 19156), (285, 19303), (306, 19333), (329, 19372), (332, 19375), (364, 19420), (403, 19480), (502, 19678), (571, 19828), (576, 19837),

Gene: SuperSulley_41 Start: 29704, Stop: 30621, Start Num: 97

Candidate Starts for SuperSulley_41:

(Start: 97 @29704 has 6 MA's), (152, 29785), (173, 29821), (216, 29911), (249, 29968), (401, 30202), (422, 30229), (453, 30280), (513, 30373), (580, 30490), (636, 30586), (640, 30592), (648, 30607),

Gene: Superchunk_26 Start: 17822, Stop: 18838, Start Num: 71

Candidate Starts for Superchunk_26:

(Start: 71 @17822 has 224 MA's), (138, 17915), (148, 17930), (164, 17957), (306, 18203), (329, 18242), (332, 18245), (364, 18290), (418, 18380), (463, 18473), (480, 18506), (529, 18608), (552, 18659), (564, 18683), (571, 18695), (585, 18719), (622, 18785),

Gene: Survivors_19 Start: 15594, Stop: 16559, Start Num: 114

Candidate Starts for Survivors_19:

(Start: 114 @15594 has 61 MA's), (144, 15639), (165, 15675), (177, 15696), (190, 15723), (217, 15777), (272, 15858), (277, 15867), (278, 15870), (311, 15939), (342, 15987), (404, 16077), (414, 16092), (447, 16131), (517, 16287), (545, 16353), (546, 16356), (548, 16359), (562, 16386), (567, 16395), (583, 16419), (596, 16452), (608, 16470), (635, 16515), (652, 16545), (654, 16551),

Gene: Swann_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for Swann_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: SweatNTears_19 Start: 14923, Stop: 15894, Start Num: 114

Candidate Starts for SweatNTears_19:

(Start: 114 @14923 has 61 MA's), (144, 14968), (156, 14989), (190, 15052), (201, 15076), (217, 15106), (272, 15184), (277, 15193), (278, 15196), (311, 15262), (342, 15310), (375, 15352), (394, 15382), (404, 15400), (437, 15451), (462, 15511), (469, 15526), (471, 15529), (486, 15553), (517, 15625), (528, 15643), (545, 15694), (546, 15697), (562, 15727), (567, 15736), (576, 15751), (606, 15808), (639, 15856), (652, 15880), (654, 15886),

Gene: SweetiePie_27 Start: 19105, Stop: 20121, Start Num: 71

Candidate Starts for SweetiePie_27:

(Start: 71 @19105 has 224 MA's), (127, 19180), (143, 19198), (164, 19234), (183, 19273), (306, 19480), (329, 19519), (332, 19522), (480, 19789), (529, 19891), (564, 19966), (571, 19978), (622, 20068),

Gene: Sweets_17 Start: 15472, Stop: 16644, Start Num: 33

Candidate Starts for Sweets_17:

(5, 15139), (Start: 33 @15472 has 231 MA's), (80, 15592), (Start: 93 @15610 has 57 MA's), (124, 15655), (127, 15661), (165, 15724), (183, 15760), (218, 15829), (220, 15832), (232, 15853), (270, 15907), (292, 15952), (311, 15982), (390, 16084), (399, 16096), (404, 16108), (412, 16126), (496, 16291), (513, 16321), (526, 16339), (535, 16363), (591, 16483), (648, 16573), (661, 16606),

Gene: SwirlSquare_29 Start: 17991, Stop: 19001, Start Num: 71

Candidate Starts for SwirlSquare_29:

(Start: 71 @17991 has 224 MA's), (127, 18066), (143, 18084), (306, 18366), (329, 18405), (332, 18408), (418, 18543), (463, 18636), (564, 18846), (571, 18858), (585, 18882), (622, 18948),

Gene: Swirley_23 Start: 18624, Stop: 19637, Start Num: 78

Candidate Starts for Swirley_23:

(Start: 78 @18624 has 85 MA's), (143, 18720), (163, 18753), (164, 18756), (183, 18795), (265, 18930), (297, 18990), (306, 18996), (313, 19014), (332, 19038), (361, 19080), (519, 19392), (571, 19494), (622, 19584),

Gene: Switzerland_29 Start: 18234, Stop: 19211, Start Num: 74

Candidate Starts for Switzerland_29:

(Start: 74 @18234 has 22 MA's), (159, 18348), (163, 18354), (164, 18357), (292, 18591), (460, 18858), (498, 18912), (571, 19068),

Gene: SydNat_23 Start: 18826, Stop: 19839, Start Num: 78

Candidate Starts for SydNat_23:

(Start: 78 @18826 has 85 MA's), (143, 18922), (163, 18955), (164, 18958), (183, 18997), (204, 19045), (306, 19198), (313, 19216), (332, 19240), (361, 19282), (519, 19594), (571, 19696), (586, 19723),

Gene: Syleon_27 Start: 20965, Stop: 21876, Start Num: 68

Candidate Starts for Syleon_27:

(Start: 68 @20965 has 28 MA's), (80, 20980), (261, 21271), (313, 21373), (328, 21391), (332, 21397), (429, 21508), (438, 21514), (462, 21562), (513, 21640), (514, 21643), (515, 21646), (537, 21694), (564, 21748), (588, 21790), (618, 21826), (620, 21829), (629, 21844),

Gene: Syra333_21 Start: 15182, Stop: 16321, Start Num: 33

Candidate Starts for Syra333_21:

(Start: 33 @15182 has 231 MA's), (80, 15302), (142, 15392), (181, 15461), (292, 15662), (332, 15716), (431, 15869), (445, 15887), (496, 15968), (516, 16007), (535, 16040), (580, 16133), (590, 16157), (640, 16235), (648, 16250), (663, 16289), (668, 16307),

Gene: TBond007_21 Start: 16221, Stop: 17357, Start Num: 33

Candidate Starts for TBond007_21:

(Start: 33 @16221 has 231 MA's), (80, 16344), (124, 16407), (127, 16413), (147, 16443), (167, 16476), (220, 16581), (232, 16602), (234, 16608), (273, 16665), (311, 16734), (381, 16821), (404, 16857), (496, 17004), (513, 17034), (516, 17043), (535, 17076), (537, 17079), (538, 17082), (580, 17169), (630, 17256), (661, 17319), (663, 17325),

Gene: TClif_21 Start: 15218, Stop: 16354, Start Num: 33

Candidate Starts for TClif_21:

(Start: 33 @15218 has 231 MA's), (80, 15335), (124, 15398), (181, 15494), (232, 15593), (233, 15596), (292, 15695), (431, 15902), (433, 15905), (471, 15983), (535, 16073), (538, 16079), (580, 16166), (648, 16283), (660, 16310), (663, 16322), (668, 16340),

Gene: TM4_18 Start: 13970, Stop: 15097, Start Num: 35

Candidate Starts for TM4_18:

(Start: 35 @13970 has 11 MA's), (38, 13979), (80, 14081), (142, 14171), (167, 14213), (169, 14216), (181, 14240), (232, 14339), (273, 14402), (292, 14441), (332, 14495), (381, 14561), (390, 14573), (417, 14624), (431, 14648), (471, 14726), (496, 14744), (513, 14774), (535, 14816), (537, 14819), (590, 14933), (640, 15011), (648, 15026), (663, 15065), (668, 15083),

Gene: TPA4_18 Start: 16629, Stop: 17726, Start Num: 48

Candidate Starts for TPA4_18:

(7, 16287), (Start: 48 @16629 has 1 MA's), (Start: 93 @16710 has 57 MA's), (124, 16755), (252, 16986), (332, 17121), (386, 17193), (390, 17199), (410, 17238), (513, 17400), (533, 17433), (569, 17511), (640, 17637), (661, 17685), (663, 17691),

Gene: TWAMP_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for TWAMP_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (265, 15786), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191),

(571, 16203), (591, 16245), (649, 16341),

Gene: TZGordon_23 Start: 15781, Stop: 16614, Start Num: 149

Candidate Starts for TZGordon_23:

(Start: 149 @15781 has 6 MA's), (Start: 151 @15784 has 5 MA's), (169, 15799), (187, 15838), (195, 15859), (197, 15862), (292, 16006), (429, 16192), (489, 16279), (536, 16363), (579, 16444), (630, 16528), (634, 16534), (642, 16546), (644, 16549), (660, 16573),

Gene: Tachez_22 Start: 15980, Stop: 17116, Start Num: 33

Candidate Starts for Tachez_22:

(Start: 33 @15980 has 231 MA's), (80, 16097), (142, 16187), (Start: 155 @16208 has 1 MA's), (167, 16229), (181, 16256), (332, 16511), (392, 16592), (433, 16667), (445, 16682), (513, 16793), (535, 16835), (580, 16928), (590, 16952), (648, 17045), (663, 17084), (668, 17102),

Gene: Taheera_17 Start: 15491, Stop: 16666, Start Num: 33

Candidate Starts for Taheera_17:

(4, 15095), (5, 15155), (Start: 33 @15491 has 231 MA's), (80, 15614), (Start: 93 @15632 has 57 MA's), (124, 15677), (127, 15683), (165, 15746), (183, 15782), (218, 15851), (220, 15854), (232, 15875), (270, 15929), (311, 16004), (390, 16106), (399, 16118), (496, 16313), (513, 16343), (526, 16361), (535, 16385), (585, 16487), (591, 16505), (648, 16595), (661, 16628),

Gene: Tailonex_23 Start: 19675, Stop: 20532, Start Num: 78

Candidate Starts for Tailonex_23:

(Start: 78 @19675 has 85 MA's), (Start: 84 @19684 has 25 MA's), (104, 19717), (127, 19753), (332, 20083), (366, 20125), (381, 20140), (520, 20290), (537, 20326), (538, 20329), (552, 20356), (571, 20392),

Gene: TaiwanKao_23 Start: 15991, Stop: 17127, Start Num: 33

Candidate Starts for TaiwanKao_23:

(Start: 33 @15991 has 231 MA's), (80, 16108), (142, 16198), (Start: 155 @16219 has 1 MA's), (167, 16240), (181, 16267), (332, 16522), (392, 16603), (433, 16678), (445, 16693), (513, 16804), (535, 16846), (580, 16939), (586, 16951), (590, 16963), (648, 17056), (663, 17095), (668, 17113),

Gene: Takoda_22 Start: 15440, Stop: 16312, Start Num: 78

Candidate Starts for Takoda_22:

(Start: 78 @15440 has 85 MA's), (101, 15479), (163, 15566), (194, 15635), (249, 15713), (332, 15851), (428, 15947), (529, 16076), (535, 16094), (571, 16163), (649, 16301),

Gene: Tangent_34 Start: 29370, Stop: 30326, Start Num: 93

Candidate Starts for Tangent_34:

(Start: 93 @29370 has 57 MA's), (203, 29556), (210, 29568), (228, 29595), (238, 29616), (280, 29676), (331, 29763), (334, 29766), (360, 29802), (384, 29835), (394, 29850), (401, 29862), (425, 29892), (431, 29898), (462, 29958), (513, 30048), (548, 30138), (561, 30162), (567, 30174), (602, 30240), (629, 30279), (637, 30291), (653, 30321),

Gene: Tangerine_33 Start: 28564, Stop: 29520, Start Num: 93

Candidate Starts for Tangerine_33:

(Start: 93 @28564 has 57 MA's), (181, 28705), (203, 28750), (210, 28762), (217, 28774), (228, 28789), (234, 28801), (253, 28828), (266, 28843), (280, 28870), (334, 28960), (360, 28996), (401, 29056), (431, 29092), (462, 29152), (513, 29242), (548, 29332), (561, 29356), (567, 29368), (602, 29434), (610, 29449), (629, 29473), (637, 29485),

Gene: Taquito_21 Start: 17109, Stop: 18242, Start Num: 33

Candidate Starts for Taquito_21:

(Start: 33 @17109 has 231 MA's), (38, 17127), (Start: 59 @17199 has 11 MA's), (80, 17229), (142, 17319), (167, 17361), (180, 17385), (233, 17490), (332, 17643), (386, 17712), (390, 17718), (471, 17871), (496, 17889), (513, 17919), (535, 17961), (537, 17964), (640, 18156), (648, 18171), (663, 18210), (668, 18228),

Gene: Tardus_35 Start: 29129, Stop: 30115, Start Num: 84

Candidate Starts for Tardus_35:

(Start: 84 @29129 has 25 MA's), (129, 29201), (144, 29225), (165, 29261), (183, 29297), (284, 29453), (334, 29525), (379, 29588), (386, 29597), (418, 29654), (437, 29687), (452, 29720), (453, 29723), (538, 29876), (549, 29909), (555, 29918), (568, 29939), (586, 29966), (595, 29987), (601, 29996), (605, 30002), (625, 30035), (627, 30038), (660, 30092), (664, 30104),

Gene: TaronosaurusRx_18 Start: 16056, Stop: 16982, Start Num: 111

Candidate Starts for TaronosaurusRx_18:

(13, 15741), (16, 15765), (17, 15792), (Start: 94 @16038 has 5 MA's), (Start: 111 @16056 has 15 MA's), (Start: 119 @16065 has 6 MA's), (147, 16107), (Start: 155 @16119 has 1 MA's), (284, 16341), (307, 16386), (323, 16410), (330, 16416), (337, 16425), (342, 16431), (362, 16461), (404, 16521), (406, 16527), (452, 16587), (453, 16590), (462, 16614), (497, 16671), (537, 16758), (571, 16827), (598, 16881), (652, 16965),

Gene: TarsusIV_27 Start: 19201, Stop: 20211, Start Num: 71

Candidate Starts for TarsusIV_27:

(Start: 71 @19201 has 224 MA's), (127, 19276), (143, 19294), (164, 19330), (183, 19369), (265, 19510), (306, 19576), (329, 19615), (332, 19618), (463, 19846), (529, 19981), (571, 20068), (585, 20092),

Gene: Tarynearal_22 Start: 18646, Stop: 19659, Start Num: 78

Candidate Starts for Tarynearal_22:

(Start: 78 @18646 has 85 MA's), (143, 18742), (163, 18775), (164, 18778), (183, 18817), (265, 18952), (297, 19012), (306, 19018), (313, 19036), (332, 19060), (361, 19102), (519, 19414), (571, 19516), (622, 19606),

Gene: Tarzan_17 Start: 14116, Stop: 14958, Start Num: 145

Candidate Starts for Tarzan_17:

(9, 13660), (14, 13738), (42, 13936), (123, 14077), (Start: 145 @14116 has 14 MA's), (183, 14185), (196, 14215), (206, 14236), (233, 14269), (257, 14311), (258, 14314), (348, 14455), (392, 14521), (468, 14653), (518, 14728), (544, 14782), (571, 14824), (607, 14890), (631, 14929),

Gene: Teejan_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for Teejan_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: Temprado_30 Start: 18964, Stop: 19980, Start Num: 71

Candidate Starts for Temprado_30:

(Start: 71 @18964 has 224 MA's), (Start: 108 @19018 has 38 MA's), (143, 19057), (196, 19162), (285, 19309), (306, 19339), (329, 19378), (332, 19381), (390, 19468), (403, 19489), (463, 19615), (502, 19687), (571, 19837), (576, 19846), (622, 19927),

Gene: Terrific_31 Start: 19655, Stop: 20671, Start Num: 71

Candidate Starts for Terrific_31:

(Start: 71 @19655 has 224 MA's), (127, 19730), (143, 19748), (164, 19784), (183, 19823), (285, 20000), (306, 20030), (329, 20069), (332, 20072), (571, 20528), (585, 20552),

Gene: Terror_17 Start: 15491, Stop: 16666, Start Num: 33

Candidate Starts for Terror_17:

(4, 15095), (5, 15155), (Start: 33 @15491 has 231 MA's), (80, 15614), (Start: 93 @15632 has 57 MA's), (124, 15677), (127, 15683), (165, 15746), (183, 15782), (218, 15851), (220, 15854), (232, 15875), (270, 15929), (311, 16004), (390, 16106), (399, 16118), (496, 16313), (513, 16343), (526, 16361), (535, 16385), (585, 16487), (591, 16505), (648, 16595), (661, 16628),

Gene: Tesla_48 Start: 26061, Stop: 27023, Start Num: 70

Candidate Starts for Tesla_48:

(Start: 70 @26061 has 85 MA's), (159, 26193), (174, 26217), (180, 26226), (182, 26232), (185, 26241), (196, 26265), (201, 26274), (206, 26286), (279, 26412), (321, 26493), (332, 26508), (336, 26514), (429, 26622), (514, 26748), (516, 26754), (552, 26829), (593, 26904), (596, 26910), (605, 26922), (607, 26925), (657, 27012), (658, 27015), (659, 27018),

Gene: Theia_21 Start: 18584, Stop: 19597, Start Num: 78

Candidate Starts for Theia_21:

(Start: 78 @18584 has 85 MA's), (143, 18680), (163, 18713), (164, 18716), (265, 18890), (297, 18950), (306, 18956), (313, 18974), (332, 18998), (361, 19040), (519, 19352), (571, 19454), (586, 19481), (622, 19544),

Gene: Thing3_33 Start: 29854, Stop: 30810, Start Num: 93

Candidate Starts for Thing3_33:

(Start: 93 @29854 has 57 MA's), (203, 30040), (210, 30052), (228, 30079), (238, 30100), (280, 30160), (331, 30247), (334, 30250), (360, 30286), (384, 30319), (394, 30334), (401, 30346), (425, 30376), (431, 30382), (462, 30442), (513, 30532), (548, 30622), (561, 30646), (567, 30658), (602, 30724), (610, 30739), (629, 30763), (637, 30775),

Gene: Thyatira_20 Start: 16323, Stop: 17453, Start Num: 37

Candidate Starts for Thyatira_20:

(Start: 37 @16323 has 23 MA's), (167, 16566), (181, 16593), (232, 16692), (292, 16794), (332, 16848), (357, 16878), (381, 16914), (383, 16917), (390, 16926), (431, 17001), (433, 17004), (453, 17040), (471, 17082), (496, 17100), (499, 17106), (513, 17130), (514, 17133), (516, 17139), (535, 17172), (648, 17382), (663, 17421), (668, 17439),

Gene: Tiamoceli_32 Start: 27405, Stop: 28382, Start Num: 84

Candidate Starts for Tiamoceli_32:

(Start: 84 @27405 has 25 MA's), (Start: 96 @27417 has 26 MA's), (115, 27444), (144, 27492), (146, 27495), (176, 27546), (214, 27624), (284, 27720), (334, 27792), (418, 27921), (437, 27954), (453, 27990), (549, 28176), (568, 28206), (586, 28233), (605, 28269), (625, 28302), (664, 28371),

Gene: Tierra_21 Start: 15908, Stop: 17047, Start Num: 33

Candidate Starts for Tierra_21:

(Start: 33 @15908 has 231 MA's), (80, 16028), (142, 16118), (181, 16187), (292, 16388), (445, 16613), (469, 16673), (496, 16694), (535, 16766), (537, 16769), (538, 16772), (580, 16859), (590, 16883), (640, 16961), (648, 16976), (663, 17015), (668, 17033),

Gene: Tiger_23 Start: 18468, Stop: 19481, Start Num: 78

Candidate Starts for Tiger_23:

(Start: 78 @18468 has 85 MA's), (143, 18564), (163, 18597), (164, 18600), (265, 18774), (297, 18834), (306, 18840), (313, 18858), (332, 18882), (361, 18924), (519, 19236), (571, 19338), (622, 19428),

Gene: Tigress9_22 Start: 15170, Stop: 16309, Start Num: 33

Candidate Starts for Tigress9_22:

(Start: 33 @15170 has 231 MA's), (80, 15290), (142, 15380), (181, 15449), (292, 15650), (392, 15785), (394, 15788), (445, 15875), (469, 15935), (496, 15956), (513, 15986), (535, 16028), (537, 16031), (538, 16034), (580, 16121), (590, 16145), (640, 16223), (648, 16238), (663, 16277), (668, 16295),

Gene: TillyBobJoe_30 Start: 24720, Stop: 25652, Start Num: 99

Candidate Starts for TillyBobJoe_30:

(Start: 99 @24720 has 32 MA's), (165, 24816), (201, 24885), (203, 24891), (217, 24915), (228, 24930), (237, 24948), (360, 25140), (422, 25218), (453, 25263), (462, 25287), (488, 25326), (533, 25422), (548, 25464), (567, 25500), (585, 25530), (608, 25575), (623, 25596), (653, 25647),

Gene: Timothy_27 Start: 19730, Stop: 20752, Start Num: 71

Candidate Starts for Timothy_27:

(Start: 71 @19730 has 224 MA's), (Start: 108 @19787 has 38 MA's), (159, 19862), (234, 19991), (265, 20051), (297, 20111), (306, 20117), (332, 20159), (364, 20204), (368, 20210), (418, 20294), (439, 20327), (571, 20609), (576, 20618), (585, 20633), (622, 20699),

Gene: TinaBug_17 Start: 15472, Stop: 16644, Start Num: 33

Candidate Starts for TinaBug_17:

(5, 15139), (Start: 33 @15472 has 231 MA's), (80, 15592), (Start: 93 @15610 has 57 MA's), (124, 15655), (127, 15661), (165, 15724), (183, 15760), (218, 15829), (220, 15832), (232, 15853), (270, 15907), (292, 15952), (311, 15982), (390, 16084), (399, 16096), (404, 16108), (412, 16126), (496, 16291), (513, 16321), (526, 16339), (535, 16363), (591, 16483), (648, 16573), (661, 16606),

Gene: TinaLin_24 Start: 16616, Stop: 17446, Start Num: 151

Candidate Starts for TinaLin_24:

(Start: 149 @16613 has 6 MA's), (Start: 151 @16616 has 5 MA's), (169, 16631), (183, 16661), (187, 16670), (197, 16694), (277, 16808), (280, 16814), (287, 16826), (292, 16838), (377, 16937), (429, 17024), (443, 17048), (500, 17132), (514, 17156), (515, 17159), (536, 17195), (579, 17276), (618, 17342), (634, 17366), (642, 17378), (644, 17381),

Gene: TingHuaYa_22 Start: 15317, Stop: 16453, Start Num: 33

Candidate Starts for TingHuaYa_22:

(Start: 33 @15317 has 231 MA's), (80, 15434), (Start: 155 @15545 has 1 MA's), (181, 15593), (233, 15695), (332, 15848), (392, 15929), (433, 16004), (445, 16019), (513, 16130), (535, 16172), (580, 16265), (590, 16289), (648, 16382), (663, 16421), (668, 16439),

Gene: TiniBug_22 Start: 15962, Stop: 17098, Start Num: 33

Candidate Starts for TiniBug_22:

(Start: 33 @15962 has 231 MA's), (80, 16079), (142, 16169), (Start: 155 @16190 has 1 MA's), (167, 16211), (181, 16238), (292, 16439), (332, 16493), (341, 16499), (392, 16574), (433, 16649), (445, 16664), (535, 16817), (580, 16910), (590, 16934), (648, 17027), (663, 17066), (668, 17084),

Gene: TinyTimmy_27 Start: 19773, Stop: 20795, Start Num: 71

Candidate Starts for TinyTimmy_27:

(Start: 71 @19773 has 224 MA's), (Start: 108 @19830 has 38 MA's), (159, 19905), (234, 20034), (265, 20094), (297, 20154), (306, 20160), (332, 20202), (364, 20247), (368, 20253), (418, 20337), (439, 20370), (571, 20652), (576, 20661), (585, 20676), (622, 20742),

Gene: TipsytheTRex_26 Start: 18299, Stop: 19309, Start Num: 71

Candidate Starts for TipsytheTRex_26:

(Start: 71 @18299 has 224 MA's), (Start: 108 @18353 has 38 MA's), (127, 18374), (143, 18392), (306, 18674), (329, 18713), (332, 18716), (364, 18761), (418, 18851), (463, 18944), (529, 19079), (571, 19166),

Gene: Tiri_22 Start: 16023, Stop: 17159, Start Num: 33

Candidate Starts for Tiri_22:

(Start: 33 @16023 has 231 MA's), (80, 16140), (142, 16230), (Start: 155 @16251 has 1 MA's), (167, 16272), (181, 16299), (332, 16554), (392, 16635), (433, 16710), (445, 16725), (513, 16836), (535, 16878), (580, 16971), (590, 16995), (648, 17088), (663, 17127), (668, 17145),

Gene: Toaka_26 Start: 18892, Stop: 19914, Start Num: 71

Candidate Starts for Toaka_26:

(Start: 71 @18892 has 224 MA's), (Start: 84 @18907 has 25 MA's), (86, 18910), (143, 18985), (196, 19090), (265, 19201), (285, 19237), (306, 19267), (332, 19309), (426, 19459), (470, 19555), (474, 19561), (564, 19759), (571, 19771), (576, 19780), (585, 19795),

Gene: Toast_18 Start: 15883, Stop: 16743, Start Num: 87

Candidate Starts for Toast_18:

(Start: 87 @15883 has 24 MA's), (Start: 105 @15898 has 1 MA's), (124, 15928), (139, 15949), (186, 16039), (230, 16120), (390, 16324), (392, 16327), (529, 16522), (578, 16612), (603, 16654), (632, 16702), (636, 16708),

Gene: Togo_30 Start: 24909, Stop: 25853, Start Num: 99

Candidate Starts for Togo_30:

(Start: 99 @24909 has 32 MA's), (165, 25014), (201, 25083), (203, 25089), (217, 25113), (228, 25128), (462, 25488), (469, 25503), (485, 25521), (533, 25623), (548, 25665), (567, 25701), (623, 25797), (653, 25848),

Gene: Tolls_19 Start: 14433, Stop: 15404, Start Num: 114

Candidate Starts for Tolls_19:

(Start: 114 @14433 has 61 MA's), (144, 14478), (156, 14499), (165, 14514), (177, 14535), (201, 14586), (217, 14616), (234, 14643), (272, 14694), (277, 14703), (278, 14706), (305, 14760), (311, 14772), (342, 14820), (404, 14910), (437, 14961), (451, 14991), (462, 15021), (471, 15039), (517, 15135), (528, 15153), (545, 15204), (546, 15207), (562, 15237), (567, 15246), (576, 15261), (606, 15318), (639, 15366), (652, 15390), (654, 15396),

Gene: TomBrady_17 Start: 15478, Stop: 16650, Start Num: 33

Candidate Starts for TomBrady_17:

(5, 15145), (Start: 33 @15478 has 231 MA's), (80, 15598), (Start: 93 @15616 has 57 MA's), (124, 15661), (127, 15667), (165, 15730), (183, 15766), (218, 15835), (220, 15838), (232, 15859), (270, 15913), (292, 15958), (311, 15988), (390, 16090), (399, 16102), (404, 16114), (412, 16132), (496, 16297), (513, 16327), (526, 16345), (535, 16369), (591, 16489), (648, 16579), (661, 16612),

Gene: Tomathan_30 Start: 19042, Stop: 20052, Start Num: 71

Candidate Starts for Tomathan_30:

(Start: 71 @19042 has 224 MA's), (Start: 108 @19096 has 38 MA's), (127, 19117), (143, 19135), (240, 19306), (306, 19417), (329, 19456), (332, 19459), (364, 19504), (529, 19822), (564, 19897), (571, 19909), (585, 19933), (622, 19999),

Gene: ToneTone_28 Start: 18890, Stop: 19906, Start Num: 71

Candidate Starts for ToneTone_28:

(Start: 71 @18890 has 224 MA's), (86, 18908), (Start: 108 @18944 has 38 MA's), (143, 18983), (196, 19088), (306, 19265), (329, 19304), (332, 19307), (390, 19394), (403, 19415), (463, 19541), (502,

19613), (571, 19763), (576, 19772), (622, 19853),

Gene: Toniann_47 Start: 28657, Stop: 29538, Start Num: 91

Candidate Starts for Toniann_47:

(Start: 91 @28657 has 13 MA's), (123, 28705), (142, 28732), (182, 28804), (215, 28870), (232, 28900), (312, 29008), (390, 29101), (405, 29125), (411, 29140), (471, 29236), (513, 29284), (611, 29464), (634, 29500),

Gene: Topper_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Topper_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Torres_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for Torres_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: TouchMeNot_18 Start: 16550, Stop: 17428, Start Num: 54

Candidate Starts for TouchMeNot_18:

(Start: 54 @16550 has 3 MA's), (Start: 56 @16553 has 1 MA's), (Start: 119 @16637 has 6 MA's), (196, 16775), (416, 17063),

Gene: Tourach_17 Start: 16072, Stop: 16986, Start Num: 70

Candidate Starts for Tourach_17:

(Start: 70 @16072 has 85 MA's), (90, 16096), (Start: 108 @16126 has 38 MA's), (164, 16207), (189, 16252), (328, 16477), (329, 16480), (332, 16483), (416, 16570), (429, 16594), (438, 16600), (491, 16669), (502, 16687), (509, 16708), (533, 16762), (538, 16774), (571, 16837), (647, 16966), (654, 16978),

Gene: Towmatter_27 Start: 24381, Stop: 25262, Start Num: 87

Candidate Starts for Towmatter_27:

(Start: 87 @24381 has 24 MA's), (142, 24456), (179, 24519), (182, 24528), (186, 24537), (269, 24657), (306, 24717), (390, 24825), (471, 24960), (513, 25008), (548, 25083), (578, 25131), (607, 25179), (611, 25188),

Gene: TpudiCK_28 Start: 21456, Stop: 22367, Start Num: 66

Candidate Starts for TpudiCK_28:

(Start: 66 @21456 has 21 MA's), (135, 21558), (150, 21576), (159, 21591), (196, 21663), (201, 21672), (257, 21750), (328, 21885), (329, 21888), (332, 21891), (380, 21960), (429, 22002), (438, 22008), (523, 22149), (533, 22170), (538, 22182), (616, 22305), (623, 22317),

Gene: Tracker_40 Start: 28657, Stop: 29598, Start Num: 96

Candidate Starts for Tracker_40:

(Start: 96 @28657 has 26 MA's), (152, 28744), (190, 28819), (Start: 226 @28885 has 1 MA's), (249, 28927), (282, 28984), (426, 29197), (447, 29224), (513, 29335), (580, 29467), (636, 29563),

Gene: Travvers_30 Start: 19042, Stop: 20052, Start Num: 71

Candidate Starts for Travvers_30:

(Start: 71 @19042 has 224 MA's), (Start: 108 @19096 has 38 MA's), (127, 19117), (143, 19135), (240, 19306), (306, 19417), (329, 19456), (332, 19459), (364, 19504), (529, 19822), (564, 19897), (571,

19909), (585, 19933), (622, 19999),

Gene: Trax_27 Start: 22698, Stop: 23609, Start Num: 68

Candidate Starts for Trax_27:

(Start: 59 @22683 has 11 MA's), (Start: 68 @22698 has 28 MA's), (Start: 108 @22755 has 38 MA's), (127, 22785), (196, 22899), (247, 22974), (263, 23007), (285, 23043), (328, 23124), (329, 23127), (348, 23154), (351, 23160), (374, 23187), (438, 23247), (442, 23253), (514, 23376), (515, 23379), (525, 23400), (538, 23430), (540, 23439), (562, 23478), (564, 23481), (588, 23523), (603, 23538), (607, 23544), (620, 23562), (629, 23577),

Gene: TreyKay_22 Start: 15985, Stop: 17121, Start Num: 33

Candidate Starts for TreyKay_22:

(Start: 33 @15985 has 231 MA's), (80, 16102), (142, 16192), (Start: 155 @16213 has 1 MA's), (167, 16234), (181, 16261), (332, 16516), (392, 16597), (433, 16672), (445, 16687), (513, 16798), (535, 16840), (580, 16933), (590, 16957), (648, 17050), (663, 17089), (668, 17107),

Gene: TriFive_18 Start: 16490, Stop: 17380, Start Num: 70

Candidate Starts for TriFive_18:

(Start: 70 @16490 has 85 MA's), (90, 16514), (Start: 119 @16559 has 6 MA's), (127, 16574), (Start: 145 @16595 has 14 MA's), (196, 16691), (285, 16826), (290, 16835), (329, 16895), (332, 16898), (336, 16904), (389, 16976), (429, 17009), (442, 17021), (491, 17084), (515, 17138), (525, 17159), (544, 17210), (571, 17252), (647, 17363), (649, 17366),

Gene: TribbleTrouble_20 Start: 16264, Stop: 17403, Start Num: 33

Candidate Starts for TribbleTrouble_20:

(Start: 33 @16264 has 231 MA's), (80, 16390), (124, 16453), (127, 16459), (147, 16489), (167, 16522), (220, 16627), (232, 16648), (292, 16750), (311, 16780), (352, 16825), (404, 16903), (496, 17050), (513, 17080), (516, 17089), (535, 17122), (537, 17125), (538, 17128), (580, 17215), (630, 17302), (645, 17326), (648, 17332), (661, 17365), (663, 17371),

Gene: Trice_18 Start: 15554, Stop: 16696, Start Num: 33

Candidate Starts for Trice_18:

(Start: 33 @15554 has 231 MA's), (80, 15677), (142, 15767), (181, 15836), (232, 15935), (233, 15938), (292, 16037), (392, 16172), (513, 16373), (535, 16415), (537, 16418), (580, 16508), (590, 16532), (648, 16625), (663, 16664), (668, 16682),

Gene: Trine_17 Start: 13911, Stop: 14768, Start Num: 145

Candidate Starts for Trine_17:

(Start: 145 @13911 has 14 MA's), (183, 13980), (190, 13995), (258, 14109), (318, 14214), (384, 14307), (392, 14319), (459, 14421), (518, 14523), (530, 14544), (564, 14622), (566, 14625), (571, 14634), (576, 14643), (578, 14646), (599, 14685), (631, 14736),

Gene: Tristan_28 Start: 20795, Stop: 21811, Start Num: 71

Candidate Starts for Tristan_28:

(Start: 71 @20795 has 224 MA's), (127, 20870), (143, 20888), (183, 20963), (265, 21104), (306, 21170), (332, 21212), (392, 21302), (410, 21338), (418, 21353), (480, 21479), (519, 21566), (571, 21668), (585, 21692),

Gene: Trixie_30 Start: 20845, Stop: 21858, Start Num: 71

Candidate Starts for Trixie_30:

(Start: 71 @20845 has 224 MA's), (86, 20863), (127, 20920), (143, 20938), (164, 20974), (183, 21013), (265, 21154), (306, 21220), (329, 21259), (332, 21262), (364, 21307), (403, 21367), (426, 21412), (463, 21493), (480, 21526), (571, 21715), (576, 21724), (623, 21808),

Gene: Troje_17 Start: 14394, Stop: 15365, Start Num: 114

Candidate Starts for Troje_17:

(Start: 114 @14394 has 61 MA's), (144, 14439), (156, 14460), (165, 14475), (190, 14523), (201, 14547), (217, 14577), (272, 14655), (277, 14664), (278, 14667), (311, 14733), (342, 14781), (375, 14823), (404, 14871), (437, 14922), (462, 14982), (469, 14997), (471, 15000), (486, 15024), (517, 15096), (528, 15114), (545, 15165), (546, 15168), (562, 15198), (567, 15207), (576, 15222), (596, 15264), (606, 15279), (639, 15327), (652, 15351), (654, 15357),

Gene: Trooper_27 Start: 19001, Stop: 20011, Start Num: 71

Candidate Starts for Trooper_27:

(Start: 71 @19001 has 224 MA's), (127, 19076), (143, 19094), (164, 19130), (183, 19169), (265, 19310), (306, 19376), (329, 19415), (332, 19418), (463, 19646), (529, 19781), (571, 19868), (585, 19892), (622, 19958),

Gene: TruffulaTree_22 Start: 16014, Stop: 17150, Start Num: 33

Candidate Starts for TruffulaTree_22:

(Start: 33 @16014 has 231 MA's), (80, 16131), (142, 16221), (Start: 155 @16242 has 1 MA's), (167, 16263), (181, 16290), (332, 16545), (392, 16626), (433, 16701), (445, 16716), (513, 16827), (535, 16869), (580, 16962), (590, 16986), (648, 17079), (663, 17118), (668, 17136),

Gene: Tubs_28 Start: 20527, Stop: 21540, Start Num: 71

Candidate Starts for Tubs_28:

(Start: 71 @20527 has 224 MA's), (86, 20545), (127, 20602), (143, 20620), (164, 20656), (265, 20836), (285, 20872), (306, 20902), (332, 20944), (432, 21103), (502, 21247), (529, 21310), (564, 21385), (571, 21397), (585, 21421),

Gene: Tucker_30 Start: 18976, Stop: 19992, Start Num: 71

Candidate Starts for Tucker_30:

(Start: 71 @18976 has 224 MA's), (86, 18994), (Start: 108 @19030 has 38 MA's), (143, 19069), (196, 19174), (306, 19351), (329, 19390), (332, 19393), (390, 19480), (403, 19501), (463, 19627), (502, 19699), (571, 19849), (576, 19858), (622, 19939),

Gene: Turbido_29 Start: 19682, Stop: 20698, Start Num: 71

Candidate Starts for Turbido_29:

(Start: 71 @19682 has 224 MA's), (127, 19757), (143, 19775), (164, 19811), (183, 19850), (306, 20057), (329, 20096), (332, 20099), (390, 20186), (480, 20366), (529, 20468), (564, 20543), (571, 20555),

Gene: Turuncu_44 Start: 29978, Stop: 30895, Start Num: 96

Candidate Starts for Turuncu_44:

(Start: 96 @29978 has 26 MA's), (152, 30056), (189, 30128), (232, 30209), (306, 30338), (426, 30509), (529, 30665), (580, 30764), (621, 30839), (636, 30860),

Gene: Twigg_23 Start: 18619, Stop: 19632, Start Num: 78

Candidate Starts for Twigg_23:

(Start: 78 @18619 has 85 MA's), (143, 18715), (163, 18748), (164, 18751), (265, 18925), (297, 18985), (306, 18991), (313, 19009), (332, 19033), (361, 19075), (519, 19387), (571, 19489), (586, 19516), (622, 19579),

Gene: Twister6_32 Start: 25345, Stop: 26289, Start Num: 99

Candidate Starts for Twister6_32:

(Start: 99 @25345 has 32 MA's), (165, 25450), (201, 25519), (203, 25525), (217, 25549), (228, 25564), (462, 25924), (469, 25939), (485, 25957), (533, 26059), (548, 26101), (567, 26137), (623, 26233), (653, 26284),

Gene: Twitch_22 Start: 16051, Stop: 17187, Start Num: 33

Candidate Starts for Twitch_22:

(Start: 33 @16051 has 231 MA's), (80, 16168), (142, 16258), (Start: 155 @16279 has 1 MA's), (167, 16300), (181, 16327), (332, 16582), (392, 16663), (433, 16738), (445, 16753), (513, 16864), (535, 16906), (580, 16999), (590, 17023), (648, 17116), (663, 17155), (668, 17173),

Gene: Twonlo_29 Start: 26023, Stop: 27000, Start Num: 84

Candidate Starts for Twonlo_29:

(Start: 84 @26023 has 25 MA's), (Start: 96 @26035 has 26 MA's), (115, 26062), (144, 26110), (146, 26113), (176, 26164), (214, 26242), (284, 26338), (305, 26371), (334, 26410), (418, 26539), (437, 26572), (453, 26608), (549, 26794), (568, 26824), (586, 26851), (605, 26887), (625, 26920), (664, 26989),

Gene: TyDawg_27 Start: 21457, Stop: 22368, Start Num: 66

Candidate Starts for TyDawg_27:

(Start: 66 @21457 has 21 MA's), (135, 21559), (150, 21577), (159, 21592), (196, 21664), (201, 21673), (257, 21751), (328, 21886), (329, 21889), (332, 21892), (380, 21961), (429, 22003), (438, 22009), (523, 22150), (533, 22171), (538, 22183), (616, 22306), (623, 22318),

Gene: Tycho_33 Start: 28653, Stop: 29609, Start Num: 93

Candidate Starts for Tycho_33:

(Start: 93 @28653 has 57 MA's), (190, 28809), (203, 28839), (210, 28851), (217, 28863), (228, 28878), (234, 28890), (334, 29049), (360, 29085), (401, 29145), (431, 29181), (462, 29241), (513, 29331), (548, 29421), (561, 29445), (567, 29457), (602, 29523), (610, 29538), (629, 29562), (637, 29574),

Gene: Typha_23 Start: 18613, Stop: 19611, Start Num: 57

Candidate Starts for Typha_23:

(Start: 57 @18613 has 5 MA's), (Start: 106 @18679 has 1 MA's), (165, 18769), (169, 18775), (191, 18823), (216, 18871), (232, 18898), (256, 18925), (257, 18928), (273, 18949), (301, 19000), (343, 19051), (349, 19060), (369, 19087), (412, 19162), (427, 19186), (499, 19276), (514, 19300), (515, 19303), (535, 19339), (557, 19393), (562, 19402), (586, 19444), (587, 19447), (640, 19528), (645, 19537), (663, 19582),

Gene: Typhonmarchy_17 Start: 14764, Stop: 15735, Start Num: 114

Candidate Starts for Typhonmarchy_17:

(Start: 114 @14764 has 61 MA's), (144, 14809), (156, 14830), (190, 14893), (201, 14917), (217, 14947), (239, 14986), (272, 15025), (277, 15034), (278, 15037), (311, 15103), (342, 15151), (375, 15193), (404, 15241), (437, 15292), (462, 15352), (469, 15367), (471, 15370), (483, 15388), (486, 15394), (506, 15439), (517, 15466), (528, 15484), (545, 15535), (546, 15538), (562, 15568), (567, 15577), (576, 15592), (606, 15649), (639, 15697), (652, 15721), (654, 15727),

Gene: Tyson_17 Start: 15865, Stop: 16746, Start Num: 70

Candidate Starts for Tyson_17:

(45, 15811), (Start: 59 @15847 has 11 MA's), (Start: 70 @15865 has 85 MA's), (90, 15889), (Start: 108 @15919 has 38 MA's), (Start: 119 @15934 has 6 MA's), (Start: 145 @15967 has 14 MA's), (237, 16111), (281, 16192), (329, 16267), (332, 16270), (336, 16276), (368, 16321), (389, 16348), (429, 16381), (438, 16387), (459, 16420), (463, 16429), (491, 16456), (542, 16576), (571, 16624), (620, 16690), (623, 16696), (647, 16735),

Gene: UPIE_17 Start: 15845, Stop: 16744, Start Num: 59

Candidate Starts for UPIE_17:

(45, 15809), (Start: 59 @15845 has 11 MA's), (Start: 70 @15863 has 85 MA's), (90, 15887), (Start: 108 @15917 has 38 MA's), (Start: 119 @15932 has 6 MA's), (Start: 145 @15965 has 14 MA's), (237, 16109), (329, 16265), (332, 16268), (336, 16274), (368, 16319), (389, 16346), (429, 16379), (438, 16385), (459, 16418), (463, 16427), (491, 16454), (542, 16574), (571, 16622), (620, 16688), (623, 16694), (647, 16733),

Gene: Ubuntu_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Ubuntu_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Ugenie5_25 Start: 20560, Stop: 21573, Start Num: 71

Candidate Starts for Ugenie5_25:

(Start: 71 @20560 has 224 MA's), (86, 20578), (127, 20635), (143, 20653), (164, 20689), (265, 20869), (285, 20905), (306, 20935), (332, 20977), (432, 21136), (502, 21280), (529, 21343), (564, 21418), (571, 21430), (585, 21454),

Gene: UhSalsa_22 Start: 15480, Stop: 16352, Start Num: 78

Candidate Starts for UhSalsa_22:

(Start: 78 @15480 has 85 MA's), (101, 15519), (159, 15600), (163, 15606), (194, 15675), (249, 15753), (281, 15813), (332, 15891), (428, 15987), (529, 16116), (535, 16134), (564, 16191), (571, 16203), (591, 16245), (649, 16341),

Gene: UmaThurman_18 Start: 15921, Stop: 16781, Start Num: 89

Candidate Starts for UmaThurman_18:

(Start: 85 @15915 has 15 MA's), (Start: 89 @15921 has 29 MA's), (186, 16077), (230, 16158), (306, 16257), (392, 16365), (447, 16449), (496, 16515), (529, 16560), (578, 16650), (603, 16692),

Gene: Underpass_17 Start: 16079, Stop: 16993, Start Num: 70

Candidate Starts for Underpass_17:

(Start: 70 @16079 has 85 MA's), (90, 16103), (Start: 108 @16133 has 38 MA's), (189, 16259), (237, 16331), (328, 16484), (329, 16487), (332, 16490), (351, 16520), (416, 16577), (429, 16601), (438, 16607), (491, 16676), (502, 16694), (509, 16715), (533, 16769), (538, 16781), (571, 16844), (647, 16973), (654, 16985),

Gene: Unicorn_21 Start: 15233, Stop: 16372, Start Num: 33

Candidate Starts for Unicorn_21:

(Start: 33 @15233 has 231 MA's), (80, 15353), (142, 15443), (181, 15512), (292, 15713), (332, 15767), (357, 15797), (445, 15938), (469, 15998), (496, 16019), (513, 16049), (535, 16091), (537, 16094), (538, 16097), (580, 16184), (590, 16208), (640, 16286), (648, 16301), (663, 16340), (668, 16358),

Gene: UnionJack_23 Start: 17673, Stop: 18686, Start Num: 78

Candidate Starts for UnionJack_23:

(Start: 78 @17673 has 85 MA's), (143, 17769), (163, 17802), (164, 17805), (183, 17844), (265, 17979), (281, 18009), (297, 18039), (306, 18045), (313, 18063), (332, 18087), (361, 18129), (455, 18300), (571, 18543), (586, 18570), (622, 18633),

Gene: Updawg_29 Start: 19643, Stop: 20659, Start Num: 71

Candidate Starts for Updawg_29:

(Start: 71 @19643 has 224 MA's), (127, 19718), (143, 19736), (164, 19772), (183, 19811), (285, 19988), (306, 20018), (329, 20057), (332, 20060), (571, 20516), (585, 20540),

Gene: Upyo_17 Start: 14116, Stop: 14946, Start Num: 145

Candidate Starts for Upyo_17:

(Start: 145 @14116 has 14 MA's), (172, 14161), (183, 14185), (283, 14365), (318, 14419), (384, 14512), (392, 14524), (453, 14608), (459, 14626), (571, 14812), (578, 14824), (599, 14863), (631, 14914),

Gene: Urkel_22 Start: 15965, Stop: 17101, Start Num: 33

Candidate Starts for Urkel_22:

(Start: 33 @15965 has 231 MA's), (80, 16082), (142, 16172), (Start: 155 @16193 has 1 MA's), (167, 16214), (181, 16241), (292, 16442), (332, 16496), (341, 16502), (392, 16577), (433, 16652), (445, 16667), (535, 16820), (580, 16913), (590, 16937), (648, 17030), (663, 17069), (668, 17087),

Gene: Utz_18 Start: 15788, Stop: 16648, Start Num: 89

Candidate Starts for Utz_18:

(Start: 85 @15782 has 15 MA's), (Start: 89 @15788 has 29 MA's), (186, 15944), (230, 16025), (306, 16124), (392, 16232), (447, 16316), (499, 16388), (578, 16517), (590, 16544), (603, 16559),

Gene: VA6_27 Start: 19197, Stop: 20207, Start Num: 71

Candidate Starts for VA6_27:

(Start: 71 @19197 has 224 MA's), (Start: 108 @19251 has 38 MA's), (127, 19272), (143, 19290), (240, 19461), (306, 19572), (329, 19611), (332, 19614), (364, 19659), (418, 19749), (519, 19962), (529, 19977), (564, 20052), (571, 20064), (585, 20088), (622, 20154),

Gene: VC3_30 Start: 19185, Stop: 20195, Start Num: 71

Candidate Starts for VC3_30:

(Start: 71 @19185 has 224 MA's), (Start: 108 @19239 has 38 MA's), (127, 19260), (143, 19278), (240, 19449), (306, 19560), (329, 19599), (332, 19602), (364, 19647), (418, 19737), (519, 19950), (529, 19965), (564, 20040), (571, 20052), (585, 20076), (622, 20142),

Gene: Valary_33 Start: 25854, Stop: 26798, Start Num: 99

Candidate Starts for Valary_33:

(Start: 99 @25854 has 32 MA's), (165, 25959), (201, 26028), (203, 26034), (217, 26058), (228, 26073), (462, 26433), (469, 26448), (485, 26466), (533, 26568), (548, 26610), (567, 26646), (623, 26742), (653, 26793),

Gene: Validus_22 Start: 15308, Stop: 16447, Start Num: 33

Candidate Starts for Validus_22:

(Start: 33 @15308 has 231 MA's), (80, 15428), (142, 15518), (181, 15587), (232, 15686), (233, 15689), (292, 15788), (332, 15842), (392, 15923), (433, 15998), (445, 16013), (513, 16124), (535, 16166), (537, 16169), (580, 16259), (628, 16343), (640, 16361), (648, 16376), (663, 16415), (668, 16433),

Gene: VanDeWege_33 Start: 25693, Stop: 26625, Start Num: 99

Candidate Starts for VanDeWege_33:

(Start: 99 @25693 has 32 MA's), (165, 25789), (201, 25858), (203, 25864), (217, 25888), (228, 25903), (334, 26077), (360, 26113), (422, 26191), (462, 26260), (533, 26395), (548, 26437), (567, 26473), (608, 26548), (623, 26569), (653, 26620),

Gene: VanLee_19 Start: 15562, Stop: 16449, Start Num: 64

Candidate Starts for VanLee_19:

(Start: 64 @15562 has 6 MA's), (Start: 108 @15619 has 38 MA's), (Start: 119 @15634 has 6 MA's), (196, 15769), (285, 15904), (295, 15934), (328, 15970), (329, 15973), (339, 15985), (351, 16006), (374, 16036), (429, 16093), (438, 16099), (450, 16123), (538, 16273), (590, 16369), (637, 16429),

Gene: Vanisoa_26 Start: 18587, Stop: 19609, Start Num: 71

Candidate Starts for Vanisoa_26:

(Start: 71 @18587 has 224 MA's), (86, 18605), (Start: 108 @18641 has 38 MA's), (127, 18662), (143, 18680), (285, 18932), (306, 18962), (332, 19004), (426, 19154), (450, 19199), (470, 19250), (474, 19256), (502, 19316), (571, 19466), (576, 19475),

Gene: VasuNzinga_49 Start: 25618, Stop: 26580, Start Num: 70

Candidate Starts for VasuNzinga_49:

(Start: 70 @25618 has 85 MA's), (159, 25750), (174, 25774), (180, 25783), (182, 25789), (185, 25798), (196, 25822), (201, 25831), (206, 25843), (279, 25969), (321, 26050), (332, 26065), (336, 26071), (429, 26179), (514, 26305), (516, 26311), (593, 26461), (596, 26467), (605, 26479), (607, 26482), (657, 26569), (658, 26572), (659, 26575),

Gene: Veliki_22 Start: 16054, Stop: 17190, Start Num: 33

Candidate Starts for Veliki_22:

(Start: 33 @16054 has 231 MA's), (80, 16171), (142, 16261), (Start: 155 @16282 has 1 MA's), (167, 16303), (181, 16330), (332, 16585), (392, 16666), (433, 16741), (445, 16756), (513, 16867), (535, 16909), (580, 17002), (590, 17026), (648, 17119), (663, 17158), (668, 17176),

Gene: Vendetta_21 Start: 15645, Stop: 16475, Start Num: 151

Candidate Starts for Vendetta_21:

(Start: 149 @15642 has 6 MA's), (Start: 151 @15645 has 5 MA's), (169, 15660), (187, 15699), (195, 15720), (197, 15723), (292, 15867), (429, 16053), (471, 16122), (536, 16224), (579, 16305), (581, 16308), (630, 16389), (634, 16395), (642, 16407), (644, 16410), (660, 16434),

Gene: Verity_33 Start: 29967, Stop: 30944, Start Num: 84

Candidate Starts for Verity_33:

(Start: 84 @29967 has 25 MA's), (144, 30054), (165, 30090), (183, 30126), (284, 30282), (286, 30285), (334, 30354), (379, 30417), (386, 30426), (437, 30516), (452, 30549), (453, 30552), (538, 30705), (555, 30747), (568, 30768), (586, 30795), (595, 30816), (601, 30825), (605, 30831), (625, 30864), (627, 30867), (656, 30912), (660, 30921), (664, 30933),

Gene: Vetrix_17 Start: 16080, Stop: 16994, Start Num: 70

Candidate Starts for Vetrix_17:

(Start: 70 @16080 has 85 MA's), (90, 16104), (Start: 108 @16134 has 38 MA's), (189, 16260), (237, 16332), (328, 16485), (329, 16488), (332, 16491), (351, 16521), (416, 16578), (429, 16602), (438, 16608), (491, 16677), (502, 16695), (509, 16716), (538, 16782), (571, 16845), (647, 16974), (654, 16986),

Gene: ViaConlectus_34 Start: 28404, Stop: 29390, Start Num: 84

Candidate Starts for ViaConlectus_34:

(Start: 84 @28404 has 25 MA's), (129, 28476), (144, 28500), (165, 28536), (183, 28572), (284, 28728), (334, 28800), (379, 28863), (386, 28872), (418, 28929), (437, 28962), (452, 28995), (453, 28998), (516, 29115), (538, 29151), (549, 29184), (555, 29193), (568, 29214), (586, 29241), (601, 29271), (605, 29277), (625, 29310), (627, 29313), (660, 29367), (664, 29379),

Gene: Vine_18 Start: 15477, Stop: 16433, Start Num: 114

Candidate Starts for Vine_18:

(Start: 114 @15477 has 61 MA's), (144, 15522), (177, 15579), (190, 15606), (217, 15660), (234, 15687), (272, 15738), (274, 15741), (277, 15747), (278, 15750), (305, 15804), (312, 15819), (342, 15864), (357, 15888), (373, 15903), (404, 15954), (462, 16050), (546, 16236), (562, 16266), (567, 16275), (583, 16299), (596, 16332), (652, 16419), (654, 16425),

Gene: Vivi2_36 Start: 30528, Stop: 31484, Start Num: 93

Candidate Starts for Vivi2_36:

(Start: 93 @30528 has 57 MA's), (203, 30714), (210, 30726), (228, 30753), (238, 30774), (280, 30834), (331, 30921), (334, 30924), (360, 30960), (384, 30993), (394, 31008), (401, 31020), (425, 31050), (431, 31056), (462, 31116), (513, 31206), (548, 31296), (561, 31320), (567, 31332), (602, 31398), (629, 31437), (637, 31449),

Gene: ViviJ_19 Start: 16180, Stop: 17310, Start Num: 37

Candidate Starts for ViviJ_19:

(Start: 37 @16180 has 23 MA's), (124, 16354), (165, 16420), (167, 16423), (181, 16450), (232, 16549), (292, 16651), (332, 16705), (357, 16735), (381, 16771), (383, 16774), (390, 16783), (431, 16858), (433, 16861), (453, 16897), (471, 16939), (496, 16957), (499, 16963), (513, 16987), (514, 16990), (535, 17029), (648, 17239), (663, 17278), (668, 17296),

Gene: VohminGhazi_30 Start: 18966, Stop: 19979, Start Num: 71

Candidate Starts for VohminGhazi_30:

(Start: 71 @18966 has 224 MA's), (Start: 108 @19020 has 38 MA's), (143, 19059), (196, 19164), (285, 19311), (306, 19341), (329, 19380), (332, 19383), (364, 19428), (403, 19488), (502, 19686), (571, 19836), (576, 19845),

Gene: Volt_54 Start: 27948, Stop: 28892, Start Num: 108

Candidate Starts for Volt_54:

(Start: 106 @27945 has 1 MA's), (Start: 108 @27948 has 38 MA's), (181, 28068), (234, 28164), (298, 28266), (340, 28332), (352, 28353), (357, 28359), (390, 28410), (404, 28434), (462, 28527), (488, 28566), (539, 28677), (540, 28683), (543, 28692), (545, 28698), (562, 28731), (567, 28740), (573, 28749), (583, 28764), (625, 28839), (633, 28851), (641, 28863), (652, 28884),

Gene: Vordorf_21 Start: 17520, Stop: 18380, Start Num: 89

Candidate Starts for Vordorf_21:

(Start: 89 @17520 has 29 MA's), (95, 17526), (Start: 119 @17562 has 6 MA's), (121, 17565), (213, 17733), (222, 17748), (230, 17760), (303, 17856), (306, 17859), (320, 17880), (332, 17895), (422, 18024), (497, 18120), (529, 18165), (537, 18186), (545, 18216), (605, 18306),

Gene: WST1_16 Start: 12938, Stop: 14128, Start Num: 22

Candidate Starts for WST1_16:

(Start: 22 @12938 has 1 MA's), (Start: 29 @12986 has 1 MA's), (31, 12989), (43, 13052), (51, 13073), (Start: 93 @13148 has 57 MA's), (141, 13223), (198, 13331), (203, 13343), (205, 13346), (220, 13370), (232, 13391), (264, 13436), (304, 13517), (314, 13538), (322, 13547), (339, 13562), (344, 13568), (376, 13613), (377, 13616), (393, 13640), (395, 13643), (453, 13739), (510, 13850), (517, 13871), (541, 13910), (546, 13925), (559, 13949), (586, 13997), (602, 14030), (606, 14036), (609, 14042), (610, 14045), (652, 14114),

Gene: Waits_29 Start: 18089, Stop: 19066, Start Num: 74

Candidate Starts for Waits_29:

(Start: 74 @18089 has 22 MA's), (159, 18203), (163, 18209), (164, 18212), (292, 18446), (460, 18713), (498, 18767), (571, 18923),

Gene: Walrus_19 Start: 16016, Stop: 16876, Start Num: 89

Candidate Starts for Walrus_19:

(Start: 85 @16010 has 15 MA's), (Start: 89 @16016 has 29 MA's), (186, 16172), (230, 16253), (306, 16352), (392, 16460), (447, 16544), (496, 16610), (529, 16655), (578, 16745), (603, 16787),

Gene: Wamburgrxpress_17 Start: 15878, Stop: 16759, Start Num: 70

Candidate Starts for Wamburgrxpress_17:

(Start: 59 @15860 has 11 MA's), (Start: 70 @15878 has 85 MA's), (90, 15902), (Start: 108 @15932 has 38 MA's), (Start: 119 @15947 has 6 MA's), (Start: 145 @15980 has 14 MA's), (237, 16124), (281, 16205), (329, 16280), (332, 16283), (336, 16289), (368, 16334), (389, 16361), (429, 16394), (438, 16400), (459, 16433), (463, 16442), (491, 16469), (542, 16589), (571, 16637), (620, 16703), (623, 16709), (647, 16748),

Gene: Warrior24_29 Start: 18093, Stop: 19070, Start Num: 74

Candidate Starts for Warrior24_29:

(Start: 74 @18093 has 22 MA's), (159, 18207), (163, 18213), (164, 18216), (292, 18450), (460, 18717), (498, 18771), (571, 18927),

Gene: Waterfoul_20 Start: 16344, Stop: 17474, Start Num: 37

Candidate Starts for Waterfoul_20:

(Start: 37 @16344 has 23 MA's), (167, 16587), (181, 16614), (232, 16713), (292, 16815), (332, 16869), (357, 16899), (381, 16935), (383, 16938), (390, 16947), (431, 17022), (433, 17025), (453, 17061), (471, 17103), (496, 17121), (499, 17127), (513, 17151), (514, 17154), (516, 17160), (535, 17193), (648, 17403), (663, 17442), (668, 17460),

Gene: Webster2_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Webster2_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: WeiHuaDA_33 Start: 21452, Stop: 22465, Start Num: 71

Candidate Starts for WeiHuaDA_33:

(Start: 71 @21452 has 224 MA's), (86, 21470), (127, 21527), (143, 21545), (164, 21581), (183, 21620), (306, 21827), (329, 21866), (332, 21869), (364, 21914), (403, 21974), (418, 22007), (462, 22097), (480, 22133), (571, 22322), (576, 22331),

Gene: Weirido19_18 Start: 14977, Stop: 16083, Start Num: 59

Candidate Starts for Weirido19_18:

(8, 14650), (10, 14686), (Start: 59 @14977 has 11 MA's), (Start: 68 @14989 has 28 MA's), (Start: 155 @15118 has 1 MA's), (180, 15163), (181, 15166), (183, 15172), (190, 15187), (236, 15271), (284, 15355), (296, 15385), (299, 15391), (319, 15421), (345, 15448), (348, 15454), (354, 15463), (385, 15508), (397, 15526), (402, 15535), (444, 15610), (451, 15628), (518, 15769), (601, 15937), (626, 15976), (640, 15997), (645, 16006), (648, 16012), (663, 16051),

Gene: Wendigo_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Wendigo_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Whabigail7_29 Start: 19670, Stop: 20686, Start Num: 71

Candidate Starts for Whabigail7_29:

(Start: 71 @19670 has 224 MA's), (127, 19745), (143, 19763), (164, 19799), (183, 19838), (306, 20045), (329, 20084), (332, 20087), (390, 20174), (480, 20354), (529, 20456), (564, 20531), (571, 20543),

Gene: Whack_17 Start: 16453, Stop: 17082, Start Num: 226

Candidate Starts for Whack_17:

(112, 16246), (210, 16429), (Start: 226 @16453 has 1 MA's), (232, 16465), (272, 16504), (290, 16534), (301, 16552), (346, 16609), (348, 16612), (356, 16624), (368, 16639), (390, 16666), (396, 16675), (458, 16777), (462, 16783), (464, 16789), (504, 16837), (513, 16849), (531, 16876), (570, 16948), (600, 17002), (605, 17008), (617, 17026), (644, 17068),

Gene: WheatThin_21 Start: 16293, Stop: 17354, Start Num: 76

Candidate Starts for WheatThin_21:

(Start: 76 @16293 has 18 MA's), (Start: 111 @16338 has 15 MA's), (130, 16368), (190, 16476), (274, 16626), (296, 16674), (356, 16758), (364, 16767), (394, 16809), (488, 16986), (505, 17019), (526, 17055), (626, 17250), (662, 17322), (663, 17325),

Gene: Wheezy_40 Start: 28862, Stop: 29803, Start Num: 96

Candidate Starts for Wheezy_40:

(Start: 96 @28862 has 26 MA's), (152, 28949), (190, 29024), (Start: 226 @29090 has 1 MA's), (249, 29132), (282, 29189), (426, 29402), (447, 29429), (513, 29540), (580, 29672), (636, 29768),

Gene: Whirlwind_19 Start: 16247, Stop: 17137, Start Num: 70

Candidate Starts for Whirlwind_19:

(Start: 70 @16247 has 85 MA's), (90, 16271), (Start: 119 @16316 has 6 MA's), (127, 16331), (Start: 145 @16352 has 14 MA's), (196, 16448), (285, 16583), (290, 16592), (329, 16652), (332, 16655), (336, 16661), (389, 16733), (429, 16766), (491, 16841), (525, 16916), (544, 16967), (571, 17009), (647, 17120), (649, 17123),

Gene: Whitney_20 Start: 16305, Stop: 17228, Start Num: 116

Candidate Starts for Whitney_20:

(Start: 116 @16305 has 15 MA's), (Start: 119 @16308 has 6 MA's), (128, 16320), (140, 16338), (169, 16383), (190, 16422), (210, 16461), (232, 16494), (234, 16500), (277, 16569), (305, 16623), (307, 16626), (309, 16629), (317, 16641), (337, 16665), (342, 16671), (352, 16689), (394, 16743), (401, 16755), (404, 16761), (422, 16782), (452, 16827), (453, 16830), (459, 16848), (462, 16854), (469, 16869), (471, 16872), (545, 17025), (546, 17028), (550, 17034), (571, 17067), (583, 17085), (596, 17118), (631, 17169), (641, 17184), (658, 17220),

Gene: Whitty_18 Start: 16018, Stop: 16983, Start Num: 63

Candidate Starts for Whitty_18:

(Start: 63 @16018 has 7 MA's), (Start: 84 @16045 has 25 MA's), (Start: 93 @16063 has 57 MA's), (203, 16240), (204, 16243), (249, 16318), (285, 16384), (294, 16411), (329, 16468), (336, 16477), (515, 16714), (527, 16738), (576, 16837), (586, 16858), (594, 16879), (618, 16918), (623, 16927),

Gene: WhoseManz_42 Start: 26578, Stop: 27498, Start Num: 100

Candidate Starts for WhoseManz_42:

(Start: 100 @26578 has 8 MA's), (152, 26659), (178, 26704), (209, 26773), (282, 26899), (306, 26941), (370, 27025), (401, 27076), (426, 27109), (513, 27247), (543, 27307), (550, 27325), (580, 27367), (632, 27457), (636, 27463), (648, 27484),

Gene: WideWale_29 Start: 19643, Stop: 20659, Start Num: 71

Candidate Starts for WideWale_29:

(Start: 71 @19643 has 224 MA's), (127, 19718), (143, 19736), (164, 19772), (183, 19811), (285, 19988), (306, 20018), (329, 20057), (332, 20060), (571, 20516), (585, 20540),

Gene: Widow_17 Start: 14300, Stop: 15133, Start Num: 145

Candidate Starts for Widow_17:

(Start: 145 @14300 has 14 MA's), (183, 14369), (233, 14453), (260, 14504), (318, 14612), (384, 14705), (392, 14717), (396, 14723), (444, 14789), (520, 14915), (538, 14942), (539, 14945), (544, 14963), (557, 14978), (578, 15017),

Gene: Wigglewobble_17 Start: 16106, Stop: 17020, Start Num: 70

Candidate Starts for Wigglewobble_17:

(Start: 70 @16106 has 85 MA's), (90, 16130), (Start: 108 @16160 has 38 MA's), (189, 16286), (237, 16358), (328, 16511), (329, 16514), (332, 16517), (351, 16547), (416, 16604), (429, 16628), (438, 16634), (491, 16703), (502, 16721), (509, 16742), (533, 16796), (538, 16808), (571, 16871), (647, 17000), (654, 17012),

Gene: Wiks_30 Start: 18958, Stop: 19974, Start Num: 71

Candidate Starts for Wiks_30:

(Start: 71 @18958 has 224 MA's), (86, 18976), (Start: 108 @19012 has 38 MA's), (143, 19051), (196, 19156), (306, 19333), (329, 19372), (332, 19375), (390, 19462), (403, 19483), (463, 19609), (502, 19681), (571, 19831), (576, 19840), (622, 19921),

Gene: Wilder_17 Start: 16079, Stop: 16993, Start Num: 70

Candidate Starts for Wilder_17:

(Start: 70 @16079 has 85 MA's), (90, 16103), (Start: 108 @16133 has 38 MA's), (189, 16259), (237, 16331), (328, 16484), (329, 16487), (332, 16490), (351, 16520), (416, 16577), (429, 16601), (438, 16607), (491, 16676), (502, 16694), (509, 16715), (533, 16769), (538, 16781), (571, 16844), (647, 16973), (654, 16985),

Gene: William_18 Start: 15832, Stop: 16692, Start Num: 87

Candidate Starts for William_18:

(Start: 87 @15832 has 24 MA's), (Start: 105 @15847 has 1 MA's), (124, 15877), (139, 15898), (186, 15988), (230, 16069), (390, 16273), (392, 16276), (529, 16471), (578, 16561), (603, 16603), (632, 16651), (636, 16657),

Gene: WilliamBoone_47 Start: 28015, Stop: 28902, Start Num: 87

Candidate Starts for WilliamBoone_47:

(Start: 87 @28015 has 24 MA's), (Start: 91 @28021 has 13 MA's), (123, 28069), (142, 28096), (182, 28168), (189, 28183), (312, 28372), (390, 28465), (405, 28489), (411, 28504), (469, 28597), (471, 28600), (513, 28648), (611, 28828), (634, 28864),

Gene: Winky_17 Start: 16074, Stop: 16988, Start Num: 70

Candidate Starts for Winky_17:

(Start: 70 @16074 has 85 MA's), (90, 16098), (Start: 108 @16128 has 38 MA's), (189, 16254), (237, 16326), (328, 16479), (329, 16482), (332, 16485), (351, 16515), (416, 16572), (429, 16596), (438, 16602), (491, 16671), (502, 16689), (509, 16710), (538, 16776), (571, 16839), (647, 16968), (654, 16980),

Gene: Wintermute_23 Start: 17489, Stop: 18622, Start Num: 33

Candidate Starts for Wintermute_23:

(Start: 33 @17489 has 231 MA's), (38, 17507), (Start: 59 @17579 has 11 MA's), (80, 17609), (142, 17699), (167, 17741), (180, 17765), (233, 17870), (386, 18092), (390, 18098), (469, 18248), (471,

18251), (496, 18269), (513, 18299), (535, 18341), (537, 18344), (557, 18395), (640, 18536), (648, 18551), (663, 18590), (668, 18608),

Gene: Wishmaker_21 Start: 16315, Stop: 17409, Start Num: 68

Candidate Starts for Wishmaker_21:

(Start: 68 @16315 has 28 MA's), (75, 16324), (142, 16420), (147, 16429), (153, 16438), (181, 16489), (183, 16495), (234, 16591), (243, 16609), (284, 16678), (289, 16687), (296, 16708), (299, 16714), (302, 16720), (305, 16723), (356, 16795), (359, 16798), (451, 16954), (477, 17005), (484, 17023), (518, 17095), (529, 17113), (564, 17197), (580, 17224), (583, 17227), (601, 17263), (611, 17281), (640, 17323), (648, 17338), (650, 17341), (661, 17371), (663, 17377),

Gene: Wisp_17 Start: 15521, Stop: 16366, Start Num: 105

Candidate Starts for Wisp_17:

(Start: 85 @15500 has 15 MA's), (Start: 89 @15506 has 29 MA's), (Start: 105 @15521 has 1 MA's), (186, 15662), (230, 15743), (280, 15800), (286, 15809), (306, 15842), (392, 15950), (447, 16034), (496, 16100), (529, 16145), (578, 16235), (603, 16277), (651, 16358),

Gene: Wizard_30 Start: 25052, Stop: 25996, Start Num: 99

Candidate Starts for Wizard_30:

(Start: 99 @25052 has 32 MA's), (165, 25157), (201, 25226), (203, 25232), (217, 25256), (228, 25271), (462, 25631), (469, 25646), (485, 25664), (533, 25766), (548, 25808), (567, 25844), (623, 25940), (653, 25991),

Gene: Wocket_19 Start: 15980, Stop: 16840, Start Num: 89

Candidate Starts for Wocket_19:

(Start: 85 @15974 has 15 MA's), (Start: 89 @15980 has 29 MA's), (186, 16136), (392, 16424), (447, 16508), (496, 16574), (499, 16580), (578, 16709), (603, 16751),

Gene: Wolfwood_21 Start: 15738, Stop: 16703, Start Num: 114

Candidate Starts for Wolfwood_21:

(Start: 114 @15738 has 61 MA's), (144, 15783), (165, 15819), (177, 15840), (190, 15867), (217, 15921), (255, 15978), (272, 16002), (277, 16011), (278, 16014), (311, 16083), (342, 16131), (404, 16221), (414, 16236), (447, 16275), (517, 16431), (545, 16497), (546, 16500), (548, 16503), (562, 16530), (567, 16539), (583, 16563), (596, 16596), (608, 16614), (635, 16659), (652, 16689), (654, 16695),

Gene: Wolpertinger_26 Start: 19733, Stop: 20755, Start Num: 71

Candidate Starts for Wolpertinger_26:

(Start: 71 @19733 has 224 MA's), (Start: 108 @19790 has 38 MA's), (159, 19865), (234, 19994), (265, 20054), (297, 20114), (306, 20120), (332, 20162), (364, 20207), (368, 20213), (418, 20297), (439, 20330), (571, 20612), (576, 20621), (585, 20636), (622, 20702),

Gene: WorldCup_25 Start: 18587, Stop: 19609, Start Num: 71

Candidate Starts for WorldCup_25:

(Start: 71 @18587 has 224 MA's), (86, 18605), (Start: 108 @18641 has 38 MA's), (127, 18662), (143, 18680), (196, 18785), (285, 18932), (306, 18962), (332, 19004), (403, 19109), (426, 19154), (450, 19199), (470, 19250), (474, 19256), (478, 19265), (529, 19379), (552, 19430), (564, 19454), (571, 19466), (622, 19556),

Gene: Wrigley_19 Start: 16522, Stop: 17430, Start Num: 108

Candidate Starts for Wrigley_19:

(Start: 108 @16522 has 38 MA's), (144, 16579), (221, 16714), (232, 16729), (233, 16732), (269, 16783), (352, 16891), (388, 16939), (404, 16963), (415, 16981), (422, 16987), (449, 17023), (517,

17179), (538, 17206), (541, 17218), (546, 17233), (571, 17278), (583, 17296), (586, 17305), (604, 17341), (606, 17344), (627, 17380), (631, 17386), (635, 17392),

Gene: WunderPhul_30 Start: 18958, Stop: 19974, Start Num: 71

Candidate Starts for WunderPhul_30:

(Start: 71 @18958 has 224 MA's), (86, 18976), (Start: 108 @19012 has 38 MA's), (143, 19051), (196, 19156), (306, 19333), (329, 19372), (332, 19375), (390, 19462), (403, 19483), (463, 19609), (502, 19681), (571, 19831), (576, 19840), (622, 19921),

Gene: Wyatt2_17 Start: 15847, Stop: 16746, Start Num: 59

Candidate Starts for Wyatt2_17:

(45, 15811), (Start: 59 @15847 has 11 MA's), (Start: 70 @15865 has 85 MA's), (90, 15889), (Start: 108 @15919 has 38 MA's), (Start: 119 @15934 has 6 MA's), (Start: 145 @15967 has 14 MA's), (237, 16111), (329, 16267), (332, 16270), (336, 16276), (368, 16321), (389, 16348), (438, 16387), (459, 16420), (463, 16429), (491, 16456), (542, 16576), (571, 16624), (620, 16690), (623, 16696), (647, 16735),

Gene: XianYue_27 Start: 19126, Stop: 20139, Start Num: 71

Candidate Starts for XianYue_27:

(Start: 71 @19126 has 224 MA's), (127, 19201), (143, 19219), (164, 19255), (183, 19294), (190, 19309), (265, 19435), (285, 19471), (306, 19501), (329, 19540), (332, 19543), (364, 19588), (480, 19807), (529, 19909), (564, 19984), (571, 19996), (585, 20020),

Gene: Ximenita_22 Start: 15360, Stop: 16499, Start Num: 33

Candidate Starts for Ximenita_22:

(Start: 33 @15360 has 231 MA's), (80, 15480), (142, 15570), (181, 15639), (292, 15840), (332, 15894), (431, 16047), (445, 16065), (496, 16146), (513, 16176), (516, 16185), (535, 16218), (580, 16311), (590, 16335), (640, 16413), (648, 16428), (663, 16467), (668, 16485),

Gene: Y10_23 Start: 17489, Stop: 18622, Start Num: 33

Candidate Starts for Y10_23:

(Start: 33 @17489 has 231 MA's), (38, 17507), (Start: 59 @17579 has 11 MA's), (80, 17609), (142, 17699), (167, 17741), (180, 17765), (233, 17870), (386, 18092), (390, 18098), (469, 18248), (471, 18251), (496, 18269), (513, 18299), (535, 18341), (537, 18344), (557, 18395), (640, 18536), (648, 18551), (663, 18590), (668, 18608),

Gene: Y2_23 Start: 17489, Stop: 18622, Start Num: 33

Candidate Starts for Y2_23:

(Start: 33 @17489 has 231 MA's), (38, 17507), (Start: 59 @17579 has 11 MA's), (80, 17609), (142, 17699), (167, 17741), (180, 17765), (233, 17870), (386, 18092), (390, 18098), (469, 18248), (471, 18251), (496, 18269), (513, 18299), (535, 18341), (537, 18344), (557, 18395), (640, 18536), (648, 18551), (663, 18590), (668, 18608),

Gene: Yakult_18 Start: 14355, Stop: 15323, Start Num: 114

Candidate Starts for Yakult_18:

(65, 14280), (Start: 114 @14355 has 61 MA's), (144, 14400), (146, 14403), (147, 14406), (156, 14421), (165, 14436), (182, 14472), (190, 14484), (272, 14616), (277, 14625), (340, 14739), (342, 14742), (404, 14832), (462, 14943), (506, 15030), (546, 15126), (548, 15129), (562, 15156), (567, 15165), (571, 15171), (583, 15189), (596, 15222), (602, 15231), (652, 15309), (654, 15315),

Gene: YangYin_17 Start: 15824, Stop: 17002, Start Num: 33

Candidate Starts for YangYin_17:

(4, 15413), (5, 15473), (Start: 33 @15824 has 231 MA's), (Start: 93 @15968 has 57 MA's), (127, 16019), (167, 16085), (169, 16088), (218, 16187), (220, 16190), (233, 16214), (265, 16259), (270, 16265), (399, 16454), (429, 16514), (483, 16622), (488, 16634), (513, 16679), (535, 16721), (626, 16895), (628, 16898), (640, 16916), (660, 16958), (661, 16964),

Gene: Yarn_16 Start: 14423, Stop: 15394, Start Num: 114

Candidate Starts for Yarn_16:

(Start: 114 @14423 has 61 MA's), (144, 14468), (156, 14489), (165, 14504), (177, 14525), (201, 14576), (217, 14606), (234, 14633), (272, 14684), (277, 14693), (278, 14696), (305, 14750), (311, 14762), (342, 14810), (404, 14900), (437, 14951), (451, 14981), (462, 15011), (471, 15029), (517, 15125), (528, 15143), (545, 15194), (546, 15197), (562, 15227), (567, 15236), (576, 15251), (606, 15308), (639, 15356), (652, 15380), (654, 15386),

Gene: YasnayaPolyana_23 Start: 17490, Stop: 18623, Start Num: 33

Candidate Starts for YasnayaPolyana_23:

(Start: 33 @17490 has 231 MA's), (38, 17508), (Start: 59 @17580 has 11 MA's), (80, 17610), (142, 17700), (167, 17742), (180, 17766), (233, 17871), (386, 18093), (390, 18099), (469, 18249), (471, 18252), (496, 18270), (513, 18300), (535, 18342), (537, 18345), (557, 18396), (640, 18537), (648, 18552), (663, 18591), (668, 18609),

Gene: Yecey3_27 Start: 18619, Stop: 19641, Start Num: 71

Candidate Starts for Yecey3_27:

(Start: 71 @18619 has 224 MA's), (86, 18637), (143, 18712), (164, 18748), (265, 18928), (285, 18964), (306, 18994), (332, 19036), (364, 19081), (418, 19174), (426, 19186), (439, 19207), (470, 19282), (571, 19498), (576, 19507),

Gene: Yndexa_42 Start: 28532, Stop: 29452, Start Num: 100

Candidate Starts for Yndexa_42:

(Start: 100 @28532 has 8 MA's), (152, 28613), (178, 28658), (209, 28727), (306, 28895), (370, 28979), (401, 29030), (426, 29063), (543, 29261), (550, 29279), (580, 29321), (632, 29411), (636, 29417), (648, 29438),

Gene: Yogi_22 Start: 15454, Stop: 16326, Start Num: 78

Candidate Starts for Yogi_22:

(Start: 78 @15454 has 85 MA's), (101, 15493), (159, 15574), (163, 15580), (194, 15649), (249, 15727), (261, 15754), (332, 15865), (428, 15961), (529, 16090), (535, 16108), (571, 16177), (649, 16315),

Gene: Yokurt_30 Start: 18958, Stop: 19974, Start Num: 71

Candidate Starts for Yokurt_30:

(Start: 71 @18958 has 224 MA's), (86, 18976), (Start: 108 @19012 has 38 MA's), (143, 19051), (196, 19156), (306, 19333), (329, 19372), (332, 19375), (390, 19462), (403, 19483), (463, 19609), (502, 19681), (571, 19831), (576, 19840), (622, 19921),

Gene: Yoncess_22 Start: 15454, Stop: 16326, Start Num: 78

Candidate Starts for Yoncess_22:

(Start: 78 @15454 has 85 MA's), (101, 15493), (159, 15574), (163, 15580), (194, 15649), (249, 15727), (261, 15754), (332, 15865), (428, 15961), (529, 16090), (535, 16108), (571, 16177), (649, 16315),

Gene: YorkOnyx_34 Start: 28912, Stop: 29868, Start Num: 93

Candidate Starts for YorkOnyx_34:

(Start: 93 @28912 has 57 MA's), (190, 29068), (203, 29098), (210, 29110), (217, 29122), (228, 29137), (234, 29149), (334, 29308), (360, 29344), (401, 29404), (414, 29428), (431, 29440), (462, 29500), (513, 29590), (548, 29680), (561, 29704), (567, 29716), (602, 29782), (610, 29797), (629, 29821),

(637, 29833),

Gene: Yoshi_18 Start: 12812, Stop: 13741, Start Num: 108

Candidate Starts for Yoshi_18:

(Start: 108 @12812 has 38 MA's), (147, 12872), (177, 12923), (232, 13022), (234, 13028), (241, 13043), (274, 13085), (317, 13163), (333, 13181), (381, 13247), (390, 13259), (421, 13304), (451, 13343), (453, 13349), (462, 13373), (463, 13376), (464, 13379), (510, 13457), (517, 13478), (518, 13481), (537, 13517), (545, 13544), (546, 13547), (571, 13586), (583, 13604), (585, 13610), (602, 13646), (606, 13652), (622, 13676), (627, 13682), (631, 13688),

Gene: YoureAdopted_21 Start: 15987, Stop: 17123, Start Num: 33

Candidate Starts for YoureAdopted_21:

(Start: 33 @15987 has 231 MA's), (80, 16104), (142, 16194), (Start: 155 @16215 has 1 MA's), (167, 16236), (181, 16263), (332, 16518), (392, 16599), (433, 16674), (445, 16689), (513, 16800), (535, 16842), (580, 16935), (590, 16959), (648, 17052), (663, 17091), (668, 17109),

Gene: Yucky_17 Start: 15337, Stop: 16293, Start Num: 114

Candidate Starts for Yucky_17:

(Start: 114 @15337 has 61 MA's), (144, 15382), (177, 15439), (190, 15466), (217, 15520), (234, 15547), (272, 15598), (274, 15601), (277, 15607), (278, 15610), (305, 15664), (312, 15679), (342, 15724), (357, 15748), (373, 15763), (404, 15814), (462, 15910), (546, 16096), (562, 16126), (567, 16135), (583, 16159), (596, 16192), (652, 16279), (654, 16285),

Gene: Yummy_18 Start: 14308, Stop: 15279, Start Num: 114

Candidate Starts for Yummy_18:

(Start: 114 @14308 has 61 MA's), (144, 14353), (156, 14374), (165, 14389), (190, 14437), (201, 14461), (217, 14491), (272, 14569), (277, 14578), (278, 14581), (311, 14647), (342, 14695), (375, 14737), (404, 14785), (437, 14836), (462, 14896), (469, 14911), (471, 14914), (486, 14938), (517, 15010), (528, 15028), (545, 15079), (546, 15082), (562, 15112), (567, 15121), (576, 15136), (596, 15178), (606, 15193), (639, 15241), (652, 15265), (654, 15271),

Gene: Yuna_22 Start: 15278, Stop: 16414, Start Num: 33

Candidate Starts for Yuna_22:

(Start: 33 @15278 has 231 MA's), (80, 15395), (124, 15458), (181, 15554), (233, 15656), (292, 15755), (332, 15809), (392, 15890), (471, 16043), (499, 16067), (535, 16133), (537, 16136), (538, 16139), (580, 16226), (640, 16328), (648, 16343), (663, 16382), (668, 16400),

Gene: YungMoney_32 Start: 26412, Stop: 27344, Start Num: 99

Candidate Starts for YungMoney_32:

(Start: 99 @26412 has 32 MA's), (165, 26508), (201, 26577), (203, 26583), (210, 26595), (212, 26598), (217, 26607), (228, 26622), (334, 26796), (357, 26829), (360, 26832), (451, 26949), (462, 26979), (533, 27114), (545, 27150), (567, 27192), (608, 27267), (623, 27288),

Gene: Yunkel11_22 Start: 15243, Stop: 16379, Start Num: 33

Candidate Starts for Yunkel11_22:

(Start: 33 @15243 has 231 MA's), (80, 15360), (142, 15450), (Start: 155 @15471 has 1 MA's), (181, 15519), (332, 15774), (392, 15855), (433, 15930), (445, 15945), (513, 16056), (535, 16098), (571, 16176), (580, 16191), (590, 16215), (648, 16308), (663, 16347), (668, 16365),

Gene: Yvonnetastic_44 Start: 29619, Stop: 30515, Start Num: 83

Candidate Starts for Yvonnetastic_44:

(Start: 83 @29619 has 2 MA's), (142, 29706), (180, 29772), (186, 29787), (189, 29793), (303, 29964), (349, 30021), (390, 30075), (405, 30099), (462, 30198), (471, 30216), (513, 30264), (529, 30282),

(538, 30306), (632, 30474),

Gene: ZAYM_18 Start: 16111, Stop: 16974, Start Num: 155

Candidate Starts for ZAYM_18:

(13, 15733), (17, 15784), (Start: 94 @16030 has 5 MA's), (Start: 111 @16048 has 15 MA's), (Start: 119 @16057 has 6 MA's), (147, 16099), (Start: 155 @16111 has 1 MA's), (284, 16333), (307, 16378), (323, 16402), (330, 16408), (342, 16423), (362, 16453), (404, 16513), (406, 16519), (452, 16579), (453, 16582), (462, 16606), (497, 16663), (537, 16750), (571, 16819), (598, 16873), (652, 16957),

Gene: Zabiza_22 Start: 16018, Stop: 17154, Start Num: 33

Candidate Starts for Zabiza_22:

(Start: 33 @16018 has 231 MA's), (80, 16135), (142, 16225), (Start: 155 @16246 has 1 MA's), (167, 16267), (181, 16294), (332, 16549), (392, 16630), (433, 16705), (445, 16720), (513, 16831), (535, 16873), (580, 16966), (590, 16990), (648, 17083), (663, 17122), (668, 17140),

Gene: Zaka_30 Start: 18958, Stop: 19974, Start Num: 71

Candidate Starts for Zaka_30:

(Start: 71 @18958 has 224 MA's), (86, 18976), (Start: 108 @19012 has 38 MA's), (143, 19051), (196, 19156), (306, 19333), (329, 19372), (332, 19375), (390, 19462), (403, 19483), (463, 19609), (502, 19681), (571, 19831), (576, 19840), (622, 19921),

Gene: Zakai_17 Start: 16068, Stop: 16982, Start Num: 70

Candidate Starts for Zakai_17:

(Start: 70 @16068 has 85 MA's), (90, 16092), (Start: 108 @16122 has 38 MA's), (189, 16248), (237, 16320), (328, 16473), (329, 16476), (332, 16479), (351, 16509), (416, 16566), (429, 16590), (438, 16596), (491, 16665), (502, 16683), (509, 16704), (538, 16770), (571, 16833), (647, 16962), (654, 16974),

Gene: Zapner_19 Start: 13337, Stop: 14266, Start Num: 108

Candidate Starts for Zapner_19:

(Start: 108 @13337 has 38 MA's), (147, 13397), (177, 13448), (232, 13547), (234, 13553), (241, 13568), (317, 13688), (333, 13706), (381, 13772), (390, 13784), (421, 13829), (451, 13868), (453, 13874), (462, 13898), (463, 13901), (464, 13904), (469, 13913), (471, 13916), (510, 13982), (517, 14003), (518, 14006), (537, 14042), (545, 14069), (546, 14072), (571, 14111), (583, 14129), (585, 14135), (602, 14171), (606, 14177), (622, 14201), (627, 14207), (631, 14213),

Gene: Zarbodnamra_18 Start: 15786, Stop: 16652, Start Num: 85

Candidate Starts for Zarbodnamra_18:

(Start: 85 @15786 has 15 MA's), (Start: 89 @15792 has 29 MA's), (186, 15948), (230, 16029), (306, 16128), (392, 16236), (447, 16320), (578, 16521), (603, 16563),

Gene: Zareef_19 Start: 15746, Stop: 16711, Start Num: 114

Candidate Starts for Zareef_19:

(Start: 114 @15746 has 61 MA's), (144, 15791), (165, 15827), (177, 15848), (190, 15875), (217, 15929), (272, 16010), (277, 16019), (278, 16022), (311, 16091), (342, 16139), (404, 16229), (414, 16244), (447, 16283), (517, 16439), (545, 16505), (546, 16508), (548, 16511), (562, 16538), (567, 16547), (583, 16571), (596, 16604), (608, 16622), (635, 16667), (652, 16697), (654, 16703),

Gene: Zaria_17 Start: 15861, Stop: 16760, Start Num: 59

Candidate Starts for Zaria_17:

(Start: 59 @15861 has 11 MA's), (Start: 70 @15879 has 85 MA's), (90, 15903), (Start: 108 @15933 has 38 MA's), (Start: 119 @15948 has 6 MA's), (Start: 145 @15981 has 14 MA's), (237, 16125), (281, 16206), (329, 16281), (332, 16284), (336, 16290), (368, 16335), (389, 16362), (429, 16395), (438,

16401), (459, 16434), (463, 16443), (491, 16470), (542, 16590), (571, 16638), (620, 16704), (623, 16710), (647, 16749),

Gene: Zavala_22 Start: 15992, Stop: 17128, Start Num: 33

Candidate Starts for Zavala_22:

(Start: 33 @15992 has 231 MA's), (80, 16109), (142, 16199), (Start: 155 @16220 has 1 MA's), (167, 16241), (181, 16268), (332, 16523), (392, 16604), (433, 16679), (445, 16694), (513, 16805), (535, 16847), (580, 16940), (590, 16964), (648, 17057), (663, 17096), (668, 17114),

Gene: ZenTime222_18 Start: 16018, Stop: 16983, Start Num: 63

Candidate Starts for ZenTime222_18:

(Start: 63 @16018 has 7 MA's), (Start: 84 @16045 has 25 MA's), (Start: 93 @16063 has 57 MA's), (203, 16240), (204, 16243), (249, 16318), (285, 16384), (294, 16411), (329, 16468), (336, 16477), (515, 16714), (527, 16738), (576, 16837), (586, 16858), (594, 16879), (618, 16918), (623, 16927),

Gene: ZhongYanYuan_16 Start: 15899, Stop: 16813, Start Num: 70

Candidate Starts for ZhongYanYuan_16:

(Start: 70 @15899 has 85 MA's), (90, 15923), (Start: 108 @15953 has 38 MA's), (164, 16034), (189, 16079), (328, 16304), (329, 16307), (332, 16310), (351, 16340), (416, 16397), (438, 16427), (491, 16496), (502, 16514), (533, 16589), (538, 16601), (571, 16664), (588, 16691), (623, 16754), (647, 16793), (654, 16805),

Gene: ZiggyZoo_17 Start: 15583, Stop: 16443, Start Num: 89

Candidate Starts for ZiggyZoo_17:

(Start: 85 @15577 has 15 MA's), (Start: 89 @15583 has 29 MA's), (186, 15739), (230, 15820), (306, 15919), (392, 16027), (447, 16111), (496, 16177), (529, 16222), (578, 16312), (603, 16354),

Gene: Ziko_55 Start: 27888, Stop: 28832, Start Num: 108

Candidate Starts for Ziko_55:

(Start: 106 @27885 has 1 MA's), (Start: 108 @27888 has 38 MA's), (181, 28008), (234, 28104), (298, 28206), (340, 28272), (352, 28293), (357, 28299), (390, 28350), (404, 28374), (462, 28467), (488, 28506), (539, 28617), (540, 28623), (543, 28632), (545, 28638), (562, 28671), (567, 28680), (573, 28689), (583, 28704), (625, 28779), (633, 28791), (641, 28803), (652, 28824),

Gene: Zilla_18 Start: 15825, Stop: 16670, Start Num: 105

Candidate Starts for Zilla_18:

(Start: 87 @15810 has 24 MA's), (Start: 105 @15825 has 1 MA's), (170, 15927), (186, 15966), (230, 16047), (297, 16131), (306, 16146), (392, 16254), (447, 16338), (496, 16404), (499, 16410), (578, 16539), (590, 16566), (603, 16581),

Gene: Zimmer_29 Start: 21369, Stop: 22385, Start Num: 71

Candidate Starts for Zimmer_29:

(Start: 71 @21369 has 224 MA's), (127, 21444), (143, 21462), (164, 21498), (183, 21537), (306, 21744), (329, 21783), (332, 21786), (571, 22242),

Gene: Zion_33 Start: 28461, Stop: 29327, Start Num: 85

Candidate Starts for Zion_33:

(Start: 85 @28461 has 15 MA's), (102, 28485), (131, 28530), (165, 28590), (184, 28629), (235, 28725), (332, 28887), (358, 28920), (422, 28995), (443, 29019), (554, 29160), (580, 29196), (591, 29223), (628, 29280),

Gene: Zipp_33 Start: 29867, Stop: 30844, Start Num: 84

Candidate Starts for Zipp_33:

(Start: 84 @29867 has 25 MA's), (144, 29954), (165, 29990), (183, 30026), (284, 30182), (286, 30185), (334, 30254), (379, 30317), (386, 30326), (437, 30416), (452, 30449), (453, 30452), (538, 30605), (555, 30647), (568, 30668), (586, 30695), (595, 30716), (601, 30725), (605, 30731), (625, 30764), (627, 30767), (656, 30812), (660, 30821), (664, 30833),

Gene: Zitch_35 Start: 27751, Stop: 28728, Start Num: 84

Candidate Starts for Zitch_35:

(Start: 84 @27751 has 25 MA's), (136, 27826), (144, 27838), (165, 27874), (183, 27910), (237, 28012), (284, 28066), (334, 28138), (341, 28144), (379, 28201), (386, 28210), (418, 28267), (437, 28300), (452, 28333), (453, 28336), (538, 28489), (549, 28522), (555, 28531), (568, 28552), (586, 28579), (595, 28600), (601, 28609), (605, 28615), (625, 28648), (627, 28651), (660, 28705), (664, 28717),

Gene: ZoMa_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for ZoMa_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Zodiariah_17 Start: 15097, Stop: 16167, Start Num: 70

Candidate Starts for Zodiariah_17:

(Start: 70 @15097 has 85 MA's), (77, 15106), (142, 15199), (167, 15241), (190, 15289), (284, 15457), (293, 15481), (296, 15487), (348, 15559), (354, 15568), (356, 15571), (451, 15721), (461, 15748), (484, 15790), (511, 15838), (580, 15985), (605, 16030), (607, 16033), (626, 16063), (645, 16093), (648, 16099), (662, 16135), (663, 16138),

Gene: ZoeJ_18 Start: 13830, Stop: 14957, Start Num: 35

Candidate Starts for ZoeJ_18:

(Start: 35 @13830 has 11 MA's), (38, 13839), (80, 13941), (142, 14031), (167, 14073), (169, 14076), (181, 14100), (232, 14199), (273, 14262), (292, 14301), (332, 14355), (390, 14433), (431, 14508), (471, 14586), (496, 14604), (513, 14634), (535, 14676), (537, 14679), (580, 14769), (590, 14793), (640, 14871), (648, 14886), (663, 14925), (668, 14943),

Gene: Zolita_22 Start: 18827, Stop: 19840, Start Num: 78

Candidate Starts for Zolita_22:

(Start: 78 @18827 has 85 MA's), (143, 18923), (163, 18956), (164, 18959), (183, 18998), (204, 19046), (306, 19199), (313, 19217), (332, 19241), (361, 19283), (519, 19595), (571, 19697), (586, 19724),

Gene: Zombie_17 Start: 15477, Stop: 16649, Start Num: 33

Candidate Starts for Zombie_17:

(5, 15144), (Start: 33 @15477 has 231 MA's), (80, 15597), (Start: 93 @15615 has 57 MA's), (124, 15660), (127, 15666), (165, 15729), (183, 15765), (218, 15834), (220, 15837), (232, 15858), (270, 15912), (292, 15957), (311, 15987), (390, 16089), (399, 16101), (404, 16113), (412, 16131), (496, 16296), (513, 16326), (526, 16344), (535, 16368), (591, 16488), (648, 16578), (661, 16611),

Gene: Zulu_30 Start: 18957, Stop: 19973, Start Num: 71

Candidate Starts for Zulu_30:

(Start: 71 @18957 has 224 MA's), (86, 18975), (Start: 108 @19011 has 38 MA's), (143, 19050), (196, 19155), (306, 19332), (329, 19371), (332, 19374), (390, 19461), (403, 19482), (463, 19608), (502, 19680), (571, 19830), (576, 19839), (622, 19920),