

Pham 202556

51: Piperish_32 + 1	21	40	66	74	99	106	112	139	186	175	194	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
52: Kamiyu_31	23	20	8	7	99	106	112	139	186	175	194	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
53: Neos5_31	23	20	8	7	99	106	112	139	186	175	194	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
54: SwamyDoc_31	23	20	8	7	99	106	112	139	186	175	194	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
55: Hairpint_30	21	40	66	74	99	106	112	139	186	175	194	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
56: Chalmers_31	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
57: Hajiy898_27 + 7	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
58: Vidiet2_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
59: Nigel_26	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
60: QueenPie_27	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
61: Magpie_27	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
62: Hangman_28 + 1	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
63: Stinger_26	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
64: BrownCNA_29 + 1	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
65: Frederick_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
66: Mudslide_28 + 1	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
67: RawrgerThat_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
68: Muffin_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
69: Fahaw_27	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
70: ChrisMich_27	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
71: Zemanar_29	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
72: JAimaL_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
73: Copper_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
74: Prince_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
75: AlanGrant_29 + 1	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
76: Fortunato_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
77: Hydro_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
78: Xipcheng_27 + 1	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
79: BobbyK_28	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
80: Heath_27	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
81: Austelle_29	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
82: Acadian_30 + 5	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
83: Reprobate_30 + 1	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
84: Serendipitous_29	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
85: Nangang_30 + 4	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
86: Rich_29	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
87: Bae_29	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
88: Nehemiah_29	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
89: Mysterious_31	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
90: Saguaro_31	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
91: Thonko_29	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
92: Klocker_32	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
93: CRB2_33	28	53	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
94: PenguinLover67_32	21	40	66	74	99	106	112	139	186	175	194	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
95: Quesadilla_31	16	31	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
96: Squinty_19	16	31	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
97: Mdavu_23 + 7	16	31	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
98: Curiosium_28	16	31	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
99: Nikao_23	16	31	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588
100: Shabbing_27	16	31	78	83	106	120	144	161	186	191	211	238	288	283	300	322	370	363	388	388	418	436	466	511	533	557	571	588

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 202556 Report

This analysis was run 01/18/25 on database version 583.

Pham number 202556 has 531 members, 68 are drafts.

Phages represented in each track:

- Track 1 : KingCyrus_33
- Track 2 : EvilGenius_33
- Track 3 : ChipMunk_33
- Track 4 : Vanisoa_30
- Track 5 : Arissanae_31
- Track 6 : Maco6_22
- Track 7 : FF47_24
- Track 8 : Muddy_24
- Track 9 : 8UZL_24
- Track 10 : MalagasyRose_27
- Track 11 : Cannibal_31, Schueller_31, LeiMonet_31, Mana_30, Lasso_31, Emiris_31, Cobra_31, LeeLot_31, JDog_30, Murdoc_31, PinheadLarry_31, Lulwa_31, Held_31, Oosterbaan_31, Matalotodo_31, SilverBell_31, Zelda_31, Eugenia_31, DonSanchon_30, LuckyMarjie_30, Mcshane_30, Dice_30, LostAndPhound_30, Altwerkus_30, Dione_30, Squiggle_31, Daffy_31, Vista_31, Mesmerelda_31, Mutante_30, TallGrassMM_31, Jiraiya_31, Sophia_30, Grand2040_30, Chorkpop_31, Selr12_31, Maru_30, Inchworm_31, UncleHowie_31, Childish_30, Ricotta_30, Magic8_31, Thunderbird_30, Pipsqueak_31, Fang_31
- Track 12 : Kailash_31, Vaticameos_31, Puhltonio_31, Mesh1_31, Mecca_30, Samaymay_31, Scrick_31, MitKao_31, TomBombadil_31, Bishoperium_30, Craff_31, Potter_30, Xavier_30, PhrodoBaggins_30, Megatron_31, FriarPreacher_31, Beaglebox_30, Kwadwo_30, CampRoach_31, Mag7_30, Pacifista_30, Harvey_31, SassyCat97_30, Chah_32, QueenBeane_31, Telesworld_30, Omniscient_31, Banjo_30, Iridoclysis_31, Phareon_31, Adriana_31, Lego3393_31, Kimbrough_31, Giraffe_31, Lumine_30, Podrick_31, Riggan_31, Nyala_30, Kahve_30, Usavi_31, Gyarad_0031, YouGoGlencoco_31, True_30, Legolas_30, MRabcd_30, HighStump_30, HSavage_31, Phergie_30, Anderson_31, Apizium_30, LasagnaCat_31, Hocus_30, Veritas_30, Gwilliam_31, Skippy_31, ShiVal_31, Swiphy_32, CamL_31, LemonSlice_31, Plmatters_31, Tomlarah_31, HenryJackson_30, DoesntMatter_31, Charles1_31, Megamind20_31, Haleema_30, Hartsy_31, Simielle_30, Gophee_31, Piglet_0030, Morty_31, Squid_31, Phunky_31, Phamished_31, Fringe_31, Weher20_31, FugateOSU_30, Numberten_31, Orfeu_30, Hamish_31, PhatLouie_31, Andre_31, Melc17_31, PhrankReynolds_30, Serendipity_31, Phipps_31, Placalicious_30, DelRivs_30, Serpentine_0031, Haimas_31, Waterdiva_31, PhenghisKhan_30, Jillium_30, Nicole21_31, Surely_31, Mosaic_30, Slatt_31, Jesabah_31, KLucky39_31, Burr_30, Zaider_32, Dati_31, BatteryCK_30, Soile_31, Virapocalypse_31, Orwigg_31, AngelCake_30,

JangoPhett_31, Iridessa_31, Cher_30, Bluephacebaby_30, Buckeye_31, Gareth_30, Quisquiliae_31, Cosmolli16_30, MichaelPhcott_30

- Track 13 : Manad_30, Newman_31, Schadenfreude_30, Cornobble_30, OliverWalter_31, Nacho_0031, Suffolk_31, AbsoluteMadLad_30
- Track 14 : KingTut_22, Morgushi_31, Kwksand96_30, DaddyDaniels_31, Durga_31, Ashraf_30, Timmi_30, Khan1_31, AltPhacts_31, Lopsy_30, Antonia_30, Roliet_31, GeneCoco_31, Vortex_31, RedMaple_30, Longacauda_30, Pops_31, KingVeVeVe_31, Caspiwai_32, Inverness_31, Basato_32, Daka_31, Brilliant_31, Etaye_31, Trypo_31, Soto_31, Struggle_30, BlueHusk_31, Pinkman_30, ImtiyazSitla_30, Aelin_30, CheetO_31, KlimbOn_31, Rimu_32, MrPhizzler_30, MiniBoss_31, Prickles_31, Maskar_30, Horchata_31, DirtJuice_31, Zonia_31, SDcharge11_31, Duggie_30, Wallhey_30
- Track 15 : Freya_30
- Track 16 : Chute_30, Fozzie_30, Nathan_32, OSmaximus_31, Coletti_30, Windsor_30, Keitherie_31, Virgeve_30
- Track 17 : Olak_30, Sigman_31, Scoot17C_31, BlackStallion_31, IsaacEli_31, UAch1_31, Lulumae_30, Orion_31, ProfessorX_31, Hertubise_31, Badfish_31, Kloppinator_31, Thora_31, JacAttac_31, PG1_31, Katniss_31, PhatCats2014_31, ABU_31, FluffyNinja_31, Swish_31, Roy17_31, Hetaeria_31, Kikipoo_31, Yoshand_31, Olive_31, Mulan_30, Pherdinand_31, Toni_30, Boehler_31
- Track 18 : MelsMeow_30, ElvisPhasley_31, JakeO_30
- Track 19 : Sheila_31, Tooj_31, DuchessDung_29, Chunky_31, Colbert_31, Frankicide_31, Mikota_31, Phleuron_30, Oline_30
- Track 20 : Labeouficaum_30, Jiminy_30, Doddsville_31, CharlieGBrown_30, Derpp_30, TyrionL_30
- Track 21 : Dingo_31
- Track 22 : Robyn_30
- Track 23 : Chaelin_31
- Track 24 : EmpTee_31, Spartan300_31, Valjean_31
- Track 25 : Eremos_31
- Track 26 : Roscoe_32
- Track 27 : Vaishali24_30
- Track 28 : Vivaldi_31
- Track 29 : Gwennie1_31
- Track 30 : Carthage_29
- Track 31 : Solosis_30
- Track 32 : ThreeOh3D2_31
- Track 33 : Crownjwl_31
- Track 34 : Imvubu_24
- Track 35 : Indlovu_28
- Track 36 : Hashim76_34
- Track 37 : Zenteno07_34
- Track 38 : RomaT_31, Phayeta_31
- Track 39 : Nozo_31, Athena_32, Abinghost_31, Compostia_32, Baloo_31, Briakila_31, Ben11_30
- Track 40 : Rita1961_31
- Track 41 : ChaChing_31, Jackstina_28, Tydolla_31, Devonte_31, Phlyer_31, RagingRooster_31, Chandler_31, LestyG_31, MmasiCarm_31, Yinz_31, Chentzyk_30, SynergyX_31, Deenasa_31, Corofin_31, HarveySr_31, Daisy_31
- Track 42 : Gervas_31, Obutu_31, Kronus_30
- Track 43 : Morty007_31, Casbah_30, Marley1013_31, Akoma_31, Gadjet_32
- Track 44 : Glubnar_31
- Track 45 : Mortcellus_30

- Track 46 : Yahalom_31
- Track 47 : Phaedrus_29
- Track 48 : SlippinJimmy_31, GlenHope_32, TinyTerror_31
- Track 49 : OrangeOswald_31, Heathcliff_31
- Track 50 : Audrey_31, Philly_30
- Track 51 : Pipefish_32, Bernardo_31
- Track 52 : Kamiyu_31
- Track 53 : Neos5_31
- Track 54 : SwainyDoc_31
- Track 55 : Halfpint_30
- Track 56 : Chalmers_31
- Track 57 : Hally898_27, Antihero_27, GinPorsche_27, Ahwei_27, Poster_27, Lambano_27, Epah_27, Nanao_27
- Track 58 : VioletZ_28
- Track 59 : Nigel_26
- Track 60 : QueenPie_27
- Track 61 : Magpie_27
- Track 62 : Hangman_28, Waleliano_28
- Track 63 : Stinger_26
- Track 64 : BrownCNA_29, Lolalove_28
- Track 65 : Frederick_28
- Track 66 : Mudslide_28, Apex_28
- Track 67 : RawrgerThat_28
- Track 68 : Mithril_28
- Track 69 : Fanaw_27
- Track 70 : ChrisnMich_27
- Track 71 : Zemanar_29
- Track 72 : JAMaL_28
- Track 73 : Cooper_28
- Track 74 : Prince_28
- Track 75 : AlanGrant_29, Vincenzo_29
- Track 76 : Fortunato_28
- Track 77 : Hydro_28
- Track 78 : Xincheng_27, JaguarMi_28
- Track 79 : BobbyK_28
- Track 80 : Heath_27
- Track 81 : Austelle_29
- Track 82 : Acadian_30, Rita130_30, Donny_30, EastView9101_29, Suigeneris_30, SirJeffery_30
- Track 83 : Reprobate_30, Phelemich_30
- Track 84 : Serendipitous_29
- Track 85 : Nangang_30, StinkyVeggy_32, DigitDog_30, KarasumaRum_32, Shenyu_30
- Track 86 : Rich_29
- Track 87 : Bae_29
- Track 88 : Nehemiah_29
- Track 89 : Mysterious_31
- Track 90 : Saguaro_31
- Track 91 : Thonko_29
- Track 92 : Knocker_32
- Track 93 : CRB2_33
- Track 94 : PenguinLover67_32
- Track 95 : Quesadilla_31

- Track 96 : Squirty_19
- Track 97 : Mdavu_23, Enkosi_23, Amelie_23, LilPharaoh_23, Biglebops_23, Torres_23, SgtBeansprout_23, Nutello_23
- Track 98 : Curiosium_28
- Track 99 : Nikao_23
- Track 100 : Shaobing_27
- Track 101 : LastHope_27
- Track 102 : Dartin_27, McMater_27, Peanam_27, Richo_27, Niklas_27
- Track 103 : Validus_27
- Track 104 : TingHuaYa_27
- Track 105 : Findley_23
- Track 106 : Marcoliusprime_23, DismalStressor_23, DismalFunk_23
- Track 107 : Milly_23
- Track 108 : TM4_23
- Track 109 : ZoeJ_23
- Track 110 : Strobilo_23
- Track 111 : Mufasa_23, BoostSeason_23
- Track 112 : MacnCheese_27
- Track 113 : TBond007_26, Pixie_26
- Track 114 : ShedlockHolmes_26
- Track 115 : Pharb_26
- Track 116 : TribbleTrouble_25
- Track 117 : Hurricane_26
- Track 118 : Keshu_26
- Track 119 : Kraw_29
- Track 120 : Fionnbharth_28, Y10_28, JF1_28, Wintermute_28, Y2_28, Malthus_29
- Track 121 : Reptar3000_28
- Track 122 : MissDaisy_28
- Track 123 : Mitti_28
- Track 124 : OmniCritical_28
- Track 125 : Cheetobro_28, Chancellor_28, Slarp_28
- Track 126 : Patt_28
- Track 127 : Phrank_26, Bryler_26, Cain_26
- Track 128 : Ekdilam_24
- Track 129 : Yuna_28
- Track 130 : Shadow1_25
- Track 131 : Amohnition_26
- Track 132 : Unicorn_26, PhelpsODU_26
- Track 133 : Krueger_26
- Track 134 : DarthP_26
- Track 135 : Amgine_25
- Track 136 : Tierra_26
- Track 137 : Syra333_26
- Track 138 : TClif_26
- Track 139 : Ximenita_27
- Track 140 : Hammy_26
- Track 141 : Sunflower1121_25
- Track 142 : November_26
- Track 143 : Ellie_24
- Track 144 : Fefferhead_26
- Track 145 : Jubie_21, Lumos_21, Snenia_21, Clautastrophe_21, TriFive_21, Nicholas_21, Kingsolomon_21, MsGreen_21, Jobypre_21
- Track 146 : Bellis_21, Finnry_21, Moostard_21, Samty_21

- Track 147 : LiyuLake_21, BourbonZero_20
- Track 148 : MiniMac_21, MiniLon_21, Lolly9_21
- Track 149 : KirDoubleO7_19
- Track 150 : DuncansLeg_21
- Track 151 : Ellson_21
- Track 152 : Krypton555_21, Whirlwind_22
- Track 153 : SkinnyPete_20, Panchino_20
- Track 154 : Andies_20
- Track 155 : Phloss_20
- Track 156 : Shweta_20
- Track 157 : Scitech_20
- Track 158 : Xeno_20
- Track 159 : Fulbright_20
- Track 160 : Glaske_21, CactusJack_21, StressBall_21, Megiddo_21, Gavriela_21, KilKor_21, Phalm_21
- Track 161 : Willsammy_21, Dynamo_21
- Track 162 : Phineas_21
- Track 163 : Cracklewink_27, Bipper_27
- Track 164 : Hilltopfarm_27
- Track 165 : AuntGwenStacy_27, Typha_27

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

The start number called the most often in the published annotations is 28, it was called in 302 of the 463 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• ABU_31, AbsoluteMadLad_30, Acadian_30, Adriana_31, Aelin_30, Ahwei_27, AlanGrant_29, AltPhacts_31, Altwerkus_30, Anderson_31, Andre_31, AngelCake_30, Antihero_27, Antonia_30, Apex_28, Apizium_30, Ashraf_30, Austelle_29, Badfish_31, Bae_29, Banjo_30, Basato_32, BatteryCK_30, Beaglebox_30, Bishoperium_30, BlackStallion_31, BlueHusk_31, Bluephacebaby_30, BobbyK_28, Boehler_31, Brilliant_31, BrownCNA_29, Buckeye_31, Burr_30, CamL_31, CampRoach_31, Cannibal_31, Carthage_29, Caspiboi_32, Chaelin_31, Chah_32, Charles1_31, CharlieGBrown_30, CheetO_31, Cher_30, Childish_30, Chorkpop_31, ChrisnMich_27, Chunky_31, Chute_30, Cobra_31, Colbert_31, Coletti_30, Cooper_28, Cornobble_30, Cosmolli16_30, Craff_31, Crownjwl_31, DaddyDaniels_31, Daffy_31, Daka_31, Dati_31, DelRivs_30, Derpp_30, Dice_30, DigitDog_30, Dingo_31, Dione_30, DirtJuice_31, Doddsville_31, DoesntMatter_31, DonSanchon_30, Donny_30, DuchessDung_29, Duggie_30, Durga_31, EastView9101_29, ElvisPhasley_31, Emiris_31, EmpTee_31, Epah_27, Eremos_31, Etaye_31, Eugenia_31, Fanaw_27, Fang_31, FluffyNinja_31, Fozzie_30, Frankicide_31, Frederick_28, Freya_30, FriarPreacher_31, Fringe_31, FugateOSU_30, Gareth_30, GeneCoco_31, GinPorsche_27, Giraffe_31, Gophee_31, Grand2040_30, Gwennie1_31, Gwilliam_31, Gyarad_0031, HSavage_31, Haimas_31, Haleema_30, Hally898_27, Hamish_31, Hangman_28, Hartsy_31, Harvey_31, Hashim76_34, Heath_27, Held_31, HenryJackson_30, Hertubise_31, Hetaeria_31, HighStump_30, Hocus_30, Horchata_31, Hydro_28, ImtiyazSitla_30, Imvubu_24, Inchworm_31, Inverness_31, Iridessa_31, Iridoclysis_31, IsaacEli_31, JAMaL_28, JDog_30, JacAttac_31, JaguarMi_28, JakeO_30, JangoPhett_31,

Jesabah_31, Jillium_30, Jiminy_30, Jiraiya_31, KLucky39_31, Kahve_30, Kailash_31, KarasumaRum_32, Katniss_31, Keitherie_31, Khan1_31, Kikipoo_31, Kimbrough_31, KingTut_22, KingVeVeVe_31, KlimbOn_31, Kloppinator_31, Knocker_32, Kwadwo_30, Kwksand96_30, Labeouficaum_30, Lambano_27, LasagnaCat_31, Lasso_31, LeeLot_31, Lego3393_31, Legolas_30, LeiMonet_31, LemonSlice_31, Lolalove_28, Longacauda_30, Lopsy_30, LostAndPhound_30, LuckyMarjie_30, Lulumae_30, Lulwa_31, Lumine_30, MRabcd_30, Mag7_30, Magic8_31, Magpie_27, Mana_30, Manad_30, Maru_30, Maskar_30, Matalotodo_31, Mcshane_30, Mecca_30, Megamind20_31, Megatron_31, Melc17_31, MelsMeow_30, Mesh1_31, Mesmerelda_31, MichaelPhcott_30, Mikota_31, MiniBoss_31, MitKao_31, Mithril_28, Morgushi_31, Morty_31, Mosaic_30, MrPhizzler_30, Mudslide_28, Mulan_30, Murdoc_31, Mutante_30, Mysterious_31, Nacho_0031, Nanao_27, Nangang_30, Nathan_32, Nehemiah_29, Newman_31, Nicole21_31, Nigel_26, Numberbert_31, Nyala_30, OSmaximus_31, Olak_30, Oline_30, Olive_31, OliverWalter_31, Omniscient_31, Oosterbaan_31, Orfeu_30, Orion_31, Orwigg_31, PG1_31, Pacifista_30, Phamished_31, Phareon_31, PhatCats2014_31, PhatLouie_31, Phelemich_30, PhenghisKhan_30, Pherdinand_31, Phergie_30, Phipps_31, Phleuron_30, PhrankReynolds_30, PhrodoBaggins_30, Phunky_31, Piglet_0030, PinheadLarry_31, Pinkman_30, Pipsqueak_31, Placalicious_30, Plmatters_31, Podrick_31, Pops_31, Poster_27, Potter_30, Prickles_31, Prince_28, ProfessorX_31, Puhltonio_31, QueenBeane_31, QueenPie_27, Quisquilliae_31, RawrgerThat_28, RedMaple_30, Reprobate_30, Rich_29, Ricotta_30, Riggan_31, Rimu_32, Rita130_30, Robyn_30, Roliet_31, Roscoe_32, Roy17_31, SDcharge11_31, Saguaro_31, Samaymay_31, SassyCat97_30, Schadenfreude_30, Schueller_31, Scoot17C_31, Scrick_31, Selr12_31, Serendipitous_29, Serendipity_31, Serpentine_0031, Sheila_31, Shenyu_30, ShiVal_31, Sigman_31, SilverBell_31, Simielle_30, SirJeffery_30, Skippy_31, Slatt_31, Soile_31, Solosis_30, Sophia_30, Soto_31, Spartan300_31, Squid_31, Squiggle_31, Stinger_26, StinkyVeggy_32, Struggle_30, Suffolk_31, Suigeneris_30, Surely_31, Swiphy_32, Swish_31, TallGrassMM_31, Telesworld_30, Thonko_29, Thora_31, ThreeOh3D2_31, Thunderbird_30, Timmi_30, TomBombadil_31, Tomlarah_31, Toni_30, Tooj_31, True_30, Trypo_31, TyrionL_30, UAch1_31, UncleHowie_31, Usavi_31, Vaishali24_30, Valjean_31, Vaticameos_31, Veritas_30, Vincenzo_29, VioletZ_28, Virapocalypse_31, Virgeve_30, Vista_31, Vivaldi_31, Vortex_31, Waleliano_28, Wallhey_30, Waterdiva_31, Weher20_31, Windsor_30, Xavier_30, Xincheng_27, Yoshand_31, YouGoGlencoco_31, Zaider_32, Zelda_31, Zemanar_29, Zenteno07_34, Zonia_31,

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

- Fortunato_28,

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

- 8UZL_24, Abingghost_31, Akoma_31, Amelie_23, Amgine_25, Amohntion_26, Andies_20, Arissanae_31, Athena_32, Audrey_31, AuntGwenStacy_27, Baloo_31, Bellis_21, Ben11_30, Bernardo_31, Binglebops_23, Bipper_27, BoostSeason_23, BourbonZero_20, Briakila_31, Bryler_26, CRB2_33, CactusJack_21, Cain_26, Casbah_30, ChaChing_31, Chalmers_31, Chancellor_28, Chandler_31, Cheetobro_28, Chentzyk_30, ChipMunk_33, Clautastrophe_21, Compostia_32, Corofin_31, Cracklewink_27, Curiosium_28, Daisy_31, DarthP_26, Dartin_27, Deenasa_31, Devonte_31, DismalFunk_23, DismalStressor_23, DuncansLeg_21, Dynamo_21, Ekdilam_24, Ellie_24, Ellson_21, Enkosi_23, EvilGenius_33, FF47_24, Fefferhead_26, Findley_23, Finnry_21, Fionnbharth_28, Fulbright_20, Gadget_32, Gavriela_21, Gervas_31, Glaske_21, GlenHope_32, Glubnar_31, Halfpint_30,

Hammy_26, HarveySr_31, Heathcliff_31, Hilltopfarm_27, Hurricane_26, Indlovu_28, JF1_28, Jackstina_28, Jobypre_21, Jubie_21, Kamiyu_31, Keshu_26, KilKor_21, KingCyrus_33, Kingsolomon_21, KirDoubleO7_19, Kraw_29, Kronus_30, Krueger_26, Krypton555_21, LastHope_27, LestyG_31, LilPharaoh_23, LiyuLake_21, Lolly9_21, Lumos_21, MacnCheese_27, Maco6_22, MalagasyRose_27, Malthus_29, Marcoliusprime_23, Marley1013_31, McMater_27, Mdavu_23, Megiddo_21, Milly_23, MiniLon_21, MiniMac_21, MissDaisy_28, Mitti_28, MmasiCarm_31, Moostard_21, Mortcellus_30, Morty007_31, MsGreen_21, Muddy_24, Mufasa_23, Neos5_31, Nicholas_21, Nikao_23, Niklas_27, November_26, Nozo_31, Nutello_23, Obutu_31, OmniCritical_28, OrangeOswald_31, Panchino_20, Patt_28, Peanam_27, PenguinLover67_32, Phaedrus_29, Phalm_21, Pharb_26, Phayeta_31, PhelpsODU_26, Philly_30, Phineas_21, Phloss_20, Phlyer_31, Phrank_26, Pipefish_32, Pixie_26, Quesadilla_31, RagingRooster_31, Reptar3000_28, Richo_27, Rita1961_31, RomaT_31, Samty_21, Scitech_20, SgtBeansprout_23, Shadow1_25, Shaobing_27, ShedlockHolmes_26, Shweta_20, SkinnyPete_20, Slarp_28, SlippinJimmy_31, Snenia_21, Squirty_19, StressBall_21, Strobilo_23, Sunflower1121_25, SwainyDoc_31, SynergyX_31, Syra333_26, TBond007_26, TClif_26, TM4_23, Tierra_26, TingHuaYa_27, TinyTerror_31, Torres_23, TriFive_21, TripleTrouble_25, Tydolla_31, Typha_27, Unicorn_26, Validus_27, Vanisoa_30, Whirlwind_22, Willsammy_21, Wintermute_28, Xeno_20, Ximenita_27, Y10_28, Y2_28, Yahalom_31, Yinz_31, Yuna_28, ZoeJ_23,

Summary by start number:

Start 1:

- Found in 16 of 531 (3.0%) of genes in pham
- Manual Annotations of this start: 1 of 463
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Fortunato_28 (B4),

Start 5:

- Found in 9 of 531 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 463
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Squirty_19 (F3),

Start 6:

- Found in 8 of 531 (1.5%) of genes in pham
- Manual Annotations of this start: 7 of 463
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CactusJack_21 (P1), Gavriela_21 (P1), Glaske_21 (P1), KilKor_21 (P1), Megiddo_21 (P1), Phalm_21 (P1), Phineas_21 (P1), StressBall_21 (P1),

Start 7:

- Found in 10 of 531 (1.9%) of genes in pham
- Manual Annotations of this start: 9 of 463
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andies_20 (N), Dynamo_21 (P1), Fulbright_20 (N), Panchino_20 (N), Phloss_20 (N), Scitech_20 (N), Shweta_20 (N), SkinnyPete_20 (N), Willsammy_21 (P1), Xeno_20 (N),

Start 11:

- Found in 23 of 531 (4.3%) of genes in pham
- Manual Annotations of this start: 16 of 463
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bellis_21 (L3), BourbonZero_20 (L3), Clautastrophe_21 (L3), DuncansLeg_21 (L3), Ellson_21 (L3), Finnry_21 (L3), Jobypre_21 (L3), Jubie_21 (L3), Kingsolomon_21 (L3), KirDoubleO7_19 (L3), Krypton555_21 (L3), LiyuLake_21 (L3), Lolly9_21 (L3), Lumos_21 (L3), MiniLon_21 (L3), MiniMac_21 (L3), Moostard_21 (L3), MsGreen_21 (L3), Nicholas_21 (L3), Samty_21 (L3), Snenia_21 (L3), TriFive_21 (L3), Whirlwind_22 (L3),

Start 15:

- Found in 5 of 531 (0.9%) of genes in pham
- Manual Annotations of this start: 4 of 463
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_27 (Y), Bipper_27 (Y), Cracklewink_27 (Y), Hilltopfarm_27 (Y), Typha_27 (Y),

Start 16:

- Found in 77 of 531 (14.5%) of genes in pham
- Manual Annotations of this start: 68 of 463
- Called 97.4% of time when present
- Phage (with cluster) where this start called: Amelie_23 (K1), Amgine_25 (K6), Amohntion_26 (K6), Biglebops_23 (K1), BoostSeason_23 (K2), Bryler_26 (K6), Cain_26 (K6), Chancellor_28 (K4), Cheetobro_28 (K4), ChipMunk_33 (A2), DARTH_26 (K6), Dartin_27 (K1), DismalFunk_23 (K2), DismalStressor_23 (K2), Ekdilam_24 (K6), Ellie_24 (K6), Enkosi_23 (K1), EvilGenius_33 (A2), Fefferhead_26 (K6), Findley_23 (K2), Fionnbharth_28 (K4), Hammy_26 (K6), Hurricane_26 (K3), JF1_28 (K4), Keshu_26 (K3), KingCyrus_33 (A2), Kraw_29 (K4), Krueger_26 (K6), LastHope_27 (K1), LilPharaoh_23 (K1), MacnCheese_27 (K3), Malthus_29 (K4), Marcoliusprime_23 (K2), McMater_27 (K1), Mdavu_23 (K1), Milly_23 (K2), MissDaisy_28 (K4), Mitti_28 (K4), Mufasa_23 (K2), Nikao_23 (K1), Niklas_27 (K1), November_26 (K6), Nutello_23 (K1), OmniCritical_28 (K4), Patt_28 (K4), Peanam_27 (K1), Pharb_26 (K3), PhelpsODU_26 (K6), Phrank_26 (K6), Pixie_26 (K3), Reptar3000_28 (K4), Richo_27 (K1), SgtBeansprout_23 (K1), Shadow1_25 (K6), Shaobing_27 (K1), ShedlockHolmes_26 (K3), Slarp_28 (K4), Strobilo_23 (K2), Sunflower1121_25 (K6), Syra333_26 (K6), TBond007_26 (K3), TClif_26 (K6), TM4_23 (K2), Tierra_26 (K6), TingHuaYa_27 (K1), Torres_23 (K1), TripleTrouble_25 (K3), Unicorn_26 (K6), Validus_27 (K1), Wintermute_28 (K4), Ximenita_27 (K6), Y10_28 (K4), Y2_28 (K4), Yuna_28 (K6), ZoeJ_23 (K2),

Start 17:

- Found in 2 of 531 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 463
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arissanee_31 (A9), Vanisoa_30 (A9),

Start 19:

- Found in 5 of 531 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 463
- Called 80.0% of time when present
- Phage (with cluster) where this start called: 8UZL_24 (AB), FF47_24 (AB), Maco6_22 (AB), Muddy_24 (AB),

Start 25:

- Found in 2 of 531 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 463
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_33 (B9), PenguinLover67_32 (B9),

Start 26:

- Found in 1 of 531 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 463
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlovu_28 (B11),

Start 27:

- Found in 53 of 531 (10.0%) of genes in pham
- Manual Annotations of this start: 45 of 463
- Called 98.1% of time when present
- Phage (with cluster) where this start called: Abinghost_31 (B3), Akoma_31 (B3), Athena_32 (B3), Audrey_31 (B3), Baloo_31 (B3), Ben11_30 (B3), Bernardo_31 (B3), Briakila_31 (B3), Casbah_30 (B3), ChaChing_31 (B3), Chalmers_31 (B3), Chandler_31 (B3), Chentzyk_30 (B3), Compostia_32 (B3), Corofin_31 (B3), Daisy_31 (B3), Deenasa_31 (B3), Devonte_31 (B3), Gadget_32 (B3), Gervas_31 (B3), GlenHope_32 (B3), Glubnar_31 (B3), Halfpint_30 (B3), HarveySr_31 (B3), Heathcliff_31 (B3), Jackstina_28 (B3), Kamiyu_31 (B3), Kronus_30 (B3), LestyG_31 (B3), Marley1013_31 (B3), MmasiCarm_31 (B3), Mortcellus_30 (B3), Morty007_31 (B3), Neos5_31 (B3), Nozo_31 (B3), Obutu_31 (B3), OrangeOswald_31 (B3), Phaedrus_29 (B3), Phayeta_31 (B3), Philly_30 (B3), Phlyer_31 (B3), Pipefish_32 (B3), Quesadilla_31 (B9), RagingRooster_31 (B3), RomaT_31 (B3), SlippinJimmy_31 (B3), SwainyDoc_31 (B3), SynergyX_31 (B3), TinyTerror_31 (B3), Tydolla_31 (B3), Yahalom_31 (B3), Yinz_31 (B3),

Start 28:

- Found in 345 of 531 (65.0%) of genes in pham
- Manual Annotations of this start: 302 of 463
- Called 99.7% of time when present
- Phage (with cluster) where this start called: ABU_31 (B1), AbsoluteMadLad_30 (B1), Acadian_30 (B5), Adriana_31 (B1), Aelin_30 (B1), Ahwei_27 (B4), AlanGrant_29 (B4), AltPhacts_31 (B1), Altwerkus_30 (B1), Anderson_31 (B1), Andre_31 (B1), AngelCake_30 (B1), Antihero_27 (B4), Antonia_30 (B1), Apex_28 (B4), Apizium_30 (B1), Ashraf_30 (B1), Austelle_29 (B4), Badfish_31 (B1), Bae_29 (B5), Banjo_30 (B1), Basato_32 (B1), BatteryCK_30 (B1), Beaglebox_30 (B1), Bishoperium_30 (B1), BlackStallion_31 (B1), BlueHusk_31 (B1), Bluephacebaby_30 (B1), BobbyK_28 (B4), Boehler_31 (B1), Brilliant_31 (B1), BrownCNA_29 (B4), Buckeye_31 (B1), Burr_30 (B1), CamL_31 (B1), CampRoach_31 (B1), Cannibal_31 (B1), Carthage_29 (B1), Caspiboi_32 (B1), Chaelin_31 (B1), Chah_32 (B1), Charles1_31 (B1), CharlieGBrown_30 (B1), CheetO_31 (B1), Cher_30 (B1), Childish_30 (B1), Chorkpop_31 (B1), ChrisnMich_27 (B4), Chunky_31 (B1), Chute_30 (B1), Cobra_31 (B1), Colbert_31 (B1), Coletti_30 (B1), Cooper_28 (B4), Cornobble_30 (B1), Cosmolli16_30 (B1), Craff_31 (B1), Crownjwl_31 (B1), DaddyDaniels_31 (B1), Daffy_31 (B1), Daka_31 (B1), Dati_31 (B1), DelRivs_30 (B1), Derpp_30 (B1), Dice_30 (B1), DigitDog_30 (B5), Dingo_31 (B1), Dione_30 (B1), DirtJuice_31 (B1), Doddsville_31 (B1), DoesntMatter_31 (B1), DonSanchon_30 (B1), Donny_30 (B5), DuchessDung_29 (B1), Duggie_30 (B1), Durga_31 (B1), EastView9101_29 (B5),

ElvisPhasley_31 (B1), Emiris_31 (B1), EmpTee_31 (B1), Epah_27 (B4), Eremos_31 (B1), Etaye_31 (B1), Eugenia_31 (B1), Fanaw_27 (B4), Fang_31 (B1), FluffyNinja_31 (B1), Fozzie_30 (B1), Frankicide_31 (B1), Frederick_28 (B4), Freya_30 (B1), FriarPreacher_31 (B1), Fringe_31 (B1), FugateOSU_30 (B1), Gareth_30 (B1), GeneCoco_31 (B1), GinPorsche_27 (B4), Giraffe_31 (B1), Gophee_31 (B1), Grand2040_30 (B1), Gwennie1_31 (B1), Gwilliam_31 (B1), Gyarad_0031 (B1), HSavage_31 (B1), Haimas_31 (B1), Haleema_30 (B1), Hally898_27 (B4), Hamish_31 (B1), Hangman_28 (B4), Hartsy_31 (B1), Harvey_31 (B1), Hashim76_34 (B13), Heath_27 (B4), Held_31 (B1), HenryJackson_30 (B1), Hertubise_31 (B1), Hetaeria_31 (B1), HighStump_30 (B1), Hocus_30 (B1), Horchata_31 (B1), Hydro_28 (B4), ImtiyazSitla_30 (B1), Imvubu_24 (B10), Inchworm_31 (B1), Inverness_31 (B1), Iridessa_31 (B1), Iridoclysis_31 (B1), IsaacEli_31 (B1), JAMaL_28 (B4), JDog_30 (B1), JacAttac_31 (B1), JaguarMi_28 (B4), JakeO_30 (B1), JangoPhett_31 (B1), Jesabah_31 (B1), Jillium_30 (B1), Jiminy_30 (B1), Jiraiya_31 (B1), KLUcky39_31 (B1), Kahve_30 (B1), Kailash_31 (B1), KarasumaRum_32 (B5), Katniss_31 (B1), Keitherie_31 (B1), Khan1_31 (B1), Kikipoo_31 (B1), Kimbrough_31 (B1), KingTut_22 (B1), KingVeVeVe_31 (B1), KlimbOn_31 (B1), Kloppinator_31 (B1), Knocker_32 (B9), Kwadwo_30 (B1), Kwksand96_30 (B1), Labeouficaum_30 (B1), Lambano_27 (B4), LasagnaCat_31 (B1), Lasso_31 (B1), LeeLot_31 (B1), Lego3393_31 (B1), Legolas_30 (B1), LeiMonet_31 (B1), LemonSlice_31 (B1), Lolalove_28 (B4), Longacauda_30 (B1), Lopsy_30 (B1), LostAndPhound_30 (B1), LuckyMarjie_30 (B1), Lulumae_30 (B1), Lulwa_31 (B1), Lumine_30 (B1), MRabcd_30 (B1), Mag7_30 (B1), Magic8_31 (B1), Magpie_27 (B4), Mana_30 (B1), Manad_30 (B1), Maru_30 (B1), Maskar_30 (B1), Matalotodo_31 (B1), Mcshane_30 (B1), Mecca_30 (B1), Megamind20_31 (B1), Megatron_31 (B1), Melc17_31 (B1), MelsMeow_30 (B1), Mesh1_31 (B1), Mesmerelda_31 (B1), MichaelPhcott_30 (B1), Mikota_31 (B1), MiniBoss_31 (B1), MitKao_31 (B1), Mithril_28 (B4), Morgushi_31 (B1), Morty_31 (B1), Mosaic_30 (B1), MrPhizzler_30 (B1), Mudslide_28 (B4), Mulan_30 (B1), Murdoc_31 (B1), Mutante_30 (B1), Mysterious_31 (B5), Nacho_0031 (B1), Nanao_27 (B4), Nangang_30 (B5), Nathan_32 (B1), Nehemiah_29 (B5), Newman_31 (B1), Nicole21_31 (B1), Nigel_26 (B4), Numberten_31 (B1), Nyala_30 (B1), OSmaximus_31 (B1), Olak_30 (B1), Oline_30 (B1), Olive_31 (B1), OliverWalter_31 (B1), Omniscient_31 (B1), Oosterbaan_31 (B1), Orfeu_30 (B1), Orion_31 (B1), Orwigg_31 (B1), PG1_31 (B1), Pacifista_30 (B1), Phamished_31 (B1), Phareon_31 (B1), PhatCats2014_31 (B1), PhatLouie_31 (B1), Phelemich_30 (B5), PhenghisKhan_30 (B1), Pherdinand_31 (B1), Phergie_30 (B1), Phipps_31 (B1), Phleuron_30 (B1), PhrankReynolds_30 (B1), PhrodoBaggins_30 (B1), Phunky_31 (B1), Piglet_0030 (B1), PinheadLarry_31 (B1), Pinkman_30 (B1), Pipsqueak_31 (B1), Placalicious_30 (B1), Plmatters_31 (B1), Podrick_31 (B1), Pops_31 (B1), Poster_27 (B4), Potter_30 (B1), Prickles_31 (B1), Prince_28 (B4), ProfessorX_31 (B1), Puhltonio_31 (B1), QueenBeane_31 (B1), QueenPie_27 (B4), Quisquiliae_31 (B1), RawrgerThat_28 (B4), RedMaple_30 (B1), Reprobate_30 (B5), Rich_29 (B5), Ricotta_30 (B1), Riggan_31 (B1), Rimu_32 (B1), Rita130_30 (B5), Robyn_30 (B1), Roliet_31 (B1), Roscoe_32 (B1), Roy17_31 (B1), SDcharge11_31 (B1), Saguaro_31 (B7), Samaymay_31 (B1), SassyCat97_30 (B1), Schadenfreude_30 (B1), Schueller_31 (B1), Scoot17C_31 (B1), Scrick_31 (B1), Selr12_31 (B1), Serendipitous_29 (B5), Serendipity_31 (B1), Serpentine_0031 (B1), Sheila_31 (B1), Shenyu_30 (B5), ShiVal_31 (B1), Sigman_31 (B1), SilverBell_31 (B1), Simielle_30 (B1), SirJeffery_30 (B5), Skippy_31 (B1), Slatt_31 (B1), Soile_31 (B1), Solosis_30 (B1), Sophia_30 (B1), Soto_31 (B1), Spartan300_31 (B1), Squid_31 (B1), Squiggle_31 (B1), Stinger_26 (B4), StinkyVeggy_32 (B5), Struggle_30 (B1), Suffolk_31 (B1), Suigeneris_30 (B5), Surely_31 (B1), Swiphy_32 (B1), Swish_31 (B1), TallGrassMM_31 (B1), Telesworld_30 (B1), Thonko_29 (B8), Thora_31 (B1),

ThreeOh3D2_31 (B1), Thunderbird_30 (B1), Timmi_30 (B1), TomBombadil_31 (B1), Tomlarah_31 (B1), Toni_30 (B1), Tooj_31 (B1), True_30 (B1), Trypo_31 (B1), TyrionL_30 (B1), UAch1_31 (B1), UncleHowie_31 (B1), Usavi_31 (B1), Vaishali24_30 (B1), Valjean_31 (B1), Vaticameos_31 (B1), Veritas_30 (B1), Vincenzo_29 (B4), VioletZ_28 (B4), Virapocalypse_31 (B1), Virgeve_30 (B1), Vista_31 (B1), Vivaldi_31 (B1), Vortex_31 (B1), Waleliano_28 (B4), Wallhey_30 (B1), Waterdiva_31 (B1), Weher20_31 (B1), Windsor_30 (B1), Xavier_30 (B1), Xincheng_27 (B4), Yoshand_31 (B1), YouGoGlencoco_31 (B1), Zaider_32 (B1), Zelda_31 (B1), Zemanar_29 (B4), Zenteno07_34 (B13), Zonia_31 (B1),

Start 31:

- Found in 82 of 531 (15.4%) of genes in pham
- Manual Annotations of this start: 1 of 463
- Called 1.2% of time when present
- Phage (with cluster) where this start called: Rita1961_31 (B3),

Start 39:

- Found in 10 of 531 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 463
- Called 10.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_27 (AG),

Start 45:

- Found in 15 of 531 (2.8%) of genes in pham
- Manual Annotations of this start: 1 of 463
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Curiosium_28 (K1),

Summary by clusters:

There are 24 clusters represented in this pham: B11, K3, K2, K1, AB, B13, B10, K4, A2, A9, P1, AG, N, L3, Y, F3, B4, B5, B7, B1, B3, B8, B9, K6,

Info for manual annotations of cluster A2:

- Start number 16 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A9:

- Start number 17 was manually annotated 2 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 19 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 39 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster B1:

- Start number 28 was manually annotated 263 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 28 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 26 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B13:

- Start number 28 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B3:

- Start number 27 was manually annotated 44 times for cluster B3.
- Start number 31 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:

- Start number 1 was manually annotated 1 time for cluster B4.
- Start number 28 was manually annotated 24 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 28 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B7:

- Start number 28 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 28 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 25 was manually annotated 2 times for cluster B9.
- Start number 27 was manually annotated 1 time for cluster B9.
- Start number 28 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster F3:

- Start number 5 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster K1:

- Start number 16 was manually annotated 13 times for cluster K1.
- Start number 45 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K2:

- Start number 16 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 16 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 16 was manually annotated 14 times for cluster K4.

Info for manual annotations of cluster K6:

- Start number 16 was manually annotated 20 times for cluster K6.

Info for manual annotations of cluster L3:

- Start number 11 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster N:

- Start number 7 was manually annotated 7 times for cluster N.

Info for manual annotations of cluster P1:

- Start number 6 was manually annotated 7 times for cluster P1.

- Start number 7 was manually annotated 2 times for cluster P1.

Info for manual annotations of cluster Y:

- Start number 15 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: 8UZL_24 Start: 19399, Stop: 21717, Start Num: 19

Candidate Starts for 8UZL_24:

(Start: 19 @19399 has 2 MA's), (72, 19600), (82, 19645), (85, 19657), (121, 19768), (142, 19834), (174, 19975), (199, 20107), (210, 20146), (214, 20158), (226, 20197), (232, 20215), (240, 20251), (255, 20311), (275, 20386), (280, 20413), (292, 20476), (309, 20533), (379, 20728), (400, 20797), (408, 20815), (410, 20821), (411, 20824), (412, 20827), (419, 20851), (443, 20944), (446, 20950), (467, 21028), (486, 21076), (487, 21079), (504, 21157), (523, 21223), (526, 21235), (549, 21298), (554, 21319), (559, 21340), (574, 21397), (578, 21418), (593, 21457), (612, 21499), (628, 21532), (633, 21538), (635, 21553), (663, 21637),

Gene: ABU_31 Start: 28756, Stop: 31011, Start Num: 28

Candidate Starts for ABU_31:

(Start: 28 @28756 has 302 MA's), (50, 28852), (70, 28930), (73, 28957), (106, 29056), (141, 29215), (182, 29395), (187, 29419), (205, 29509), (207, 29515), (217, 29551), (230, 29590), (234, 29599), (240, 29632), (248, 29671), (260, 29716), (275, 29767), (284, 29818), (285, 29827), (300, 29896), (322, 29971), (340, 30016), (344, 30031), (379, 30166), (393, 30220), (398, 30241), (413, 30274), (425, 30319), (439, 30373), (466, 30457), (472, 30478), (486, 30520), (494, 30559), (509, 30619), (577, 30859), (587, 30892), (588, 30895), (605, 30928), (608, 30934), (635, 30997),

Gene: Abinghost_31 Start: 28613, Stop: 30838, Start Num: 27

Candidate Starts for Abinghost_31:

(Start: 27 @28613 has 45 MA's), (Start: 31 @28628 has 1 MA's), (40, 28673), (55, 28730), (74, 28808), (96, 28877), (106, 28889), (112, 28931), (121, 28967), (130, 28994), (133, 29006), (139, 29033), (159, 29123), (175, 29195), (194, 29279), (220, 29387), (226, 29408), (248, 29501), (253, 29516), (283, 29645), (300, 29726), (322, 29801), (337, 29843), (340, 29849), (363, 29948), (379, 29999), (383, 30011), (393, 30053), (398, 30074), (418, 30128), (425, 30152), (435, 30188), (466, 30284), (468, 30293), (486, 30347), (511, 30455), (521, 30482), (533, 30524), (557, 30596), (577, 30686), (588, 30722),

Gene: AbsoluteMadLad_30 Start: 28765, Stop: 31020, Start Num: 28

Candidate Starts for AbsoluteMadLad_30:

(Start: 28 @28765 has 302 MA's), (50, 28861), (70, 28939), (73, 28966), (106, 29065), (141, 29224), (182, 29404), (187, 29428), (207, 29524), (217, 29560), (230, 29599), (234, 29608), (240, 29641), (248, 29680), (260, 29725), (275, 29776), (284, 29827), (285, 29836), (300, 29905), (322, 29980), (340, 30025), (344, 30040), (379, 30175), (393, 30229), (398, 30250), (413, 30283), (425, 30328), (439, 30382), (466, 30466), (472, 30487), (486, 30529), (494, 30568), (509, 30628), (577, 30868), (587, 30901), (588, 30904), (605, 30937), (608, 30943), (635, 31006),

Gene: Acadian_30 Start: 28978, Stop: 31254, Start Num: 28

Candidate Starts for Acadian_30:

(Start: 28 @28978 has 302 MA's), (29, 28984), (36, 29026), (42, 29047), (Start: 45 @29056 has 1 MA's), (60, 29110), (65, 29131), (69, 29149), (70, 29152), (76, 29194), (79, 29200), (83, 29212), (106, 29281), (109, 29317), (141, 29440), (167, 29545), (197, 29701), (202, 29728), (213, 29779), (230, 29830), (236, 29845), (284, 30058), (289, 30094), (300, 30136), (322, 30211), (363, 30361), (370,

30385), (379, 30412), (398, 30487), (418, 30541), (466, 30700), (468, 30709), (472, 30721), (494, 30802), (495, 30805), (511, 30871), (527, 30919), (549, 30985), (577, 31102),

Gene: Adriana_31 Start: 28754, Stop: 31009, Start Num: 28

Candidate Starts for Adriana_31:

(Start: 28 @28754 has 302 MA's), (50, 28850), (70, 28928), (73, 28955), (106, 29054), (141, 29213), (182, 29393), (187, 29417), (205, 29507), (207, 29513), (217, 29549), (230, 29588), (234, 29597), (240, 29630), (248, 29669), (260, 29714), (275, 29765), (284, 29816), (285, 29825), (300, 29894), (322, 29969), (340, 30014), (344, 30029), (379, 30164), (393, 30218), (398, 30239), (413, 30272), (425, 30317), (439, 30371), (448, 30398), (466, 30455), (472, 30476), (486, 30518), (494, 30557), (509, 30617), (577, 30857), (587, 30890), (588, 30893), (605, 30926), (608, 30932), (635, 30995),

Gene: Aelin_30 Start: 28317, Stop: 30575, Start Num: 28

Candidate Starts for Aelin_30:

(Start: 28 @28317 has 302 MA's), (50, 28413), (70, 28491), (73, 28518), (106, 28620), (141, 28779), (182, 28959), (187, 28983), (207, 29079), (217, 29115), (230, 29154), (234, 29163), (240, 29196), (248, 29235), (260, 29280), (275, 29331), (284, 29382), (285, 29391), (300, 29460), (322, 29535), (340, 29580), (344, 29595), (379, 29730), (393, 29784), (398, 29805), (413, 29838), (425, 29883), (439, 29937), (448, 29964), (466, 30021), (472, 30042), (486, 30084), (494, 30123), (509, 30183), (577, 30423), (588, 30459), (605, 30492), (635, 30561),

Gene: Ahwei_27 Start: 27941, Stop: 30238, Start Num: 28

Candidate Starts for Ahwei_27:

(Start: 28 @27941 has 302 MA's), (50, 28040), (73, 28145), (83, 28181), (106, 28244), (120, 28325), (138, 28391), (141, 28403), (167, 28508), (174, 28547), (185, 28598), (187, 28607), (201, 28688), (202, 28691), (217, 28754), (231, 28796), (236, 28808), (261, 28931), (269, 28955), (283, 29018), (288, 29048), (289, 29057), (310, 29129), (315, 29150), (322, 29186), (328, 29207), (351, 29273), (356, 29285), (363, 29336), (364, 29339), (369, 29357), (376, 29381), (384, 29408), (393, 29441), (398, 29462), (413, 29495), (425, 29540), (467, 29681), (468, 29684), (472, 29696), (495, 29780), (533, 29915), (540, 29939), (558, 30002), (564, 30032), (567, 30038), (577, 30086), (587, 30119), (588, 30122), (635, 30224), (636, 30227),

Gene: Akoma_31 Start: 28614, Stop: 30842, Start Num: 27

Candidate Starts for Akoma_31:

(Start: 27 @28614 has 45 MA's), (Start: 31 @28629 has 1 MA's), (40, 28674), (55, 28731), (74, 28809), (96, 28878), (106, 28890), (112, 28932), (121, 28968), (130, 28995), (133, 29007), (139, 29034), (159, 29124), (175, 29196), (194, 29280), (220, 29388), (226, 29409), (248, 29502), (253, 29517), (283, 29646), (300, 29727), (322, 29802), (337, 29844), (340, 29850), (351, 29886), (379, 30000), (383, 30012), (393, 30054), (398, 30075), (418, 30129), (425, 30153), (466, 30288), (468, 30297), (486, 30351), (511, 30459), (521, 30486), (533, 30528), (557, 30600), (577, 30690), (588, 30726),

Gene: AlanGrant_29 Start: 29686, Stop: 31983, Start Num: 28

Candidate Starts for AlanGrant_29:

(Start: 28 @29686 has 302 MA's), (Start: 31 @29701 has 1 MA's), (50, 29785), (55, 29803), (69, 29860), (106, 29989), (167, 30253), (174, 30292), (175, 30298), (182, 30328), (185, 30343), (187, 30352), (201, 30433), (202, 30436), (229, 30535), (230, 30538), (231, 30541), (236, 30553), (261, 30676), (269, 30700), (283, 30763), (289, 30802), (310, 30874), (315, 30895), (318, 30916), (322, 30931), (328, 30952), (340, 30982), (350, 31015), (351, 31018), (356, 31030), (363, 31081), (364, 31084), (369, 31102), (376, 31126), (379, 31132), (393, 31186), (398, 31207), (418, 31261), (425, 31285), (466, 31420), (467, 31426), (468, 31429), (472, 31441), (495, 31525), (533, 31660), (540, 31684), (558, 31747), (567, 31783), (575, 31816), (577, 31831), (587, 31864), (588, 31867), (635, 31969), (636, 31972),

Gene: AltPhacts_31 Start: 28743, Stop: 30998, Start Num: 28

Candidate Starts for AltPhacts_31:

(Start: 28 @28743 has 302 MA's), (50, 28839), (70, 28917), (73, 28944), (106, 29043), (141, 29202), (182, 29382), (187, 29406), (207, 29502), (217, 29538), (230, 29577), (234, 29586), (240, 29619), (248, 29658), (260, 29703), (275, 29754), (284, 29805), (285, 29814), (300, 29883), (322, 29958), (340, 30003), (344, 30018), (379, 30153), (393, 30207), (398, 30228), (413, 30261), (425, 30306), (439, 30360), (448, 30387), (466, 30444), (472, 30465), (486, 30507), (494, 30546), (509, 30606), (577, 30846), (588, 30882), (605, 30915), (635, 30984),

Gene: Altwerkus_30 Start: 28443, Stop: 30698, Start Num: 28

Candidate Starts for Altwerkus_30:

(Start: 28 @28443 has 302 MA's), (50, 28539), (70, 28617), (73, 28644), (106, 28743), (141, 28902), (182, 29082), (187, 29106), (205, 29196), (207, 29202), (217, 29238), (230, 29277), (234, 29286), (240, 29319), (248, 29358), (260, 29403), (275, 29454), (284, 29505), (285, 29514), (300, 29583), (322, 29658), (340, 29703), (344, 29718), (379, 29853), (393, 29907), (398, 29928), (413, 29961), (425, 30006), (439, 30060), (448, 30087), (466, 30144), (472, 30165), (486, 30207), (494, 30246), (509, 30306), (577, 30546), (588, 30582), (605, 30615), (635, 30684),

Gene: Amelie_23 Start: 20414, Stop: 22900, Start Num: 16

Candidate Starts for Amelie_23:

(Start: 16 @20414 has 68 MA's), (Start: 31 @20462 has 1 MA's), (77, 20642), (78, 20645), (119, 20708), (121, 20720), (152, 20852), (163, 20891), (175, 20948), (180, 20972), (183, 20984), (194, 21032), (195, 21035), (203, 21068), (211, 21107), (222, 21140), (226, 21152), (229, 21161), (231, 21167), (245, 21233), (249, 21248), (276, 21359), (281, 21392), (297, 21476), (303, 21491), (318, 21551), (338, 21620), (361, 21740), (385, 21833), (417, 21947), (438, 22025), (439, 22031), (445, 22055), (458, 22118), (459, 22121), (462, 22133), (483, 22199), (484, 22205), (493, 22247), (497, 22268), (501, 22277), (506, 22310), (510, 22328), (530, 22397), (560, 22496), (562, 22502), (566, 22520), (578, 22574), (583, 22589), (595, 22616), (624, 22673),

Gene: Amgine_25 Start: 20975, Stop: 23359, Start Num: 16

Candidate Starts for Amgine_25:

(Start: 16 @20975 has 68 MA's), (24, 21005), (Start: 31 @21023 has 1 MA's), (52, 21107), (121, 21281), (152, 21413), (174, 21503), (183, 21545), (195, 21596), (207, 21638), (208, 21641), (222, 21698), (229, 21722), (231, 21728), (240, 21767), (253, 21824), (276, 21920), (297, 22037), (319, 22106), (329, 22145), (334, 22163), (339, 22175), (379, 22319), (419, 22454), (420, 22457), (421, 22460), (432, 22499), (445, 22553), (483, 22694), (484, 22700), (489, 22715), (490, 22727), (497, 22757), (516, 22844), (520, 22850), (565, 23000), (581, 23063), (591, 23090), (595, 23099), (646, 23201), (653, 23222), (654, 23225), (685, 23333),

Gene: Amohnition_26 Start: 21373, Stop: 23781, Start Num: 16

Candidate Starts for Amohnition_26:

(Start: 16 @21373 has 68 MA's), (18, 21382), (Start: 31 @21421 has 1 MA's), (63, 21544), (77, 21601), (80, 21613), (121, 21679), (125, 21688), (137, 21733), (152, 21811), (174, 21901), (175, 21907), (183, 21943), (195, 21994), (207, 22036), (208, 22039), (210, 22060), (229, 22120), (231, 22126), (276, 22318), (297, 22435), (319, 22504), (329, 22543), (334, 22561), (339, 22573), (379, 22717), (419, 22852), (421, 22858), (432, 22897), (445, 22951), (456, 23005), (483, 23092), (484, 23098), (489, 23113), (490, 23125), (497, 23155), (516, 23242), (520, 23248), (565, 23398), (578, 23452), (649, 23611), (653, 23626), (654, 23629), (685, 23755),

Gene: Anderson_31 Start: 28749, Stop: 31004, Start Num: 28

Candidate Starts for Anderson_31:

(Start: 28 @28749 has 302 MA's), (50, 28845), (70, 28923), (73, 28950), (106, 29049), (141, 29208), (182, 29388), (187, 29412), (205, 29502), (207, 29508), (217, 29544), (230, 29583), (234, 29592),

(240, 29625), (248, 29664), (260, 29709), (275, 29760), (284, 29811), (285, 29820), (300, 29889), (322, 29964), (340, 30009), (344, 30024), (379, 30159), (393, 30213), (398, 30234), (413, 30267), (425, 30312), (439, 30366), (448, 30393), (466, 30450), (472, 30471), (486, 30513), (494, 30552), (509, 30612), (577, 30852), (587, 30885), (588, 30888), (605, 30921), (608, 30927), (635, 30990),

Gene: Andies_20 Start: 17553, Stop: 20192, Start Num: 7

Candidate Starts for Andies_20:

(Start: 5 @17541 has 1 MA's), (Start: 7 @17553 has 9 MA's), (10, 17565), (12, 17577), (21, 17631), (Start: 39 @17700 has 1 MA's), (40, 17703), (41, 17712), (46, 17727), (91, 17904), (114, 17985), (116, 17994), (133, 18051), (136, 18066), (147, 18117), (164, 18189), (171, 18219), (178, 18255), (190, 18318), (195, 18333), (200, 18360), (202, 18366), (222, 18441), (229, 18465), (231, 18471), (242, 18525), (243, 18531), (263, 18618), (289, 18750), (293, 18768), (305, 18801), (310, 18828), (320, 18879), (365, 19089), (384, 19155), (396, 19191), (421, 19290), (423, 19302), (439, 19365), (484, 19527), (489, 19542), (501, 19593), (530, 19710), (542, 19755), (558, 19797), (566, 19833), (579, 19887), (604, 19935), (660, 20079), (676, 20136), (684, 20175), (687, 20184),

Gene: Andre_31 Start: 28747, Stop: 31002, Start Num: 28

Candidate Starts for Andre_31:

(Start: 28 @28747 has 302 MA's), (50, 28843), (70, 28921), (73, 28948), (106, 29047), (141, 29206), (182, 29386), (187, 29410), (205, 29500), (207, 29506), (217, 29542), (230, 29581), (234, 29590), (240, 29623), (248, 29662), (260, 29707), (275, 29758), (284, 29809), (285, 29818), (300, 29887), (322, 29962), (340, 30007), (344, 30022), (379, 30157), (393, 30211), (398, 30232), (413, 30265), (425, 30310), (439, 30364), (448, 30391), (466, 30448), (472, 30469), (486, 30511), (494, 30550), (509, 30610), (577, 30850), (587, 30883), (588, 30886), (605, 30919), (608, 30925), (635, 30988),

Gene: AngelCake_30 Start: 28767, Stop: 31022, Start Num: 28

Candidate Starts for AngelCake_30:

(Start: 28 @28767 has 302 MA's), (50, 28863), (70, 28941), (73, 28968), (106, 29067), (141, 29226), (182, 29406), (187, 29430), (205, 29520), (207, 29526), (217, 29562), (230, 29601), (234, 29610), (240, 29643), (248, 29682), (260, 29727), (275, 29778), (284, 29829), (285, 29838), (300, 29907), (322, 29982), (340, 30027), (344, 30042), (379, 30177), (393, 30231), (398, 30252), (413, 30285), (425, 30330), (439, 30384), (448, 30411), (466, 30468), (472, 30489), (486, 30531), (494, 30570), (509, 30630), (577, 30870), (587, 30903), (588, 30906), (605, 30939), (608, 30945), (635, 31008),

Gene: Antihero_27 Start: 27941, Stop: 30238, Start Num: 28

Candidate Starts for Antihero_27:

(Start: 28 @27941 has 302 MA's), (50, 28040), (73, 28145), (83, 28181), (106, 28244), (120, 28325), (138, 28391), (141, 28403), (167, 28508), (174, 28547), (185, 28598), (187, 28607), (201, 28688), (202, 28691), (217, 28754), (231, 28796), (236, 28808), (261, 28931), (269, 28955), (283, 29018), (288, 29048), (289, 29057), (310, 29129), (315, 29150), (322, 29186), (328, 29207), (351, 29273), (356, 29285), (363, 29336), (364, 29339), (369, 29357), (376, 29381), (384, 29408), (393, 29441), (398, 29462), (413, 29495), (425, 29540), (467, 29681), (468, 29684), (472, 29696), (495, 29780), (533, 29915), (540, 29939), (558, 30002), (564, 30032), (567, 30038), (577, 30086), (587, 30119), (588, 30122), (635, 30224), (636, 30227),

Gene: Antonia_30 Start: 28317, Stop: 30575, Start Num: 28

Candidate Starts for Antonia_30:

(Start: 28 @28317 has 302 MA's), (50, 28413), (70, 28491), (73, 28518), (106, 28620), (141, 28779), (182, 28959), (187, 28983), (207, 29079), (217, 29115), (230, 29154), (234, 29163), (240, 29196), (248, 29235), (260, 29280), (275, 29331), (284, 29382), (285, 29391), (300, 29460), (322, 29535), (340, 29580), (344, 29595), (379, 29730), (393, 29784), (398, 29805), (413, 29838), (425, 29883), (439, 29937), (448, 29964), (466, 30021), (472, 30042), (486, 30084), (494, 30123), (509, 30183), (577, 30423), (588, 30459), (605, 30492), (635, 30561),

Gene: Apex_28 Start: 29148, Stop: 31445, Start Num: 28

Candidate Starts for Apex_28:

(Start: 1 @28461 has 1 MA's), (2, 28608), (Start: 28 @29148 has 302 MA's), (50, 29247), (55, 29265), (83, 29388), (106, 29451), (120, 29532), (138, 29598), (167, 29715), (174, 29754), (185, 29805), (187, 29814), (197, 29871), (201, 29895), (202, 29898), (217, 29961), (231, 30003), (236, 30015), (260, 30126), (261, 30138), (269, 30162), (283, 30225), (310, 30336), (315, 30357), (322, 30393), (328, 30414), (351, 30480), (356, 30492), (363, 30543), (364, 30546), (369, 30564), (376, 30588), (384, 30615), (393, 30648), (398, 30669), (413, 30702), (425, 30747), (467, 30888), (468, 30891), (469, 30894), (472, 30903), (495, 30987), (527, 31101), (533, 31122), (540, 31146), (558, 31209), (564, 31239), (567, 31245), (577, 31293), (587, 31326), (588, 31329), (635, 31431), (636, 31434),

Gene: Apizium_30 Start: 28508, Stop: 30766, Start Num: 28

Candidate Starts for Apizium_30:

(Start: 28 @28508 has 302 MA's), (50, 28604), (70, 28682), (73, 28709), (106, 28811), (141, 28970), (182, 29150), (187, 29174), (205, 29264), (207, 29270), (217, 29306), (230, 29345), (234, 29354), (240, 29387), (248, 29426), (260, 29471), (275, 29522), (284, 29573), (285, 29582), (300, 29651), (322, 29726), (340, 29771), (344, 29786), (379, 29921), (393, 29975), (398, 29996), (413, 30029), (425, 30074), (439, 30128), (448, 30155), (466, 30212), (472, 30233), (486, 30275), (494, 30314), (509, 30374), (577, 30614), (587, 30647), (588, 30650), (605, 30683), (608, 30689), (635, 30752),

Gene: Arissanae_31 Start: 22459, Stop: 24807, Start Num: 17

Candidate Starts for Arissanae_31:

(Start: 16 @22453 has 68 MA's), (Start: 17 @22459 has 2 MA's), (44, 22558), (54, 22591), (72, 22666), (93, 22726), (131, 22816), (154, 22918), (161, 22945), (169, 22981), (184, 23050), (233, 23266), (241, 23308), (264, 23398), (274, 23425), (311, 23572), (316, 23590), (349, 23674), (353, 23683), (355, 23689), (400, 23869), (421, 23929), (433, 23977), (436, 23989), (487, 24169), (490, 24187), (501, 24226), (505, 24256), (519, 24301), (530, 24337), (531, 24340), (552, 24403), (593, 24547), (623, 24613), (663, 24727), (679, 24772), (682, 24784),

Gene: Ashraf_30 Start: 28315, Stop: 30570, Start Num: 28

Candidate Starts for Ashraf_30:

(Start: 28 @28315 has 302 MA's), (50, 28411), (70, 28489), (73, 28516), (106, 28615), (141, 28774), (182, 28954), (187, 28978), (207, 29074), (217, 29110), (230, 29149), (234, 29158), (240, 29191), (248, 29230), (260, 29275), (275, 29326), (284, 29377), (285, 29386), (300, 29455), (322, 29530), (340, 29575), (344, 29590), (379, 29725), (393, 29779), (398, 29800), (413, 29833), (425, 29878), (439, 29932), (448, 29959), (466, 30016), (472, 30037), (486, 30079), (494, 30118), (509, 30178), (577, 30418), (588, 30454), (605, 30487), (635, 30556),

Gene: Athena_32 Start: 29364, Stop: 31589, Start Num: 27

Candidate Starts for Athena_32:

(Start: 27 @29364 has 45 MA's), (Start: 31 @29379 has 1 MA's), (40, 29424), (55, 29481), (74, 29559), (96, 29628), (106, 29640), (112, 29682), (121, 29718), (130, 29745), (133, 29757), (139, 29784), (159, 29874), (175, 29946), (194, 30030), (220, 30138), (226, 30159), (248, 30252), (253, 30267), (283, 30396), (300, 30477), (322, 30552), (337, 30594), (340, 30600), (363, 30699), (379, 30750), (383, 30762), (393, 30804), (398, 30825), (418, 30879), (425, 30903), (435, 30939), (466, 31035), (468, 31044), (486, 31098), (511, 31206), (521, 31233), (533, 31275), (557, 31347), (577, 31437), (588, 31473),

Gene: Audrey_31 Start: 28613, Stop: 30838, Start Num: 27

Candidate Starts for Audrey_31:

(Start: 27 @28613 has 45 MA's), (Start: 31 @28628 has 1 MA's), (40, 28673), (55, 28730), (74, 28808), (96, 28877), (106, 28889), (112, 28931), (121, 28967), (130, 28994), (133, 29006), (139, 29033), (159,

29123), (175, 29195), (194, 29279), (220, 29387), (226, 29408), (248, 29501), (253, 29516), (283, 29645), (300, 29726), (322, 29801), (340, 29849), (363, 29948), (379, 29999), (383, 30011), (393, 30053), (398, 30074), (418, 30128), (425, 30152), (435, 30188), (466, 30284), (468, 30293), (486, 30347), (511, 30455), (521, 30482), (533, 30524), (557, 30596), (577, 30686), (588, 30722),

Gene: AuntGwenStacy_27 Start: 23429, Stop: 26023, Start Num: 15

Candidate Starts for AuntGwenStacy_27:

(Start: 15 @23429 has 4 MA's), (23, 23468), (41, 23543), (68, 23645), (71, 23654), (89, 23732), (114, 23813), (116, 23822), (130, 23867), (131, 23870), (133, 23879), (135, 23891), (136, 23894), (142, 23918), (147, 23945), (148, 23954), (164, 24017), (178, 24083), (186, 24119), (187, 24122), (202, 24194), (204, 24200), (222, 24269), (242, 24353), (261, 24434), (265, 24455), (305, 24629), (310, 24656), (320, 24707), (331, 24752), (345, 24803), (348, 24812), (360, 24890), (392, 25013), (394, 25016), (396, 25019), (423, 25130), (439, 25193), (453, 25241), (478, 25328), (484, 25355), (487, 25364), (489, 25370), (501, 25421), (530, 25538), (531, 25541), (558, 25625), (566, 25661), (574, 25691), (579, 25715), (604, 25766), (605, 25772), (607, 25778), (653, 25880), (661, 25916), (684, 26006), (687, 26015),

Gene: Austelle_29 Start: 29604, Stop: 31901, Start Num: 28

Candidate Starts for Austelle_29:

(Start: 1 @28917 has 1 MA's), (2, 29064), (Start: 28 @29604 has 302 MA's), (50, 29703), (55, 29721), (83, 29844), (106, 29907), (120, 29988), (138, 30054), (167, 30171), (174, 30210), (185, 30261), (187, 30270), (197, 30327), (201, 30351), (202, 30354), (217, 30417), (231, 30459), (236, 30471), (261, 30594), (269, 30618), (283, 30681), (289, 30720), (310, 30792), (315, 30813), (322, 30849), (328, 30870), (351, 30936), (356, 30948), (363, 30999), (364, 31002), (369, 31020), (376, 31044), (384, 31071), (393, 31104), (398, 31125), (413, 31158), (425, 31203), (467, 31344), (468, 31347), (472, 31359), (495, 31443), (533, 31578), (540, 31602), (558, 31665), (564, 31695), (567, 31701), (577, 31749), (587, 31782), (588, 31785), (635, 31887), (636, 31890),

Gene: Badfish_31 Start: 28778, Stop: 31033, Start Num: 28

Candidate Starts for Badfish_31:

(Start: 28 @28778 has 302 MA's), (50, 28874), (70, 28952), (73, 28979), (106, 29078), (141, 29237), (182, 29417), (187, 29441), (205, 29531), (207, 29537), (217, 29573), (230, 29612), (234, 29621), (240, 29654), (248, 29693), (260, 29738), (275, 29789), (284, 29840), (285, 29849), (300, 29918), (322, 29993), (340, 30038), (344, 30053), (379, 30188), (393, 30242), (398, 30263), (413, 30296), (425, 30341), (439, 30395), (466, 30479), (472, 30500), (486, 30542), (494, 30581), (509, 30641), (577, 30881), (587, 30914), (588, 30917), (605, 30950), (608, 30956), (635, 31019),

Gene: Bae_29 Start: 28752, Stop: 31019, Start Num: 28

Candidate Starts for Bae_29:

(Start: 28 @28752 has 302 MA's), (29, 28758), (40, 28809), (Start: 45 @28830 has 1 MA's), (60, 28884), (62, 28896), (65, 28905), (69, 28923), (83, 28986), (167, 29319), (188, 29421), (197, 29475), (230, 29595), (236, 29610), (240, 29637), (284, 29823), (289, 29859), (300, 29901), (340, 30027), (363, 30126), (379, 30177), (418, 30306), (425, 30330), (466, 30465), (486, 30528), (494, 30567), (495, 30570), (511, 30636), (522, 30666), (527, 30684), (549, 30750), (557, 30777), (577, 30867), (605, 30936), (635, 31005), (636, 31008),

Gene: Baloo_31 Start: 28616, Stop: 30841, Start Num: 27

Candidate Starts for Baloo_31:

(Start: 27 @28616 has 45 MA's), (Start: 31 @28631 has 1 MA's), (40, 28676), (55, 28733), (74, 28811), (96, 28880), (106, 28892), (112, 28934), (121, 28970), (130, 28997), (133, 29009), (139, 29036), (159, 29126), (175, 29198), (194, 29282), (220, 29390), (226, 29411), (248, 29504), (253, 29519), (283, 29648), (300, 29729), (322, 29804), (337, 29846), (340, 29852), (363, 29951), (379, 30002), (383, 30014), (393, 30056), (398, 30077), (418, 30131), (425, 30155), (435, 30191), (466, 30287), (468,

30296), (486, 30350), (511, 30458), (521, 30485), (533, 30527), (557, 30599), (577, 30689), (588, 30725),

Gene: Banjo_30 Start: 28454, Stop: 30709, Start Num: 28

Candidate Starts for Banjo_30:

(Start: 28 @28454 has 302 MA's), (50, 28550), (70, 28628), (73, 28655), (106, 28754), (141, 28913), (182, 29093), (187, 29117), (205, 29207), (207, 29213), (217, 29249), (230, 29288), (234, 29297), (240, 29330), (248, 29369), (260, 29414), (275, 29465), (284, 29516), (285, 29525), (300, 29594), (322, 29669), (340, 29714), (344, 29729), (379, 29864), (393, 29918), (398, 29939), (413, 29972), (425, 30017), (439, 30071), (448, 30098), (466, 30155), (472, 30176), (486, 30218), (494, 30257), (509, 30317), (577, 30557), (587, 30590), (588, 30593), (605, 30626), (608, 30632), (635, 30695),

Gene: Basato_32 Start: 28982, Stop: 31237, Start Num: 28

Candidate Starts for Basato_32:

(Start: 28 @28982 has 302 MA's), (50, 29078), (70, 29156), (73, 29183), (106, 29282), (141, 29441), (182, 29621), (187, 29645), (207, 29741), (217, 29777), (230, 29816), (234, 29825), (240, 29858), (248, 29897), (260, 29942), (275, 29993), (284, 30044), (285, 30053), (300, 30122), (322, 30197), (340, 30242), (344, 30257), (379, 30392), (393, 30446), (398, 30467), (413, 30500), (425, 30545), (439, 30599), (448, 30626), (466, 30683), (472, 30704), (486, 30746), (494, 30785), (509, 30845), (577, 31085), (588, 31121), (605, 31154), (635, 31223),

Gene: BatteryCK_30 Start: 28373, Stop: 30628, Start Num: 28

Candidate Starts for BatteryCK_30:

(Start: 28 @28373 has 302 MA's), (50, 28469), (70, 28547), (73, 28574), (106, 28673), (141, 28832), (182, 29012), (187, 29036), (205, 29126), (207, 29132), (217, 29168), (230, 29207), (234, 29216), (240, 29249), (248, 29288), (260, 29333), (275, 29384), (284, 29435), (285, 29444), (300, 29513), (322, 29588), (340, 29633), (344, 29648), (379, 29783), (393, 29837), (398, 29858), (413, 29891), (425, 29936), (439, 29990), (448, 30017), (466, 30074), (472, 30095), (486, 30137), (494, 30176), (509, 30236), (577, 30476), (587, 30509), (588, 30512), (605, 30545), (608, 30551), (635, 30614),

Gene: Beaglebox_30 Start: 28474, Stop: 30729, Start Num: 28

Candidate Starts for Beaglebox_30:

(Start: 28 @28474 has 302 MA's), (50, 28570), (70, 28648), (73, 28675), (106, 28774), (141, 28933), (182, 29113), (187, 29137), (205, 29227), (207, 29233), (217, 29269), (230, 29308), (234, 29317), (240, 29350), (248, 29389), (260, 29434), (275, 29485), (284, 29536), (285, 29545), (300, 29614), (322, 29689), (340, 29734), (344, 29749), (379, 29884), (393, 29938), (398, 29959), (413, 29992), (425, 30037), (439, 30091), (448, 30118), (466, 30175), (472, 30196), (486, 30238), (494, 30277), (509, 30337), (577, 30577), (587, 30610), (588, 30613), (605, 30646), (608, 30652), (635, 30715),

Gene: Bellis_21 Start: 19726, Stop: 22239, Start Num: 11

Candidate Starts for Bellis_21:

(Start: 11 @19726 has 16 MA's), (20, 19789), (40, 19861), (64, 19951), (66, 19957), (81, 20029), (138, 20221), (141, 20233), (146, 20251), (153, 20290), (161, 20320), (173, 20377), (179, 20407), (182, 20413), (192, 20467), (194, 20473), (229, 20620), (230, 20623), (234, 20632), (238, 20650), (250, 20710), (253, 20719), (256, 20731), (266, 20782), (268, 20785), (306, 20950), (317, 21007), (343, 21091), (349, 21109), (353, 21118), (366, 21181), (400, 21301), (415, 21346), (421, 21361), (425, 21379), (434, 21409), (455, 21499), (480, 21568), (487, 21601), (491, 21622), (501, 21658), (507, 21694), (521, 21739), (528, 21763), (530, 21769), (534, 21784), (538, 21802), (552, 21835), (566, 21889), (572, 21913), (581, 21949), (583, 21955), (593, 21979), (659, 22144), (661, 22153), (663, 22159),

Gene: Ben11_30 Start: 28435, Stop: 30660, Start Num: 27

Candidate Starts for Ben11_30:

(Start: 27 @28435 has 45 MA's), (Start: 31 @28450 has 1 MA's), (40, 28495), (55, 28552), (74, 28630), (96, 28699), (106, 28711), (112, 28753), (121, 28789), (130, 28816), (133, 28828), (139, 28855), (159, 28945), (175, 29017), (194, 29101), (220, 29209), (226, 29230), (248, 29323), (253, 29338), (283, 29467), (300, 29548), (322, 29623), (337, 29665), (340, 29671), (363, 29770), (379, 29821), (383, 29833), (393, 29875), (398, 29896), (418, 29950), (425, 29974), (435, 30010), (466, 30106), (468, 30115), (486, 30169), (511, 30277), (521, 30304), (533, 30346), (557, 30418), (577, 30508), (588, 30544),

Gene: Bernardo_31 Start: 28703, Stop: 30928, Start Num: 27

Candidate Starts for Bernardo_31:

(Start: 27 @28703 has 45 MA's), (40, 28763), (55, 28820), (74, 28898), (96, 28967), (106, 28979), (112, 29021), (121, 29057), (133, 29096), (139, 29123), (159, 29213), (166, 29237), (175, 29285), (194, 29369), (220, 29477), (226, 29498), (248, 29591), (253, 29606), (283, 29735), (300, 29816), (322, 29891), (337, 29933), (340, 29939), (363, 30038), (379, 30089), (383, 30101), (393, 30143), (398, 30164), (418, 30218), (425, 30242), (435, 30278), (466, 30374), (468, 30383), (486, 30437), (511, 30545), (521, 30572), (533, 30614), (557, 30686), (577, 30776), (588, 30812),

Gene: Biglebops_23 Start: 20414, Stop: 22900, Start Num: 16

Candidate Starts for Biglebops_23:

(Start: 16 @20414 has 68 MA's), (Start: 31 @20462 has 1 MA's), (77, 20642), (78, 20645), (119, 20708), (121, 20720), (152, 20852), (163, 20891), (175, 20948), (180, 20972), (183, 20984), (194, 21032), (195, 21035), (203, 21068), (211, 21107), (222, 21140), (226, 21152), (229, 21161), (231, 21167), (245, 21233), (249, 21248), (276, 21359), (281, 21392), (297, 21476), (303, 21491), (318, 21551), (338, 21620), (361, 21740), (385, 21833), (417, 21947), (438, 22025), (439, 22031), (445, 22055), (458, 22118), (459, 22121), (462, 22133), (483, 22199), (484, 22205), (493, 22247), (497, 22268), (501, 22277), (506, 22310), (510, 22328), (530, 22397), (560, 22496), (562, 22502), (566, 22520), (578, 22574), (583, 22589), (595, 22616), (624, 22673),

Gene: Bipper_27 Start: 23567, Stop: 26155, Start Num: 15

Candidate Starts for Bipper_27:

(Start: 15 @23567 has 4 MA's), (67, 23756), (72, 23777), (78, 23807), (97, 23870), (116, 23936), (118, 23939), (130, 23981), (142, 24032), (148, 24068), (156, 24107), (187, 24242), (201, 24320), (202, 24323), (222, 24404), (231, 24434), (239, 24470), (247, 24509), (251, 24521), (258, 24551), (260, 24557), (261, 24569), (262, 24578), (265, 24590), (273, 24614), (278, 24638), (293, 24731), (305, 24764), (306, 24767), (320, 24842), (322, 24854), (345, 24938), (403, 25184), (406, 25190), (419, 25247), (439, 25328), (453, 25376), (484, 25490), (501, 25556), (521, 25643), (530, 25673), (545, 25724), (566, 25796), (572, 25820), (574, 25826), (578, 25847), (584, 25865), (618, 25934), (651, 26009), (661, 26048), (663, 26054), (665, 26060), (684, 26138), (687, 26147),

Gene: Bishoperium_30 Start: 28463, Stop: 30718, Start Num: 28

Candidate Starts for Bishoperium_30:

(Start: 28 @28463 has 302 MA's), (50, 28559), (70, 28637), (73, 28664), (106, 28763), (141, 28922), (182, 29102), (187, 29126), (205, 29216), (207, 29222), (217, 29258), (230, 29297), (234, 29306), (240, 29339), (248, 29378), (260, 29423), (275, 29474), (284, 29525), (285, 29534), (300, 29603), (322, 29678), (340, 29723), (344, 29738), (379, 29873), (393, 29927), (398, 29948), (413, 29981), (425, 30026), (439, 30080), (448, 30107), (466, 30164), (472, 30185), (486, 30227), (494, 30266), (509, 30326), (577, 30566), (587, 30599), (588, 30602), (605, 30635), (608, 30641), (635, 30704),

Gene: BlackStallion_31 Start: 28765, Stop: 31020, Start Num: 28

Candidate Starts for BlackStallion_31:

(Start: 28 @28765 has 302 MA's), (50, 28861), (70, 28939), (73, 28966), (106, 29065), (141, 29224), (182, 29404), (187, 29428), (205, 29518), (207, 29524), (217, 29560), (230, 29599), (234, 29608), (240, 29641), (248, 29680), (260, 29725), (275, 29776), (284, 29827), (285, 29836), (300, 29905),

(322, 29980), (340, 30025), (344, 30040), (379, 30175), (393, 30229), (398, 30250), (413, 30283), (425, 30328), (439, 30382), (466, 30466), (472, 30487), (486, 30529), (494, 30568), (509, 30628), (577, 30868), (587, 30901), (588, 30904), (605, 30937), (608, 30943), (635, 31006),

Gene: BlueHusk_31 Start: 28262, Stop: 30517, Start Num: 28

Candidate Starts for BlueHusk_31:

(Start: 28 @28262 has 302 MA's), (50, 28358), (70, 28436), (73, 28463), (106, 28562), (141, 28721), (182, 28901), (187, 28925), (207, 29021), (217, 29057), (230, 29096), (234, 29105), (240, 29138), (248, 29177), (260, 29222), (275, 29273), (284, 29324), (285, 29333), (300, 29402), (322, 29477), (340, 29522), (344, 29537), (379, 29672), (393, 29726), (398, 29747), (413, 29780), (425, 29825), (439, 29879), (448, 29906), (466, 29963), (472, 29984), (486, 30026), (494, 30065), (509, 30125), (577, 30365), (588, 30401), (605, 30434), (635, 30503),

Gene: Bluephacebaby_30 Start: 28460, Stop: 30715, Start Num: 28

Candidate Starts for Bluephacebaby_30:

(Start: 28 @28460 has 302 MA's), (50, 28556), (70, 28634), (73, 28661), (106, 28760), (141, 28919), (182, 29099), (187, 29123), (205, 29213), (207, 29219), (217, 29255), (230, 29294), (234, 29303), (240, 29336), (248, 29375), (260, 29420), (275, 29471), (284, 29522), (285, 29531), (300, 29600), (322, 29675), (340, 29720), (344, 29735), (379, 29870), (393, 29924), (398, 29945), (413, 29978), (425, 30023), (439, 30077), (448, 30104), (466, 30161), (472, 30182), (486, 30224), (494, 30263), (509, 30323), (577, 30563), (587, 30596), (588, 30599), (605, 30632), (608, 30638), (635, 30701),

Gene: BobbyK_28 Start: 28973, Stop: 31270, Start Num: 28

Candidate Starts for BobbyK_28:

(Start: 1 @28286 has 1 MA's), (2, 28433), (Start: 28 @28973 has 302 MA's), (50, 29072), (55, 29090), (83, 29213), (106, 29276), (120, 29357), (138, 29423), (167, 29540), (174, 29579), (187, 29639), (197, 29696), (201, 29720), (202, 29723), (217, 29786), (231, 29828), (261, 29963), (269, 29987), (283, 30050), (289, 30089), (310, 30161), (315, 30182), (322, 30218), (328, 30239), (351, 30305), (356, 30317), (363, 30368), (364, 30371), (369, 30389), (376, 30413), (384, 30440), (393, 30473), (398, 30494), (413, 30527), (425, 30572), (467, 30713), (468, 30716), (472, 30728), (495, 30812), (527, 30926), (533, 30947), (540, 30971), (558, 31034), (564, 31064), (567, 31070), (577, 31118), (587, 31151), (588, 31154), (635, 31256), (636, 31259),

Gene: Boehler_31 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for Boehler_31:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (587, 30902), (588, 30905), (605, 30938), (608, 30944), (635, 31007),

Gene: BoostSeason_23 Start: 18687, Stop: 21026, Start Num: 16

Candidate Starts for BoostSeason_23:

(Start: 16 @18687 has 68 MA's), (77, 18927), (132, 19035), (134, 19044), (139, 19065), (144, 19089), (176, 19218), (178, 19230), (194, 19299), (229, 19434), (236, 19452), (240, 19479), (270, 19581), (286, 19653), (294, 19695), (295, 19701), (297, 19710), (300, 19716), (318, 19797), (322, 19818), (335, 19860), (341, 19881), (353, 19911), (373, 19998), (377, 20007), (387, 20043), (402, 20097), (421, 20151), (423, 20163), (439, 20223), (455, 20283), (459, 20301), (469, 20328), (487, 20385), (535, 20574), (549, 20604), (570, 20682), (574, 20703), (586, 20745), (601, 20778), (606, 20787), (613, 20808), (629, 20835), (660, 20916), (670, 20940),

Gene: BourbonZero_20 Start: 19707, Stop: 22217, Start Num: 11

Candidate Starts for BourbonZero_20:

(Start: 11 @19707 has 16 MA's), (20, 19770), (53, 19890), (99, 20076), (138, 20202), (141, 20214), (146, 20232), (153, 20271), (161, 20301), (179, 20388), (192, 20448), (194, 20454), (228, 20595), (230, 20601), (234, 20610), (238, 20628), (250, 20688), (256, 20709), (266, 20760), (268, 20763), (283, 20832), (317, 20985), (343, 21069), (349, 21087), (353, 21096), (382, 21207), (385, 21225), (400, 21279), (415, 21324), (421, 21339), (434, 21387), (455, 21477), (459, 21495), (480, 21546), (487, 21579), (490, 21597), (491, 21600), (501, 21636), (505, 21666), (507, 21672), (521, 21717), (528, 21741), (530, 21747), (534, 21762), (538, 21780), (552, 21813), (553, 21816), (566, 21867), (583, 21933), (593, 21957), (628, 22032), (640, 22068), (663, 22137),

Gene: Briakila_31 Start: 29378, Stop: 31603, Start Num: 27

Candidate Starts for Briakila_31:

(Start: 27 @29378 has 45 MA's), (Start: 31 @29393 has 1 MA's), (40, 29438), (55, 29495), (74, 29573), (96, 29642), (106, 29654), (112, 29696), (121, 29732), (130, 29759), (133, 29771), (139, 29798), (159, 29888), (175, 29960), (194, 30044), (220, 30152), (226, 30173), (248, 30266), (253, 30281), (283, 30410), (300, 30491), (322, 30566), (337, 30608), (340, 30614), (363, 30713), (379, 30764), (383, 30776), (393, 30818), (398, 30839), (418, 30893), (425, 30917), (435, 30953), (466, 31049), (468, 31058), (486, 31112), (511, 31220), (521, 31247), (533, 31289), (557, 31361), (577, 31451), (588, 31487),

Gene: Brilliant_31 Start: 28471, Stop: 30726, Start Num: 28

Candidate Starts for Brilliant_31:

(Start: 28 @28471 has 302 MA's), (50, 28567), (70, 28645), (73, 28672), (106, 28771), (141, 28930), (182, 29110), (187, 29134), (207, 29230), (217, 29266), (230, 29305), (234, 29314), (240, 29347), (248, 29386), (260, 29431), (275, 29482), (284, 29533), (285, 29542), (300, 29611), (322, 29686), (340, 29731), (344, 29746), (379, 29881), (393, 29935), (398, 29956), (413, 29989), (425, 30034), (439, 30088), (448, 30115), (466, 30172), (472, 30193), (486, 30235), (494, 30274), (509, 30334), (577, 30574), (588, 30610), (605, 30643), (635, 30712),

Gene: BrownCNA_29 Start: 29234, Stop: 31531, Start Num: 28

Candidate Starts for BrownCNA_29:

(Start: 1 @28547 has 1 MA's), (2, 28694), (Start: 28 @29234 has 302 MA's), (50, 29333), (55, 29351), (83, 29474), (106, 29537), (120, 29618), (138, 29684), (167, 29801), (174, 29840), (185, 29891), (187, 29900), (197, 29957), (201, 29981), (202, 29984), (217, 30047), (231, 30089), (236, 30101), (261, 30224), (269, 30248), (278, 30278), (279, 30281), (283, 30311), (310, 30422), (315, 30443), (318, 30464), (322, 30479), (328, 30500), (351, 30566), (363, 30629), (364, 30632), (369, 30650), (376, 30674), (384, 30701), (393, 30734), (398, 30755), (413, 30788), (425, 30833), (467, 30974), (472, 30989), (495, 31073), (527, 31187), (533, 31208), (540, 31232), (558, 31295), (564, 31325), (577, 31379), (587, 31412), (588, 31415), (635, 31517), (636, 31520),

Gene: Bryler_26 Start: 20070, Stop: 22406, Start Num: 16

Candidate Starts for Bryler_26:

(Start: 16 @20070 has 68 MA's), (Start: 31 @20118 has 1 MA's), (32, 20127), (63, 20241), (67, 20259), (80, 20310), (132, 20406), (134, 20415), (152, 20505), (156, 20517), (178, 20616), (180, 20625), (201, 20718), (222, 20799), (231, 20829), (236, 20841), (240, 20868), (242, 20883), (249, 20907), (270, 20967), (281, 21012), (286, 21039), (293, 21078), (297, 21096), (302, 21105), (318, 21174), (319, 21177), (322, 21195), (335, 21237), (341, 21258), (353, 21288), (373, 21375), (390, 21438), (400, 21471), (405, 21480), (423, 21543), (436, 21591), (439, 21603), (456, 21672), (466, 21696), (476, 21726), (487, 21765), (535, 21954), (560, 22029), (574, 22083), (606, 22167), (612, 22185), (651, 22272), (660, 22296), (674, 22338), (688, 22398),

Gene: Buckeye_31 Start: 28783, Stop: 31038, Start Num: 28

Candidate Starts for Buckeye_31:

(Start: 28 @28783 has 302 MA's), (50, 28879), (70, 28957), (73, 28984), (106, 29083), (141, 29242), (182, 29422), (187, 29446), (205, 29536), (207, 29542), (217, 29578), (230, 29617), (234, 29626), (240, 29659), (248, 29698), (260, 29743), (275, 29794), (284, 29845), (285, 29854), (300, 29923), (322, 29998), (340, 30043), (344, 30058), (379, 30193), (393, 30247), (398, 30268), (413, 30301), (425, 30346), (439, 30400), (448, 30427), (466, 30484), (472, 30505), (486, 30547), (494, 30586), (509, 30646), (577, 30886), (587, 30919), (588, 30922), (605, 30955), (608, 30961), (635, 31024),

Gene: Burr_30 Start: 28459, Stop: 30714, Start Num: 28

Candidate Starts for Burr_30:

(Start: 28 @28459 has 302 MA's), (50, 28555), (70, 28633), (73, 28660), (106, 28759), (141, 28918), (182, 29098), (187, 29122), (205, 29212), (207, 29218), (217, 29254), (230, 29293), (234, 29302), (240, 29335), (248, 29374), (260, 29419), (275, 29470), (284, 29521), (285, 29530), (300, 29599), (322, 29674), (340, 29719), (344, 29734), (379, 29869), (393, 29923), (398, 29944), (413, 29977), (425, 30022), (439, 30076), (448, 30103), (466, 30160), (472, 30181), (486, 30223), (494, 30262), (509, 30322), (577, 30562), (587, 30595), (588, 30598), (605, 30631), (608, 30637), (635, 30700),

Gene: CRB2_33 Start: 31730, Stop: 34225, Start Num: 25

Candidate Starts for CRB2_33:

(Start: 25 @31730 has 2 MA's), (50, 31832), (51, 31838), (55, 31850), (69, 31907), (73, 31937), (75, 31952), (102, 32057), (126, 32171), (162, 32324), (180, 32405), (181, 32408), (194, 32468), (198, 32495), (227, 32603), (239, 32651), (240, 32654), (243, 32675), (269, 32774), (275, 32789), (299, 32915), (307, 32939), (315, 32960), (336, 33047), (342, 33065), (384, 33224), (404, 33290), (415, 33326), (416, 33329), (421, 33341), (426, 33371), (436, 33407), (439, 33419), (475, 33542), (477, 33545), (479, 33548), (481, 33554), (503, 33656), (515, 33707), (521, 33722), (528, 33746), (540, 33797), (549, 33818), (571, 33899), (575, 33923), (589, 33977), (627, 34049), (645, 34091), (654, 34127), (658, 34145), (664, 34172), (671, 34202),

Gene: CactusJack_21 Start: 18926, Stop: 21559, Start Num: 6

Candidate Starts for CactusJack_21:

(Start: 6 @18926 has 7 MA's), (8, 18935), (40, 19079), (114, 19352), (118, 19364), (123, 19385), (131, 19409), (147, 19484), (164, 19556), (171, 19586), (178, 19622), (190, 19685), (195, 19700), (200, 19727), (202, 19733), (222, 19808), (229, 19832), (231, 19838), (236, 19850), (242, 19892), (243, 19898), (263, 19985), (271, 20006), (276, 20030), (287, 20096), (289, 20117), (293, 20135), (305, 20168), (309, 20192), (310, 20195), (320, 20246), (348, 20351), (358, 20393), (396, 20558), (420, 20654), (439, 20732), (444, 20744), (466, 20834), (484, 20894), (487, 20903), (497, 20951), (501, 20960), (530, 21077), (542, 21122), (558, 21164), (574, 21230), (579, 21254), (604, 21302), (605, 21308), (607, 21314), (651, 21413), (655, 21422), (661, 21452), (684, 21542), (687, 21551),

Gene: Cain_26 Start: 20058, Stop: 22394, Start Num: 16

Candidate Starts for Cain_26:

(Start: 16 @20058 has 68 MA's), (Start: 31 @20106 has 1 MA's), (32, 20115), (63, 20229), (67, 20247), (80, 20298), (132, 20394), (134, 20403), (152, 20493), (156, 20505), (178, 20604), (180, 20613), (201, 20706), (222, 20787), (231, 20817), (236, 20829), (240, 20856), (242, 20871), (249, 20895), (270, 20955), (281, 21000), (286, 21027), (293, 21066), (297, 21084), (302, 21093), (318, 21162), (319, 21165), (322, 21183), (335, 21225), (341, 21246), (353, 21276), (373, 21363), (390, 21426), (400, 21459), (405, 21468), (423, 21531), (436, 21579), (439, 21591), (456, 21660), (466, 21684), (476, 21714), (487, 21753), (535, 21942), (560, 22017), (574, 22071), (606, 22155), (612, 22173), (651, 22260), (660, 22284), (674, 22326), (688, 22386),

Gene: CamL_31 Start: 28761, Stop: 31016, Start Num: 28

Candidate Starts for CamL_31:

(Start: 28 @28761 has 302 MA's), (50, 28857), (70, 28935), (73, 28962), (106, 29061), (141, 29220), (182, 29400), (187, 29424), (205, 29514), (207, 29520), (217, 29556), (230, 29595), (234, 29604),

(240, 29637), (248, 29676), (260, 29721), (275, 29772), (284, 29823), (285, 29832), (300, 29901), (322, 29976), (340, 30021), (344, 30036), (379, 30171), (393, 30225), (398, 30246), (413, 30279), (425, 30324), (439, 30378), (448, 30405), (466, 30462), (472, 30483), (486, 30525), (494, 30564), (509, 30624), (577, 30864), (587, 30897), (588, 30900), (605, 30933), (608, 30939), (635, 31002),

Gene: CampRoach_31 Start: 28751, Stop: 31006, Start Num: 28

Candidate Starts for CampRoach_31:

(Start: 28 @28751 has 302 MA's), (50, 28847), (70, 28925), (73, 28952), (106, 29051), (141, 29210), (182, 29390), (187, 29414), (205, 29504), (207, 29510), (217, 29546), (230, 29585), (234, 29594), (240, 29627), (248, 29666), (260, 29711), (275, 29762), (284, 29813), (285, 29822), (300, 29891), (322, 29966), (340, 30011), (344, 30026), (379, 30161), (393, 30215), (398, 30236), (413, 30269), (425, 30314), (439, 30368), (448, 30395), (466, 30452), (472, 30473), (486, 30515), (494, 30554), (509, 30614), (577, 30854), (587, 30887), (588, 30890), (605, 30923), (608, 30929), (635, 30992),

Gene: Cannibal_31 Start: 28744, Stop: 30999, Start Num: 28

Candidate Starts for Cannibal_31:

(Start: 28 @28744 has 302 MA's), (50, 28840), (70, 28918), (73, 28945), (106, 29044), (141, 29203), (182, 29383), (187, 29407), (205, 29497), (207, 29503), (217, 29539), (230, 29578), (234, 29587), (240, 29620), (248, 29659), (260, 29704), (275, 29755), (284, 29806), (285, 29815), (300, 29884), (322, 29959), (340, 30004), (344, 30019), (379, 30154), (393, 30208), (398, 30229), (413, 30262), (425, 30307), (439, 30361), (448, 30388), (466, 30445), (472, 30466), (486, 30508), (494, 30547), (509, 30607), (577, 30847), (588, 30883), (605, 30916), (635, 30985),

Gene: Carthage_29 Start: 27670, Stop: 29928, Start Num: 28

Candidate Starts for Carthage_29:

(Start: 28 @27670 has 302 MA's), (50, 27766), (70, 27844), (73, 27871), (106, 27973), (182, 28312), (187, 28336), (205, 28426), (207, 28432), (217, 28468), (230, 28507), (240, 28549), (248, 28588), (260, 28633), (275, 28684), (284, 28735), (285, 28744), (300, 28813), (322, 28888), (340, 28933), (344, 28948), (379, 29083), (393, 29137), (398, 29158), (413, 29191), (425, 29236), (439, 29290), (448, 29317), (466, 29374), (472, 29395), (486, 29437), (494, 29476), (509, 29536), (577, 29776), (587, 29809), (588, 29812), (605, 29845), (608, 29851), (635, 29914),

Gene: Casbah_30 Start: 28465, Stop: 30690, Start Num: 27

Candidate Starts for Casbah_30:

(Start: 27 @28465 has 45 MA's), (Start: 31 @28480 has 1 MA's), (40, 28525), (55, 28582), (74, 28660), (96, 28729), (106, 28741), (112, 28783), (121, 28819), (130, 28846), (133, 28858), (139, 28885), (159, 28975), (175, 29047), (194, 29131), (220, 29239), (226, 29260), (248, 29353), (253, 29368), (283, 29497), (300, 29578), (322, 29653), (337, 29695), (340, 29701), (351, 29737), (379, 29851), (383, 29863), (393, 29905), (398, 29926), (418, 29980), (425, 30004), (466, 30136), (468, 30145), (486, 30199), (511, 30307), (521, 30334), (533, 30376), (557, 30448), (577, 30538), (588, 30574),

Gene: Caspiboi_32 Start: 28470, Stop: 30725, Start Num: 28

Candidate Starts for Caspiboi_32:

(Start: 28 @28470 has 302 MA's), (50, 28566), (70, 28644), (73, 28671), (106, 28770), (141, 28929), (182, 29109), (187, 29133), (207, 29229), (217, 29265), (230, 29304), (234, 29313), (240, 29346), (248, 29385), (260, 29430), (275, 29481), (284, 29532), (285, 29541), (300, 29610), (322, 29685), (340, 29730), (344, 29745), (379, 29880), (393, 29934), (398, 29955), (413, 29988), (425, 30033), (439, 30087), (448, 30114), (466, 30171), (472, 30192), (486, 30234), (494, 30273), (509, 30333), (577, 30573), (588, 30609), (605, 30642), (635, 30711),

Gene: ChaChing_31 Start: 28628, Stop: 30853, Start Num: 27

Candidate Starts for ChaChing_31:

(Start: 27 @28628 has 45 MA's), (Start: 31 @28643 has 1 MA's), (40, 28688), (55, 28745), (74, 28823), (96, 28892), (106, 28904), (112, 28946), (121, 28982), (130, 29009), (133, 29021), (139, 29048), (159, 29138), (175, 29210), (194, 29294), (220, 29402), (226, 29423), (248, 29516), (253, 29531), (283, 29660), (300, 29741), (322, 29816), (337, 29858), (340, 29864), (351, 29900), (379, 30014), (383, 30026), (393, 30068), (398, 30089), (418, 30143), (425, 30167), (435, 30203), (466, 30299), (468, 30308), (486, 30362), (511, 30470), (521, 30497), (533, 30539), (557, 30611), (577, 30701), (588, 30737),

Gene: Chaelin_31 Start: 28458, Stop: 30713, Start Num: 28

Candidate Starts for Chaelin_31:

(Start: 28 @28458 has 302 MA's), (50, 28554), (70, 28632), (73, 28659), (106, 28758), (141, 28917), (182, 29097), (187, 29121), (207, 29217), (217, 29253), (230, 29292), (234, 29301), (240, 29334), (248, 29373), (260, 29418), (275, 29469), (285, 29529), (300, 29598), (322, 29673), (340, 29718), (344, 29733), (379, 29868), (393, 29922), (398, 29943), (413, 29976), (425, 30021), (439, 30075), (448, 30102), (466, 30159), (472, 30180), (486, 30222), (494, 30261), (509, 30321), (577, 30561), (588, 30597), (605, 30630), (635, 30699),

Gene: Chah_32 Start: 28778, Stop: 31033, Start Num: 28

Candidate Starts for Chah_32:

(Start: 28 @28778 has 302 MA's), (50, 28874), (70, 28952), (73, 28979), (106, 29078), (141, 29237), (182, 29417), (187, 29441), (205, 29531), (207, 29537), (217, 29573), (230, 29612), (234, 29621), (240, 29654), (248, 29693), (260, 29738), (275, 29789), (284, 29840), (285, 29849), (300, 29918), (322, 29993), (340, 30038), (344, 30053), (379, 30188), (393, 30242), (398, 30263), (413, 30296), (425, 30341), (439, 30395), (448, 30422), (466, 30479), (472, 30500), (486, 30542), (494, 30581), (509, 30641), (577, 30881), (587, 30914), (588, 30917), (605, 30950), (608, 30956), (635, 31019),

Gene: Chalmers_31 Start: 29420, Stop: 31645, Start Num: 27

Candidate Starts for Chalmers_31:

(Start: 27 @29420 has 45 MA's), (40, 29480), (55, 29537), (74, 29615), (96, 29684), (106, 29696), (112, 29738), (121, 29774), (130, 29801), (133, 29813), (139, 29840), (159, 29930), (175, 30002), (194, 30086), (220, 30194), (226, 30215), (248, 30308), (253, 30323), (283, 30452), (300, 30533), (322, 30608), (337, 30650), (340, 30656), (351, 30692), (379, 30806), (383, 30818), (393, 30860), (398, 30881), (418, 30935), (425, 30959), (435, 30995), (466, 31091), (468, 31100), (486, 31154), (511, 31262), (521, 31289), (533, 31331), (557, 31403), (577, 31493), (588, 31529),

Gene: Chancellor_28 Start: 22283, Stop: 24592, Start Num: 16

Candidate Starts for Chancellor_28:

(Start: 16 @22283 has 68 MA's), (43, 22394), (50, 22418), (82, 22535), (140, 22664), (149, 22715), (150, 22724), (160, 22757), (169, 22796), (171, 22805), (185, 22862), (187, 22871), (222, 22922), (226, 22934), (231, 22949), (234, 22955), (240, 22988), (251, 23036), (270, 23090), (286, 23162), (293, 23201), (296, 23213), (302, 23228), (313, 23273), (327, 23342), (354, 23423), (390, 23576), (420, 23675), (422, 23687), (445, 23792), (459, 23858), (464, 23873), (491, 23969), (530, 24122), (534, 24137), (535, 24143), (541, 24167), (554, 24206), (558, 24218), (580, 24314), (606, 24368), (613, 24389), (655, 24476), (661, 24506), (687, 24584),

Gene: Chandler_31 Start: 29393, Stop: 31621, Start Num: 27

Candidate Starts for Chandler_31:

(Start: 27 @29393 has 45 MA's), (Start: 31 @29408 has 1 MA's), (40, 29453), (55, 29510), (74, 29588), (96, 29657), (106, 29669), (112, 29711), (121, 29747), (130, 29774), (133, 29786), (139, 29813), (159, 29903), (175, 29975), (194, 30059), (220, 30167), (226, 30188), (248, 30281), (253, 30296), (283, 30425), (300, 30506), (322, 30581), (337, 30623), (340, 30629), (351, 30665), (379, 30779), (383, 30791), (393, 30833), (398, 30854), (418, 30908), (425, 30932), (435, 30968), (466, 31067), (468, 31076), (486, 31130), (511, 31238), (521, 31265), (533, 31307), (557, 31379), (577, 31469), (588,

31505),

Gene: Charles1_31 Start: 28746, Stop: 31001, Start Num: 28

Candidate Starts for Charles1_31:

(Start: 28 @28746 has 302 MA's), (50, 28842), (70, 28920), (73, 28947), (106, 29046), (141, 29205), (182, 29385), (187, 29409), (205, 29499), (207, 29505), (217, 29541), (230, 29580), (234, 29589), (240, 29622), (248, 29661), (260, 29706), (275, 29757), (284, 29808), (285, 29817), (300, 29886), (322, 29961), (340, 30006), (344, 30021), (379, 30156), (393, 30210), (398, 30231), (413, 30264), (425, 30309), (439, 30363), (448, 30390), (466, 30447), (472, 30468), (486, 30510), (494, 30549), (509, 30609), (577, 30849), (587, 30882), (588, 30885), (605, 30918), (608, 30924), (635, 30987),

Gene: CharlieGBrown_30 Start: 28335, Stop: 30590, Start Num: 28

Candidate Starts for CharlieGBrown_30:

(Start: 28 @28335 has 302 MA's), (50, 28431), (70, 28509), (73, 28536), (106, 28635), (141, 28794), (182, 28974), (187, 28998), (207, 29094), (217, 29130), (230, 29169), (234, 29178), (240, 29211), (248, 29250), (260, 29295), (275, 29346), (285, 29406), (300, 29475), (322, 29550), (340, 29595), (344, 29610), (379, 29745), (393, 29799), (398, 29820), (413, 29853), (425, 29898), (439, 29952), (448, 29979), (466, 30036), (472, 30057), (486, 30099), (494, 30138), (509, 30198), (577, 30438), (587, 30471), (588, 30474), (605, 30507), (635, 30576),

Gene: CheetO_31 Start: 28760, Stop: 31015, Start Num: 28

Candidate Starts for CheetO_31:

(Start: 28 @28760 has 302 MA's), (50, 28856), (70, 28934), (73, 28961), (106, 29060), (141, 29219), (182, 29399), (187, 29423), (207, 29519), (217, 29555), (230, 29594), (234, 29603), (240, 29636), (248, 29675), (260, 29720), (275, 29771), (284, 29822), (285, 29831), (300, 29900), (322, 29975), (340, 30020), (344, 30035), (379, 30170), (393, 30224), (398, 30245), (413, 30278), (425, 30323), (439, 30377), (448, 30404), (466, 30461), (472, 30482), (486, 30524), (494, 30563), (509, 30623), (577, 30863), (588, 30899), (605, 30932), (635, 31001),

Gene: Cheetobro_28 Start: 22280, Stop: 24589, Start Num: 16

Candidate Starts for Cheetobro_28:

(Start: 16 @22280 has 68 MA's), (43, 22391), (50, 22415), (82, 22532), (140, 22661), (149, 22712), (150, 22721), (160, 22754), (169, 22793), (171, 22802), (185, 22859), (187, 22868), (222, 22919), (226, 22931), (231, 22946), (234, 22952), (240, 22985), (251, 23033), (270, 23087), (286, 23159), (293, 23198), (296, 23210), (302, 23225), (313, 23270), (327, 23339), (354, 23420), (390, 23573), (420, 23672), (422, 23684), (445, 23789), (459, 23855), (464, 23870), (491, 23966), (530, 24119), (534, 24134), (535, 24140), (541, 24164), (554, 24203), (558, 24215), (580, 24311), (606, 24365), (613, 24386), (655, 24473), (661, 24503), (687, 24581),

Gene: Chentzyk_30 Start: 28483, Stop: 30711, Start Num: 27

Candidate Starts for Chentzyk_30:

(Start: 27 @28483 has 45 MA's), (Start: 31 @28498 has 1 MA's), (40, 28543), (55, 28600), (74, 28678), (96, 28747), (106, 28759), (112, 28801), (121, 28837), (130, 28864), (133, 28876), (139, 28903), (159, 28993), (175, 29065), (194, 29149), (220, 29257), (226, 29278), (248, 29371), (253, 29386), (283, 29515), (300, 29596), (322, 29671), (337, 29713), (340, 29719), (351, 29755), (379, 29869), (383, 29881), (393, 29923), (398, 29944), (418, 29998), (425, 30022), (435, 30058), (466, 30157), (468, 30166), (486, 30220), (511, 30328), (521, 30355), (533, 30397), (557, 30469), (577, 30559), (588, 30595),

Gene: Cher_30 Start: 28483, Stop: 30738, Start Num: 28

Candidate Starts for Cher_30:

(Start: 28 @28483 has 302 MA's), (50, 28579), (70, 28657), (73, 28684), (106, 28783), (141, 28942), (182, 29122), (187, 29146), (205, 29236), (207, 29242), (217, 29278), (230, 29317), (234, 29326),

(240, 29359), (248, 29398), (260, 29443), (275, 29494), (284, 29545), (285, 29554), (300, 29623), (322, 29698), (340, 29743), (344, 29758), (379, 29893), (393, 29947), (398, 29968), (413, 30001), (425, 30046), (439, 30100), (448, 30127), (466, 30184), (472, 30205), (486, 30247), (494, 30286), (509, 30346), (577, 30586), (587, 30619), (588, 30622), (605, 30655), (608, 30661), (635, 30724),

Gene: Childish_30 Start: 28486, Stop: 30741, Start Num: 28

Candidate Starts for Childish_30:

(Start: 28 @28486 has 302 MA's), (50, 28582), (70, 28660), (73, 28687), (106, 28786), (141, 28945), (182, 29125), (187, 29149), (205, 29239), (207, 29245), (217, 29281), (230, 29320), (234, 29329), (240, 29362), (248, 29401), (260, 29446), (275, 29497), (284, 29548), (285, 29557), (300, 29626), (322, 29701), (340, 29746), (344, 29761), (379, 29896), (393, 29950), (398, 29971), (413, 30004), (425, 30049), (439, 30103), (448, 30130), (466, 30187), (472, 30208), (486, 30250), (494, 30289), (509, 30349), (577, 30589), (588, 30625), (605, 30658), (635, 30727),

Gene: ChipMunk_33 Start: 23177, Stop: 25654, Start Num: 16

Candidate Starts for ChipMunk_33:

(Start: 16 @23177 has 68 MA's), (22, 23198), (47, 23288), (72, 23387), (84, 23435), (127, 23567), (184, 23813), (189, 23840), (191, 23855), (207, 23930), (241, 24071), (259, 24143), (283, 24245), (290, 24287), (330, 24455), (342, 24497), (349, 24518), (378, 24629), (380, 24632), (395, 24689), (415, 24755), (416, 24758), (421, 24770), (428, 24812), (431, 24821), (439, 24854), (454, 24911), (487, 25016), (491, 25037), (501, 25076), (546, 25226), (549, 25232), (552, 25247), (554, 25253), (563, 25286), (565, 25298), (569, 25307), (573, 25328), (598, 25397), (639, 25496), (652, 25523), (653, 25526), (667, 25580), (678, 25607),

Gene: Chorkpop_31 Start: 28482, Stop: 30737, Start Num: 28

Candidate Starts for Chorkpop_31:

(Start: 28 @28482 has 302 MA's), (50, 28578), (70, 28656), (73, 28683), (106, 28782), (141, 28941), (182, 29121), (187, 29145), (205, 29235), (207, 29241), (217, 29277), (230, 29316), (234, 29325), (240, 29358), (248, 29397), (260, 29442), (275, 29493), (284, 29544), (285, 29553), (300, 29622), (322, 29697), (340, 29742), (344, 29757), (379, 29892), (393, 29946), (398, 29967), (413, 30000), (425, 30045), (439, 30099), (448, 30126), (466, 30183), (472, 30204), (486, 30246), (494, 30285), (509, 30345), (577, 30585), (588, 30621), (605, 30654), (635, 30723),

Gene: ChrisnMich_27 Start: 27933, Stop: 30230, Start Num: 28

Candidate Starts for ChrisnMich_27:

(Start: 28 @27933 has 302 MA's), (50, 28032), (55, 28050), (83, 28173), (106, 28236), (120, 28317), (138, 28383), (141, 28395), (167, 28500), (174, 28539), (185, 28590), (187, 28599), (201, 28680), (202, 28683), (217, 28746), (231, 28788), (236, 28800), (261, 28923), (269, 28947), (283, 29010), (289, 29049), (310, 29121), (315, 29142), (322, 29178), (328, 29199), (351, 29265), (356, 29277), (363, 29328), (364, 29331), (369, 29349), (376, 29373), (384, 29400), (393, 29433), (398, 29454), (413, 29487), (425, 29532), (467, 29673), (468, 29676), (472, 29688), (495, 29772), (533, 29907), (540, 29931), (558, 29994), (564, 30024), (567, 30030), (577, 30078), (587, 30111), (588, 30114), (635, 30216), (636, 30219),

Gene: Chunky_31 Start: 28766, Stop: 31024, Start Num: 28

Candidate Starts for Chunky_31:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29069), (141, 29228), (182, 29408), (187, 29432), (207, 29528), (217, 29564), (230, 29603), (234, 29612), (240, 29645), (248, 29684), (260, 29729), (275, 29780), (284, 29831), (285, 29840), (300, 29909), (322, 29984), (340, 30029), (344, 30044), (379, 30179), (393, 30233), (398, 30254), (413, 30287), (425, 30332), (439, 30386), (448, 30413), (466, 30470), (472, 30491), (486, 30533), (494, 30572), (509, 30632), (577, 30872), (587, 30905), (588, 30908), (605, 30941), (608, 30947), (635, 31010),

Gene: Chute_30 Start: 28801, Stop: 31062, Start Num: 28

Candidate Starts for Chute_30:

(Start: 28 @28801 has 302 MA's), (50, 28897), (70, 28975), (73, 29002), (94, 29077), (106, 29107), (141, 29266), (182, 29446), (187, 29470), (207, 29566), (217, 29602), (230, 29641), (234, 29650), (240, 29683), (248, 29722), (260, 29767), (275, 29818), (285, 29878), (300, 29947), (322, 30022), (340, 30067), (344, 30082), (379, 30217), (393, 30271), (398, 30292), (413, 30325), (425, 30370), (439, 30424), (448, 30451), (466, 30508), (472, 30529), (486, 30571), (494, 30610), (509, 30670), (577, 30910), (588, 30946), (605, 30979), (635, 31048),

Gene: Clautastrophe_21 Start: 19724, Stop: 22237, Start Num: 11

Candidate Starts for Clautastrophe_21:

(Start: 11 @19724 has 16 MA's), (20, 19787), (40, 19859), (64, 19949), (66, 19955), (81, 20027), (105, 20114), (138, 20219), (141, 20231), (146, 20249), (153, 20288), (161, 20318), (173, 20375), (179, 20405), (182, 20411), (192, 20465), (194, 20471), (229, 20618), (230, 20621), (234, 20630), (238, 20648), (250, 20708), (253, 20717), (256, 20729), (266, 20780), (268, 20783), (306, 20948), (317, 21005), (343, 21089), (349, 21107), (353, 21116), (366, 21179), (400, 21299), (410, 21323), (415, 21344), (421, 21359), (425, 21377), (434, 21407), (455, 21497), (480, 21566), (487, 21599), (491, 21620), (501, 21656), (507, 21692), (521, 21737), (528, 21761), (530, 21767), (534, 21782), (538, 21800), (566, 21887), (572, 21911), (581, 21947), (583, 21953), (593, 21977), (628, 22052), (631, 22055), (659, 22142), (661, 22151), (663, 22157),

Gene: Cobra_31 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for Cobra_31:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (448, 30410), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (588, 30905), (605, 30938), (635, 31007),

Gene: Colbert_31 Start: 28819, Stop: 31077, Start Num: 28

Candidate Starts for Colbert_31:

(Start: 28 @28819 has 302 MA's), (50, 28915), (70, 28993), (73, 29020), (106, 29122), (141, 29281), (182, 29461), (187, 29485), (207, 29581), (217, 29617), (230, 29656), (234, 29665), (240, 29698), (248, 29737), (260, 29782), (275, 29833), (284, 29884), (285, 29893), (300, 29962), (322, 30037), (340, 30082), (344, 30097), (379, 30232), (393, 30286), (398, 30307), (413, 30340), (425, 30385), (439, 30439), (448, 30466), (466, 30523), (472, 30544), (486, 30586), (494, 30625), (509, 30685), (577, 30925), (587, 30958), (588, 30961), (605, 30994), (608, 31000), (635, 31063),

Gene: Coletti_30 Start: 28801, Stop: 31062, Start Num: 28

Candidate Starts for Coletti_30:

(Start: 28 @28801 has 302 MA's), (50, 28897), (70, 28975), (73, 29002), (94, 29077), (106, 29107), (141, 29266), (182, 29446), (187, 29470), (207, 29566), (217, 29602), (230, 29641), (234, 29650), (240, 29683), (248, 29722), (260, 29767), (275, 29818), (285, 29878), (300, 29947), (322, 30022), (340, 30067), (344, 30082), (379, 30217), (393, 30271), (398, 30292), (413, 30325), (425, 30370), (439, 30424), (448, 30451), (466, 30508), (472, 30529), (486, 30571), (494, 30610), (509, 30670), (577, 30910), (588, 30946), (605, 30979), (635, 31048),

Gene: Compostia_32 Start: 29043, Stop: 31268, Start Num: 27

Candidate Starts for Compostia_32:

(Start: 27 @29043 has 45 MA's), (Start: 31 @29058 has 1 MA's), (40, 29103), (55, 29160), (74, 29238), (96, 29307), (106, 29319), (112, 29361), (121, 29397), (130, 29424), (133, 29436), (139, 29463), (159, 29553), (175, 29625), (194, 29709), (220, 29817), (226, 29838), (248, 29931), (253, 29946), (283,

30075), (300, 30156), (322, 30231), (337, 30273), (340, 30279), (363, 30378), (379, 30429), (383, 30441), (393, 30483), (398, 30504), (418, 30558), (425, 30582), (435, 30618), (466, 30714), (468, 30723), (486, 30777), (511, 30885), (521, 30912), (533, 30954), (557, 31026), (577, 31116), (588, 31152),

Gene: Cooper_28 Start: 28155, Stop: 30443, Start Num: 28

Candidate Starts for Cooper_28:

(Start: 28 @28155 has 302 MA's), (42, 28227), (50, 28254), (55, 28272), (106, 28458), (120, 28539), (138, 28605), (167, 28722), (174, 28761), (187, 28821), (201, 28902), (202, 28905), (217, 28968), (236, 29022), (261, 29145), (269, 29169), (283, 29232), (289, 29271), (310, 29343), (315, 29364), (318, 29385), (322, 29400), (328, 29421), (356, 29499), (363, 29550), (364, 29553), (369, 29571), (376, 29595), (384, 29622), (393, 29655), (398, 29676), (413, 29709), (425, 29754), (467, 29895), (468, 29898), (472, 29910), (495, 29994), (498, 30006), (527, 30108), (533, 30129), (543, 30159), (567, 30243), (577, 30291), (587, 30324), (588, 30327), (635, 30429), (636, 30432),

Gene: Cornobble_30 Start: 28318, Stop: 30576, Start Num: 28

Candidate Starts for Cornobble_30:

(Start: 28 @28318 has 302 MA's), (50, 28414), (70, 28492), (73, 28519), (106, 28621), (141, 28780), (182, 28960), (187, 28984), (207, 29080), (217, 29116), (230, 29155), (234, 29164), (240, 29197), (248, 29236), (260, 29281), (275, 29332), (284, 29383), (285, 29392), (300, 29461), (322, 29536), (340, 29581), (344, 29596), (379, 29731), (393, 29785), (398, 29806), (413, 29839), (425, 29884), (439, 29938), (466, 30022), (472, 30043), (486, 30085), (494, 30124), (509, 30184), (577, 30424), (587, 30457), (588, 30460), (605, 30493), (608, 30499), (635, 30562),

Gene: Corofin_31 Start: 28638, Stop: 30863, Start Num: 27

Candidate Starts for Corofin_31:

(Start: 27 @28638 has 45 MA's), (Start: 31 @28653 has 1 MA's), (40, 28698), (55, 28755), (74, 28833), (96, 28902), (106, 28914), (112, 28956), (121, 28992), (130, 29019), (133, 29031), (139, 29058), (159, 29148), (175, 29220), (194, 29304), (220, 29412), (226, 29433), (248, 29526), (253, 29541), (283, 29670), (300, 29751), (322, 29826), (337, 29868), (340, 29874), (351, 29910), (379, 30024), (383, 30036), (393, 30078), (398, 30099), (418, 30153), (425, 30177), (435, 30213), (466, 30309), (468, 30318), (486, 30372), (511, 30480), (521, 30507), (533, 30549), (557, 30621), (577, 30711), (588, 30747),

Gene: Cosmolli16_30 Start: 28480, Stop: 30735, Start Num: 28

Candidate Starts for Cosmolli16_30:

(Start: 28 @28480 has 302 MA's), (50, 28576), (70, 28654), (73, 28681), (106, 28780), (141, 28939), (182, 29119), (187, 29143), (205, 29233), (207, 29239), (217, 29275), (230, 29314), (234, 29323), (240, 29356), (248, 29395), (260, 29440), (275, 29491), (284, 29542), (285, 29551), (300, 29620), (322, 29695), (340, 29740), (344, 29755), (379, 29890), (393, 29944), (398, 29965), (413, 29998), (425, 30043), (439, 30097), (448, 30124), (466, 30181), (472, 30202), (486, 30244), (494, 30283), (509, 30343), (577, 30583), (587, 30616), (588, 30619), (605, 30652), (608, 30658), (635, 30721),

Gene: Cracklewink_27 Start: 23567, Stop: 26155, Start Num: 15

Candidate Starts for Cracklewink_27:

(Start: 15 @23567 has 4 MA's), (67, 23756), (72, 23777), (78, 23807), (97, 23870), (116, 23936), (118, 23939), (130, 23981), (142, 24032), (148, 24068), (156, 24107), (187, 24242), (201, 24320), (202, 24323), (222, 24404), (231, 24434), (239, 24470), (247, 24509), (251, 24521), (258, 24551), (260, 24557), (261, 24569), (262, 24578), (265, 24590), (273, 24614), (278, 24638), (293, 24731), (305, 24764), (306, 24767), (320, 24842), (322, 24854), (345, 24938), (403, 25184), (406, 25190), (419, 25247), (439, 25328), (453, 25376), (484, 25490), (501, 25556), (521, 25643), (530, 25673), (545, 25724), (566, 25796), (572, 25820), (574, 25826), (578, 25847), (584, 25865), (618, 25934), (651, 26009), (661, 26048), (663, 26054), (665, 26060), (684, 26138), (687, 26147),

Gene: Craff_31 Start: 28764, Stop: 31019, Start Num: 28

Candidate Starts for Craff_31:

(Start: 28 @28764 has 302 MA's), (50, 28860), (70, 28938), (73, 28965), (106, 29064), (141, 29223), (182, 29403), (187, 29427), (205, 29517), (207, 29523), (217, 29559), (230, 29598), (234, 29607), (240, 29640), (248, 29679), (260, 29724), (275, 29775), (284, 29826), (285, 29835), (300, 29904), (322, 29979), (340, 30024), (344, 30039), (379, 30174), (393, 30228), (398, 30249), (413, 30282), (425, 30327), (439, 30381), (448, 30408), (466, 30465), (472, 30486), (486, 30528), (494, 30567), (509, 30627), (577, 30867), (587, 30900), (588, 30903), (605, 30936), (608, 30942), (635, 31005),

Gene: Crownjwl_31 Start: 28533, Stop: 30791, Start Num: 28

Candidate Starts for Crownjwl_31:

(Start: 28 @28533 has 302 MA's), (50, 28629), (70, 28707), (73, 28734), (106, 28836), (141, 28995), (182, 29175), (187, 29199), (189, 29211), (207, 29295), (217, 29331), (230, 29370), (234, 29379), (240, 29412), (248, 29451), (260, 29496), (275, 29547), (284, 29598), (285, 29607), (300, 29676), (322, 29751), (340, 29796), (344, 29811), (379, 29946), (393, 30000), (398, 30021), (413, 30054), (425, 30099), (439, 30153), (466, 30237), (472, 30258), (486, 30300), (494, 30339), (509, 30399), (577, 30639), (587, 30672), (588, 30675), (605, 30708), (608, 30714), (635, 30777),

Gene: Curiosium_28 Start: 20582, Stop: 23062, Start Num: 45

Candidate Starts for Curiosium_28:

(Start: 45 @20582 has 1 MA's), (91, 20753), (108, 20810), (119, 20861), (141, 20945), (155, 21017), (171, 21077), (175, 21098), (181, 21125), (186, 21149), (192, 21185), (204, 21230), (205, 21233), (231, 21332), (232, 21335), (240, 21371), (252, 21422), (262, 21476), (272, 21509), (291, 21635), (293, 21644), (320, 21767), (322, 21779), (350, 21878), (360, 21947), (367, 21980), (404, 22109), (407, 22115), (420, 22172), (424, 22190), (451, 22304), (456, 22331), (460, 22343), (463, 22358), (471, 22385), (478, 22400), (487, 22436), (488, 22439), (513, 22556), (517, 22571), (555, 22712), (581, 22820), (610, 22859), (611, 22862), (625, 22886), (659, 22964), (673, 23009), (680, 23027),

Gene: DaddyDaniels_31 Start: 28455, Stop: 30710, Start Num: 28

Candidate Starts for DaddyDaniels_31:

(Start: 28 @28455 has 302 MA's), (50, 28551), (70, 28629), (73, 28656), (106, 28755), (141, 28914), (182, 29094), (187, 29118), (207, 29214), (217, 29250), (230, 29289), (234, 29298), (240, 29331), (248, 29370), (260, 29415), (275, 29466), (284, 29517), (285, 29526), (300, 29595), (322, 29670), (340, 29715), (344, 29730), (379, 29865), (393, 29919), (398, 29940), (413, 29973), (425, 30018), (439, 30072), (448, 30099), (466, 30156), (472, 30177), (486, 30219), (494, 30258), (509, 30318), (577, 30558), (588, 30594), (605, 30627), (635, 30696),

Gene: Daffy_31 Start: 28486, Stop: 30741, Start Num: 28

Candidate Starts for Daffy_31:

(Start: 28 @28486 has 302 MA's), (50, 28582), (70, 28660), (73, 28687), (106, 28786), (141, 28945), (182, 29125), (187, 29149), (205, 29239), (207, 29245), (217, 29281), (230, 29320), (234, 29329), (240, 29362), (248, 29401), (260, 29446), (275, 29497), (284, 29548), (285, 29557), (300, 29626), (322, 29701), (340, 29746), (344, 29761), (379, 29896), (393, 29950), (398, 29971), (413, 30004), (425, 30049), (439, 30103), (448, 30130), (466, 30187), (472, 30208), (486, 30250), (494, 30289), (509, 30349), (577, 30589), (588, 30625), (605, 30658), (635, 30727),

Gene: Daisy_31 Start: 28640, Stop: 30865, Start Num: 27

Candidate Starts for Daisy_31:

(Start: 27 @28640 has 45 MA's), (Start: 31 @28655 has 1 MA's), (40, 28700), (55, 28757), (74, 28835), (96, 28904), (106, 28916), (112, 28958), (121, 28994), (130, 29021), (133, 29033), (139, 29060), (159, 29150), (175, 29222), (194, 29306), (220, 29414), (226, 29435), (248, 29528), (253, 29543), (283, 29672), (300, 29753), (322, 29828), (337, 29870), (340, 29876), (351, 29912), (379, 30026), (383,

30038), (393, 30080), (398, 30101), (418, 30155), (425, 30179), (435, 30215), (466, 30311), (468, 30320), (486, 30374), (511, 30482), (521, 30509), (533, 30551), (557, 30623), (577, 30713), (588, 30749),

Gene: Daka_31 Start: 28760, Stop: 31015, Start Num: 28

Candidate Starts for Daka_31:

(Start: 28 @28760 has 302 MA's), (50, 28856), (70, 28934), (73, 28961), (106, 29060), (141, 29219), (182, 29399), (187, 29423), (207, 29519), (217, 29555), (230, 29594), (234, 29603), (240, 29636), (248, 29675), (260, 29720), (275, 29771), (284, 29822), (285, 29831), (300, 29900), (322, 29975), (340, 30020), (344, 30035), (379, 30170), (393, 30224), (398, 30245), (413, 30278), (425, 30323), (439, 30377), (448, 30404), (466, 30461), (472, 30482), (486, 30524), (494, 30563), (509, 30623), (577, 30863), (588, 30899), (605, 30932), (635, 31001),

Gene: DarthP_26 Start: 21319, Stop: 23703, Start Num: 16

Candidate Starts for DarthP_26:

(Start: 16 @21319 has 68 MA's), (18, 21328), (Start: 31 @21367 has 1 MA's), (63, 21490), (77, 21547), (80, 21559), (121, 21625), (137, 21679), (152, 21757), (174, 21847), (183, 21889), (195, 21940), (207, 21982), (208, 21985), (210, 22006), (229, 22066), (231, 22072), (276, 22264), (297, 22381), (319, 22450), (329, 22489), (339, 22519), (379, 22663), (419, 22798), (420, 22801), (421, 22804), (432, 22843), (445, 22897), (483, 23038), (484, 23044), (489, 23059), (516, 23188), (520, 23194), (551, 23290), (554, 23299), (560, 23323), (565, 23344), (649, 23551), (653, 23566), (654, 23569), (685, 23677),

Gene: Dartin_27 Start: 20230, Stop: 22731, Start Num: 16

Candidate Starts for Dartin_27:

(Start: 16 @20230 has 68 MA's), (Start: 31 @20278 has 1 MA's), (42, 20329), (63, 20401), (75, 20452), (80, 20470), (91, 20503), (119, 20524), (121, 20536), (137, 20590), (152, 20668), (163, 20707), (175, 20764), (183, 20800), (195, 20851), (203, 20881), (208, 20896), (211, 20920), (222, 20953), (229, 20974), (231, 20980), (240, 21019), (276, 21172), (281, 21205), (283, 21217), (295, 21280), (318, 21364), (360, 21547), (374, 21601), (385, 21643), (438, 21835), (439, 21841), (445, 21865), (458, 21928), (470, 21967), (489, 22030), (501, 22087), (506, 22120), (510, 22138), (521, 22177), (532, 22216), (534, 22222), (552, 22279), (581, 22393), (607, 22447), (612, 22462), (625, 22492), (633, 22504), (653, 22561), (657, 22579), (666, 22609), (668, 22627), (686, 22708),

Gene: Dati_31 Start: 28480, Stop: 30735, Start Num: 28

Candidate Starts for Dati_31:

(Start: 28 @28480 has 302 MA's), (50, 28576), (70, 28654), (73, 28681), (106, 28780), (141, 28939), (182, 29119), (187, 29143), (205, 29233), (207, 29239), (217, 29275), (230, 29314), (234, 29323), (240, 29356), (248, 29395), (260, 29440), (275, 29491), (284, 29542), (285, 29551), (300, 29620), (322, 29695), (340, 29740), (344, 29755), (379, 29890), (393, 29944), (398, 29965), (413, 29998), (425, 30043), (439, 30097), (448, 30124), (466, 30181), (472, 30202), (486, 30244), (494, 30283), (509, 30343), (577, 30583), (587, 30616), (588, 30619), (605, 30652), (608, 30658), (635, 30721),

Gene: Deenasa_31 Start: 29376, Stop: 31604, Start Num: 27

Candidate Starts for Deenasa_31:

(Start: 27 @29376 has 45 MA's), (Start: 31 @29391 has 1 MA's), (40, 29436), (55, 29493), (74, 29571), (96, 29640), (106, 29652), (112, 29694), (121, 29730), (130, 29757), (133, 29769), (139, 29796), (159, 29886), (175, 29958), (194, 30042), (220, 30150), (226, 30171), (248, 30264), (253, 30279), (283, 30408), (300, 30489), (322, 30564), (337, 30606), (340, 30612), (351, 30648), (379, 30762), (383, 30774), (393, 30816), (398, 30837), (418, 30891), (425, 30915), (435, 30951), (466, 31050), (468, 31059), (486, 31113), (511, 31221), (521, 31248), (533, 31290), (557, 31362), (577, 31452), (588, 31488),

Gene: DelRivs_30 Start: 28481, Stop: 30736, Start Num: 28

Candidate Starts for DelRivs_30:

(Start: 28 @28481 has 302 MA's), (50, 28577), (70, 28655), (73, 28682), (106, 28781), (141, 28940), (182, 29120), (187, 29144), (205, 29234), (207, 29240), (217, 29276), (230, 29315), (234, 29324), (240, 29357), (248, 29396), (260, 29441), (275, 29492), (284, 29543), (285, 29552), (300, 29621), (322, 29696), (340, 29741), (344, 29756), (379, 29891), (393, 29945), (398, 29966), (413, 29999), (425, 30044), (439, 30098), (448, 30125), (466, 30182), (472, 30203), (486, 30245), (494, 30284), (509, 30344), (577, 30584), (587, 30617), (588, 30620), (605, 30653), (608, 30659), (635, 30722),

Gene: Derpp_30 Start: 28325, Stop: 30580, Start Num: 28

Candidate Starts for Derpp_30:

(Start: 28 @28325 has 302 MA's), (50, 28421), (70, 28499), (73, 28526), (106, 28625), (141, 28784), (182, 28964), (187, 28988), (207, 29084), (217, 29120), (230, 29159), (234, 29168), (240, 29201), (248, 29240), (260, 29285), (275, 29336), (285, 29396), (300, 29465), (322, 29540), (340, 29585), (344, 29600), (379, 29735), (393, 29789), (398, 29810), (413, 29843), (425, 29888), (439, 29942), (448, 29969), (466, 30026), (472, 30047), (486, 30089), (494, 30128), (509, 30188), (577, 30428), (587, 30461), (588, 30464), (605, 30497), (635, 30566),

Gene: Devonte_31 Start: 28604, Stop: 30829, Start Num: 27

Candidate Starts for Devonte_31:

(Start: 27 @28604 has 45 MA's), (Start: 31 @28619 has 1 MA's), (40, 28664), (55, 28721), (74, 28799), (96, 28868), (106, 28880), (112, 28922), (121, 28958), (130, 28985), (133, 28997), (139, 29024), (159, 29114), (175, 29186), (194, 29270), (220, 29378), (226, 29399), (248, 29492), (253, 29507), (283, 29636), (300, 29717), (322, 29792), (337, 29834), (340, 29840), (351, 29876), (379, 29990), (383, 30002), (393, 30044), (398, 30065), (418, 30119), (425, 30143), (435, 30179), (466, 30275), (468, 30284), (486, 30338), (511, 30446), (521, 30473), (533, 30515), (557, 30587), (577, 30677), (588, 30713),

Gene: Dice_30 Start: 28460, Stop: 30715, Start Num: 28

Candidate Starts for Dice_30:

(Start: 28 @28460 has 302 MA's), (50, 28556), (70, 28634), (73, 28661), (106, 28760), (141, 28919), (182, 29099), (187, 29123), (205, 29213), (207, 29219), (217, 29255), (230, 29294), (234, 29303), (240, 29336), (248, 29375), (260, 29420), (275, 29471), (284, 29522), (285, 29531), (300, 29600), (322, 29675), (340, 29720), (344, 29735), (379, 29870), (393, 29924), (398, 29945), (413, 29978), (425, 30023), (439, 30077), (448, 30104), (466, 30161), (472, 30182), (486, 30224), (494, 30263), (509, 30323), (577, 30563), (588, 30599), (605, 30632), (635, 30701),

Gene: DigitDog_30 Start: 28569, Stop: 30836, Start Num: 28

Candidate Starts for DigitDog_30:

(Start: 28 @28569 has 302 MA's), (36, 28617), (Start: 45 @28647 has 1 MA's), (50, 28665), (60, 28701), (65, 28722), (69, 28740), (83, 28803), (109, 28908), (141, 29031), (143, 29037), (167, 29136), (188, 29238), (197, 29292), (230, 29412), (236, 29427), (240, 29454), (284, 29640), (289, 29676), (300, 29718), (322, 29793), (340, 29844), (351, 29880), (363, 29943), (370, 29967), (379, 29994), (418, 30123), (425, 30147), (466, 30282), (468, 30291), (472, 30303), (486, 30345), (494, 30384), (495, 30387), (508, 30441), (511, 30453), (522, 30483), (527, 30501), (549, 30567), (577, 30684), (635, 30822),

Gene: Dingo_31 Start: 28743, Stop: 30998, Start Num: 28

Candidate Starts for Dingo_31:

(Start: 28 @28743 has 302 MA's), (50, 28839), (70, 28917), (73, 28944), (106, 29043), (141, 29202), (182, 29382), (187, 29406), (207, 29502), (217, 29538), (230, 29577), (234, 29586), (240, 29619), (248, 29658), (260, 29703), (275, 29754), (284, 29805), (285, 29814), (300, 29883), (322, 29958), (340, 30003), (344, 30018), (379, 30153), (393, 30207), (398, 30228), (413, 30261), (425, 30306),

(439, 30360), (448, 30387), (466, 30444), (472, 30465), (486, 30507), (494, 30546), (509, 30606), (525, 30657), (577, 30846), (588, 30882), (605, 30915), (635, 30984),

Gene: Dione_30 Start: 28465, Stop: 30720, Start Num: 28

Candidate Starts for Dione_30:

(Start: 28 @28465 has 302 MA's), (50, 28561), (70, 28639), (73, 28666), (106, 28765), (141, 28924), (182, 29104), (187, 29128), (205, 29218), (207, 29224), (217, 29260), (230, 29299), (234, 29308), (240, 29341), (248, 29380), (260, 29425), (275, 29476), (284, 29527), (285, 29536), (300, 29605), (322, 29680), (340, 29725), (344, 29740), (379, 29875), (393, 29929), (398, 29950), (413, 29983), (425, 30028), (439, 30082), (448, 30109), (466, 30166), (472, 30187), (486, 30229), (494, 30268), (509, 30328), (577, 30568), (588, 30604), (605, 30637), (635, 30706),

Gene: DirtJuice_31 Start: 28749, Stop: 31004, Start Num: 28

Candidate Starts for DirtJuice_31:

(Start: 28 @28749 has 302 MA's), (50, 28845), (70, 28923), (73, 28950), (106, 29049), (141, 29208), (182, 29388), (187, 29412), (207, 29508), (217, 29544), (230, 29583), (234, 29592), (240, 29625), (248, 29664), (260, 29709), (275, 29760), (284, 29811), (285, 29820), (300, 29889), (322, 29964), (340, 30009), (344, 30024), (379, 30159), (393, 30213), (398, 30234), (413, 30267), (425, 30312), (439, 30366), (448, 30393), (466, 30450), (472, 30471), (486, 30513), (494, 30552), (509, 30612), (577, 30852), (588, 30888), (605, 30921), (635, 30990),

Gene: DismalFunk_23 Start: 18661, Stop: 21000, Start Num: 16

Candidate Starts for DismalFunk_23:

(Start: 16 @18661 has 68 MA's), (63, 18832), (67, 18850), (72, 18874), (134, 19018), (142, 19051), (172, 19180), (175, 19189), (178, 19204), (181, 19216), (183, 19225), (194, 19273), (217, 19369), (222, 19387), (229, 19408), (240, 19453), (270, 19555), (286, 19627), (294, 19669), (295, 19675), (297, 19684), (318, 19771), (322, 19792), (335, 19834), (341, 19855), (373, 19972), (377, 19981), (402, 20071), (421, 20125), (423, 20137), (430, 20161), (459, 20275), (469, 20302), (487, 20359), (501, 20416), (535, 20548), (549, 20578), (562, 20629), (566, 20647), (574, 20677), (590, 20731), (606, 20761), (613, 20782), (670, 20914),

Gene: DismalStressor_23 Start: 18661, Stop: 21000, Start Num: 16

Candidate Starts for DismalStressor_23:

(Start: 16 @18661 has 68 MA's), (63, 18832), (67, 18850), (72, 18874), (134, 19018), (142, 19051), (172, 19180), (175, 19189), (178, 19204), (181, 19216), (183, 19225), (194, 19273), (217, 19369), (222, 19387), (229, 19408), (240, 19453), (270, 19555), (286, 19627), (294, 19669), (295, 19675), (297, 19684), (318, 19771), (322, 19792), (335, 19834), (341, 19855), (373, 19972), (377, 19981), (402, 20071), (421, 20125), (423, 20137), (430, 20161), (459, 20275), (469, 20302), (487, 20359), (501, 20416), (535, 20548), (549, 20578), (562, 20629), (566, 20647), (574, 20677), (590, 20731), (606, 20761), (613, 20782), (670, 20914),

Gene: Doddsville_31 Start: 28479, Stop: 30734, Start Num: 28

Candidate Starts for Doddsville_31:

(Start: 28 @28479 has 302 MA's), (50, 28575), (70, 28653), (73, 28680), (106, 28779), (141, 28938), (182, 29118), (187, 29142), (207, 29238), (217, 29274), (230, 29313), (234, 29322), (240, 29355), (248, 29394), (260, 29439), (275, 29490), (285, 29550), (300, 29619), (322, 29694), (340, 29739), (344, 29754), (379, 29889), (393, 29943), (398, 29964), (413, 29997), (425, 30042), (439, 30096), (448, 30123), (466, 30180), (472, 30201), (486, 30243), (494, 30282), (509, 30342), (577, 30582), (587, 30615), (588, 30618), (605, 30651), (635, 30720),

Gene: DoesntMatter_31 Start: 28745, Stop: 31000, Start Num: 28

Candidate Starts for DoesntMatter_31:

(Start: 28 @28745 has 302 MA's), (50, 28841), (70, 28919), (73, 28946), (106, 29045), (141, 29204), (182, 29384), (187, 29408), (205, 29498), (207, 29504), (217, 29540), (230, 29579), (234, 29588), (240, 29621), (248, 29660), (260, 29705), (275, 29756), (284, 29807), (285, 29816), (300, 29885), (322, 29960), (340, 30005), (344, 30020), (379, 30155), (393, 30209), (398, 30230), (413, 30263), (425, 30308), (439, 30362), (448, 30389), (466, 30446), (472, 30467), (486, 30509), (494, 30548), (509, 30608), (577, 30848), (587, 30881), (588, 30884), (605, 30917), (608, 30923), (635, 30986),

Gene: DonSanchon_30 Start: 28459, Stop: 30714, Start Num: 28

Candidate Starts for DonSanchon_30:

(Start: 28 @28459 has 302 MA's), (50, 28555), (70, 28633), (73, 28660), (106, 28759), (141, 28918), (182, 29098), (187, 29122), (205, 29212), (207, 29218), (217, 29254), (230, 29293), (234, 29302), (240, 29335), (248, 29374), (260, 29419), (275, 29470), (284, 29521), (285, 29530), (300, 29599), (322, 29674), (340, 29719), (344, 29734), (379, 29869), (393, 29923), (398, 29944), (413, 29977), (425, 30022), (439, 30076), (448, 30103), (466, 30160), (472, 30181), (486, 30223), (494, 30262), (509, 30322), (577, 30562), (588, 30598), (605, 30631), (635, 30700),

Gene: Donny_30 Start: 28983, Stop: 31259, Start Num: 28

Candidate Starts for Donny_30:

(Start: 28 @28983 has 302 MA's), (29, 28989), (36, 29031), (42, 29052), (Start: 45 @29061 has 1 MA's), (60, 29115), (65, 29136), (69, 29154), (70, 29157), (76, 29199), (79, 29205), (83, 29217), (106, 29286), (109, 29322), (141, 29445), (167, 29550), (197, 29706), (202, 29733), (213, 29784), (230, 29835), (236, 29850), (284, 30063), (289, 30099), (300, 30141), (322, 30216), (363, 30366), (370, 30390), (379, 30417), (398, 30492), (418, 30546), (466, 30705), (468, 30714), (472, 30726), (494, 30807), (495, 30810), (511, 30876), (527, 30924), (549, 30990), (577, 31107),

Gene: DuchessDung_29 Start: 27616, Stop: 29871, Start Num: 28

Candidate Starts for DuchessDung_29:

(Start: 28 @27616 has 302 MA's), (50, 27712), (70, 27790), (73, 27817), (106, 27916), (141, 28075), (182, 28255), (187, 28279), (207, 28375), (217, 28411), (230, 28450), (234, 28459), (240, 28492), (248, 28531), (260, 28576), (275, 28627), (284, 28678), (285, 28687), (300, 28756), (322, 28831), (340, 28876), (344, 28891), (379, 29026), (393, 29080), (398, 29101), (413, 29134), (425, 29179), (439, 29233), (448, 29260), (466, 29317), (472, 29338), (486, 29380), (494, 29419), (509, 29479), (577, 29719), (587, 29752), (588, 29755), (605, 29788), (608, 29794), (635, 29857),

Gene: Duggie_30 Start: 28481, Stop: 30736, Start Num: 28

Candidate Starts for Duggie_30:

(Start: 28 @28481 has 302 MA's), (50, 28577), (70, 28655), (73, 28682), (106, 28781), (141, 28940), (182, 29120), (187, 29144), (207, 29240), (217, 29276), (230, 29315), (234, 29324), (240, 29357), (248, 29396), (260, 29441), (275, 29492), (284, 29543), (285, 29552), (300, 29621), (322, 29696), (340, 29741), (344, 29756), (379, 29891), (393, 29945), (398, 29966), (413, 29999), (425, 30044), (439, 30098), (448, 30125), (466, 30182), (472, 30203), (486, 30245), (494, 30284), (509, 30344), (577, 30584), (588, 30620), (605, 30653), (635, 30722),

Gene: DuncansLeg_21 Start: 19709, Stop: 22222, Start Num: 11

Candidate Starts for DuncansLeg_21:

(Start: 11 @19709 has 16 MA's), (20, 19772), (37, 19841), (40, 19844), (81, 20012), (138, 20204), (146, 20234), (153, 20273), (161, 20303), (173, 20360), (179, 20390), (182, 20396), (192, 20450), (194, 20456), (229, 20603), (230, 20606), (234, 20615), (238, 20633), (250, 20693), (256, 20714), (266, 20765), (268, 20768), (277, 20795), (306, 20933), (317, 20990), (343, 21074), (349, 21092), (353, 21101), (366, 21164), (385, 21230), (400, 21284), (415, 21329), (421, 21344), (434, 21392), (455, 21482), (459, 21500), (476, 21545), (480, 21551), (487, 21584), (490, 21602), (501, 21641), (507, 21677), (521, 21722), (528, 21746), (534, 21767), (538, 21785), (552, 21818), (572, 21896), (581, 21932), (593, 21962), (628, 22037), (640, 22073), (661, 22136), (663, 22142),

Gene: Durga_31 Start: 28778, Stop: 31033, Start Num: 28

Candidate Starts for Durga_31:

(Start: 28 @28778 has 302 MA's), (50, 28874), (70, 28952), (73, 28979), (106, 29078), (141, 29237), (182, 29417), (187, 29441), (207, 29537), (217, 29573), (230, 29612), (234, 29621), (240, 29654), (248, 29693), (260, 29738), (275, 29789), (284, 29840), (285, 29849), (300, 29918), (322, 29993), (340, 30038), (344, 30053), (379, 30188), (393, 30242), (398, 30263), (413, 30296), (425, 30341), (439, 30395), (448, 30422), (466, 30479), (472, 30500), (486, 30542), (494, 30581), (509, 30641), (577, 30881), (588, 30917), (605, 30950), (635, 31019),

Gene: Dynamo_21 Start: 19047, Stop: 21686, Start Num: 7

Candidate Starts for Dynamo_21:

(Start: 7 @19047 has 9 MA's), (9, 19056), (40, 19200), (114, 19473), (116, 19482), (118, 19485), (123, 19506), (127, 19518), (130, 19527), (135, 19551), (147, 19605), (164, 19683), (171, 19713), (178, 19749), (183, 19770), (186, 19785), (195, 19827), (202, 19860), (222, 19935), (229, 19959), (231, 19965), (236, 19977), (242, 20019), (243, 20025), (263, 20112), (289, 20244), (293, 20262), (305, 20295), (310, 20322), (320, 20373), (365, 20583), (384, 20649), (396, 20685), (421, 20784), (423, 20796), (439, 20859), (484, 21021), (489, 21036), (501, 21087), (530, 21204), (542, 21249), (558, 21291), (566, 21327), (579, 21381), (604, 21429), (660, 21573), (676, 21630), (684, 21669), (687, 21678),

Gene: EastView9101_29 Start: 28633, Stop: 30909, Start Num: 28

Candidate Starts for EastView9101_29:

(Start: 28 @28633 has 302 MA's), (29, 28639), (36, 28681), (42, 28702), (Start: 45 @28711 has 1 MA's), (60, 28765), (65, 28786), (69, 28804), (70, 28807), (76, 28849), (79, 28855), (83, 28867), (106, 28936), (109, 28972), (141, 29095), (167, 29200), (197, 29356), (202, 29383), (213, 29434), (230, 29485), (236, 29500), (284, 29713), (289, 29749), (300, 29791), (322, 29866), (363, 30016), (370, 30040), (379, 30067), (398, 30142), (418, 30196), (466, 30355), (468, 30364), (472, 30376), (494, 30457), (495, 30460), (511, 30526), (527, 30574), (549, 30640), (577, 30757),

Gene: Ekdilam_24 Start: 21084, Stop: 23462, Start Num: 16

Candidate Starts for Ekdilam_24:

(Start: 16 @21084 has 68 MA's), (18, 21093), (Start: 31 @21132 has 1 MA's), (63, 21255), (80, 21324), (137, 21444), (174, 21612), (183, 21654), (195, 21705), (207, 21747), (208, 21750), (210, 21771), (231, 21837), (253, 21933), (276, 22029), (284, 22077), (297, 22146), (319, 22215), (329, 22254), (339, 22284), (379, 22428), (419, 22563), (420, 22566), (421, 22569), (432, 22608), (445, 22662), (459, 22725), (483, 22803), (484, 22809), (489, 22824), (490, 22836), (497, 22866), (516, 22953), (520, 22959), (554, 23064), (560, 23088), (565, 23109), (578, 23163), (588, 23193), (607, 23223), (646, 23304), (653, 23325), (654, 23328), (685, 23436),

Gene: Ellie_24 Start: 21059, Stop: 23461, Start Num: 16

Candidate Starts for Ellie_24:

(Start: 16 @21059 has 68 MA's), (24, 21089), (Start: 31 @21107 has 1 MA's), (52, 21191), (121, 21365), (152, 21497), (174, 21587), (183, 21629), (195, 21680), (207, 21722), (208, 21725), (222, 21782), (229, 21806), (231, 21812), (240, 21851), (253, 21908), (276, 22004), (297, 22121), (319, 22190), (329, 22229), (339, 22259), (352, 22301), (379, 22403), (419, 22538), (420, 22541), (421, 22544), (432, 22583), (445, 22637), (483, 22775), (484, 22781), (489, 22796), (490, 22808), (497, 22838), (516, 22925), (520, 22931), (532, 22973), (565, 23081), (578, 23135), (615, 23231), (616, 23237), (626, 23255), (641, 23291), (644, 23294), (648, 23303), (653, 23327), (659, 23354),

Gene: Ellson_21 Start: 19717, Stop: 22227, Start Num: 11

Candidate Starts for Ellson_21:

(Start: 11 @19717 has 16 MA's), (20, 19780), (53, 19900), (99, 20086), (138, 20212), (141, 20224), (146, 20242), (153, 20281), (161, 20311), (179, 20398), (192, 20458), (194, 20464), (228, 20605), (230, 20611), (234, 20620), (238, 20638), (250, 20698), (256, 20719), (266, 20770), (268, 20773), (283, 20842), (317, 20995), (343, 21079), (349, 21097), (353, 21106), (382, 21217), (385, 21235), (400, 21289), (415, 21334), (421, 21349), (434, 21397), (455, 21487), (459, 21505), (480, 21556), (487, 21589), (490, 21607), (501, 21646), (507, 21682), (521, 21727), (528, 21751), (534, 21772), (538, 21790), (552, 21823), (553, 21826), (566, 21877), (583, 21943), (593, 21967), (628, 22042), (640, 22078), (663, 22147),

Gene: ElvisPhasley_31 Start: 28797, Stop: 31055, Start Num: 28

Candidate Starts for ElvisPhasley_31:

(Start: 28 @28797 has 302 MA's), (50, 28893), (70, 28971), (73, 28998), (106, 29100), (141, 29259), (182, 29439), (187, 29463), (189, 29475), (207, 29559), (217, 29595), (230, 29634), (234, 29643), (240, 29676), (248, 29715), (260, 29760), (275, 29811), (284, 29862), (285, 29871), (300, 29940), (322, 30015), (340, 30060), (344, 30075), (379, 30210), (393, 30264), (398, 30285), (413, 30318), (425, 30363), (439, 30417), (448, 30444), (466, 30501), (472, 30522), (486, 30564), (494, 30603), (509, 30663), (577, 30903), (588, 30939), (605, 30972), (635, 31041),

Gene: Emiris_31 Start: 28749, Stop: 31004, Start Num: 28

Candidate Starts for Emiris_31:

(Start: 28 @28749 has 302 MA's), (50, 28845), (70, 28923), (73, 28950), (106, 29049), (141, 29208), (182, 29388), (187, 29412), (205, 29502), (207, 29508), (217, 29544), (230, 29583), (234, 29592), (240, 29625), (248, 29664), (260, 29709), (275, 29760), (284, 29811), (285, 29820), (300, 29889), (322, 29964), (340, 30009), (344, 30024), (379, 30159), (393, 30213), (398, 30234), (413, 30267), (425, 30312), (439, 30366), (448, 30393), (466, 30450), (472, 30471), (486, 30513), (494, 30552), (509, 30612), (577, 30852), (588, 30888), (605, 30921), (635, 30990),

Gene: EmpTee_31 Start: 28759, Stop: 31014, Start Num: 28

Candidate Starts for EmpTee_31:

(Start: 28 @28759 has 302 MA's), (50, 28855), (70, 28933), (73, 28960), (106, 29059), (141, 29218), (182, 29398), (187, 29422), (205, 29512), (207, 29518), (217, 29554), (230, 29593), (234, 29602), (240, 29635), (248, 29674), (260, 29719), (275, 29770), (284, 29821), (285, 29830), (300, 29899), (322, 29974), (340, 30019), (344, 30034), (379, 30169), (393, 30223), (398, 30244), (413, 30277), (425, 30322), (439, 30376), (466, 30460), (472, 30481), (486, 30523), (494, 30562), (509, 30622), (577, 30862), (587, 30895), (588, 30898), (605, 30931), (635, 31000),

Gene: Enkosi_23 Start: 20414, Stop: 22900, Start Num: 16

Candidate Starts for Enkosi_23:

(Start: 16 @20414 has 68 MA's), (Start: 31 @20462 has 1 MA's), (77, 20642), (78, 20645), (119, 20708), (121, 20720), (152, 20852), (163, 20891), (175, 20948), (180, 20972), (183, 20984), (194, 21032), (195, 21035), (203, 21068), (211, 21107), (222, 21140), (226, 21152), (229, 21161), (231, 21167), (245, 21233), (249, 21248), (276, 21359), (281, 21392), (297, 21476), (303, 21491), (318, 21551), (338, 21620), (361, 21740), (385, 21833), (417, 21947), (438, 22025), (439, 22031), (445, 22055), (458, 22118), (459, 22121), (462, 22133), (483, 22199), (484, 22205), (493, 22247), (497, 22268), (501, 22277), (506, 22310), (510, 22328), (530, 22397), (560, 22496), (562, 22502), (566, 22520), (578, 22574), (583, 22589), (595, 22616), (624, 22673),

Gene: Epah_27 Start: 27941, Stop: 30238, Start Num: 28

Candidate Starts for Epah_27:

(Start: 28 @27941 has 302 MA's), (50, 28040), (73, 28145), (83, 28181), (106, 28244), (120, 28325), (138, 28391), (141, 28403), (167, 28508), (174, 28547), (185, 28598), (187, 28607), (201, 28688), (202, 28691), (217, 28754), (231, 28796), (236, 28808), (261, 28931), (269, 28955), (283, 29018), (288, 29048), (289, 29057), (310, 29129), (315, 29150), (322, 29186), (328, 29207), (351, 29273),

(356, 29285), (363, 29336), (364, 29339), (369, 29357), (376, 29381), (384, 29408), (393, 29441), (398, 29462), (413, 29495), (425, 29540), (467, 29681), (468, 29684), (472, 29696), (495, 29780), (533, 29915), (540, 29939), (558, 30002), (564, 30032), (567, 30038), (577, 30086), (587, 30119), (588, 30122), (635, 30224), (636, 30227),

Gene: Eremos_31 Start: 28758, Stop: 31013, Start Num: 28

Candidate Starts for Eremos_31:

(Start: 28 @28758 has 302 MA's), (50, 28854), (70, 28932), (73, 28959), (106, 29058), (141, 29217), (182, 29397), (187, 29421), (205, 29511), (207, 29517), (217, 29553), (230, 29592), (240, 29634), (248, 29673), (260, 29718), (275, 29769), (284, 29820), (285, 29829), (300, 29898), (322, 29973), (340, 30018), (344, 30033), (379, 30168), (393, 30222), (398, 30243), (413, 30276), (425, 30321), (439, 30375), (466, 30459), (472, 30480), (486, 30522), (494, 30561), (509, 30621), (577, 30861), (587, 30894), (588, 30897), (605, 30930), (608, 30936), (635, 30999),

Gene: Etaye_31 Start: 28748, Stop: 31003, Start Num: 28

Candidate Starts for Etaye_31:

(Start: 28 @28748 has 302 MA's), (50, 28844), (70, 28922), (73, 28949), (106, 29048), (141, 29207), (182, 29387), (187, 29411), (207, 29507), (217, 29543), (230, 29582), (234, 29591), (240, 29624), (248, 29663), (260, 29708), (275, 29759), (284, 29810), (285, 29819), (300, 29888), (322, 29963), (340, 30008), (344, 30023), (379, 30158), (393, 30212), (398, 30233), (413, 30266), (425, 30311), (439, 30365), (448, 30392), (466, 30449), (472, 30470), (486, 30512), (494, 30551), (509, 30611), (577, 30851), (588, 30887), (605, 30920), (635, 30989),

Gene: Eugenia_31 Start: 28768, Stop: 31023, Start Num: 28

Candidate Starts for Eugenia_31:

(Start: 28 @28768 has 302 MA's), (50, 28864), (70, 28942), (73, 28969), (106, 29068), (141, 29227), (182, 29407), (187, 29431), (205, 29521), (207, 29527), (217, 29563), (230, 29602), (234, 29611), (240, 29644), (248, 29683), (260, 29728), (275, 29779), (284, 29830), (285, 29839), (300, 29908), (322, 29983), (340, 30028), (344, 30043), (379, 30178), (393, 30232), (398, 30253), (413, 30286), (425, 30331), (439, 30385), (448, 30412), (466, 30469), (472, 30490), (486, 30532), (494, 30571), (509, 30631), (577, 30871), (588, 30907), (605, 30940), (635, 31009),

Gene: EvilGenius_33 Start: 23186, Stop: 25663, Start Num: 16

Candidate Starts for EvilGenius_33:

(Start: 16 @23186 has 68 MA's), (22, 23207), (47, 23297), (72, 23396), (84, 23444), (90, 23465), (127, 23576), (184, 23822), (189, 23849), (191, 23864), (207, 23939), (241, 24080), (259, 24152), (283, 24254), (330, 24464), (349, 24527), (378, 24638), (380, 24641), (395, 24698), (415, 24764), (416, 24767), (421, 24779), (428, 24821), (439, 24863), (454, 24920), (487, 25025), (491, 25046), (501, 25085), (546, 25235), (549, 25241), (563, 25295), (565, 25307), (569, 25316), (573, 25337), (598, 25406), (639, 25505), (652, 25532), (653, 25535), (667, 25589), (678, 25616),

Gene: FF47_24 Start: 19326, Stop: 21644, Start Num: 19

Candidate Starts for FF47_24:

(Start: 19 @19326 has 2 MA's), (72, 19527), (82, 19572), (85, 19584), (121, 19695), (142, 19761), (174, 19902), (199, 20034), (210, 20073), (214, 20085), (226, 20124), (232, 20142), (240, 20178), (255, 20238), (275, 20313), (280, 20340), (292, 20403), (309, 20460), (379, 20655), (400, 20724), (408, 20742), (410, 20748), (411, 20751), (412, 20754), (443, 20871), (446, 20877), (467, 20955), (486, 21003), (487, 21006), (504, 21084), (516, 21135), (523, 21150), (526, 21162), (549, 21225), (554, 21246), (559, 21267), (574, 21324), (578, 21345), (593, 21384), (612, 21426), (628, 21459), (633, 21465), (635, 21480), (663, 21564),

Gene: Fanaw_27 Start: 28636, Stop: 30933, Start Num: 28

Candidate Starts for Fanaw_27:

(Start: 1 @27949 has 1 MA's), (2, 28096), (Start: 28 @28636 has 302 MA's), (50, 28735), (55, 28753), (106, 28939), (120, 29020), (138, 29086), (167, 29203), (174, 29242), (185, 29293), (201, 29383), (202, 29386), (217, 29449), (229, 29485), (231, 29491), (236, 29503), (261, 29626), (269, 29650), (283, 29713), (289, 29752), (310, 29824), (315, 29845), (322, 29881), (328, 29902), (351, 29968), (356, 29980), (363, 30031), (364, 30034), (369, 30052), (376, 30076), (384, 30103), (393, 30136), (398, 30157), (413, 30190), (425, 30235), (467, 30376), (468, 30379), (472, 30391), (495, 30475), (527, 30589), (533, 30610), (540, 30634), (558, 30697), (564, 30727), (567, 30733), (577, 30781), (587, 30814), (588, 30817), (635, 30919), (636, 30922),

Gene: Fang_31 Start: 28772, Stop: 31027, Start Num: 28

Candidate Starts for Fang_31:

(Start: 28 @28772 has 302 MA's), (50, 28868), (70, 28946), (73, 28973), (106, 29072), (141, 29231), (182, 29411), (187, 29435), (205, 29525), (207, 29531), (217, 29567), (230, 29606), (234, 29615), (240, 29648), (248, 29687), (260, 29732), (275, 29783), (284, 29834), (285, 29843), (300, 29912), (322, 29987), (340, 30032), (344, 30047), (379, 30182), (393, 30236), (398, 30257), (413, 30290), (425, 30335), (439, 30389), (448, 30416), (466, 30473), (472, 30494), (486, 30536), (494, 30575), (509, 30635), (577, 30875), (588, 30911), (605, 30944), (635, 31013),

Gene: Fefferhead_26 Start: 21226, Stop: 23613, Start Num: 16

Candidate Starts for Fefferhead_26:

(Start: 16 @21226 has 68 MA's), (24, 21256), (Start: 31 @21274 has 1 MA's), (52, 21358), (121, 21532), (152, 21664), (174, 21754), (183, 21796), (195, 21847), (207, 21889), (208, 21892), (222, 21949), (229, 21973), (231, 21979), (240, 22018), (253, 22075), (276, 22171), (297, 22288), (319, 22357), (329, 22396), (332, 22405), (339, 22426), (352, 22468), (379, 22570), (419, 22705), (420, 22708), (421, 22711), (432, 22750), (445, 22804), (490, 22978), (516, 23095), (520, 23101), (553, 23203), (579, 23308), (581, 23314), (602, 23362), (646, 23455), (653, 23479), (660, 23509), (685, 23587),

Gene: Findley_23 Start: 18661, Stop: 21000, Start Num: 16

Candidate Starts for Findley_23:

(Start: 16 @18661 has 68 MA's), (63, 18832), (67, 18850), (77, 18901), (134, 19018), (142, 19051), (172, 19180), (175, 19189), (178, 19204), (181, 19216), (183, 19225), (194, 19273), (217, 19369), (222, 19387), (229, 19408), (240, 19453), (270, 19555), (286, 19627), (294, 19669), (295, 19675), (297, 19684), (318, 19771), (322, 19792), (335, 19834), (341, 19855), (373, 19972), (377, 19981), (387, 20017), (402, 20071), (421, 20125), (423, 20137), (430, 20161), (455, 20257), (459, 20275), (469, 20302), (487, 20359), (501, 20416), (535, 20548), (549, 20578), (562, 20629), (566, 20647), (574, 20677), (590, 20731), (606, 20761), (613, 20782), (670, 20914),

Gene: Finny_21 Start: 19728, Stop: 22241, Start Num: 11

Candidate Starts for Finny_21:

(Start: 11 @19728 has 16 MA's), (20, 19791), (40, 19863), (64, 19953), (66, 19959), (81, 20031), (138, 20223), (141, 20235), (146, 20253), (153, 20292), (161, 20322), (173, 20379), (179, 20409), (182, 20415), (192, 20469), (194, 20475), (229, 20622), (230, 20625), (234, 20634), (238, 20652), (250, 20712), (253, 20721), (256, 20733), (266, 20784), (268, 20787), (306, 20952), (317, 21009), (343, 21093), (349, 21111), (353, 21120), (366, 21183), (400, 21303), (415, 21348), (421, 21363), (425, 21381), (434, 21411), (455, 21501), (480, 21570), (487, 21603), (491, 21624), (501, 21660), (507, 21696), (521, 21741), (528, 21765), (530, 21771), (534, 21786), (538, 21804), (552, 21837), (566, 21891), (572, 21915), (581, 21951), (583, 21957), (593, 21981), (659, 22146), (661, 22155), (663, 22161),

Gene: Fionnbharth_28 Start: 22273, Stop: 24582, Start Num: 16

Candidate Starts for Fionnbharth_28:

(Start: 16 @22273 has 68 MA's), (38, 22363), (43, 22384), (50, 22408), (82, 22525), (140, 22654), (150, 22714), (169, 22786), (171, 22795), (184, 22846), (185, 22852), (187, 22861), (222, 22912), (226, 22924), (231, 22939), (234, 22945), (240, 22978), (251, 23026), (270, 23080), (286, 23152), (293, 23191), (296, 23203), (302, 23218), (313, 23263), (327, 23332), (354, 23413), (390, 23566), (404, 23608), (435, 23737), (445, 23782), (459, 23848), (464, 23863), (491, 23959), (530, 24112), (534, 24127), (535, 24133), (541, 24157), (544, 24163), (547, 24169), (548, 24172), (554, 24196), (558, 24208), (580, 24304), (605, 24355), (606, 24358), (638, 24427), (654, 24463), (661, 24496), (681, 24550), (683, 24559), (687, 24574),

Gene: FluffyNinja_31 Start: 28765, Stop: 31020, Start Num: 28

Candidate Starts for FluffyNinja_31:

(Start: 28 @28765 has 302 MA's), (50, 28861), (70, 28939), (73, 28966), (106, 29065), (141, 29224), (182, 29404), (187, 29428), (205, 29518), (207, 29524), (217, 29560), (230, 29599), (234, 29608), (240, 29641), (248, 29680), (260, 29725), (275, 29776), (284, 29827), (285, 29836), (300, 29905), (322, 29980), (340, 30025), (344, 30040), (379, 30175), (393, 30229), (398, 30250), (413, 30283), (425, 30328), (439, 30382), (466, 30466), (472, 30487), (486, 30529), (494, 30568), (509, 30628), (577, 30868), (587, 30901), (588, 30904), (605, 30937), (608, 30943), (635, 31006),

Gene: Fortunato_28 Start: 28277, Stop: 31261, Start Num: 1

Candidate Starts for Fortunato_28:

(Start: 1 @28277 has 1 MA's), (2, 28424), (Start: 28 @28964 has 302 MA's), (50, 29063), (55, 29081), (73, 29168), (83, 29204), (106, 29267), (120, 29348), (138, 29414), (167, 29531), (174, 29570), (185, 29621), (187, 29630), (197, 29687), (201, 29711), (202, 29714), (217, 29777), (231, 29819), (236, 29831), (261, 29954), (269, 29978), (283, 30041), (310, 30152), (315, 30173), (322, 30209), (328, 30230), (351, 30296), (356, 30308), (363, 30359), (364, 30362), (369, 30380), (376, 30404), (384, 30431), (393, 30464), (398, 30485), (413, 30518), (425, 30563), (467, 30704), (468, 30707), (472, 30719), (495, 30803), (527, 30917), (533, 30938), (540, 30962), (558, 31025), (564, 31055), (567, 31061), (577, 31109), (587, 31142), (588, 31145), (635, 31247), (636, 31250),

Gene: Fozzie_30 Start: 28774, Stop: 31035, Start Num: 28

Candidate Starts for Fozzie_30:

(Start: 28 @28774 has 302 MA's), (50, 28870), (70, 28948), (73, 28975), (94, 29050), (106, 29080), (141, 29239), (182, 29419), (187, 29443), (207, 29539), (217, 29575), (230, 29614), (234, 29623), (240, 29656), (248, 29695), (260, 29740), (275, 29791), (285, 29851), (300, 29920), (322, 29995), (340, 30040), (344, 30055), (379, 30190), (393, 30244), (398, 30265), (413, 30298), (425, 30343), (439, 30397), (448, 30424), (466, 30481), (472, 30502), (486, 30544), (494, 30583), (509, 30643), (577, 30883), (588, 30919), (605, 30952), (635, 31021),

Gene: Frankicide_31 Start: 28777, Stop: 31032, Start Num: 28

Candidate Starts for Frankicide_31:

(Start: 28 @28777 has 302 MA's), (50, 28873), (70, 28951), (73, 28978), (106, 29077), (141, 29236), (182, 29416), (187, 29440), (207, 29536), (217, 29572), (230, 29611), (234, 29620), (240, 29653), (248, 29692), (260, 29737), (275, 29788), (284, 29839), (285, 29848), (300, 29917), (322, 29992), (340, 30037), (344, 30052), (379, 30187), (393, 30241), (398, 30262), (413, 30295), (425, 30340), (439, 30394), (448, 30421), (466, 30478), (472, 30499), (486, 30541), (494, 30580), (509, 30640), (577, 30880), (587, 30913), (588, 30916), (605, 30949), (608, 30955), (635, 31018),

Gene: Frederick_28 Start: 28973, Stop: 31270, Start Num: 28

Candidate Starts for Frederick_28:

(Start: 28 @28973 has 302 MA's), (50, 29072), (55, 29090), (83, 29213), (106, 29276), (120, 29357), (138, 29423), (167, 29540), (174, 29579), (185, 29630), (187, 29639), (197, 29696), (201, 29720), (202, 29723), (217, 29786), (231, 29828), (236, 29840), (260, 29951), (269, 29987), (283, 30050), (310, 30161), (315, 30182), (322, 30218), (328, 30239), (351, 30305), (356, 30317), (363, 30368),

(364, 30371), (369, 30389), (376, 30413), (384, 30440), (393, 30473), (398, 30494), (413, 30527), (425, 30572), (467, 30713), (468, 30716), (469, 30719), (472, 30728), (495, 30812), (527, 30926), (533, 30947), (540, 30971), (558, 31034), (564, 31064), (567, 31070), (577, 31118), (587, 31151), (588, 31154), (635, 31256), (636, 31259),

Gene: Freya_30 Start: 28456, Stop: 30711, Start Num: 28

Candidate Starts for Freya_30:

(Start: 28 @28456 has 302 MA's), (50, 28552), (70, 28630), (73, 28657), (106, 28756), (141, 28915), (182, 29095), (187, 29119), (205, 29209), (207, 29215), (217, 29251), (230, 29290), (234, 29299), (240, 29332), (248, 29371), (260, 29416), (275, 29467), (284, 29518), (285, 29527), (300, 29596), (340, 29716), (344, 29731), (379, 29866), (393, 29920), (398, 29941), (413, 29974), (425, 30019), (439, 30073), (448, 30100), (466, 30157), (472, 30178), (486, 30220), (494, 30259), (509, 30319), (577, 30559), (587, 30592), (588, 30595), (605, 30628), (608, 30634), (635, 30697),

Gene: FriarPreacher_31 Start: 28783, Stop: 31038, Start Num: 28

Candidate Starts for FriarPreacher_31:

(Start: 28 @28783 has 302 MA's), (50, 28879), (70, 28957), (73, 28984), (106, 29083), (141, 29242), (182, 29422), (187, 29446), (205, 29536), (207, 29542), (217, 29578), (230, 29617), (234, 29626), (240, 29659), (248, 29698), (260, 29743), (275, 29794), (284, 29845), (285, 29854), (300, 29923), (322, 29998), (340, 30043), (344, 30058), (379, 30193), (393, 30247), (398, 30268), (413, 30301), (425, 30346), (439, 30400), (448, 30427), (466, 30484), (472, 30505), (486, 30547), (494, 30586), (509, 30646), (577, 30886), (587, 30919), (588, 30922), (605, 30955), (608, 30961), (635, 31024),

Gene: Fringe_31 Start: 28747, Stop: 31002, Start Num: 28

Candidate Starts for Fringe_31:

(Start: 28 @28747 has 302 MA's), (50, 28843), (70, 28921), (73, 28948), (106, 29047), (141, 29206), (182, 29386), (187, 29410), (205, 29500), (207, 29506), (217, 29542), (230, 29581), (234, 29590), (240, 29623), (248, 29662), (260, 29707), (275, 29758), (284, 29809), (285, 29818), (300, 29887), (322, 29962), (340, 30007), (344, 30022), (379, 30157), (393, 30211), (398, 30232), (413, 30265), (425, 30310), (439, 30364), (448, 30391), (466, 30448), (472, 30469), (486, 30511), (494, 30550), (509, 30610), (577, 30850), (587, 30883), (588, 30886), (605, 30919), (608, 30925), (635, 30988),

Gene: FugateOSU_30 Start: 28461, Stop: 30716, Start Num: 28

Candidate Starts for FugateOSU_30:

(Start: 28 @28461 has 302 MA's), (50, 28557), (70, 28635), (73, 28662), (106, 28761), (141, 28920), (182, 29100), (187, 29124), (205, 29214), (207, 29220), (217, 29256), (230, 29295), (234, 29304), (240, 29337), (248, 29376), (260, 29421), (275, 29472), (284, 29523), (285, 29532), (300, 29601), (322, 29676), (340, 29721), (344, 29736), (379, 29871), (393, 29925), (398, 29946), (413, 29979), (425, 30024), (439, 30078), (448, 30105), (466, 30162), (472, 30183), (486, 30225), (494, 30264), (509, 30324), (577, 30564), (587, 30597), (588, 30600), (605, 30633), (608, 30639), (635, 30702),

Gene: Fulbright_20 Start: 17553, Stop: 20198, Start Num: 7

Candidate Starts for Fulbright_20:

(Start: 5 @17541 has 1 MA's), (Start: 7 @17553 has 9 MA's), (10, 17565), (12, 17577), (21, 17631), (Start: 39 @17700 has 1 MA's), (40, 17703), (41, 17712), (46, 17727), (91, 17904), (114, 17985), (116, 17994), (165, 18198), (175, 18246), (178, 18261), (183, 18282), (187, 18300), (190, 18324), (195, 18339), (196, 18348), (202, 18375), (204, 18381), (222, 18450), (229, 18471), (231, 18477), (235, 18486), (239, 18513), (242, 18531), (263, 18624), (271, 18645), (289, 18756), (293, 18774), (305, 18807), (320, 18885), (348, 18990), (358, 19032), (409, 19251), (419, 19290), (420, 19293), (423, 19308), (439, 19371), (453, 19419), (484, 19533), (491, 19563), (497, 19590), (501, 19599), (530, 19716), (542, 19761), (558, 19803), (574, 19869), (579, 19893), (604, 19941), (605, 19947), (607, 19953), (612, 19968), (651, 20052), (661, 20091), (684, 20181), (687, 20190),

Gene: Gadget_32 Start: 28620, Stop: 30848, Start Num: 27

Candidate Starts for Gadget_32:

(Start: 27 @28620 has 45 MA's), (Start: 31 @28635 has 1 MA's), (40, 28680), (55, 28737), (74, 28815), (96, 28884), (106, 28896), (112, 28938), (121, 28974), (130, 29001), (133, 29013), (139, 29040), (159, 29130), (175, 29202), (194, 29286), (220, 29394), (226, 29415), (248, 29508), (253, 29523), (283, 29652), (300, 29733), (322, 29808), (337, 29850), (340, 29856), (351, 29892), (379, 30006), (383, 30018), (393, 30060), (398, 30081), (418, 30135), (425, 30159), (466, 30294), (468, 30303), (486, 30357), (511, 30465), (521, 30492), (533, 30534), (557, 30606), (577, 30696), (588, 30732),

Gene: Gareth_30 Start: 28463, Stop: 30718, Start Num: 28

Candidate Starts for Gareth_30:

(Start: 28 @28463 has 302 MA's), (50, 28559), (70, 28637), (73, 28664), (106, 28763), (141, 28922), (182, 29102), (187, 29126), (205, 29216), (207, 29222), (217, 29258), (230, 29297), (234, 29306), (240, 29339), (248, 29378), (260, 29423), (275, 29474), (284, 29525), (285, 29534), (300, 29603), (322, 29678), (340, 29723), (344, 29738), (379, 29873), (393, 29927), (398, 29948), (413, 29981), (425, 30026), (439, 30080), (448, 30107), (466, 30164), (472, 30185), (486, 30227), (494, 30266), (509, 30326), (577, 30566), (587, 30599), (588, 30602), (605, 30635), (608, 30641), (635, 30704),

Gene: Gavriela_21 Start: 18926, Stop: 21559, Start Num: 6

Candidate Starts for Gavriela_21:

(Start: 6 @18926 has 7 MA's), (8, 18935), (40, 19079), (114, 19352), (118, 19364), (123, 19385), (131, 19409), (147, 19484), (164, 19556), (171, 19586), (178, 19622), (190, 19685), (195, 19700), (200, 19727), (202, 19733), (222, 19808), (229, 19832), (231, 19838), (236, 19850), (242, 19892), (243, 19898), (263, 19985), (271, 20006), (276, 20030), (287, 20096), (289, 20117), (293, 20135), (305, 20168), (309, 20192), (310, 20195), (320, 20246), (348, 20351), (358, 20393), (396, 20558), (420, 20654), (439, 20732), (444, 20744), (466, 20834), (484, 20894), (487, 20903), (497, 20951), (501, 20960), (530, 21077), (542, 21122), (558, 21164), (574, 21230), (579, 21254), (604, 21302), (605, 21308), (607, 21314), (651, 21413), (655, 21422), (661, 21452), (684, 21542), (687, 21551),

Gene: GeneCoco_31 Start: 28773, Stop: 31028, Start Num: 28

Candidate Starts for GeneCoco_31:

(Start: 28 @28773 has 302 MA's), (50, 28869), (70, 28947), (73, 28974), (106, 29073), (141, 29232), (182, 29412), (187, 29436), (207, 29532), (217, 29568), (230, 29607), (234, 29616), (240, 29649), (248, 29688), (260, 29733), (275, 29784), (284, 29835), (285, 29844), (300, 29913), (322, 29988), (340, 30033), (344, 30048), (379, 30183), (393, 30237), (398, 30258), (413, 30291), (425, 30336), (439, 30390), (448, 30417), (466, 30474), (472, 30495), (486, 30537), (494, 30576), (509, 30636), (577, 30876), (588, 30912), (605, 30945), (635, 31014),

Gene: Gervas_31 Start: 28594, Stop: 30819, Start Num: 27

Candidate Starts for Gervas_31:

(Start: 27 @28594 has 45 MA's), (40, 28654), (55, 28711), (96, 28858), (106, 28870), (112, 28912), (121, 28948), (130, 28975), (133, 28987), (139, 29014), (159, 29104), (175, 29176), (194, 29260), (220, 29368), (226, 29389), (248, 29482), (253, 29497), (283, 29626), (300, 29707), (322, 29782), (337, 29824), (340, 29830), (351, 29866), (379, 29980), (383, 29992), (393, 30034), (398, 30055), (418, 30109), (425, 30133), (435, 30169), (466, 30265), (468, 30274), (486, 30328), (511, 30436), (521, 30463), (533, 30505), (557, 30577), (577, 30667), (588, 30703),

Gene: GinPorsche_27 Start: 27941, Stop: 30238, Start Num: 28

Candidate Starts for GinPorsche_27:

(Start: 28 @27941 has 302 MA's), (50, 28040), (73, 28145), (83, 28181), (106, 28244), (120, 28325), (138, 28391), (141, 28403), (167, 28508), (174, 28547), (185, 28598), (187, 28607), (201, 28688), (202, 28691), (217, 28754), (231, 28796), (236, 28808), (261, 28931), (269, 28955), (283, 29018), (288, 29048), (289, 29057), (310, 29129), (315, 29150), (322, 29186), (328, 29207), (351, 29273),

(356, 29285), (363, 29336), (364, 29339), (369, 29357), (376, 29381), (384, 29408), (393, 29441), (398, 29462), (413, 29495), (425, 29540), (467, 29681), (468, 29684), (472, 29696), (495, 29780), (533, 29915), (540, 29939), (558, 30002), (564, 30032), (567, 30038), (577, 30086), (587, 30119), (588, 30122), (635, 30224), (636, 30227),

Gene: Giraffe_31 Start: 28467, Stop: 30722, Start Num: 28

Candidate Starts for Giraffe_31:

(Start: 28 @28467 has 302 MA's), (50, 28563), (70, 28641), (73, 28668), (106, 28767), (141, 28926), (182, 29106), (187, 29130), (205, 29220), (207, 29226), (217, 29262), (230, 29301), (234, 29310), (240, 29343), (248, 29382), (260, 29427), (275, 29478), (284, 29529), (285, 29538), (300, 29607), (322, 29682), (340, 29727), (344, 29742), (379, 29877), (393, 29931), (398, 29952), (413, 29985), (425, 30030), (439, 30084), (448, 30111), (466, 30168), (472, 30189), (486, 30231), (494, 30270), (509, 30330), (577, 30570), (587, 30603), (588, 30606), (605, 30639), (608, 30645), (635, 30708),

Gene: Glaske_21 Start: 18926, Stop: 21559, Start Num: 6

Candidate Starts for Glaske_21:

(Start: 6 @18926 has 7 MA's), (8, 18935), (40, 19079), (114, 19352), (118, 19364), (123, 19385), (131, 19409), (147, 19484), (164, 19556), (171, 19586), (178, 19622), (190, 19685), (195, 19700), (200, 19727), (202, 19733), (222, 19808), (229, 19832), (231, 19838), (236, 19850), (242, 19892), (243, 19898), (263, 19985), (271, 20006), (276, 20030), (287, 20096), (289, 20117), (293, 20135), (305, 20168), (309, 20192), (310, 20195), (320, 20246), (348, 20351), (358, 20393), (396, 20558), (420, 20654), (439, 20732), (444, 20744), (466, 20834), (484, 20894), (487, 20903), (497, 20951), (501, 20960), (530, 21077), (542, 21122), (558, 21164), (574, 21230), (579, 21254), (604, 21302), (605, 21308), (607, 21314), (651, 21413), (655, 21422), (661, 21452), (684, 21542), (687, 21551),

Gene: GlenHope_32 Start: 28606, Stop: 30831, Start Num: 27

Candidate Starts for GlenHope_32:

(Start: 27 @28606 has 45 MA's), (Start: 31 @28621 has 1 MA's), (40, 28666), (55, 28723), (74, 28801), (96, 28870), (106, 28882), (112, 28924), (121, 28960), (130, 28987), (133, 28999), (139, 29026), (159, 29116), (175, 29188), (194, 29272), (220, 29380), (226, 29401), (248, 29494), (253, 29509), (283, 29638), (300, 29719), (322, 29794), (337, 29836), (340, 29842), (351, 29878), (363, 29941), (379, 29992), (383, 30004), (393, 30046), (398, 30067), (418, 30121), (425, 30145), (435, 30181), (466, 30277), (468, 30286), (486, 30340), (511, 30448), (521, 30475), (533, 30517), (557, 30589), (577, 30679), (588, 30715),

Gene: Glubnar_31 Start: 28606, Stop: 30831, Start Num: 27

Candidate Starts for Glubnar_31:

(Start: 27 @28606 has 45 MA's), (Start: 31 @28621 has 1 MA's), (40, 28666), (55, 28723), (74, 28801), (96, 28870), (106, 28882), (112, 28924), (121, 28960), (130, 28987), (133, 28999), (139, 29026), (159, 29116), (175, 29188), (194, 29272), (220, 29380), (226, 29401), (248, 29494), (253, 29509), (283, 29638), (300, 29719), (322, 29794), (337, 29836), (340, 29842), (351, 29878), (363, 29941), (379, 29992), (383, 30004), (393, 30046), (398, 30067), (418, 30121), (425, 30145), (435, 30181), (466, 30277), (468, 30286), (486, 30340), (511, 30448), (521, 30475), (533, 30517), (557, 30589), (577, 30679), (588, 30715),

Gene: Gophee_31 Start: 28749, Stop: 31004, Start Num: 28

Candidate Starts for Gophee_31:

(Start: 28 @28749 has 302 MA's), (50, 28845), (70, 28923), (73, 28950), (106, 29049), (141, 29208), (182, 29388), (187, 29412), (205, 29502), (207, 29508), (217, 29544), (230, 29583), (234, 29592), (240, 29625), (248, 29664), (260, 29709), (275, 29760), (284, 29811), (285, 29820), (300, 29889), (322, 29964), (340, 30009), (344, 30024), (379, 30159), (393, 30213), (398, 30234), (413, 30267), (425, 30312), (439, 30366), (448, 30393), (466, 30450), (472, 30471), (486, 30513), (494, 30552), (509, 30612), (577, 30852), (587, 30885), (588, 30888), (605, 30921), (608, 30927), (635, 30990),

Gene: Grand2040_30 Start: 28482, Stop: 30737, Start Num: 28

Candidate Starts for Grand2040_30:

(Start: 28 @28482 has 302 MA's), (50, 28578), (70, 28656), (73, 28683), (106, 28782), (141, 28941), (182, 29121), (187, 29145), (205, 29235), (207, 29241), (217, 29277), (230, 29316), (234, 29325), (240, 29358), (248, 29397), (260, 29442), (275, 29493), (284, 29544), (285, 29553), (300, 29622), (322, 29697), (340, 29742), (344, 29757), (379, 29892), (393, 29946), (398, 29967), (413, 30000), (425, 30045), (439, 30099), (448, 30126), (466, 30183), (472, 30204), (486, 30246), (494, 30285), (509, 30345), (577, 30585), (588, 30621), (605, 30654), (635, 30723),

Gene: Gwennie1_31 Start: 28828, Stop: 31086, Start Num: 28

Candidate Starts for Gwennie1_31:

(Start: 28 @28828 has 302 MA's), (50, 28924), (70, 29002), (73, 29029), (94, 29104), (106, 29131), (141, 29290), (182, 29470), (187, 29494), (205, 29584), (207, 29590), (217, 29626), (230, 29665), (234, 29674), (240, 29707), (248, 29746), (260, 29791), (275, 29842), (284, 29893), (285, 29902), (300, 29971), (322, 30046), (340, 30091), (344, 30106), (379, 30241), (393, 30295), (398, 30316), (413, 30349), (425, 30394), (439, 30448), (448, 30475), (466, 30532), (472, 30553), (486, 30595), (494, 30634), (509, 30694), (577, 30934), (588, 30970), (605, 31003), (635, 31072),

Gene: Gwilliam_31 Start: 28761, Stop: 31016, Start Num: 28

Candidate Starts for Gwilliam_31:

(Start: 28 @28761 has 302 MA's), (50, 28857), (70, 28935), (73, 28962), (106, 29061), (141, 29220), (182, 29400), (187, 29424), (205, 29514), (207, 29520), (217, 29556), (230, 29595), (234, 29604), (240, 29637), (248, 29676), (260, 29721), (275, 29772), (284, 29823), (285, 29832), (300, 29901), (322, 29976), (340, 30021), (344, 30036), (379, 30171), (393, 30225), (398, 30246), (413, 30279), (425, 30324), (439, 30378), (448, 30405), (466, 30462), (472, 30483), (486, 30525), (494, 30564), (509, 30624), (577, 30864), (587, 30897), (588, 30900), (605, 30933), (608, 30939), (635, 31002),

Gene: Gyarad_0031 Start: 28763, Stop: 31018, Start Num: 28

Candidate Starts for Gyarad_0031:

(Start: 28 @28763 has 302 MA's), (50, 28859), (70, 28937), (73, 28964), (106, 29063), (141, 29222), (182, 29402), (187, 29426), (205, 29516), (207, 29522), (217, 29558), (230, 29597), (234, 29606), (240, 29639), (248, 29678), (260, 29723), (275, 29774), (284, 29825), (285, 29834), (300, 29903), (322, 29978), (340, 30023), (344, 30038), (379, 30173), (393, 30227), (398, 30248), (413, 30281), (425, 30326), (439, 30380), (448, 30407), (466, 30464), (472, 30485), (486, 30527), (494, 30566), (509, 30626), (577, 30866), (587, 30899), (588, 30902), (605, 30935), (608, 30941), (635, 31004),

Gene: HSavage_31 Start: 28768, Stop: 31023, Start Num: 28

Candidate Starts for HSavage_31:

(Start: 28 @28768 has 302 MA's), (50, 28864), (70, 28942), (73, 28969), (106, 29068), (141, 29227), (182, 29407), (187, 29431), (205, 29521), (207, 29527), (217, 29563), (230, 29602), (234, 29611), (240, 29644), (248, 29683), (260, 29728), (275, 29779), (284, 29830), (285, 29839), (300, 29908), (322, 29983), (340, 30028), (344, 30043), (379, 30178), (393, 30232), (398, 30253), (413, 30286), (425, 30331), (439, 30385), (448, 30412), (466, 30469), (472, 30490), (486, 30532), (494, 30571), (509, 30631), (577, 30871), (587, 30904), (588, 30907), (605, 30940), (608, 30946), (635, 31009),

Gene: Haimas_31 Start: 28759, Stop: 31014, Start Num: 28

Candidate Starts for Haimas_31:

(Start: 28 @28759 has 302 MA's), (50, 28855), (70, 28933), (73, 28960), (106, 29059), (141, 29218), (182, 29398), (187, 29422), (205, 29512), (207, 29518), (217, 29554), (230, 29593), (234, 29602), (240, 29635), (248, 29674), (260, 29719), (275, 29770), (284, 29821), (285, 29830), (300, 29899), (322, 29974), (340, 30019), (344, 30034), (379, 30169), (393, 30223), (398, 30244), (413, 30277), (425, 30322), (439, 30376), (448, 30403), (466, 30460), (472, 30481), (486, 30523), (494, 30562),

(509, 30622), (577, 30862), (587, 30895), (588, 30898), (605, 30931), (608, 30937), (635, 31000),

Gene: Haleema_30 Start: 28482, Stop: 30737, Start Num: 28

Candidate Starts for Haleema_30:

(Start: 28 @28482 has 302 MA's), (50, 28578), (70, 28656), (73, 28683), (106, 28782), (141, 28941), (182, 29121), (187, 29145), (205, 29235), (207, 29241), (217, 29277), (230, 29316), (234, 29325), (240, 29358), (248, 29397), (260, 29442), (275, 29493), (284, 29544), (285, 29553), (300, 29622), (322, 29697), (340, 29742), (344, 29757), (379, 29892), (393, 29946), (398, 29967), (413, 30000), (425, 30045), (439, 30099), (448, 30126), (466, 30183), (472, 30204), (486, 30246), (494, 30285), (509, 30345), (577, 30585), (587, 30618), (588, 30621), (605, 30654), (608, 30660), (635, 30723),

Gene: Halfpint_30 Start: 28429, Stop: 30654, Start Num: 27

Candidate Starts for Halfpint_30:

(Start: 27 @28429 has 45 MA's), (Start: 31 @28444 has 1 MA's), (40, 28489), (55, 28546), (74, 28624), (96, 28693), (106, 28705), (112, 28747), (121, 28783), (130, 28810), (133, 28822), (139, 28849), (159, 28939), (166, 28963), (175, 29011), (194, 29095), (220, 29203), (226, 29224), (248, 29317), (253, 29332), (283, 29461), (300, 29542), (322, 29617), (337, 29659), (340, 29665), (363, 29764), (379, 29815), (383, 29827), (393, 29869), (398, 29890), (418, 29944), (425, 29968), (435, 30004), (466, 30100), (468, 30109), (486, 30163), (511, 30271), (521, 30298), (533, 30340), (557, 30412), (577, 30502), (588, 30538),

Gene: Hally898_27 Start: 27953, Stop: 30250, Start Num: 28

Candidate Starts for Hally898_27:

(Start: 28 @27953 has 302 MA's), (50, 28052), (73, 28157), (83, 28193), (106, 28256), (120, 28337), (138, 28403), (141, 28415), (167, 28520), (174, 28559), (185, 28610), (187, 28619), (201, 28700), (202, 28703), (217, 28766), (231, 28808), (236, 28820), (261, 28943), (269, 28967), (283, 29030), (288, 29060), (289, 29069), (310, 29141), (315, 29162), (322, 29198), (328, 29219), (351, 29285), (356, 29297), (363, 29348), (364, 29351), (369, 29369), (376, 29393), (384, 29420), (393, 29453), (398, 29474), (413, 29507), (425, 29552), (467, 29693), (468, 29696), (472, 29708), (495, 29792), (533, 29927), (540, 29951), (558, 30014), (564, 30044), (567, 30050), (577, 30098), (587, 30131), (588, 30134), (635, 30236), (636, 30239),

Gene: Hamish_31 Start: 28751, Stop: 31006, Start Num: 28

Candidate Starts for Hamish_31:

(Start: 28 @28751 has 302 MA's), (50, 28847), (70, 28925), (73, 28952), (106, 29051), (141, 29210), (182, 29390), (187, 29414), (205, 29504), (207, 29510), (217, 29546), (230, 29585), (234, 29594), (240, 29627), (248, 29666), (260, 29711), (275, 29762), (284, 29813), (285, 29822), (300, 29891), (322, 29966), (340, 30011), (344, 30026), (379, 30161), (393, 30215), (398, 30236), (413, 30269), (425, 30314), (439, 30368), (448, 30395), (466, 30452), (472, 30473), (486, 30515), (494, 30554), (509, 30614), (577, 30854), (587, 30887), (588, 30890), (605, 30923), (608, 30929), (635, 30992),

Gene: Hammy_26 Start: 21316, Stop: 23694, Start Num: 16

Candidate Starts for Hammy_26:

(Start: 16 @21316 has 68 MA's), (18, 21325), (Start: 31 @21364 has 1 MA's), (63, 21487), (77, 21544), (80, 21556), (121, 21622), (137, 21676), (152, 21754), (174, 21844), (183, 21886), (195, 21937), (207, 21979), (208, 21982), (210, 22003), (229, 22063), (231, 22069), (276, 22261), (297, 22378), (329, 22486), (334, 22504), (339, 22516), (379, 22660), (419, 22795), (420, 22798), (421, 22801), (429, 22834), (432, 22840), (445, 22894), (473, 23002), (483, 23035), (484, 23041), (489, 23056), (497, 23098), (516, 23185), (520, 23191), (560, 23320), (565, 23341), (646, 23536), (653, 23557), (654, 23560), (663, 23599), (685, 23668),

Gene: Hangman_28 Start: 28965, Stop: 31262, Start Num: 28

Candidate Starts for Hangman_28:

(Start: 1 @28278 has 1 MA's), (2, 28425), (Start: 28 @28965 has 302 MA's), (50, 29064), (55, 29082), (83, 29205), (106, 29268), (120, 29349), (138, 29415), (167, 29532), (174, 29571), (185, 29622), (187, 29631), (197, 29688), (201, 29712), (202, 29715), (217, 29778), (231, 29820), (236, 29832), (261, 29955), (269, 29979), (283, 30042), (310, 30153), (315, 30174), (322, 30210), (328, 30231), (351, 30297), (356, 30309), (362, 30351), (363, 30360), (364, 30363), (369, 30381), (370, 30384), (376, 30405), (384, 30432), (393, 30465), (398, 30486), (413, 30519), (425, 30564), (467, 30705), (468, 30708), (472, 30720), (495, 30804), (527, 30918), (533, 30939), (540, 30963), (558, 31026), (564, 31056), (577, 31110), (587, 31143), (588, 31146), (635, 31248), (636, 31251),

Gene: Hartsy_31 Start: 28802, Stop: 31057, Start Num: 28

Candidate Starts for Hartsy_31:

(Start: 28 @28802 has 302 MA's), (50, 28898), (70, 28976), (73, 29003), (106, 29102), (141, 29261), (182, 29441), (187, 29465), (205, 29555), (207, 29561), (217, 29597), (230, 29636), (234, 29645), (240, 29678), (248, 29717), (260, 29762), (275, 29813), (284, 29864), (285, 29873), (300, 29942), (322, 30017), (340, 30062), (344, 30077), (379, 30212), (393, 30266), (398, 30287), (413, 30320), (425, 30365), (439, 30419), (448, 30446), (466, 30503), (472, 30524), (486, 30566), (494, 30605), (509, 30665), (577, 30905), (587, 30938), (588, 30941), (605, 30974), (608, 30980), (635, 31043),

Gene: Harvey_31 Start: 28777, Stop: 31032, Start Num: 28

Candidate Starts for Harvey_31:

(Start: 28 @28777 has 302 MA's), (50, 28873), (70, 28951), (73, 28978), (106, 29077), (141, 29236), (182, 29416), (187, 29440), (205, 29530), (207, 29536), (217, 29572), (230, 29611), (234, 29620), (240, 29653), (248, 29692), (260, 29737), (275, 29788), (284, 29839), (285, 29848), (300, 29917), (322, 29992), (340, 30037), (344, 30052), (379, 30187), (393, 30241), (398, 30262), (413, 30295), (425, 30340), (439, 30394), (448, 30421), (466, 30478), (472, 30499), (486, 30541), (494, 30580), (509, 30640), (577, 30880), (587, 30913), (588, 30916), (605, 30949), (608, 30955), (635, 31018),

Gene: HarveySr_31 Start: 28593, Stop: 30821, Start Num: 27

Candidate Starts for HarveySr_31:

(Start: 27 @28593 has 45 MA's), (Start: 31 @28608 has 1 MA's), (40, 28653), (55, 28710), (74, 28788), (96, 28857), (106, 28869), (112, 28911), (121, 28947), (130, 28974), (133, 28986), (139, 29013), (159, 29103), (175, 29175), (194, 29259), (220, 29367), (226, 29388), (248, 29481), (253, 29496), (283, 29625), (300, 29706), (322, 29781), (337, 29823), (340, 29829), (351, 29865), (379, 29979), (383, 29991), (393, 30033), (398, 30054), (418, 30108), (425, 30132), (435, 30168), (466, 30267), (468, 30276), (486, 30330), (511, 30438), (521, 30465), (533, 30507), (557, 30579), (577, 30669), (588, 30705),

Gene: Hashim76_34 Start: 28773, Stop: 31235, Start Num: 28

Candidate Starts for Hashim76_34:

(Start: 28 @28773 has 302 MA's), (30, 28782), (55, 28887), (63, 28920), (70, 28947), (76, 28989), (108, 29103), (120, 29166), (129, 29193), (139, 29235), (185, 29442), (192, 29478), (198, 29511), (215, 29577), (240, 29664), (243, 29685), (253, 29718), (283, 29847), (295, 29913), (336, 30060), (342, 30078), (375, 30210), (384, 30237), (395, 30273), (416, 30342), (421, 30354), (426, 30384), (431, 30399), (436, 30420), (454, 30489), (456, 30501), (475, 30555), (479, 30561), (486, 30591), (490, 30612), (528, 30759), (539, 30804), (549, 30831), (642, 31101), (658, 31158), (662, 31179),

Gene: Heath_27 Start: 28566, Stop: 30863, Start Num: 28

Candidate Starts for Heath_27:

(Start: 1 @27879 has 1 MA's), (2, 28026), (4, 28437), (Start: 28 @28566 has 302 MA's), (50, 28665), (73, 28770), (83, 28806), (106, 28869), (120, 28950), (138, 29016), (167, 29133), (174, 29172), (185, 29223), (187, 29232), (197, 29289), (201, 29313), (202, 29316), (217, 29379), (231, 29421), (236, 29433), (261, 29556), (269, 29580), (283, 29643), (310, 29754), (315, 29775), (322, 29811), (328, 29832), (351, 29898), (356, 29910), (363, 29961), (364, 29964), (369, 29982), (376, 30006), (384,

30033), (393, 30066), (398, 30087), (413, 30120), (425, 30165), (467, 30306), (468, 30309), (472, 30321), (495, 30405), (527, 30519), (533, 30540), (540, 30564), (558, 30627), (564, 30657), (567, 30663), (577, 30711), (587, 30744), (588, 30747), (635, 30849), (636, 30852),

Gene: Heathcliff_31 Start: 28575, Stop: 30803, Start Num: 27

Candidate Starts for Heathcliff_31:

(Start: 27 @28575 has 45 MA's), (Start: 31 @28590 has 1 MA's), (40, 28635), (55, 28692), (74, 28770), (96, 28839), (106, 28851), (112, 28893), (121, 28929), (130, 28956), (133, 28968), (139, 28995), (159, 29085), (175, 29157), (194, 29241), (220, 29349), (226, 29370), (248, 29463), (253, 29478), (283, 29607), (300, 29688), (322, 29763), (337, 29805), (340, 29811), (379, 29961), (383, 29973), (393, 30015), (398, 30036), (418, 30090), (425, 30114), (466, 30249), (468, 30258), (486, 30312), (511, 30420), (521, 30447), (533, 30489), (557, 30561), (577, 30651), (588, 30687),

Gene: Held_31 Start: 28466, Stop: 30721, Start Num: 28

Candidate Starts for Held_31:

(Start: 28 @28466 has 302 MA's), (50, 28562), (70, 28640), (73, 28667), (106, 28766), (141, 28925), (182, 29105), (187, 29129), (205, 29219), (207, 29225), (217, 29261), (230, 29300), (234, 29309), (240, 29342), (248, 29381), (260, 29426), (275, 29477), (284, 29528), (285, 29537), (300, 29606), (322, 29681), (340, 29726), (344, 29741), (379, 29876), (393, 29930), (398, 29951), (413, 29984), (425, 30029), (439, 30083), (448, 30110), (466, 30167), (472, 30188), (486, 30230), (494, 30269), (509, 30329), (577, 30569), (588, 30605), (605, 30638), (635, 30707),

Gene: HenryJackson_30 Start: 28482, Stop: 30737, Start Num: 28

Candidate Starts for HenryJackson_30:

(Start: 28 @28482 has 302 MA's), (50, 28578), (70, 28656), (73, 28683), (106, 28782), (141, 28941), (182, 29121), (187, 29145), (205, 29235), (207, 29241), (217, 29277), (230, 29316), (234, 29325), (240, 29358), (248, 29397), (260, 29442), (275, 29493), (284, 29544), (285, 29553), (300, 29622), (322, 29697), (340, 29742), (344, 29757), (379, 29892), (393, 29946), (398, 29967), (413, 30000), (425, 30045), (439, 30099), (448, 30126), (466, 30183), (472, 30204), (486, 30246), (494, 30285), (509, 30345), (577, 30585), (587, 30618), (588, 30621), (605, 30654), (608, 30660), (635, 30723),

Gene: Hertubise_31 Start: 28773, Stop: 31028, Start Num: 28

Candidate Starts for Hertubise_31:

(Start: 28 @28773 has 302 MA's), (50, 28869), (70, 28947), (73, 28974), (106, 29073), (141, 29232), (182, 29412), (187, 29436), (205, 29526), (207, 29532), (217, 29568), (230, 29607), (234, 29616), (240, 29649), (248, 29688), (260, 29733), (275, 29784), (284, 29835), (285, 29844), (300, 29913), (322, 29988), (340, 30033), (344, 30048), (379, 30183), (393, 30237), (398, 30258), (413, 30291), (425, 30336), (439, 30390), (466, 30474), (472, 30495), (486, 30537), (494, 30576), (509, 30636), (577, 30876), (587, 30909), (588, 30912), (605, 30945), (608, 30951), (635, 31014),

Gene: Hetaeria_31 Start: 28775, Stop: 31030, Start Num: 28

Candidate Starts for Hetaeria_31:

(Start: 28 @28775 has 302 MA's), (50, 28871), (70, 28949), (73, 28976), (106, 29075), (141, 29234), (182, 29414), (187, 29438), (205, 29528), (207, 29534), (217, 29570), (230, 29609), (234, 29618), (240, 29651), (248, 29690), (260, 29735), (275, 29786), (284, 29837), (285, 29846), (300, 29915), (322, 29990), (340, 30035), (344, 30050), (379, 30185), (393, 30239), (398, 30260), (413, 30293), (425, 30338), (439, 30392), (466, 30476), (472, 30497), (486, 30539), (494, 30578), (509, 30638), (577, 30878), (587, 30911), (588, 30914), (605, 30947), (608, 30953), (635, 31016),

Gene: HighStump_30 Start: 28465, Stop: 30720, Start Num: 28

Candidate Starts for HighStump_30:

(Start: 28 @28465 has 302 MA's), (50, 28561), (70, 28639), (73, 28666), (106, 28765), (141, 28924), (182, 29104), (187, 29128), (205, 29218), (207, 29224), (217, 29260), (230, 29299), (234, 29308),

(240, 29341), (248, 29380), (260, 29425), (275, 29476), (284, 29527), (285, 29536), (300, 29605), (322, 29680), (340, 29725), (344, 29740), (379, 29875), (393, 29929), (398, 29950), (413, 29983), (425, 30028), (439, 30082), (448, 30109), (466, 30166), (472, 30187), (486, 30229), (494, 30268), (509, 30328), (577, 30568), (587, 30601), (588, 30604), (605, 30637), (608, 30643), (635, 30706),

Gene: Hilltopfarm_27 Start: 23459, Stop: 26053, Start Num: 15

Candidate Starts for Hilltopfarm_27:

(Start: 15 @23459 has 4 MA's), (23, 23498), (41, 23573), (68, 23675), (71, 23684), (89, 23762), (114, 23843), (116, 23852), (130, 23897), (131, 23900), (133, 23909), (135, 23921), (136, 23924), (142, 23948), (147, 23975), (148, 23984), (164, 24047), (178, 24113), (186, 24149), (187, 24152), (202, 24224), (204, 24230), (222, 24299), (242, 24383), (261, 24464), (265, 24485), (289, 24608), (305, 24659), (310, 24686), (320, 24737), (331, 24782), (345, 24833), (348, 24842), (357, 24875), (360, 24920), (392, 25043), (394, 25046), (396, 25049), (423, 25160), (439, 25223), (453, 25271), (478, 25358), (484, 25385), (487, 25394), (489, 25400), (497, 25442), (501, 25451), (530, 25568), (531, 25571), (558, 25655), (566, 25691), (579, 25745), (604, 25796), (605, 25802), (607, 25808), (629, 25850), (653, 25910), (661, 25946), (684, 26036), (687, 26045),

Gene: Hocus_30 Start: 28474, Stop: 30729, Start Num: 28

Candidate Starts for Hocus_30:

(Start: 28 @28474 has 302 MA's), (50, 28570), (70, 28648), (73, 28675), (106, 28774), (141, 28933), (182, 29113), (187, 29137), (205, 29227), (207, 29233), (217, 29269), (230, 29308), (234, 29317), (240, 29350), (248, 29389), (260, 29434), (275, 29485), (284, 29536), (285, 29545), (300, 29614), (322, 29689), (340, 29734), (344, 29749), (379, 29884), (393, 29938), (398, 29959), (413, 29992), (425, 30037), (439, 30091), (448, 30118), (466, 30175), (472, 30196), (486, 30238), (494, 30277), (509, 30337), (577, 30577), (587, 30610), (588, 30613), (605, 30646), (608, 30652), (635, 30715),

Gene: Horchata_31 Start: 28753, Stop: 31008, Start Num: 28

Candidate Starts for Horchata_31:

(Start: 28 @28753 has 302 MA's), (50, 28849), (70, 28927), (73, 28954), (106, 29053), (141, 29212), (182, 29392), (187, 29416), (207, 29512), (217, 29548), (230, 29587), (234, 29596), (240, 29629), (248, 29668), (260, 29713), (275, 29764), (284, 29815), (285, 29824), (300, 29893), (322, 29968), (340, 30013), (344, 30028), (379, 30163), (393, 30217), (398, 30238), (413, 30271), (425, 30316), (439, 30370), (448, 30397), (466, 30454), (472, 30475), (486, 30517), (494, 30556), (509, 30616), (577, 30856), (588, 30892), (605, 30925), (635, 30994),

Gene: Hurricane_26 Start: 21315, Stop: 23663, Start Num: 16

Candidate Starts for Hurricane_26:

(Start: 16 @21315 has 68 MA's), (23, 21342), (33, 21375), (43, 21420), (61, 21480), (124, 21636), (137, 21681), (145, 21717), (148, 21735), (168, 21813), (178, 21861), (209, 21993), (222, 22047), (227, 22062), (253, 22170), (286, 22287), (294, 22329), (295, 22335), (297, 22344), (302, 22353), (319, 22434), (322, 22452), (324, 22455), (335, 22494), (341, 22515), (349, 22536), (353, 22545), (373, 22632), (399, 22725), (400, 22728), (423, 22800), (459, 22938), (476, 22983), (487, 23022), (490, 23040), (514, 23139), (520, 23157), (535, 23211), (549, 23241), (553, 23259), (560, 23286), (562, 23292), (574, 23340), (601, 23415), (606, 23424), (613, 23445), (617, 23454), (660, 23553), (674, 23595),

Gene: Hydro_28 Start: 28982, Stop: 31279, Start Num: 28

Candidate Starts for Hydro_28:

(Start: 1 @28295 has 1 MA's), (2, 28442), (Start: 28 @28982 has 302 MA's), (50, 29081), (55, 29099), (83, 29222), (106, 29285), (120, 29366), (138, 29432), (167, 29549), (174, 29588), (187, 29648), (197, 29705), (201, 29729), (202, 29732), (217, 29795), (231, 29837), (261, 29972), (269, 29996), (283, 30059), (289, 30098), (310, 30170), (315, 30191), (322, 30227), (328, 30248), (351, 30314), (356, 30326), (363, 30377), (364, 30380), (369, 30398), (376, 30422), (384, 30449), (393, 30482), (398,

30503), (413, 30536), (425, 30581), (467, 30722), (468, 30725), (472, 30737), (495, 30821), (527, 30935), (533, 30956), (540, 30980), (558, 31043), (564, 31073), (567, 31079), (577, 31127), (587, 31160), (588, 31163), (603, 31187), (635, 31265), (636, 31268),

Gene: ImtiyazSitla_30 Start: 28315, Stop: 30570, Start Num: 28

Candidate Starts for ImtiyazSitla_30:

(Start: 28 @28315 has 302 MA's), (50, 28411), (70, 28489), (73, 28516), (106, 28615), (141, 28774), (182, 28954), (187, 28978), (207, 29074), (217, 29110), (230, 29149), (234, 29158), (240, 29191), (248, 29230), (260, 29275), (275, 29326), (284, 29377), (285, 29386), (300, 29455), (322, 29530), (340, 29575), (344, 29590), (379, 29725), (393, 29779), (398, 29800), (413, 29833), (425, 29878), (439, 29932), (448, 29959), (466, 30016), (472, 30037), (486, 30079), (494, 30118), (509, 30178), (577, 30418), (588, 30454), (605, 30487), (635, 30556),

Gene: Imvubu_24 Start: 26459, Stop: 28915, Start Num: 28

Candidate Starts for Imvubu_24:

(Start: 28 @26459 has 302 MA's), (51, 26561), (55, 26573), (69, 26630), (103, 26753), (108, 26783), (129, 26873), (162, 27020), (174, 27071), (180, 27101), (185, 27122), (192, 27158), (193, 27161), (194, 27164), (198, 27191), (212, 27251), (215, 27257), (225, 27284), (240, 27344), (248, 27383), (275, 27479), (283, 27527), (295, 27593), (315, 27653), (326, 27707), (336, 27740), (342, 27758), (384, 27917), (389, 27944), (395, 27953), (397, 27956), (404, 27983), (415, 28019), (416, 28022), (421, 28034), (426, 28064), (434, 28088), (439, 28112), (454, 28169), (479, 28241), (486, 28271), (487, 28274), (490, 28292), (491, 28295), (495, 28316), (503, 28349), (522, 28418), (539, 28484), (549, 28511), (556, 28535), (559, 28556), (571, 28592), (575, 28616), (589, 28670), (599, 28688), (627, 28742), (630, 28745), (645, 28784), (652, 28814), (658, 28838),

Gene: Inchworm_31 Start: 28751, Stop: 31006, Start Num: 28

Candidate Starts for Inchworm_31:

(Start: 28 @28751 has 302 MA's), (50, 28847), (70, 28925), (73, 28952), (106, 29051), (141, 29210), (182, 29390), (187, 29414), (205, 29504), (207, 29510), (217, 29546), (230, 29585), (234, 29594), (240, 29627), (248, 29666), (260, 29711), (275, 29762), (284, 29813), (285, 29822), (300, 29891), (322, 29966), (340, 30011), (344, 30026), (379, 30161), (393, 30215), (398, 30236), (413, 30269), (425, 30314), (439, 30368), (448, 30395), (466, 30452), (472, 30473), (486, 30515), (494, 30554), (509, 30614), (577, 30854), (588, 30890), (605, 30923), (635, 30992),

Gene: Indlovu_28 Start: 28755, Stop: 31250, Start Num: 26

Candidate Starts for Indlovu_28:

(Start: 26 @28755 has 1 MA's), (40, 28815), (101, 29073), (102, 29079), (108, 29112), (126, 29193), (158, 29331), (175, 29403), (181, 29430), (192, 29484), (198, 29517), (200, 29532), (217, 29592), (227, 29628), (230, 29637), (234, 29646), (239, 29676), (243, 29700), (253, 29733), (269, 29799), (275, 29814), (280, 29844), (282, 29853), (295, 29928), (307, 29964), (310, 29970), (315, 29985), (333, 30069), (336, 30072), (342, 30090), (372, 30213), (384, 30249), (404, 30315), (416, 30354), (421, 30366), (431, 30411), (436, 30432), (439, 30444), (475, 30567), (477, 30570), (479, 30573), (486, 30603), (487, 30606), (500, 30663), (503, 30681), (512, 30720), (522, 30750), (549, 30843), (568, 30918), (571, 30924), (627, 31074), (645, 31116), (654, 31152), (658, 31170), (664, 31197), (671, 31227),

Gene: Inverness_31 Start: 28765, Stop: 31020, Start Num: 28

Candidate Starts for Inverness_31:

(Start: 28 @28765 has 302 MA's), (50, 28861), (70, 28939), (73, 28966), (106, 29065), (141, 29224), (182, 29404), (187, 29428), (207, 29524), (217, 29560), (230, 29599), (234, 29608), (240, 29641), (248, 29680), (260, 29725), (275, 29776), (284, 29827), (285, 29836), (300, 29905), (322, 29980), (340, 30025), (344, 30040), (379, 30175), (393, 30229), (398, 30250), (413, 30283), (425, 30328), (439, 30382), (448, 30409), (466, 30466), (472, 30487), (486, 30529), (494, 30568), (509, 30628),

(577, 30868), (588, 30904), (605, 30937), (635, 31006),

Gene: Iridessa_31 Start: 28464, Stop: 30722, Start Num: 28

Candidate Starts for Iridessa_31:

(Start: 28 @28464 has 302 MA's), (50, 28560), (70, 28638), (73, 28665), (106, 28767), (141, 28926), (182, 29106), (187, 29130), (205, 29220), (207, 29226), (217, 29262), (230, 29301), (234, 29310), (240, 29343), (248, 29382), (260, 29427), (275, 29478), (284, 29529), (285, 29538), (300, 29607), (322, 29682), (340, 29727), (344, 29742), (379, 29877), (393, 29931), (398, 29952), (413, 29985), (425, 30030), (439, 30084), (448, 30111), (466, 30168), (472, 30189), (486, 30231), (494, 30270), (509, 30330), (577, 30570), (587, 30603), (588, 30606), (605, 30639), (608, 30645), (635, 30708),

Gene: Iridoclysis_31 Start: 28745, Stop: 31000, Start Num: 28

Candidate Starts for Iridoclysis_31:

(Start: 28 @28745 has 302 MA's), (50, 28841), (70, 28919), (73, 28946), (106, 29045), (141, 29204), (182, 29384), (187, 29408), (205, 29498), (207, 29504), (217, 29540), (230, 29579), (234, 29588), (240, 29621), (248, 29660), (260, 29705), (275, 29756), (284, 29807), (285, 29816), (300, 29885), (322, 29960), (340, 30005), (344, 30020), (379, 30155), (393, 30209), (398, 30230), (413, 30263), (425, 30308), (439, 30362), (448, 30389), (466, 30446), (472, 30467), (486, 30509), (494, 30548), (509, 30608), (577, 30848), (587, 30881), (588, 30884), (605, 30917), (608, 30923), (635, 30986),

Gene: IsaacEli_31 Start: 28769, Stop: 31024, Start Num: 28

Candidate Starts for IsaacEli_31:

(Start: 28 @28769 has 302 MA's), (50, 28865), (70, 28943), (73, 28970), (106, 29069), (141, 29228), (182, 29408), (187, 29432), (205, 29522), (207, 29528), (217, 29564), (230, 29603), (234, 29612), (240, 29645), (248, 29684), (260, 29729), (275, 29780), (284, 29831), (285, 29840), (300, 29909), (322, 29984), (340, 30029), (344, 30044), (379, 30179), (393, 30233), (398, 30254), (413, 30287), (425, 30332), (439, 30386), (466, 30470), (472, 30491), (486, 30533), (494, 30572), (509, 30632), (577, 30872), (587, 30905), (588, 30908), (605, 30941), (608, 30947), (635, 31010),

Gene: JAMaL_28 Start: 29152, Stop: 31449, Start Num: 28

Candidate Starts for JAMaL_28:

(Start: 28 @29152 has 302 MA's), (50, 29251), (55, 29269), (83, 29392), (106, 29455), (120, 29536), (138, 29602), (167, 29719), (174, 29758), (185, 29809), (187, 29818), (201, 29899), (202, 29902), (217, 29965), (231, 30007), (236, 30019), (261, 30142), (269, 30166), (283, 30229), (289, 30268), (310, 30340), (315, 30361), (322, 30397), (328, 30418), (351, 30484), (356, 30496), (363, 30547), (364, 30550), (369, 30568), (376, 30592), (384, 30619), (393, 30652), (398, 30673), (413, 30706), (425, 30751), (467, 30892), (468, 30895), (472, 30907), (495, 30991), (533, 31126), (540, 31150), (558, 31213), (564, 31243), (567, 31249), (577, 31297), (587, 31330), (588, 31333), (635, 31435), (636, 31438),

Gene: JDog_30 Start: 28478, Stop: 30736, Start Num: 28

Candidate Starts for JDog_30:

(Start: 28 @28478 has 302 MA's), (50, 28574), (70, 28652), (73, 28679), (106, 28781), (141, 28940), (182, 29120), (187, 29144), (205, 29234), (207, 29240), (217, 29276), (230, 29315), (234, 29324), (240, 29357), (248, 29396), (260, 29441), (275, 29492), (284, 29543), (285, 29552), (300, 29621), (322, 29696), (340, 29741), (344, 29756), (379, 29891), (393, 29945), (398, 29966), (413, 29999), (425, 30044), (439, 30098), (448, 30125), (466, 30182), (472, 30203), (486, 30245), (494, 30284), (509, 30344), (577, 30584), (588, 30620), (605, 30653), (635, 30722),

Gene: JF1_28 Start: 22272, Stop: 24581, Start Num: 16

Candidate Starts for JF1_28:

(Start: 16 @22272 has 68 MA's), (38, 22362), (43, 22383), (50, 22407), (82, 22524), (140, 22653), (150, 22713), (169, 22785), (171, 22794), (184, 22845), (185, 22851), (187, 22860), (222, 22911),

(226, 22923), (231, 22938), (234, 22944), (240, 22977), (251, 23025), (270, 23079), (286, 23151), (293, 23190), (296, 23202), (302, 23217), (313, 23262), (327, 23331), (354, 23412), (390, 23565), (404, 23607), (435, 23736), (445, 23781), (459, 23847), (464, 23862), (491, 23958), (530, 24111), (534, 24126), (535, 24132), (541, 24156), (544, 24162), (547, 24168), (548, 24171), (554, 24195), (558, 24207), (580, 24303), (605, 24354), (606, 24357), (638, 24426), (654, 24462), (661, 24495), (681, 24549), (683, 24558), (687, 24573),

Gene: JacAttac_31 Start: 28751, Stop: 31006, Start Num: 28

Candidate Starts for JacAttac_31:

(Start: 28 @28751 has 302 MA's), (50, 28847), (70, 28925), (73, 28952), (106, 29051), (141, 29210), (182, 29390), (187, 29414), (205, 29504), (207, 29510), (217, 29546), (230, 29585), (234, 29594), (240, 29627), (248, 29666), (260, 29711), (275, 29762), (284, 29813), (285, 29822), (300, 29891), (322, 29966), (340, 30011), (344, 30026), (379, 30161), (393, 30215), (398, 30236), (413, 30269), (425, 30314), (439, 30368), (466, 30452), (472, 30473), (486, 30515), (494, 30554), (509, 30614), (577, 30854), (587, 30887), (588, 30890), (605, 30923), (608, 30929), (635, 30992),

Gene: Jackstina_28 Start: 28536, Stop: 30761, Start Num: 27

Candidate Starts for Jackstina_28:

(Start: 27 @28536 has 45 MA's), (Start: 31 @28551 has 1 MA's), (40, 28596), (55, 28653), (74, 28731), (96, 28800), (106, 28812), (112, 28854), (121, 28890), (130, 28917), (133, 28929), (139, 28956), (159, 29046), (175, 29118), (194, 29202), (220, 29310), (226, 29331), (248, 29424), (253, 29439), (283, 29568), (300, 29649), (322, 29724), (337, 29766), (340, 29772), (351, 29808), (379, 29922), (383, 29934), (393, 29976), (398, 29997), (418, 30051), (425, 30075), (435, 30111), (466, 30207), (468, 30216), (486, 30270), (511, 30378), (521, 30405), (533, 30447), (557, 30519), (577, 30609), (588, 30645),

Gene: JaguarMi_28 Start: 28450, Stop: 30738, Start Num: 28

Candidate Starts for JaguarMi_28:

(Start: 28 @28450 has 302 MA's), (50, 28549), (55, 28567), (73, 28654), (83, 28690), (106, 28753), (120, 28834), (138, 28900), (167, 29017), (174, 29056), (185, 29107), (187, 29116), (197, 29173), (201, 29197), (202, 29200), (217, 29263), (269, 29464), (278, 29494), (279, 29497), (283, 29527), (310, 29638), (315, 29659), (322, 29695), (328, 29716), (351, 29782), (356, 29794), (363, 29845), (364, 29848), (376, 29890), (384, 29917), (393, 29950), (398, 29971), (413, 30004), (414, 30007), (425, 30049), (426, 30061), (466, 30184), (468, 30193), (472, 30205), (482, 30229), (486, 30247), (494, 30286), (495, 30289), (508, 30343), (511, 30355), (527, 30403), (533, 30424), (577, 30586), (587, 30619), (588, 30622), (635, 30724),

Gene: JakeO_30 Start: 28481, Stop: 30739, Start Num: 28

Candidate Starts for JakeO_30:

(Start: 28 @28481 has 302 MA's), (50, 28577), (70, 28655), (73, 28682), (106, 28784), (141, 28943), (182, 29123), (187, 29147), (189, 29159), (207, 29243), (217, 29279), (230, 29318), (234, 29327), (240, 29360), (248, 29399), (260, 29444), (275, 29495), (284, 29546), (285, 29555), (300, 29624), (322, 29699), (340, 29744), (344, 29759), (379, 29894), (393, 29948), (398, 29969), (413, 30002), (425, 30047), (439, 30101), (448, 30128), (466, 30185), (472, 30206), (486, 30248), (494, 30287), (509, 30347), (577, 30587), (588, 30623), (605, 30656), (635, 30725),

Gene: JangoPhett_31 Start: 28752, Stop: 31007, Start Num: 28

Candidate Starts for JangoPhett_31:

(Start: 28 @28752 has 302 MA's), (50, 28848), (70, 28926), (73, 28953), (106, 29052), (141, 29211), (182, 29391), (187, 29415), (205, 29505), (207, 29511), (217, 29547), (230, 29586), (234, 29595), (240, 29628), (248, 29667), (260, 29712), (275, 29763), (284, 29814), (285, 29823), (300, 29892), (322, 29967), (340, 30012), (344, 30027), (379, 30162), (393, 30216), (398, 30237), (413, 30270), (425, 30315), (439, 30369), (448, 30396), (466, 30453), (472, 30474), (486, 30516), (494, 30555),

(509, 30615), (577, 30855), (587, 30888), (588, 30891), (605, 30924), (608, 30930), (635, 30993),

Gene: Jesabah_31 Start: 28484, Stop: 30739, Start Num: 28

Candidate Starts for Jesabah_31:

(Start: 28 @28484 has 302 MA's), (50, 28580), (70, 28658), (73, 28685), (106, 28784), (141, 28943), (182, 29123), (187, 29147), (205, 29237), (207, 29243), (217, 29279), (230, 29318), (234, 29327), (240, 29360), (248, 29399), (260, 29444), (275, 29495), (284, 29546), (285, 29555), (300, 29624), (322, 29699), (340, 29744), (344, 29759), (379, 29894), (393, 29948), (398, 29969), (413, 30002), (425, 30047), (439, 30101), (448, 30128), (466, 30185), (472, 30206), (486, 30248), (494, 30287), (509, 30347), (577, 30587), (587, 30620), (588, 30623), (605, 30656), (608, 30662), (635, 30725),

Gene: Jillium_30 Start: 28475, Stop: 30730, Start Num: 28

Candidate Starts for Jillium_30:

(Start: 28 @28475 has 302 MA's), (50, 28571), (70, 28649), (73, 28676), (106, 28775), (141, 28934), (182, 29114), (187, 29138), (205, 29228), (207, 29234), (217, 29270), (230, 29309), (234, 29318), (240, 29351), (248, 29390), (260, 29435), (275, 29486), (284, 29537), (285, 29546), (300, 29615), (322, 29690), (340, 29735), (344, 29750), (379, 29885), (393, 29939), (398, 29960), (413, 29993), (425, 30038), (439, 30092), (448, 30119), (466, 30176), (472, 30197), (486, 30239), (494, 30278), (509, 30338), (577, 30578), (587, 30611), (588, 30614), (605, 30647), (608, 30653), (635, 30716),

Gene: Jiminy_30 Start: 28319, Stop: 30574, Start Num: 28

Candidate Starts for Jiminy_30:

(Start: 28 @28319 has 302 MA's), (50, 28415), (70, 28493), (73, 28520), (106, 28619), (141, 28778), (182, 28958), (187, 28982), (207, 29078), (217, 29114), (230, 29153), (234, 29162), (240, 29195), (248, 29234), (260, 29279), (275, 29330), (285, 29390), (300, 29459), (322, 29534), (340, 29579), (344, 29594), (379, 29729), (393, 29783), (398, 29804), (413, 29837), (425, 29882), (439, 29936), (448, 29963), (466, 30020), (472, 30041), (486, 30083), (494, 30122), (509, 30182), (577, 30422), (587, 30455), (588, 30458), (605, 30491), (635, 30560),

Gene: Jiraiya_31 Start: 28472, Stop: 30727, Start Num: 28

Candidate Starts for Jiraiya_31:

(Start: 28 @28472 has 302 MA's), (50, 28568), (70, 28646), (73, 28673), (106, 28772), (141, 28931), (182, 29111), (187, 29135), (205, 29225), (207, 29231), (217, 29267), (230, 29306), (234, 29315), (240, 29348), (248, 29387), (260, 29432), (275, 29483), (284, 29534), (285, 29543), (300, 29612), (322, 29687), (340, 29732), (344, 29747), (379, 29882), (393, 29936), (398, 29957), (413, 29990), (425, 30035), (439, 30089), (448, 30116), (466, 30173), (472, 30194), (486, 30236), (494, 30275), (509, 30335), (577, 30575), (588, 30611), (605, 30644), (635, 30713),

Gene: Jobypre_21 Start: 19724, Stop: 22237, Start Num: 11

Candidate Starts for Jobypre_21:

(Start: 11 @19724 has 16 MA's), (20, 19787), (40, 19859), (64, 19949), (66, 19955), (81, 20027), (105, 20114), (138, 20219), (141, 20231), (146, 20249), (153, 20288), (161, 20318), (173, 20375), (179, 20405), (182, 20411), (192, 20465), (194, 20471), (229, 20618), (230, 20621), (234, 20630), (238, 20648), (250, 20708), (253, 20717), (256, 20729), (266, 20780), (268, 20783), (306, 20948), (317, 21005), (343, 21089), (349, 21107), (353, 21116), (366, 21179), (400, 21299), (410, 21323), (415, 21344), (421, 21359), (425, 21377), (434, 21407), (455, 21497), (480, 21566), (487, 21599), (491, 21620), (501, 21656), (507, 21692), (521, 21737), (528, 21761), (530, 21767), (534, 21782), (538, 21800), (566, 21887), (572, 21911), (581, 21947), (583, 21953), (593, 21977), (628, 22052), (631, 22055), (659, 22142), (661, 22151), (663, 22157),

Gene: Jubie_21 Start: 19725, Stop: 22238, Start Num: 11

Candidate Starts for Jubie_21:

(Start: 11 @19725 has 16 MA's), (20, 19788), (40, 19860), (64, 19950), (66, 19956), (81, 20028), (105, 20115), (138, 20220), (141, 20232), (146, 20250), (153, 20289), (161, 20319), (173, 20376), (179, 20406), (182, 20412), (192, 20466), (194, 20472), (229, 20619), (230, 20622), (234, 20631), (238, 20649), (250, 20709), (253, 20718), (256, 20730), (266, 20781), (268, 20784), (306, 20949), (317, 21006), (343, 21090), (349, 21108), (353, 21117), (366, 21180), (400, 21300), (410, 21324), (415, 21345), (421, 21360), (425, 21378), (434, 21408), (455, 21498), (480, 21567), (487, 21600), (491, 21621), (501, 21657), (507, 21693), (521, 21738), (528, 21762), (530, 21768), (534, 21783), (538, 21801), (566, 21888), (572, 21912), (581, 21948), (583, 21954), (593, 21978), (628, 22053), (631, 22056), (659, 22143), (661, 22152), (663, 22158),

Gene: KLucky39_31 Start: 28763, Stop: 31018, Start Num: 28

Candidate Starts for KLucky39_31:

(Start: 28 @28763 has 302 MA's), (50, 28859), (70, 28937), (73, 28964), (106, 29063), (141, 29222), (182, 29402), (187, 29426), (205, 29516), (207, 29522), (217, 29558), (230, 29597), (234, 29606), (240, 29639), (248, 29678), (260, 29723), (275, 29774), (284, 29825), (285, 29834), (300, 29903), (322, 29978), (340, 30023), (344, 30038), (379, 30173), (393, 30227), (398, 30248), (413, 30281), (425, 30326), (439, 30380), (448, 30407), (466, 30464), (472, 30485), (486, 30527), (494, 30566), (509, 30626), (577, 30866), (587, 30899), (588, 30902), (605, 30935), (608, 30941), (635, 31004),

Gene: Kahve_30 Start: 28479, Stop: 30734, Start Num: 28

Candidate Starts for Kahve_30:

(Start: 28 @28479 has 302 MA's), (50, 28575), (70, 28653), (73, 28680), (106, 28779), (141, 28938), (182, 29118), (187, 29142), (205, 29232), (207, 29238), (217, 29274), (230, 29313), (234, 29322), (240, 29355), (248, 29394), (260, 29439), (275, 29490), (284, 29541), (285, 29550), (300, 29619), (322, 29694), (340, 29739), (344, 29754), (379, 29889), (393, 29943), (398, 29964), (413, 29997), (425, 30042), (439, 30096), (448, 30123), (466, 30180), (472, 30201), (486, 30243), (494, 30282), (509, 30342), (577, 30582), (587, 30615), (588, 30618), (605, 30651), (608, 30657), (635, 30720),

Gene: Kailash_31 Start: 28817, Stop: 31072, Start Num: 28

Candidate Starts for Kailash_31:

(Start: 28 @28817 has 302 MA's), (50, 28913), (70, 28991), (73, 29018), (106, 29117), (141, 29276), (182, 29456), (187, 29480), (205, 29570), (207, 29576), (217, 29612), (230, 29651), (234, 29660), (240, 29693), (248, 29732), (260, 29777), (275, 29828), (284, 29879), (285, 29888), (300, 29957), (322, 30032), (340, 30077), (344, 30092), (379, 30227), (393, 30281), (398, 30302), (413, 30335), (425, 30380), (439, 30434), (448, 30461), (466, 30518), (472, 30539), (486, 30581), (494, 30620), (509, 30680), (577, 30920), (587, 30953), (588, 30956), (605, 30989), (608, 30995), (635, 31058),

Gene: Kamiyu_31 Start: 28582, Stop: 30807, Start Num: 27

Candidate Starts for Kamiyu_31:

(Start: 27 @28582 has 45 MA's), (Start: 31 @28597 has 1 MA's), (40, 28642), (55, 28699), (74, 28777), (96, 28846), (106, 28858), (112, 28900), (121, 28936), (130, 28963), (133, 28975), (139, 29002), (159, 29092), (175, 29164), (194, 29248), (220, 29356), (226, 29377), (248, 29470), (253, 29485), (283, 29614), (300, 29695), (322, 29770), (337, 29812), (340, 29818), (363, 29917), (379, 29968), (383, 29980), (393, 30022), (398, 30043), (418, 30097), (425, 30121), (435, 30157), (466, 30253), (468, 30262), (486, 30316), (511, 30424), (521, 30451), (533, 30493), (557, 30565), (577, 30655), (588, 30691),

Gene: KarasumaRum_32 Start: 29124, Stop: 31391, Start Num: 28

Candidate Starts for KarasumaRum_32:

(Start: 28 @29124 has 302 MA's), (36, 29172), (Start: 45 @29202 has 1 MA's), (50, 29220), (60, 29256), (65, 29277), (69, 29295), (83, 29358), (109, 29463), (141, 29586), (143, 29592), (167, 29691), (188, 29793), (197, 29847), (230, 29967), (236, 29982), (240, 30009), (284, 30195), (289, 30231), (300, 30273), (322, 30348), (340, 30399), (351, 30435), (363, 30498), (370, 30522), (379, 30549),

(418, 30678), (425, 30702), (466, 30837), (468, 30846), (472, 30858), (486, 30900), (494, 30939), (495, 30942), (508, 30996), (511, 31008), (522, 31038), (527, 31056), (549, 31122), (577, 31239), (635, 31377),

Gene: Katniss_31 Start: 28778, Stop: 31033, Start Num: 28

Candidate Starts for Katniss_31:

(Start: 28 @28778 has 302 MA's), (50, 28874), (70, 28952), (73, 28979), (106, 29078), (141, 29237), (182, 29417), (187, 29441), (205, 29531), (207, 29537), (217, 29573), (230, 29612), (234, 29621), (240, 29654), (248, 29693), (260, 29738), (275, 29789), (284, 29840), (285, 29849), (300, 29918), (322, 29993), (340, 30038), (344, 30053), (379, 30188), (393, 30242), (398, 30263), (413, 30296), (425, 30341), (439, 30395), (466, 30479), (472, 30500), (486, 30542), (494, 30581), (509, 30641), (577, 30881), (587, 30914), (588, 30917), (605, 30950), (608, 30956), (635, 31019),

Gene: Keitherie_31 Start: 28810, Stop: 31071, Start Num: 28

Candidate Starts for Keitherie_31:

(Start: 28 @28810 has 302 MA's), (50, 28906), (70, 28984), (73, 29011), (94, 29086), (106, 29116), (141, 29275), (182, 29455), (187, 29479), (207, 29575), (217, 29611), (230, 29650), (234, 29659), (240, 29692), (248, 29731), (260, 29776), (275, 29827), (285, 29887), (300, 29956), (322, 30031), (340, 30076), (344, 30091), (379, 30226), (393, 30280), (398, 30301), (413, 30334), (425, 30379), (439, 30433), (448, 30460), (466, 30517), (472, 30538), (486, 30580), (494, 30619), (509, 30679), (577, 30919), (588, 30955), (605, 30988), (635, 31057),

Gene: Keshu_26 Start: 21307, Stop: 23655, Start Num: 16

Candidate Starts for Keshu_26:

(Start: 16 @21307 has 68 MA's), (23, 21334), (33, 21367), (43, 21412), (137, 21676), (138, 21682), (141, 21694), (178, 21856), (207, 21976), (209, 21988), (222, 22042), (227, 22057), (229, 22063), (240, 22108), (242, 22123), (249, 22150), (253, 22165), (286, 22282), (295, 22330), (297, 22339), (308, 22372), (312, 22384), (318, 22417), (319, 22420), (323, 22444), (335, 22486), (341, 22507), (349, 22528), (353, 22537), (400, 22723), (423, 22792), (439, 22852), (453, 22900), (480, 22981), (487, 23014), (516, 23143), (524, 23158), (535, 23203), (537, 23212), (549, 23233), (560, 23278), (562, 23284), (570, 23311), (574, 23332), (586, 23374), (606, 23416), (617, 23446), (660, 23545), (661, 23551), (674, 23587),

Gene: Khan1_31 Start: 28499, Stop: 30754, Start Num: 28

Candidate Starts for Khan1_31:

(Start: 28 @28499 has 302 MA's), (50, 28595), (70, 28673), (73, 28700), (106, 28799), (141, 28958), (182, 29138), (187, 29162), (207, 29258), (217, 29294), (230, 29333), (234, 29342), (240, 29375), (248, 29414), (260, 29459), (275, 29510), (284, 29561), (285, 29570), (300, 29639), (322, 29714), (340, 29759), (344, 29774), (379, 29909), (393, 29963), (398, 29984), (413, 30017), (425, 30062), (439, 30116), (448, 30143), (466, 30200), (472, 30221), (486, 30263), (494, 30302), (509, 30362), (577, 30602), (588, 30638), (605, 30671), (635, 30740),

Gene: Kikipoo_31 Start: 28769, Stop: 31024, Start Num: 28

Candidate Starts for Kikipoo_31:

(Start: 28 @28769 has 302 MA's), (50, 28865), (70, 28943), (73, 28970), (106, 29069), (141, 29228), (182, 29408), (187, 29432), (205, 29522), (207, 29528), (217, 29564), (230, 29603), (234, 29612), (240, 29645), (248, 29684), (260, 29729), (275, 29780), (284, 29831), (285, 29840), (300, 29909), (322, 29984), (340, 30029), (344, 30044), (379, 30179), (393, 30233), (398, 30254), (413, 30287), (425, 30332), (439, 30386), (466, 30470), (472, 30491), (486, 30533), (494, 30572), (509, 30632), (577, 30872), (587, 30905), (588, 30908), (605, 30941), (608, 30947), (635, 31010),

Gene: KilKor_21 Start: 18926, Stop: 21559, Start Num: 6

Candidate Starts for KilKor_21:

(Start: 6 @18926 has 7 MA's), (8, 18935), (40, 19079), (114, 19352), (118, 19364), (123, 19385), (131, 19409), (147, 19484), (164, 19556), (171, 19586), (178, 19622), (190, 19685), (195, 19700), (200, 19727), (202, 19733), (222, 19808), (229, 19832), (231, 19838), (236, 19850), (242, 19892), (243, 19898), (263, 19985), (271, 20006), (276, 20030), (287, 20096), (289, 20117), (293, 20135), (305, 20168), (309, 20192), (310, 20195), (320, 20246), (348, 20351), (358, 20393), (396, 20558), (420, 20654), (439, 20732), (444, 20744), (466, 20834), (484, 20894), (487, 20903), (497, 20951), (501, 20960), (530, 21077), (542, 21122), (558, 21164), (574, 21230), (579, 21254), (604, 21302), (605, 21308), (607, 21314), (651, 21413), (655, 21422), (661, 21452), (684, 21542), (687, 21551),

Gene: Kimbrough_31 Start: 28471, Stop: 30726, Start Num: 28

Candidate Starts for Kimbrough_31:

(Start: 28 @28471 has 302 MA's), (50, 28567), (70, 28645), (73, 28672), (106, 28771), (141, 28930), (182, 29110), (187, 29134), (205, 29224), (207, 29230), (217, 29266), (230, 29305), (234, 29314), (240, 29347), (248, 29386), (260, 29431), (275, 29482), (284, 29533), (285, 29542), (300, 29611), (322, 29686), (340, 29731), (344, 29746), (379, 29881), (393, 29935), (398, 29956), (413, 29989), (425, 30034), (439, 30088), (448, 30115), (466, 30172), (472, 30193), (486, 30235), (494, 30274), (509, 30334), (577, 30574), (587, 30607), (588, 30610), (605, 30643), (608, 30649), (635, 30712),

Gene: KingCyrus_33 Start: 23177, Stop: 25654, Start Num: 16

Candidate Starts for KingCyrus_33:

(Start: 16 @23177 has 68 MA's), (22, 23198), (47, 23288), (49, 23297), (72, 23387), (84, 23435), (127, 23567), (177, 23786), (184, 23813), (191, 23855), (207, 23930), (241, 24071), (244, 24086), (257, 24137), (259, 24143), (283, 24245), (290, 24287), (330, 24455), (342, 24497), (349, 24518), (378, 24629), (380, 24632), (395, 24689), (415, 24755), (416, 24758), (421, 24770), (428, 24812), (431, 24821), (439, 24854), (454, 24911), (491, 25037), (499, 25073), (501, 25076), (546, 25226), (549, 25232), (563, 25286), (565, 25298), (569, 25307), (573, 25328), (588, 25382), (639, 25496), (652, 25523), (653, 25526), (667, 25580), (678, 25607),

Gene: KingTut_22 Start: 24140, Stop: 26395, Start Num: 28

Candidate Starts for KingTut_22:

(Start: 28 @24140 has 302 MA's), (50, 24236), (70, 24314), (73, 24341), (106, 24440), (141, 24599), (182, 24779), (187, 24803), (207, 24899), (217, 24935), (230, 24974), (234, 24983), (240, 25016), (248, 25055), (260, 25100), (275, 25151), (284, 25202), (285, 25211), (300, 25280), (322, 25355), (340, 25400), (344, 25415), (379, 25550), (393, 25604), (398, 25625), (413, 25658), (425, 25703), (439, 25757), (448, 25784), (466, 25841), (472, 25862), (486, 25904), (494, 25943), (509, 26003), (577, 26243), (588, 26279), (605, 26312), (635, 26381),

Gene: KingVeVeVe_31 Start: 28744, Stop: 30999, Start Num: 28

Candidate Starts for KingVeVeVe_31:

(Start: 28 @28744 has 302 MA's), (50, 28840), (70, 28918), (73, 28945), (106, 29044), (141, 29203), (182, 29383), (187, 29407), (207, 29503), (217, 29539), (230, 29578), (234, 29587), (240, 29620), (248, 29659), (260, 29704), (275, 29755), (284, 29806), (285, 29815), (300, 29884), (322, 29959), (340, 30004), (344, 30019), (379, 30154), (393, 30208), (398, 30229), (413, 30262), (425, 30307), (439, 30361), (448, 30388), (466, 30445), (472, 30466), (486, 30508), (494, 30547), (509, 30607), (577, 30847), (588, 30883), (605, 30916), (635, 30985),

Gene: Kingsolomon_21 Start: 19724, Stop: 22237, Start Num: 11

Candidate Starts for Kingsolomon_21:

(Start: 11 @19724 has 16 MA's), (20, 19787), (40, 19859), (64, 19949), (66, 19955), (81, 20027), (105, 20114), (138, 20219), (141, 20231), (146, 20249), (153, 20288), (161, 20318), (173, 20375), (179, 20405), (182, 20411), (192, 20465), (194, 20471), (229, 20618), (230, 20621), (234, 20630), (238, 20648), (250, 20708), (253, 20717), (256, 20729), (266, 20780), (268, 20783), (306, 20948), (317, 21005), (343, 21089), (349, 21107), (353, 21116), (366, 21179), (400, 21299), (410, 21323), (415,

21344), (421, 21359), (425, 21377), (434, 21407), (455, 21497), (480, 21566), (487, 21599), (491, 21620), (501, 21656), (507, 21692), (521, 21737), (528, 21761), (530, 21767), (534, 21782), (538, 21800), (566, 21887), (572, 21911), (581, 21947), (583, 21953), (593, 21977), (628, 22052), (631, 22055), (659, 22142), (661, 22151), (663, 22157),

Gene: KirDoubleO7_19 Start: 19718, Stop: 22231, Start Num: 11

Candidate Starts for KirDoubleO7_19:

(Start: 11 @19718 has 16 MA's), (20, 19781), (40, 19853), (66, 19949), (81, 20021), (105, 20108), (138, 20213), (146, 20243), (153, 20282), (161, 20312), (173, 20369), (179, 20399), (182, 20405), (192, 20459), (194, 20465), (229, 20612), (230, 20615), (234, 20624), (238, 20642), (250, 20702), (256, 20723), (266, 20774), (268, 20777), (277, 20804), (306, 20942), (317, 20999), (343, 21083), (349, 21101), (353, 21110), (366, 21173), (385, 21239), (400, 21293), (415, 21338), (421, 21353), (434, 21401), (455, 21491), (459, 21509), (476, 21554), (480, 21560), (487, 21593), (490, 21611), (501, 21650), (507, 21686), (521, 21731), (528, 21755), (534, 21776), (538, 21794), (552, 21827), (572, 21905), (581, 21941), (593, 21971), (628, 22046), (640, 22082), (661, 22145), (663, 22151),

Gene: KlimbOn_31 Start: 28757, Stop: 31012, Start Num: 28

Candidate Starts for KlimbOn_31:

(Start: 28 @28757 has 302 MA's), (50, 28853), (70, 28931), (73, 28958), (106, 29057), (141, 29216), (182, 29396), (187, 29420), (207, 29516), (217, 29552), (230, 29591), (234, 29600), (240, 29633), (248, 29672), (260, 29717), (275, 29768), (284, 29819), (285, 29828), (300, 29897), (322, 29972), (340, 30017), (344, 30032), (379, 30167), (393, 30221), (398, 30242), (413, 30275), (425, 30320), (439, 30374), (448, 30401), (466, 30458), (472, 30479), (486, 30521), (494, 30560), (509, 30620), (577, 30860), (588, 30896), (605, 30929), (635, 30998),

Gene: Kloppinator_31 Start: 28780, Stop: 31035, Start Num: 28

Candidate Starts for Kloppinator_31:

(Start: 28 @28780 has 302 MA's), (50, 28876), (70, 28954), (73, 28981), (106, 29080), (141, 29239), (182, 29419), (187, 29443), (205, 29533), (207, 29539), (217, 29575), (230, 29614), (234, 29623), (240, 29656), (248, 29695), (260, 29740), (275, 29791), (284, 29842), (285, 29851), (300, 29920), (322, 29995), (340, 30040), (344, 30055), (379, 30190), (393, 30244), (398, 30265), (413, 30298), (425, 30343), (439, 30397), (466, 30481), (472, 30502), (486, 30544), (494, 30583), (509, 30643), (577, 30883), (587, 30916), (588, 30919), (605, 30952), (608, 30958), (635, 31021),

Gene: Knocker_32 Start: 31412, Stop: 33868, Start Num: 28

Candidate Starts for Knocker_32:

(Start: 28 @31412 has 302 MA's), (30, 31421), (Start: 45 @31490 has 1 MA's), (55, 31526), (76, 31628), (106, 31715), (108, 31736), (111, 31763), (115, 31772), (128, 31823), (129, 31826), (132, 31838), (134, 31847), (185, 32075), (190, 32105), (192, 32111), (198, 32144), (215, 32210), (225, 32237), (234, 32264), (236, 32270), (240, 32297), (275, 32432), (279, 32450), (283, 32480), (289, 32519), (295, 32546), (314, 32603), (315, 32606), (336, 32693), (342, 32711), (350, 32735), (354, 32744), (395, 32906), (397, 32909), (415, 32972), (416, 32975), (421, 32987), (426, 33017), (431, 33032), (436, 33053), (439, 33065), (454, 33122), (458, 33140), (479, 33194), (486, 33224), (487, 33227), (490, 33245), (491, 33248), (495, 33269), (503, 33302), (505, 33317), (522, 33371), (528, 33392), (529, 33395), (536, 33425), (539, 33437), (549, 33464), (550, 33467), (556, 33488), (571, 33545), (575, 33569), (599, 33641), (634, 33707), (642, 33734), (645, 33737), (647, 33743), (658, 33791), (662, 33812), (671, 33848),

Gene: Kraw_29 Start: 22196, Stop: 24505, Start Num: 16

Candidate Starts for Kraw_29:

(Start: 16 @22196 has 68 MA's), (38, 22286), (43, 22307), (50, 22331), (82, 22448), (140, 22577), (150, 22637), (169, 22709), (171, 22718), (184, 22769), (185, 22775), (187, 22784), (222, 22835), (226, 22847), (231, 22862), (234, 22868), (240, 22901), (251, 22949), (270, 23003), (286, 23075),

(293, 23114), (296, 23126), (302, 23141), (313, 23186), (327, 23255), (354, 23336), (390, 23489), (404, 23531), (435, 23660), (445, 23705), (459, 23771), (464, 23786), (491, 23882), (530, 24035), (534, 24050), (535, 24056), (541, 24080), (544, 24086), (547, 24092), (548, 24095), (554, 24119), (558, 24131), (580, 24227), (605, 24278), (606, 24281), (638, 24350), (654, 24386), (661, 24419), (683, 24482), (687, 24497),

Gene: Kronus_30 Start: 29196, Stop: 31421, Start Num: 27

Candidate Starts for Kronus_30:

(Start: 27 @29196 has 45 MA's), (40, 29256), (55, 29313), (96, 29460), (106, 29472), (112, 29514), (121, 29550), (130, 29577), (133, 29589), (139, 29616), (159, 29706), (175, 29778), (194, 29862), (220, 29970), (226, 29991), (248, 30084), (253, 30099), (283, 30228), (300, 30309), (322, 30384), (337, 30426), (340, 30432), (351, 30468), (379, 30582), (383, 30594), (393, 30636), (398, 30657), (418, 30711), (425, 30735), (435, 30771), (466, 30867), (468, 30876), (486, 30930), (511, 31038), (521, 31065), (533, 31107), (557, 31179), (577, 31269), (588, 31305),

Gene: Krueger_26 Start: 20014, Stop: 22350, Start Num: 16

Candidate Starts for Krueger_26:

(14, 19981), (Start: 16 @20014 has 68 MA's), (18, 20023), (32, 20071), (33, 20074), (67, 20203), (80, 20254), (132, 20350), (134, 20359), (152, 20449), (163, 20488), (178, 20560), (180, 20569), (201, 20662), (222, 20743), (231, 20773), (240, 20812), (242, 20827), (249, 20851), (270, 20911), (281, 20956), (286, 20983), (293, 21022), (297, 21040), (302, 21049), (318, 21118), (319, 21121), (322, 21139), (335, 21181), (341, 21202), (347, 21217), (353, 21232), (373, 21319), (399, 21412), (400, 21415), (423, 21487), (436, 21535), (456, 21616), (466, 21640), (474, 21664), (476, 21670), (487, 21709), (535, 21898), (560, 21973), (574, 22027), (606, 22111), (612, 22129), (651, 22216), (660, 22240), (674, 22282), (688, 22342),

Gene: Krypton555_21 Start: 19647, Stop: 22160, Start Num: 11

Candidate Starts for Krypton555_21:

(Start: 11 @19647 has 16 MA's), (20, 19710), (40, 19782), (90, 19980), (134, 20124), (138, 20142), (141, 20154), (146, 20172), (153, 20211), (157, 20226), (161, 20241), (173, 20298), (179, 20328), (182, 20334), (192, 20388), (194, 20394), (204, 20451), (229, 20541), (230, 20544), (234, 20553), (238, 20571), (250, 20631), (266, 20703), (268, 20706), (298, 20850), (306, 20871), (317, 20928), (343, 21012), (349, 21030), (353, 21039), (400, 21222), (415, 21267), (421, 21282), (425, 21300), (434, 21330), (449, 21390), (455, 21420), (480, 21489), (487, 21522), (491, 21543), (501, 21579), (505, 21609), (528, 21684), (530, 21690), (534, 21705), (538, 21723), (552, 21756), (565, 21807), (566, 21810), (573, 21837), (581, 21870), (593, 21900), (628, 21975), (640, 22011), (661, 22074), (663, 22080), (687, 22152),

Gene: Kwadwo_30 Start: 28461, Stop: 30716, Start Num: 28

Candidate Starts for Kwadwo_30:

(Start: 28 @28461 has 302 MA's), (50, 28557), (70, 28635), (73, 28662), (106, 28761), (141, 28920), (182, 29100), (187, 29124), (205, 29214), (207, 29220), (217, 29256), (230, 29295), (234, 29304), (240, 29337), (248, 29376), (260, 29421), (275, 29472), (284, 29523), (285, 29532), (300, 29601), (322, 29676), (340, 29721), (344, 29736), (379, 29871), (393, 29925), (398, 29946), (413, 29979), (425, 30024), (439, 30078), (448, 30105), (466, 30162), (472, 30183), (486, 30225), (494, 30264), (509, 30324), (577, 30564), (587, 30597), (588, 30600), (605, 30633), (608, 30639), (635, 30702),

Gene: Kwksand96_30 Start: 28329, Stop: 30584, Start Num: 28

Candidate Starts for Kwksand96_30:

(Start: 28 @28329 has 302 MA's), (50, 28425), (70, 28503), (73, 28530), (106, 28629), (141, 28788), (182, 28968), (187, 28992), (207, 29088), (217, 29124), (230, 29163), (234, 29172), (240, 29205), (248, 29244), (260, 29289), (275, 29340), (284, 29391), (285, 29400), (300, 29469), (322, 29544), (340, 29589), (344, 29604), (379, 29739), (393, 29793), (398, 29814), (413, 29847), (425, 29892),

(439, 29946), (448, 29973), (466, 30030), (472, 30051), (486, 30093), (494, 30132), (509, 30192), (577, 30432), (588, 30468), (605, 30501), (635, 30570),

Gene: Labeouficaum_30 Start: 28325, Stop: 30580, Start Num: 28

Candidate Starts for Labeouficaum_30:

(Start: 28 @28325 has 302 MA's), (50, 28421), (70, 28499), (73, 28526), (106, 28625), (141, 28784), (182, 28964), (187, 28988), (207, 29084), (217, 29120), (230, 29159), (234, 29168), (240, 29201), (248, 29240), (260, 29285), (275, 29336), (285, 29396), (300, 29465), (322, 29540), (340, 29585), (344, 29600), (379, 29735), (393, 29789), (398, 29810), (413, 29843), (425, 29888), (439, 29942), (448, 29969), (466, 30026), (472, 30047), (486, 30089), (494, 30128), (509, 30188), (577, 30428), (587, 30461), (588, 30464), (605, 30497), (635, 30566),

Gene: Lambano_27 Start: 27953, Stop: 30250, Start Num: 28

Candidate Starts for Lambano_27:

(Start: 28 @27953 has 302 MA's), (50, 28052), (73, 28157), (83, 28193), (106, 28256), (120, 28337), (138, 28403), (141, 28415), (167, 28520), (174, 28559), (185, 28610), (187, 28619), (201, 28700), (202, 28703), (217, 28766), (231, 28808), (236, 28820), (261, 28943), (269, 28967), (283, 29030), (288, 29060), (289, 29069), (310, 29141), (315, 29162), (322, 29198), (328, 29219), (351, 29285), (356, 29297), (363, 29348), (364, 29351), (369, 29369), (376, 29393), (384, 29420), (393, 29453), (398, 29474), (413, 29507), (425, 29552), (467, 29693), (468, 29696), (472, 29708), (495, 29792), (533, 29927), (540, 29951), (558, 30014), (564, 30044), (567, 30050), (577, 30098), (587, 30131), (588, 30134), (635, 30236), (636, 30239),

Gene: LasagnaCat_31 Start: 28763, Stop: 31018, Start Num: 28

Candidate Starts for LasagnaCat_31:

(Start: 28 @28763 has 302 MA's), (50, 28859), (70, 28937), (73, 28964), (106, 29063), (141, 29222), (182, 29402), (187, 29426), (205, 29516), (207, 29522), (217, 29558), (230, 29597), (234, 29606), (240, 29639), (248, 29678), (260, 29723), (275, 29774), (284, 29825), (285, 29834), (300, 29903), (322, 29978), (340, 30023), (344, 30038), (379, 30173), (393, 30227), (398, 30248), (413, 30281), (425, 30326), (439, 30380), (448, 30407), (466, 30464), (472, 30485), (486, 30527), (494, 30566), (509, 30626), (577, 30866), (587, 30899), (588, 30902), (605, 30935), (608, 30941), (635, 31004),

Gene: Lasso_31 Start: 28736, Stop: 30991, Start Num: 28

Candidate Starts for Lasso_31:

(Start: 28 @28736 has 302 MA's), (50, 28832), (70, 28910), (73, 28937), (106, 29036), (141, 29195), (182, 29375), (187, 29399), (205, 29489), (207, 29495), (217, 29531), (230, 29570), (234, 29579), (240, 29612), (248, 29651), (260, 29696), (275, 29747), (284, 29798), (285, 29807), (300, 29876), (322, 29951), (340, 29996), (344, 30011), (379, 30146), (393, 30200), (398, 30221), (413, 30254), (425, 30299), (439, 30353), (448, 30380), (466, 30437), (472, 30458), (486, 30500), (494, 30539), (509, 30599), (577, 30839), (588, 30875), (605, 30908), (635, 30977),

Gene: LastHope_27 Start: 20175, Stop: 22487, Start Num: 16

Candidate Starts for LastHope_27:

(Start: 16 @20175 has 68 MA's), (58, 20325), (63, 20346), (77, 20403), (80, 20415), (119, 20469), (132, 20514), (142, 20556), (144, 20568), (152, 20613), (178, 20724), (183, 20745), (218, 20796), (224, 20811), (229, 20826), (248, 20907), (254, 20937), (270, 20976), (277, 20991), (285, 21051), (306, 21135), (321, 21207), (401, 21510), (404, 21516), (419, 21570), (420, 21573), (422, 21585), (426, 21612), (432, 21630), (434, 21636), (459, 21753), (464, 21768), (530, 22017), (534, 22032), (541, 22062), (554, 22101), (558, 22113), (580, 22209), (592, 22239), (612, 22281), (621, 22302), (643, 22344), (654, 22368), (655, 22371), (660, 22395), (661, 22401), (683, 22464), (687, 22479),

Gene: LeeLot_31 Start: 28767, Stop: 31022, Start Num: 28

Candidate Starts for LeeLot_31:

(Start: 28 @28767 has 302 MA's), (50, 28863), (70, 28941), (73, 28968), (106, 29067), (141, 29226), (182, 29406), (187, 29430), (205, 29520), (207, 29526), (217, 29562), (230, 29601), (234, 29610), (240, 29643), (248, 29682), (260, 29727), (275, 29778), (284, 29829), (285, 29838), (300, 29907), (322, 29982), (340, 30027), (344, 30042), (379, 30177), (393, 30231), (398, 30252), (413, 30285), (425, 30330), (439, 30384), (448, 30411), (466, 30468), (472, 30489), (486, 30531), (494, 30570), (509, 30630), (577, 30870), (588, 30906), (605, 30939), (635, 31008),

Gene: Lego3393_31 Start: 28772, Stop: 31027, Start Num: 28

Candidate Starts for Lego3393_31:

(Start: 28 @28772 has 302 MA's), (50, 28868), (70, 28946), (73, 28973), (106, 29072), (141, 29231), (182, 29411), (187, 29435), (205, 29525), (207, 29531), (217, 29567), (230, 29606), (234, 29615), (240, 29648), (248, 29687), (260, 29732), (275, 29783), (284, 29834), (285, 29843), (300, 29912), (322, 29987), (340, 30032), (344, 30047), (379, 30182), (393, 30236), (398, 30257), (413, 30290), (425, 30335), (439, 30389), (448, 30416), (466, 30473), (472, 30494), (486, 30536), (494, 30575), (509, 30635), (577, 30875), (587, 30908), (588, 30911), (605, 30944), (608, 30950), (635, 31013),

Gene: Legolas_30 Start: 28477, Stop: 30732, Start Num: 28

Candidate Starts for Legolas_30:

(Start: 28 @28477 has 302 MA's), (50, 28573), (70, 28651), (73, 28678), (106, 28777), (141, 28936), (182, 29116), (187, 29140), (205, 29230), (207, 29236), (217, 29272), (230, 29311), (234, 29320), (240, 29353), (248, 29392), (260, 29437), (275, 29488), (284, 29539), (285, 29548), (300, 29617), (322, 29692), (340, 29737), (344, 29752), (379, 29887), (393, 29941), (398, 29962), (413, 29995), (425, 30040), (439, 30094), (448, 30121), (466, 30178), (472, 30199), (486, 30241), (494, 30280), (509, 30340), (577, 30580), (587, 30613), (588, 30616), (605, 30649), (608, 30655), (635, 30718),

Gene: LeiMonet_31 Start: 28468, Stop: 30723, Start Num: 28

Candidate Starts for LeiMonet_31:

(Start: 28 @28468 has 302 MA's), (50, 28564), (70, 28642), (73, 28669), (106, 28768), (141, 28927), (182, 29107), (187, 29131), (205, 29221), (207, 29227), (217, 29263), (230, 29302), (234, 29311), (240, 29344), (248, 29383), (260, 29428), (275, 29479), (284, 29530), (285, 29539), (300, 29608), (322, 29683), (340, 29728), (344, 29743), (379, 29878), (393, 29932), (398, 29953), (413, 29986), (425, 30031), (439, 30085), (448, 30112), (466, 30169), (472, 30190), (486, 30232), (494, 30271), (509, 30331), (577, 30571), (588, 30607), (605, 30640), (635, 30709),

Gene: LemonSlice_31 Start: 28464, Stop: 30719, Start Num: 28

Candidate Starts for LemonSlice_31:

(Start: 28 @28464 has 302 MA's), (50, 28560), (70, 28638), (73, 28665), (106, 28764), (141, 28923), (182, 29103), (187, 29127), (205, 29217), (207, 29223), (217, 29259), (230, 29298), (234, 29307), (240, 29340), (248, 29379), (260, 29424), (275, 29475), (284, 29526), (285, 29535), (300, 29604), (322, 29679), (340, 29724), (344, 29739), (379, 29874), (393, 29928), (398, 29949), (413, 29982), (425, 30027), (439, 30081), (448, 30108), (466, 30165), (472, 30186), (486, 30228), (494, 30267), (509, 30327), (577, 30567), (587, 30600), (588, 30603), (605, 30636), (608, 30642), (635, 30705),

Gene: LestyG_31 Start: 28617, Stop: 30842, Start Num: 27

Candidate Starts for LestyG_31:

(Start: 27 @28617 has 45 MA's), (Start: 31 @28632 has 1 MA's), (40, 28677), (55, 28734), (74, 28812), (96, 28881), (106, 28893), (112, 28935), (121, 28971), (130, 28998), (133, 29010), (139, 29037), (159, 29127), (175, 29199), (194, 29283), (220, 29391), (226, 29412), (248, 29505), (253, 29520), (283, 29649), (300, 29730), (322, 29805), (337, 29847), (340, 29853), (351, 29889), (379, 30003), (383, 30015), (393, 30057), (398, 30078), (418, 30132), (425, 30156), (435, 30192), (466, 30288), (468, 30297), (486, 30351), (511, 30459), (521, 30486), (533, 30528), (557, 30600), (577, 30690), (588, 30726),

Gene: LilPharaoh_23 Start: 20414, Stop: 22900, Start Num: 16

Candidate Starts for LilPharaoh_23:

(Start: 16 @20414 has 68 MA's), (Start: 31 @20462 has 1 MA's), (77, 20642), (78, 20645), (119, 20708), (121, 20720), (152, 20852), (163, 20891), (175, 20948), (180, 20972), (183, 20984), (194, 21032), (195, 21035), (203, 21068), (211, 21107), (222, 21140), (226, 21152), (229, 21161), (231, 21167), (245, 21233), (249, 21248), (276, 21359), (281, 21392), (297, 21476), (303, 21491), (318, 21551), (338, 21620), (361, 21740), (385, 21833), (417, 21947), (438, 22025), (439, 22031), (445, 22055), (458, 22118), (459, 22121), (462, 22133), (483, 22199), (484, 22205), (493, 22247), (497, 22268), (501, 22277), (506, 22310), (510, 22328), (530, 22397), (560, 22496), (562, 22502), (566, 22520), (578, 22574), (583, 22589), (595, 22616), (624, 22673),

Gene: LiyuLake_21 Start: 19709, Stop: 22219, Start Num: 11

Candidate Starts for LiyuLake_21:

(Start: 11 @19709 has 16 MA's), (20, 19772), (53, 19892), (99, 20078), (138, 20204), (141, 20216), (146, 20234), (153, 20273), (161, 20303), (179, 20390), (192, 20450), (194, 20456), (228, 20597), (230, 20603), (234, 20612), (238, 20630), (250, 20690), (256, 20711), (266, 20762), (268, 20765), (283, 20834), (317, 20987), (343, 21071), (349, 21089), (353, 21098), (382, 21209), (385, 21227), (400, 21281), (415, 21326), (421, 21341), (434, 21389), (455, 21479), (459, 21497), (480, 21548), (487, 21581), (490, 21599), (491, 21602), (501, 21638), (505, 21668), (507, 21674), (521, 21719), (528, 21743), (530, 21749), (534, 21764), (538, 21782), (552, 21815), (553, 21818), (566, 21869), (583, 21935), (593, 21959), (628, 22034), (640, 22070), (663, 22139),

Gene: Lolalove_28 Start: 28979, Stop: 31276, Start Num: 28

Candidate Starts for Lolalove_28:

(Start: 1 @28292 has 1 MA's), (2, 28439), (Start: 28 @28979 has 302 MA's), (50, 29078), (55, 29096), (83, 29219), (106, 29282), (120, 29363), (138, 29429), (167, 29546), (174, 29585), (185, 29636), (187, 29645), (197, 29702), (201, 29726), (202, 29729), (217, 29792), (231, 29834), (236, 29846), (261, 29969), (269, 29993), (278, 30023), (279, 30026), (283, 30056), (310, 30167), (315, 30188), (318, 30209), (322, 30224), (328, 30245), (351, 30311), (363, 30374), (364, 30377), (369, 30395), (376, 30419), (384, 30446), (393, 30479), (398, 30500), (413, 30533), (425, 30578), (467, 30719), (472, 30734), (495, 30818), (527, 30932), (533, 30953), (540, 30977), (558, 31040), (564, 31070), (577, 31124), (587, 31157), (588, 31160), (635, 31262), (636, 31265),

Gene: Lolly9_21 Start: 19528, Stop: 22035, Start Num: 11

Candidate Starts for Lolly9_21:

(Start: 11 @19528 has 16 MA's), (20, 19591), (40, 19663), (53, 19711), (99, 19897), (138, 20023), (146, 20053), (153, 20092), (161, 20122), (179, 20209), (186, 20236), (192, 20269), (194, 20275), (204, 20326), (228, 20413), (230, 20419), (234, 20428), (238, 20446), (250, 20506), (256, 20527), (266, 20578), (268, 20581), (283, 20650), (317, 20803), (343, 20887), (349, 20905), (353, 20914), (400, 21097), (410, 21121), (415, 21142), (421, 21157), (434, 21205), (455, 21295), (456, 21304), (487, 21397), (490, 21415), (491, 21418), (507, 21490), (528, 21559), (530, 21565), (534, 21580), (538, 21598), (552, 21631), (553, 21634), (566, 21685), (572, 21709), (583, 21751), (593, 21775), (628, 21850), (631, 21853), (663, 21955),

Gene: Longacauda_30 Start: 28469, Stop: 30724, Start Num: 28

Candidate Starts for Longacauda_30:

(Start: 28 @28469 has 302 MA's), (50, 28565), (70, 28643), (73, 28670), (106, 28769), (141, 28928), (182, 29108), (187, 29132), (207, 29228), (217, 29264), (230, 29303), (234, 29312), (240, 29345), (248, 29384), (260, 29429), (275, 29480), (284, 29531), (285, 29540), (300, 29609), (322, 29684), (340, 29729), (344, 29744), (379, 29879), (393, 29933), (398, 29954), (413, 29987), (425, 30032), (439, 30086), (448, 30113), (466, 30170), (472, 30191), (486, 30233), (494, 30272), (509, 30332), (577, 30572), (588, 30608), (605, 30641), (635, 30710),

Gene: Lopsy_30 Start: 28319, Stop: 30574, Start Num: 28

Candidate Starts for Lopsy_30:

(Start: 28 @28319 has 302 MA's), (50, 28415), (70, 28493), (73, 28520), (106, 28619), (141, 28778), (182, 28958), (187, 28982), (207, 29078), (217, 29114), (230, 29153), (234, 29162), (240, 29195), (248, 29234), (260, 29279), (275, 29330), (284, 29381), (285, 29390), (300, 29459), (322, 29534), (340, 29579), (344, 29594), (379, 29729), (393, 29783), (398, 29804), (413, 29837), (425, 29882), (439, 29936), (448, 29963), (466, 30020), (472, 30041), (486, 30083), (494, 30122), (509, 30182), (577, 30422), (588, 30458), (605, 30491), (635, 30560),

Gene: LostAndPhound_30 Start: 28470, Stop: 30725, Start Num: 28

Candidate Starts for LostAndPhound_30:

(Start: 28 @28470 has 302 MA's), (50, 28566), (70, 28644), (73, 28671), (106, 28770), (141, 28929), (182, 29109), (187, 29133), (205, 29223), (207, 29229), (217, 29265), (230, 29304), (234, 29313), (240, 29346), (248, 29385), (260, 29430), (275, 29481), (284, 29532), (285, 29541), (300, 29610), (322, 29685), (340, 29730), (344, 29745), (379, 29880), (393, 29934), (398, 29955), (413, 29988), (425, 30033), (439, 30087), (448, 30114), (466, 30171), (472, 30192), (486, 30234), (494, 30273), (509, 30333), (577, 30573), (588, 30609), (605, 30642), (635, 30711),

Gene: LuckyMarjie_30 Start: 28479, Stop: 30734, Start Num: 28

Candidate Starts for LuckyMarjie_30:

(Start: 28 @28479 has 302 MA's), (50, 28575), (70, 28653), (73, 28680), (106, 28779), (141, 28938), (182, 29118), (187, 29142), (205, 29232), (207, 29238), (217, 29274), (230, 29313), (234, 29322), (240, 29355), (248, 29394), (260, 29439), (275, 29490), (284, 29541), (285, 29550), (300, 29619), (322, 29694), (340, 29739), (344, 29754), (379, 29889), (393, 29943), (398, 29964), (413, 29997), (425, 30042), (439, 30096), (448, 30123), (466, 30180), (472, 30201), (486, 30243), (494, 30282), (509, 30342), (577, 30582), (588, 30618), (605, 30651), (635, 30720),

Gene: Lulumae_30 Start: 28461, Stop: 30716, Start Num: 28

Candidate Starts for Lulumae_30:

(Start: 28 @28461 has 302 MA's), (50, 28557), (70, 28635), (73, 28662), (106, 28761), (141, 28920), (182, 29100), (187, 29124), (205, 29214), (207, 29220), (217, 29256), (230, 29295), (234, 29304), (240, 29337), (248, 29376), (260, 29421), (275, 29472), (284, 29523), (285, 29532), (300, 29601), (322, 29676), (340, 29721), (344, 29736), (379, 29871), (393, 29925), (398, 29946), (413, 29979), (425, 30024), (439, 30078), (466, 30162), (472, 30183), (486, 30225), (494, 30264), (509, 30324), (577, 30564), (587, 30597), (588, 30600), (605, 30633), (608, 30639), (635, 30702),

Gene: Lulwa_31 Start: 28748, Stop: 31003, Start Num: 28

Candidate Starts for Lulwa_31:

(Start: 28 @28748 has 302 MA's), (50, 28844), (70, 28922), (73, 28949), (106, 29048), (141, 29207), (182, 29387), (187, 29411), (205, 29501), (207, 29507), (217, 29543), (230, 29582), (234, 29591), (240, 29624), (248, 29663), (260, 29708), (275, 29759), (284, 29810), (285, 29819), (300, 29888), (322, 29963), (340, 30008), (344, 30023), (379, 30158), (393, 30212), (398, 30233), (413, 30266), (425, 30311), (439, 30365), (448, 30392), (466, 30449), (472, 30470), (486, 30512), (494, 30551), (509, 30611), (577, 30851), (588, 30887), (605, 30920), (635, 30989),

Gene: Lumine_30 Start: 28457, Stop: 30712, Start Num: 28

Candidate Starts for Lumine_30:

(Start: 28 @28457 has 302 MA's), (50, 28553), (70, 28631), (73, 28658), (106, 28757), (141, 28916), (182, 29096), (187, 29120), (205, 29210), (207, 29216), (217, 29252), (230, 29291), (234, 29300), (240, 29333), (248, 29372), (260, 29417), (275, 29468), (284, 29519), (285, 29528), (300, 29597), (322, 29672), (340, 29717), (344, 29732), (379, 29867), (393, 29921), (398, 29942), (413, 29975), (425, 30020), (439, 30074), (448, 30101), (466, 30158), (472, 30179), (486, 30221), (494, 30260), (509, 30320), (577, 30560), (587, 30593), (588, 30596), (605, 30629), (608, 30635), (635, 30698),

Gene: Lumos_21 Start: 19721, Stop: 22234, Start Num: 11

Candidate Starts for Lumos_21:

(Start: 11 @19721 has 16 MA's), (20, 19784), (40, 19856), (64, 19946), (66, 19952), (81, 20024), (105, 20111), (138, 20216), (141, 20228), (146, 20246), (153, 20285), (161, 20315), (173, 20372), (179, 20402), (182, 20408), (192, 20462), (194, 20468), (229, 20615), (230, 20618), (234, 20627), (238, 20645), (250, 20705), (253, 20714), (256, 20726), (266, 20777), (268, 20780), (306, 20945), (317, 21002), (343, 21086), (349, 21104), (353, 21113), (366, 21176), (400, 21296), (410, 21320), (415, 21341), (421, 21356), (425, 21374), (434, 21404), (455, 21494), (480, 21563), (487, 21596), (491, 21617), (501, 21653), (507, 21689), (521, 21734), (528, 21758), (530, 21764), (534, 21779), (538, 21797), (566, 21884), (572, 21908), (581, 21944), (583, 21950), (593, 21974), (628, 22049), (631, 22052), (659, 22139), (661, 22148), (663, 22154),

Gene: MRabcd_30 Start: 28461, Stop: 30716, Start Num: 28

Candidate Starts for MRabcd_30:

(Start: 28 @28461 has 302 MA's), (50, 28557), (70, 28635), (73, 28662), (106, 28761), (141, 28920), (182, 29100), (187, 29124), (205, 29214), (207, 29220), (217, 29256), (230, 29295), (234, 29304), (240, 29337), (248, 29376), (260, 29421), (275, 29472), (284, 29523), (285, 29532), (300, 29601), (322, 29676), (340, 29721), (344, 29736), (379, 29871), (393, 29925), (398, 29946), (413, 29979), (425, 30024), (439, 30078), (448, 30105), (466, 30162), (472, 30183), (486, 30225), (494, 30264), (509, 30324), (577, 30564), (587, 30597), (588, 30600), (605, 30633), (608, 30639), (635, 30702),

Gene: MacnCheese_27 Start: 21549, Stop: 24002, Start Num: 16

Candidate Starts for MacnCheese_27:

(Start: 16 @21549 has 68 MA's), (23, 21576), (33, 21609), (35, 21621), (61, 21714), (125, 21978), (137, 22023), (141, 22041), (145, 22059), (148, 22077), (165, 22137), (168, 22155), (176, 22191), (187, 22242), (222, 22389), (253, 22512), (286, 22629), (294, 22671), (295, 22677), (297, 22686), (306, 22710), (319, 22776), (322, 22794), (335, 22836), (341, 22857), (349, 22878), (353, 22887), (373, 22974), (399, 23067), (400, 23070), (423, 23142), (456, 23271), (459, 23280), (476, 23325), (480, 23331), (487, 23364), (490, 23382), (514, 23481), (520, 23499), (535, 23553), (552, 23598), (562, 23634), (574, 23682), (606, 23766), (660, 23895), (674, 23934),

Gene: Maco6_22 Start: 18657, Stop: 20975, Start Num: 19

Candidate Starts for Maco6_22:

(Start: 19 @18657 has 2 MA's), (72, 18858), (82, 18903), (85, 18915), (121, 19026), (142, 19092), (174, 19233), (199, 19365), (210, 19404), (214, 19416), (226, 19455), (232, 19473), (240, 19509), (255, 19569), (275, 19644), (280, 19671), (292, 19734), (309, 19791), (379, 19986), (381, 19989), (400, 20055), (408, 20073), (410, 20079), (411, 20082), (412, 20085), (446, 20208), (456, 20256), (467, 20286), (485, 20331), (487, 20337), (496, 20379), (504, 20415), (516, 20466), (523, 20481), (528, 20499), (549, 20556), (554, 20577), (559, 20598), (574, 20655), (578, 20676), (593, 20715), (612, 20757), (628, 20790), (633, 20796), (635, 20811), (663, 20895),

Gene: Mag7_30 Start: 28367, Stop: 30622, Start Num: 28

Candidate Starts for Mag7_30:

(Start: 28 @28367 has 302 MA's), (50, 28463), (70, 28541), (73, 28568), (106, 28667), (141, 28826), (182, 29006), (187, 29030), (205, 29120), (207, 29126), (217, 29162), (230, 29201), (234, 29210), (240, 29243), (248, 29282), (260, 29327), (275, 29378), (284, 29429), (285, 29438), (300, 29507), (322, 29582), (340, 29627), (344, 29642), (379, 29777), (393, 29831), (398, 29852), (413, 29885), (425, 29930), (439, 29984), (448, 30011), (466, 30068), (472, 30089), (486, 30131), (494, 30170), (509, 30230), (577, 30470), (587, 30503), (588, 30506), (605, 30539), (608, 30545), (635, 30608),

Gene: Magic8_31 Start: 28802, Stop: 31057, Start Num: 28

Candidate Starts for Magic8_31:

(Start: 28 @28802 has 302 MA's), (50, 28898), (70, 28976), (73, 29003), (106, 29102), (141, 29261), (182, 29441), (187, 29465), (205, 29555), (207, 29561), (217, 29597), (230, 29636), (234, 29645), (240, 29678), (248, 29717), (260, 29762), (275, 29813), (284, 29864), (285, 29873), (300, 29942), (322, 30017), (340, 30062), (344, 30077), (379, 30212), (393, 30266), (398, 30287), (413, 30320), (425, 30365), (439, 30419), (448, 30446), (466, 30503), (472, 30524), (486, 30566), (494, 30605), (509, 30665), (577, 30905), (588, 30941), (605, 30974), (635, 31043),

Gene: Magpie_27 Start: 28808, Stop: 31105, Start Num: 28

Candidate Starts for Magpie_27:

(Start: 28 @28808 has 302 MA's), (50, 28907), (55, 28925), (106, 29111), (120, 29192), (138, 29258), (167, 29375), (174, 29414), (185, 29465), (187, 29474), (197, 29531), (201, 29555), (217, 29621), (231, 29663), (236, 29675), (269, 29822), (283, 29885), (310, 29996), (315, 30017), (328, 30074), (351, 30140), (356, 30152), (363, 30203), (364, 30206), (369, 30224), (376, 30248), (384, 30275), (393, 30308), (398, 30329), (413, 30362), (425, 30407), (467, 30548), (468, 30551), (472, 30563), (495, 30647), (527, 30761), (533, 30782), (540, 30806), (558, 30869), (564, 30899), (567, 30905), (577, 30953), (587, 30986), (588, 30989), (635, 31091), (636, 31094),

Gene: MalagasyRose_27 Start: 20187, Stop: 22691, Start Num: 39

Candidate Starts for MalagasyRose_27:

(Start: 39 @20187 has 1 MA's), (92, 20397), (98, 20412), (108, 20445), (119, 20496), (170, 20712), (171, 20715), (175, 20736), (204, 20868), (205, 20871), (213, 20913), (215, 20916), (231, 20970), (232, 20973), (234, 20976), (236, 20982), (240, 21009), (246, 21039), (257, 21084), (262, 21114), (280, 21189), (291, 21270), (293, 21279), (304, 21315), (310, 21351), (320, 21402), (322, 21414), (345, 21501), (348, 21510), (357, 21543), (360, 21582), (375, 21642), (407, 21750), (423, 21822), (437, 21876), (451, 21939), (454, 21954), (460, 21978), (465, 21996), (470, 22014), (471, 22020), (478, 22035), (487, 22071), (491, 22092), (492, 22101), (513, 22191), (554, 22335), (558, 22347), (560, 22359), (572, 22407), (573, 22410), (574, 22413), (585, 22455), (605, 22476), (612, 22497), (613, 22500), (622, 22512), (659, 22596), (687, 22683),

Gene: Malthus_29 Start: 22196, Stop: 24505, Start Num: 16

Candidate Starts for Malthus_29:

(Start: 16 @22196 has 68 MA's), (38, 22286), (43, 22307), (50, 22331), (82, 22448), (140, 22577), (150, 22637), (169, 22709), (171, 22718), (184, 22769), (185, 22775), (187, 22784), (222, 22835), (226, 22847), (231, 22862), (234, 22868), (240, 22901), (251, 22949), (270, 23003), (286, 23075), (293, 23114), (296, 23126), (302, 23141), (313, 23186), (327, 23255), (354, 23336), (390, 23489), (404, 23531), (435, 23660), (445, 23705), (459, 23771), (464, 23786), (491, 23882), (530, 24035), (534, 24050), (535, 24056), (541, 24080), (544, 24086), (547, 24092), (548, 24095), (554, 24119), (558, 24131), (580, 24227), (605, 24278), (606, 24281), (638, 24350), (654, 24386), (661, 24419), (681, 24473), (683, 24482), (687, 24497),

Gene: Mana_30 Start: 28476, Stop: 30731, Start Num: 28

Candidate Starts for Mana_30:

(Start: 28 @28476 has 302 MA's), (50, 28572), (70, 28650), (73, 28677), (106, 28776), (141, 28935), (182, 29115), (187, 29139), (205, 29229), (207, 29235), (217, 29271), (230, 29310), (234, 29319), (240, 29352), (248, 29391), (260, 29436), (275, 29487), (284, 29538), (285, 29547), (300, 29616), (322, 29691), (340, 29736), (344, 29751), (379, 29886), (393, 29940), (398, 29961), (413, 29994), (425, 30039), (439, 30093), (448, 30120), (466, 30177), (472, 30198), (486, 30240), (494, 30279), (509, 30339), (577, 30579), (588, 30615), (605, 30648), (635, 30717),

Gene: Manad_30 Start: 28315, Stop: 30573, Start Num: 28

Candidate Starts for Manad_30:

(Start: 28 @28315 has 302 MA's), (50, 28411), (70, 28489), (73, 28516), (106, 28618), (141, 28777), (182, 28957), (187, 28981), (207, 29077), (217, 29113), (230, 29152), (234, 29161), (240, 29194),

(248, 29233), (260, 29278), (275, 29329), (284, 29380), (285, 29389), (300, 29458), (322, 29533), (340, 29578), (344, 29593), (379, 29728), (393, 29782), (398, 29803), (413, 29836), (425, 29881), (439, 29935), (466, 30019), (472, 30040), (486, 30082), (494, 30121), (509, 30181), (577, 30421), (587, 30454), (588, 30457), (605, 30490), (608, 30496), (635, 30559),

Gene: Marcoliusprime_23 Start: 18661, Stop: 21000, Start Num: 16

Candidate Starts for Marcoliusprime_23:

(Start: 16 @18661 has 68 MA's), (63, 18832), (67, 18850), (72, 18874), (134, 19018), (142, 19051), (172, 19180), (175, 19189), (178, 19204), (181, 19216), (183, 19225), (194, 19273), (217, 19369), (222, 19387), (229, 19408), (240, 19453), (270, 19555), (286, 19627), (294, 19669), (295, 19675), (297, 19684), (318, 19771), (322, 19792), (335, 19834), (341, 19855), (373, 19972), (377, 19981), (402, 20071), (421, 20125), (423, 20137), (430, 20161), (459, 20275), (469, 20302), (487, 20359), (501, 20416), (535, 20548), (549, 20578), (562, 20629), (566, 20647), (574, 20677), (590, 20731), (606, 20761), (613, 20782), (670, 20914),

Gene: Marley1013_31 Start: 29395, Stop: 31620, Start Num: 27

Candidate Starts for Marley1013_31:

(Start: 27 @29395 has 45 MA's), (Start: 31 @29410 has 1 MA's), (40, 29455), (55, 29512), (74, 29590), (96, 29659), (106, 29671), (112, 29713), (121, 29749), (130, 29776), (133, 29788), (139, 29815), (159, 29905), (175, 29977), (194, 30061), (220, 30169), (226, 30190), (248, 30283), (253, 30298), (283, 30427), (300, 30508), (322, 30583), (337, 30625), (340, 30631), (351, 30667), (379, 30781), (383, 30793), (393, 30835), (398, 30856), (418, 30910), (425, 30934), (466, 31066), (468, 31075), (486, 31129), (511, 31237), (521, 31264), (533, 31306), (557, 31378), (577, 31468), (588, 31504),

Gene: Maru_30 Start: 28469, Stop: 30724, Start Num: 28

Candidate Starts for Maru_30:

(Start: 28 @28469 has 302 MA's), (50, 28565), (70, 28643), (73, 28670), (106, 28769), (141, 28928), (182, 29108), (187, 29132), (205, 29222), (207, 29228), (217, 29264), (230, 29303), (234, 29312), (240, 29345), (248, 29384), (260, 29429), (275, 29480), (284, 29531), (285, 29540), (300, 29609), (322, 29684), (340, 29729), (344, 29744), (379, 29879), (393, 29933), (398, 29954), (413, 29987), (425, 30032), (439, 30086), (448, 30113), (466, 30170), (472, 30191), (486, 30233), (494, 30272), (509, 30332), (577, 30572), (588, 30608), (605, 30641), (635, 30710),

Gene: Maskar_30 Start: 28315, Stop: 30570, Start Num: 28

Candidate Starts for Maskar_30:

(Start: 28 @28315 has 302 MA's), (50, 28411), (70, 28489), (73, 28516), (106, 28615), (141, 28774), (182, 28954), (187, 28978), (207, 29074), (217, 29110), (230, 29149), (234, 29158), (240, 29191), (248, 29230), (260, 29275), (275, 29326), (284, 29377), (285, 29386), (300, 29455), (322, 29530), (340, 29575), (344, 29590), (379, 29725), (393, 29779), (398, 29800), (413, 29833), (425, 29878), (439, 29932), (448, 29959), (466, 30016), (472, 30037), (486, 30079), (494, 30118), (509, 30178), (577, 30418), (588, 30454), (605, 30487), (635, 30556),

Gene: Matalotodo_31 Start: 28762, Stop: 31017, Start Num: 28

Candidate Starts for Matalotodo_31:

(Start: 28 @28762 has 302 MA's), (50, 28858), (70, 28936), (73, 28963), (106, 29062), (141, 29221), (182, 29401), (187, 29425), (205, 29515), (207, 29521), (217, 29557), (230, 29596), (234, 29605), (240, 29638), (248, 29677), (260, 29722), (275, 29773), (284, 29824), (285, 29833), (300, 29902), (322, 29977), (340, 30022), (344, 30037), (379, 30172), (393, 30226), (398, 30247), (413, 30280), (425, 30325), (439, 30379), (448, 30406), (466, 30463), (472, 30484), (486, 30526), (494, 30565), (509, 30625), (577, 30865), (588, 30901), (605, 30934), (635, 31003),

Gene: McMater_27 Start: 20230, Stop: 22731, Start Num: 16

Candidate Starts for McMater_27:

(Start: 16 @20230 has 68 MA's), (Start: 31 @20278 has 1 MA's), (42, 20329), (63, 20401), (75, 20452), (80, 20470), (91, 20503), (119, 20524), (121, 20536), (137, 20590), (152, 20668), (163, 20707), (175, 20764), (183, 20800), (195, 20851), (203, 20881), (208, 20896), (211, 20920), (222, 20953), (229, 20974), (231, 20980), (240, 21019), (276, 21172), (281, 21205), (283, 21217), (295, 21280), (318, 21364), (360, 21547), (374, 21601), (385, 21643), (438, 21835), (439, 21841), (445, 21865), (458, 21928), (470, 21967), (489, 22030), (501, 22087), (506, 22120), (510, 22138), (521, 22177), (532, 22216), (534, 22222), (552, 22279), (581, 22393), (607, 22447), (612, 22462), (625, 22492), (633, 22504), (653, 22561), (657, 22579), (666, 22609), (668, 22627), (686, 22708),

Gene: Mcshane_30 Start: 28459, Stop: 30714, Start Num: 28

Candidate Starts for Mcshane_30:

(Start: 28 @28459 has 302 MA's), (50, 28555), (70, 28633), (73, 28660), (106, 28759), (141, 28918), (182, 29098), (187, 29122), (205, 29212), (207, 29218), (217, 29254), (230, 29293), (234, 29302), (240, 29335), (248, 29374), (260, 29419), (275, 29470), (284, 29521), (285, 29530), (300, 29599), (322, 29674), (340, 29719), (344, 29734), (379, 29869), (393, 29923), (398, 29944), (413, 29977), (425, 30022), (439, 30076), (448, 30103), (466, 30160), (472, 30181), (486, 30223), (494, 30262), (509, 30322), (577, 30562), (588, 30598), (605, 30631), (635, 30700),

Gene: Mdavu_23 Start: 20402, Stop: 22888, Start Num: 16

Candidate Starts for Mdavu_23:

(Start: 16 @20402 has 68 MA's), (Start: 31 @20450 has 1 MA's), (77, 20630), (78, 20633), (119, 20696), (121, 20708), (152, 20840), (163, 20879), (175, 20936), (180, 20960), (183, 20972), (194, 21020), (195, 21023), (203, 21056), (211, 21095), (222, 21128), (226, 21140), (229, 21149), (231, 21155), (245, 21221), (249, 21236), (276, 21347), (281, 21380), (297, 21464), (303, 21479), (318, 21539), (338, 21608), (361, 21728), (385, 21821), (417, 21935), (438, 22013), (439, 22019), (445, 22043), (458, 22106), (459, 22109), (462, 22121), (483, 22187), (484, 22193), (493, 22235), (497, 22256), (501, 22265), (506, 22298), (510, 22316), (530, 22385), (560, 22484), (562, 22490), (566, 22508), (578, 22562), (583, 22577), (595, 22604), (624, 22661),

Gene: Mecca_30 Start: 28462, Stop: 30717, Start Num: 28

Candidate Starts for Mecca_30:

(Start: 28 @28462 has 302 MA's), (50, 28558), (70, 28636), (73, 28663), (106, 28762), (141, 28921), (182, 29101), (187, 29125), (205, 29215), (207, 29221), (217, 29257), (230, 29296), (234, 29305), (240, 29338), (248, 29377), (260, 29422), (275, 29473), (284, 29524), (285, 29533), (300, 29602), (322, 29677), (340, 29722), (344, 29737), (379, 29872), (393, 29926), (398, 29947), (413, 29980), (425, 30025), (439, 30079), (448, 30106), (466, 30163), (472, 30184), (486, 30226), (494, 30265), (509, 30325), (577, 30565), (587, 30598), (588, 30601), (605, 30634), (608, 30640), (635, 30703),

Gene: Megamind20_31 Start: 28484, Stop: 30739, Start Num: 28

Candidate Starts for Megamind20_31:

(Start: 28 @28484 has 302 MA's), (50, 28580), (70, 28658), (73, 28685), (106, 28784), (141, 28943), (182, 29123), (187, 29147), (205, 29237), (207, 29243), (217, 29279), (230, 29318), (234, 29327), (240, 29360), (248, 29399), (260, 29444), (275, 29495), (284, 29546), (285, 29555), (300, 29624), (322, 29699), (340, 29744), (344, 29759), (379, 29894), (393, 29948), (398, 29969), (413, 30002), (425, 30047), (439, 30101), (448, 30128), (466, 30185), (472, 30206), (486, 30248), (494, 30287), (509, 30347), (577, 30587), (587, 30620), (588, 30623), (605, 30656), (608, 30662), (635, 30725),

Gene: Megatron_31 Start: 28760, Stop: 31015, Start Num: 28

Candidate Starts for Megatron_31:

(Start: 28 @28760 has 302 MA's), (50, 28856), (70, 28934), (73, 28961), (106, 29060), (141, 29219), (182, 29399), (187, 29423), (205, 29513), (207, 29519), (217, 29555), (230, 29594), (234, 29603), (240, 29636), (248, 29675), (260, 29720), (275, 29771), (284, 29822), (285, 29831), (300, 29900), (322, 29975), (340, 30020), (344, 30035), (379, 30170), (393, 30224), (398, 30245), (413, 30278),

(425, 30323), (439, 30377), (448, 30404), (466, 30461), (472, 30482), (486, 30524), (494, 30563), (509, 30623), (577, 30863), (587, 30896), (588, 30899), (605, 30932), (608, 30938), (635, 31001),

Gene: Megiddo_21 Start: 18926, Stop: 21559, Start Num: 6

Candidate Starts for Megiddo_21:

(Start: 6 @18926 has 7 MA's), (8, 18935), (40, 19079), (114, 19352), (118, 19364), (123, 19385), (131, 19409), (147, 19484), (164, 19556), (171, 19586), (178, 19622), (190, 19685), (195, 19700), (200, 19727), (202, 19733), (222, 19808), (229, 19832), (231, 19838), (236, 19850), (242, 19892), (243, 19898), (263, 19985), (271, 20006), (276, 20030), (287, 20096), (289, 20117), (293, 20135), (305, 20168), (309, 20192), (310, 20195), (320, 20246), (348, 20351), (358, 20393), (396, 20558), (420, 20654), (439, 20732), (444, 20744), (466, 20834), (484, 20894), (487, 20903), (497, 20951), (501, 20960), (530, 21077), (542, 21122), (558, 21164), (574, 21230), (579, 21254), (604, 21302), (605, 21308), (607, 21314), (651, 21413), (655, 21422), (661, 21452), (684, 21542), (687, 21551),

Gene: Melc17_31 Start: 28757, Stop: 31012, Start Num: 28

Candidate Starts for Melc17_31:

(Start: 28 @28757 has 302 MA's), (50, 28853), (70, 28931), (73, 28958), (106, 29057), (141, 29216), (182, 29396), (187, 29420), (205, 29510), (207, 29516), (217, 29552), (230, 29591), (234, 29600), (240, 29633), (248, 29672), (260, 29717), (275, 29768), (284, 29819), (285, 29828), (300, 29897), (322, 29972), (340, 30017), (344, 30032), (379, 30167), (393, 30221), (398, 30242), (413, 30275), (425, 30320), (439, 30374), (448, 30401), (466, 30458), (472, 30479), (486, 30521), (494, 30560), (509, 30620), (577, 30860), (587, 30893), (588, 30896), (605, 30929), (608, 30935), (635, 30998),

Gene: MelsMeow_30 Start: 28361, Stop: 30619, Start Num: 28

Candidate Starts for MelsMeow_30:

(Start: 28 @28361 has 302 MA's), (50, 28457), (70, 28535), (73, 28562), (106, 28664), (141, 28823), (182, 29003), (187, 29027), (189, 29039), (207, 29123), (217, 29159), (230, 29198), (234, 29207), (240, 29240), (248, 29279), (260, 29324), (275, 29375), (284, 29426), (285, 29435), (300, 29504), (322, 29579), (340, 29624), (344, 29639), (379, 29774), (393, 29828), (398, 29849), (413, 29882), (425, 29927), (439, 29981), (448, 30008), (466, 30065), (472, 30086), (486, 30128), (494, 30167), (509, 30227), (577, 30467), (588, 30503), (605, 30536), (635, 30605),

Gene: Mesh1_31 Start: 28774, Stop: 31029, Start Num: 28

Candidate Starts for Mesh1_31:

(Start: 28 @28774 has 302 MA's), (50, 28870), (70, 28948), (73, 28975), (106, 29074), (141, 29233), (182, 29413), (187, 29437), (205, 29527), (207, 29533), (217, 29569), (230, 29608), (234, 29617), (240, 29650), (248, 29689), (260, 29734), (275, 29785), (284, 29836), (285, 29845), (300, 29914), (322, 29989), (340, 30034), (344, 30049), (379, 30184), (393, 30238), (398, 30259), (413, 30292), (425, 30337), (439, 30391), (448, 30418), (466, 30475), (472, 30496), (486, 30538), (494, 30577), (509, 30637), (577, 30877), (587, 30910), (588, 30913), (605, 30946), (608, 30952), (635, 31015),

Gene: Mesmerelda_31 Start: 28472, Stop: 30727, Start Num: 28

Candidate Starts for Mesmerelda_31:

(Start: 28 @28472 has 302 MA's), (50, 28568), (70, 28646), (73, 28673), (106, 28772), (141, 28931), (182, 29111), (187, 29135), (205, 29225), (207, 29231), (217, 29267), (230, 29306), (234, 29315), (240, 29348), (248, 29387), (260, 29432), (275, 29483), (284, 29534), (285, 29543), (300, 29612), (322, 29687), (340, 29732), (344, 29747), (379, 29882), (393, 29936), (398, 29957), (413, 29990), (425, 30035), (439, 30089), (448, 30116), (466, 30173), (472, 30194), (486, 30236), (494, 30275), (509, 30335), (577, 30575), (588, 30611), (605, 30644), (635, 30713),

Gene: MichaelPhcott_30 Start: 28364, Stop: 30619, Start Num: 28

Candidate Starts for MichaelPhcott_30:

(Start: 28 @28364 has 302 MA's), (50, 28460), (70, 28538), (73, 28565), (106, 28664), (141, 28823), (182, 29003), (187, 29027), (205, 29117), (207, 29123), (217, 29159), (230, 29198), (234, 29207), (240, 29240), (248, 29279), (260, 29324), (275, 29375), (284, 29426), (285, 29435), (300, 29504), (322, 29579), (340, 29624), (344, 29639), (379, 29774), (393, 29828), (398, 29849), (413, 29882), (425, 29927), (439, 29981), (448, 30008), (466, 30065), (472, 30086), (486, 30128), (494, 30167), (509, 30227), (577, 30467), (587, 30500), (588, 30503), (605, 30536), (608, 30542), (635, 30605),

Gene: Mikota_31 Start: 28747, Stop: 31002, Start Num: 28

Candidate Starts for Mikota_31:

(Start: 28 @28747 has 302 MA's), (50, 28843), (70, 28921), (73, 28948), (106, 29047), (141, 29206), (182, 29386), (187, 29410), (207, 29506), (217, 29542), (230, 29581), (234, 29590), (240, 29623), (248, 29662), (260, 29707), (275, 29758), (284, 29809), (285, 29818), (300, 29887), (322, 29962), (340, 30007), (344, 30022), (379, 30157), (393, 30211), (398, 30232), (413, 30265), (425, 30310), (439, 30364), (448, 30391), (466, 30448), (472, 30469), (486, 30511), (494, 30550), (509, 30610), (577, 30850), (587, 30883), (588, 30886), (605, 30919), (608, 30925), (635, 30988),

Gene: Milly_23 Start: 18661, Stop: 21000, Start Num: 16

Candidate Starts for Milly_23:

(Start: 16 @18661 has 68 MA's), (63, 18832), (67, 18850), (72, 18874), (134, 19018), (142, 19051), (172, 19180), (175, 19189), (178, 19204), (181, 19216), (183, 19225), (194, 19273), (217, 19369), (222, 19387), (229, 19408), (240, 19453), (270, 19555), (286, 19627), (294, 19669), (295, 19675), (297, 19684), (318, 19771), (322, 19792), (335, 19834), (341, 19855), (373, 19972), (377, 19981), (387, 20017), (402, 20071), (421, 20125), (423, 20137), (430, 20161), (459, 20275), (469, 20302), (487, 20359), (535, 20548), (549, 20578), (562, 20629), (574, 20677), (590, 20731), (606, 20761), (613, 20782), (670, 20914),

Gene: MiniBoss_31 Start: 28753, Stop: 31008, Start Num: 28

Candidate Starts for MiniBoss_31:

(Start: 28 @28753 has 302 MA's), (50, 28849), (70, 28927), (73, 28954), (106, 29053), (141, 29212), (182, 29392), (187, 29416), (207, 29512), (217, 29548), (230, 29587), (234, 29596), (240, 29629), (248, 29668), (260, 29713), (275, 29764), (284, 29815), (285, 29824), (300, 29893), (322, 29968), (340, 30013), (344, 30028), (379, 30163), (393, 30217), (398, 30238), (413, 30271), (425, 30316), (439, 30370), (448, 30397), (466, 30454), (472, 30475), (486, 30517), (494, 30556), (509, 30616), (577, 30856), (588, 30892), (605, 30925), (635, 30994),

Gene: MiniLon_21 Start: 19528, Stop: 22035, Start Num: 11

Candidate Starts for MiniLon_21:

(Start: 11 @19528 has 16 MA's), (20, 19591), (40, 19663), (53, 19711), (99, 19897), (138, 20023), (146, 20053), (153, 20092), (161, 20122), (179, 20209), (186, 20236), (192, 20269), (194, 20275), (204, 20326), (228, 20413), (230, 20419), (234, 20428), (238, 20446), (250, 20506), (256, 20527), (266, 20578), (268, 20581), (283, 20650), (317, 20803), (343, 20887), (349, 20905), (353, 20914), (400, 21097), (410, 21121), (415, 21142), (421, 21157), (434, 21205), (455, 21295), (456, 21304), (487, 21397), (490, 21415), (491, 21418), (507, 21490), (528, 21559), (530, 21565), (534, 21580), (538, 21598), (552, 21631), (553, 21634), (566, 21685), (572, 21709), (583, 21751), (593, 21775), (628, 21850), (631, 21853), (663, 21955),

Gene: MiniMac_21 Start: 19529, Stop: 22036, Start Num: 11

Candidate Starts for MiniMac_21:

(Start: 11 @19529 has 16 MA's), (20, 19592), (40, 19664), (53, 19712), (99, 19898), (138, 20024), (146, 20054), (153, 20093), (161, 20123), (179, 20210), (186, 20237), (192, 20270), (194, 20276), (204, 20327), (228, 20414), (230, 20420), (234, 20429), (238, 20447), (250, 20507), (256, 20528), (266, 20579), (268, 20582), (283, 20651), (317, 20804), (343, 20888), (349, 20906), (353, 20915), (400, 21098), (410, 21122), (415, 21143), (421, 21158), (434, 21206), (455, 21296), (456, 21305),

(487, 21398), (490, 21416), (491, 21419), (507, 21491), (528, 21560), (530, 21566), (534, 21581), (538, 21599), (552, 21632), (553, 21635), (566, 21686), (572, 21710), (583, 21752), (593, 21776), (628, 21851), (631, 21854), (663, 21956),

Gene: MissDaisy_28 Start: 22035, Stop: 24344, Start Num: 16

Candidate Starts for MissDaisy_28:

(Start: 16 @22035 has 68 MA's), (Start: 31 @22083 has 1 MA's), (32, 22092), (43, 22146), (53, 22179), (82, 22287), (122, 22353), (140, 22416), (149, 22467), (150, 22476), (160, 22509), (171, 22557), (185, 22614), (222, 22674), (226, 22686), (231, 22701), (234, 22707), (240, 22740), (251, 22788), (270, 22842), (286, 22914), (327, 23094), (354, 23175), (390, 23328), (404, 23370), (422, 23439), (441, 23526), (445, 23544), (450, 23571), (459, 23610), (464, 23625), (491, 23721), (530, 23874), (534, 23889), (535, 23895), (544, 23925), (547, 23931), (554, 23958), (558, 23970), (580, 24066), (606, 24120), (613, 24141), (655, 24228), (661, 24258), (687, 24336),

Gene: MitKao_31 Start: 28468, Stop: 30723, Start Num: 28

Candidate Starts for MitKao_31:

(Start: 28 @28468 has 302 MA's), (50, 28564), (70, 28642), (73, 28669), (106, 28768), (141, 28927), (182, 29107), (187, 29131), (205, 29221), (207, 29227), (217, 29263), (230, 29302), (234, 29311), (240, 29344), (248, 29383), (260, 29428), (275, 29479), (284, 29530), (285, 29539), (300, 29608), (322, 29683), (340, 29728), (344, 29743), (379, 29878), (393, 29932), (398, 29953), (413, 29986), (425, 30031), (439, 30085), (448, 30112), (466, 30169), (472, 30190), (486, 30232), (494, 30271), (509, 30331), (577, 30571), (587, 30604), (588, 30607), (605, 30640), (608, 30646), (635, 30709),

Gene: Mithril_28 Start: 28983, Stop: 31280, Start Num: 28

Candidate Starts for Mithril_28:

(Start: 1 @28296 has 1 MA's), (2, 28443), (Start: 28 @28983 has 302 MA's), (50, 29082), (55, 29100), (83, 29223), (106, 29286), (120, 29367), (138, 29433), (167, 29550), (174, 29589), (185, 29640), (187, 29649), (197, 29706), (201, 29730), (202, 29733), (217, 29796), (231, 29838), (236, 29850), (261, 29973), (269, 29997), (278, 30027), (279, 30030), (283, 30060), (310, 30171), (315, 30192), (318, 30213), (322, 30228), (328, 30249), (351, 30315), (356, 30327), (363, 30378), (364, 30381), (369, 30399), (376, 30423), (384, 30450), (393, 30483), (398, 30504), (413, 30537), (425, 30582), (467, 30723), (468, 30726), (472, 30738), (495, 30822), (527, 30936), (533, 30957), (540, 30981), (558, 31044), (564, 31074), (567, 31080), (577, 31128), (587, 31161), (588, 31164), (635, 31266), (636, 31269),

Gene: Mitti_28 Start: 22196, Stop: 24505, Start Num: 16

Candidate Starts for Mitti_28:

(Start: 16 @22196 has 68 MA's), (43, 22307), (50, 22331), (82, 22448), (140, 22577), (150, 22637), (169, 22709), (171, 22718), (185, 22775), (187, 22784), (222, 22835), (226, 22847), (231, 22862), (234, 22868), (240, 22901), (251, 22949), (270, 23003), (286, 23075), (293, 23114), (296, 23126), (302, 23141), (313, 23186), (327, 23255), (354, 23336), (390, 23489), (404, 23531), (420, 23588), (422, 23600), (426, 23630), (445, 23705), (450, 23732), (459, 23771), (464, 23786), (491, 23882), (530, 24035), (534, 24050), (535, 24056), (544, 24086), (547, 24092), (554, 24119), (558, 24131), (580, 24227), (606, 24281), (613, 24302), (655, 24389), (661, 24419), (687, 24497),

Gene: MmasiCarm_31 Start: 28599, Stop: 30824, Start Num: 27

Candidate Starts for MmasiCarm_31:

(Start: 27 @28599 has 45 MA's), (Start: 31 @28614 has 1 MA's), (40, 28659), (55, 28716), (74, 28794), (96, 28863), (106, 28875), (112, 28917), (121, 28953), (130, 28980), (133, 28992), (139, 29019), (159, 29109), (175, 29181), (194, 29265), (220, 29373), (226, 29394), (248, 29487), (253, 29502), (283, 29631), (300, 29712), (322, 29787), (337, 29829), (340, 29835), (351, 29871), (379, 29985), (383, 29997), (393, 30039), (398, 30060), (418, 30114), (425, 30138), (435, 30174), (466, 30270), (468, 30279), (486, 30333), (511, 30441), (521, 30468), (533, 30510), (557, 30582), (577, 30672), (588,

30708),

Gene: Moostard_21 Start: 19727, Stop: 22240, Start Num: 11

Candidate Starts for Moostard_21:

(Start: 11 @19727 has 16 MA's), (20, 19790), (40, 19862), (64, 19952), (66, 19958), (81, 20030), (138, 20222), (141, 20234), (146, 20252), (153, 20291), (161, 20321), (173, 20378), (179, 20408), (182, 20414), (192, 20468), (194, 20474), (229, 20621), (230, 20624), (234, 20633), (238, 20651), (250, 20711), (253, 20720), (256, 20732), (266, 20783), (268, 20786), (306, 20951), (317, 21008), (343, 21092), (349, 21110), (353, 21119), (366, 21182), (400, 21302), (415, 21347), (421, 21362), (425, 21380), (434, 21410), (455, 21500), (480, 21569), (487, 21602), (491, 21623), (501, 21659), (507, 21695), (521, 21740), (528, 21764), (530, 21770), (534, 21785), (538, 21803), (552, 21836), (566, 21890), (572, 21914), (581, 21950), (583, 21956), (593, 21980), (659, 22145), (661, 22154), (663, 22160),

Gene: Morgushi_31 Start: 28469, Stop: 30724, Start Num: 28

Candidate Starts for Morgushi_31:

(Start: 28 @28469 has 302 MA's), (50, 28565), (70, 28643), (73, 28670), (106, 28769), (141, 28928), (182, 29108), (187, 29132), (207, 29228), (217, 29264), (230, 29303), (234, 29312), (240, 29345), (248, 29384), (260, 29429), (275, 29480), (284, 29531), (285, 29540), (300, 29609), (322, 29684), (340, 29729), (344, 29744), (379, 29879), (393, 29933), (398, 29954), (413, 29987), (425, 30032), (439, 30086), (448, 30113), (466, 30170), (472, 30191), (486, 30233), (494, 30272), (509, 30332), (577, 30572), (588, 30608), (605, 30641), (635, 30710),

Gene: Mortcellus_30 Start: 29251, Stop: 31476, Start Num: 27

Candidate Starts for Mortcellus_30:

(Start: 27 @29251 has 45 MA's), (Start: 31 @29266 has 1 MA's), (40, 29311), (55, 29368), (74, 29446), (96, 29515), (106, 29527), (112, 29569), (121, 29605), (130, 29632), (133, 29644), (139, 29671), (159, 29761), (175, 29833), (194, 29917), (220, 30025), (226, 30046), (248, 30139), (253, 30154), (283, 30283), (300, 30364), (322, 30439), (337, 30481), (340, 30487), (351, 30523), (379, 30637), (383, 30649), (393, 30691), (398, 30712), (418, 30766), (425, 30790), (435, 30826), (466, 30922), (468, 30931), (486, 30985), (511, 31093), (521, 31120), (533, 31162), (557, 31234), (577, 31324), (588, 31360),

Gene: Morty_31 Start: 28769, Stop: 31024, Start Num: 28

Candidate Starts for Morty_31:

(Start: 28 @28769 has 302 MA's), (50, 28865), (70, 28943), (73, 28970), (106, 29069), (141, 29228), (182, 29408), (187, 29432), (205, 29522), (207, 29528), (217, 29564), (230, 29603), (234, 29612), (240, 29645), (248, 29684), (260, 29729), (275, 29780), (284, 29831), (285, 29840), (300, 29909), (322, 29984), (340, 30029), (344, 30044), (379, 30179), (393, 30233), (398, 30254), (413, 30287), (425, 30332), (439, 30386), (448, 30413), (466, 30470), (472, 30491), (486, 30533), (494, 30572), (509, 30632), (577, 30872), (587, 30905), (588, 30908), (605, 30941), (608, 30947), (635, 31010),

Gene: Morty007_31 Start: 29395, Stop: 31620, Start Num: 27

Candidate Starts for Morty007_31:

(Start: 27 @29395 has 45 MA's), (Start: 31 @29410 has 1 MA's), (40, 29455), (55, 29512), (74, 29590), (96, 29659), (106, 29671), (112, 29713), (121, 29749), (130, 29776), (133, 29788), (139, 29815), (159, 29905), (175, 29977), (194, 30061), (220, 30169), (226, 30190), (248, 30283), (253, 30298), (283, 30427), (300, 30508), (322, 30583), (337, 30625), (340, 30631), (351, 30667), (379, 30781), (383, 30793), (393, 30835), (398, 30856), (418, 30910), (425, 30934), (466, 31066), (468, 31075), (486, 31129), (511, 31237), (521, 31264), (533, 31306), (557, 31378), (577, 31468), (588, 31504),

Gene: Mosaic_30 Start: 28474, Stop: 30729, Start Num: 28

Candidate Starts for Mosaic_30:

(Start: 28 @28474 has 302 MA's), (50, 28570), (70, 28648), (73, 28675), (106, 28774), (141, 28933), (182, 29113), (187, 29137), (205, 29227), (207, 29233), (217, 29269), (230, 29308), (234, 29317), (240, 29350), (248, 29389), (260, 29434), (275, 29485), (284, 29536), (285, 29545), (300, 29614), (322, 29689), (340, 29734), (344, 29749), (379, 29884), (393, 29938), (398, 29959), (413, 29992), (425, 30037), (439, 30091), (448, 30118), (466, 30175), (472, 30196), (486, 30238), (494, 30277), (509, 30337), (577, 30577), (587, 30610), (588, 30613), (605, 30646), (608, 30652), (635, 30715),

Gene: MrPhizzler_30 Start: 28476, Stop: 30731, Start Num: 28

Candidate Starts for MrPhizzler_30:

(Start: 28 @28476 has 302 MA's), (50, 28572), (70, 28650), (73, 28677), (106, 28776), (141, 28935), (182, 29115), (187, 29139), (207, 29235), (217, 29271), (230, 29310), (234, 29319), (240, 29352), (248, 29391), (260, 29436), (275, 29487), (284, 29538), (285, 29547), (300, 29616), (322, 29691), (340, 29736), (344, 29751), (379, 29886), (393, 29940), (398, 29961), (413, 29994), (425, 30039), (439, 30093), (448, 30120), (466, 30177), (472, 30198), (486, 30240), (494, 30279), (509, 30339), (577, 30579), (588, 30615), (605, 30648), (635, 30717),

Gene: MsGreen_21 Start: 19724, Stop: 22237, Start Num: 11

Candidate Starts for MsGreen_21:

(Start: 11 @19724 has 16 MA's), (20, 19787), (40, 19859), (64, 19949), (66, 19955), (81, 20027), (105, 20114), (138, 20219), (141, 20231), (146, 20249), (153, 20288), (161, 20318), (173, 20375), (179, 20405), (182, 20411), (192, 20465), (194, 20471), (229, 20618), (230, 20621), (234, 20630), (238, 20648), (250, 20708), (253, 20717), (256, 20729), (266, 20780), (268, 20783), (306, 20948), (317, 21005), (343, 21089), (349, 21107), (353, 21116), (366, 21179), (400, 21299), (410, 21323), (415, 21344), (421, 21359), (425, 21377), (434, 21407), (455, 21497), (480, 21566), (487, 21599), (491, 21620), (501, 21656), (507, 21692), (521, 21737), (528, 21761), (530, 21767), (534, 21782), (538, 21800), (566, 21887), (572, 21911), (581, 21947), (583, 21953), (593, 21977), (628, 22052), (631, 22055), (659, 22142), (661, 22151), (663, 22157),

Gene: Muddy_24 Start: 19607, Stop: 21925, Start Num: 19

Candidate Starts for Muddy_24:

(Start: 19 @19607 has 2 MA's), (72, 19808), (82, 19853), (85, 19865), (105, 19931), (113, 19943), (121, 19976), (142, 20042), (174, 20183), (199, 20315), (214, 20366), (226, 20405), (232, 20423), (240, 20459), (255, 20519), (275, 20594), (280, 20621), (292, 20684), (309, 20741), (379, 20936), (400, 21005), (408, 21023), (410, 21029), (411, 21032), (412, 21035), (443, 21152), (446, 21158), (467, 21236), (486, 21284), (487, 21287), (504, 21365), (516, 21416), (523, 21431), (526, 21443), (549, 21506), (554, 21527), (559, 21548), (574, 21605), (578, 21626), (593, 21665), (612, 21707), (628, 21740), (633, 21746), (635, 21761), (663, 21845),

Gene: Mudslide_28 Start: 29215, Stop: 31512, Start Num: 28

Candidate Starts for Mudslide_28:

(Start: 1 @28528 has 1 MA's), (2, 28675), (Start: 28 @29215 has 302 MA's), (50, 29314), (55, 29332), (83, 29455), (106, 29518), (120, 29599), (138, 29665), (167, 29782), (174, 29821), (185, 29872), (187, 29881), (197, 29938), (201, 29962), (202, 29965), (217, 30028), (231, 30070), (236, 30082), (260, 30193), (261, 30205), (269, 30229), (283, 30292), (310, 30403), (315, 30424), (322, 30460), (328, 30481), (351, 30547), (356, 30559), (363, 30610), (364, 30613), (369, 30631), (376, 30655), (384, 30682), (393, 30715), (398, 30736), (413, 30769), (425, 30814), (467, 30955), (468, 30958), (469, 30961), (472, 30970), (495, 31054), (527, 31168), (533, 31189), (540, 31213), (558, 31276), (564, 31306), (567, 31312), (577, 31360), (587, 31393), (588, 31396), (635, 31498), (636, 31501),

Gene: Mufasa_23 Start: 18681, Stop: 21020, Start Num: 16

Candidate Starts for Mufasa_23:

(Start: 16 @18681 has 68 MA's), (77, 18921), (132, 19029), (134, 19038), (139, 19059), (144, 19083), (176, 19212), (178, 19224), (194, 19293), (229, 19428), (236, 19446), (240, 19473), (270, 19575),

(286, 19647), (294, 19689), (295, 19695), (297, 19704), (300, 19710), (318, 19791), (322, 19812), (335, 19854), (341, 19875), (353, 19905), (373, 19992), (377, 20001), (387, 20037), (402, 20091), (421, 20145), (423, 20157), (439, 20217), (455, 20277), (459, 20295), (469, 20322), (487, 20379), (535, 20568), (549, 20598), (570, 20676), (574, 20697), (586, 20739), (601, 20772), (606, 20781), (613, 20802), (629, 20829), (660, 20910), (670, 20934),

Gene: Mulan_30 Start: 28486, Stop: 30741, Start Num: 28

Candidate Starts for Mulan_30:

(Start: 28 @28486 has 302 MA's), (50, 28582), (70, 28660), (73, 28687), (106, 28786), (141, 28945), (182, 29125), (187, 29149), (205, 29239), (207, 29245), (217, 29281), (230, 29320), (234, 29329), (240, 29362), (248, 29401), (260, 29446), (275, 29497), (284, 29548), (285, 29557), (300, 29626), (322, 29701), (340, 29746), (344, 29761), (379, 29896), (393, 29950), (398, 29971), (413, 30004), (425, 30049), (439, 30103), (466, 30187), (472, 30208), (486, 30250), (494, 30289), (509, 30349), (577, 30589), (587, 30622), (588, 30625), (605, 30658), (608, 30664), (635, 30727),

Gene: Murdoc_31 Start: 28761, Stop: 31016, Start Num: 28

Candidate Starts for Murdoc_31:

(Start: 28 @28761 has 302 MA's), (50, 28857), (70, 28935), (73, 28962), (106, 29061), (141, 29220), (182, 29400), (187, 29424), (205, 29514), (207, 29520), (217, 29556), (230, 29595), (234, 29604), (240, 29637), (248, 29676), (260, 29721), (275, 29772), (284, 29823), (285, 29832), (300, 29901), (322, 29976), (340, 30021), (344, 30036), (379, 30171), (393, 30225), (398, 30246), (413, 30279), (425, 30324), (439, 30378), (448, 30405), (466, 30462), (472, 30483), (486, 30525), (494, 30564), (509, 30624), (577, 30864), (588, 30900), (605, 30933), (635, 31002),

Gene: Mutante_30 Start: 28468, Stop: 30723, Start Num: 28

Candidate Starts for Mutante_30:

(Start: 28 @28468 has 302 MA's), (50, 28564), (70, 28642), (73, 28669), (106, 28768), (141, 28927), (182, 29107), (187, 29131), (205, 29221), (207, 29227), (217, 29263), (230, 29302), (234, 29311), (240, 29344), (248, 29383), (260, 29428), (275, 29479), (284, 29530), (285, 29539), (300, 29608), (322, 29683), (340, 29728), (344, 29743), (379, 29878), (393, 29932), (398, 29953), (413, 29986), (425, 30031), (439, 30085), (448, 30112), (466, 30169), (472, 30190), (486, 30232), (494, 30271), (509, 30331), (577, 30571), (588, 30607), (605, 30640), (635, 30709),

Gene: Mysterious_31 Start: 29235, Stop: 31496, Start Num: 28

Candidate Starts for Mysterious_31:

(Start: 28 @29235 has 302 MA's), (50, 29331), (65, 29388), (69, 29406), (76, 29451), (167, 29799), (188, 29901), (194, 29931), (197, 29955), (201, 29979), (202, 29982), (230, 30072), (236, 30087), (278, 30264), (284, 30300), (289, 30336), (300, 30378), (322, 30453), (340, 30504), (370, 30627), (379, 30654), (393, 30708), (398, 30729), (413, 30762), (466, 30942), (468, 30951), (472, 30963), (494, 31044), (495, 31047), (508, 31101), (511, 31113), (522, 31143), (527, 31161), (549, 31227), (561, 31275), (577, 31344), (635, 31482), (636, 31485),

Gene: Nacho_0031 Start: 28760, Stop: 31018, Start Num: 28

Candidate Starts for Nacho_0031:

(Start: 28 @28760 has 302 MA's), (50, 28856), (70, 28934), (73, 28961), (106, 29063), (141, 29222), (182, 29402), (187, 29426), (207, 29522), (217, 29558), (230, 29597), (234, 29606), (240, 29639), (248, 29678), (260, 29723), (275, 29774), (284, 29825), (285, 29834), (300, 29903), (322, 29978), (340, 30023), (344, 30038), (379, 30173), (393, 30227), (398, 30248), (413, 30281), (425, 30326), (439, 30380), (466, 30464), (472, 30485), (486, 30527), (494, 30566), (509, 30626), (577, 30866), (587, 30899), (588, 30902), (605, 30935), (608, 30941), (635, 31004),

Gene: Nanao_27 Start: 27940, Stop: 30237, Start Num: 28

Candidate Starts for Nanao_27:

(Start: 28 @27940 has 302 MA's), (50, 28039), (73, 28144), (83, 28180), (106, 28243), (120, 28324), (138, 28390), (141, 28402), (167, 28507), (174, 28546), (185, 28597), (187, 28606), (201, 28687), (202, 28690), (217, 28753), (231, 28795), (236, 28807), (261, 28930), (269, 28954), (283, 29017), (288, 29047), (289, 29056), (310, 29128), (315, 29149), (322, 29185), (328, 29206), (351, 29272), (356, 29284), (363, 29335), (364, 29338), (369, 29356), (376, 29380), (384, 29407), (393, 29440), (398, 29461), (413, 29494), (425, 29539), (467, 29680), (468, 29683), (472, 29695), (495, 29779), (533, 29914), (540, 29938), (558, 30001), (564, 30031), (567, 30037), (577, 30085), (587, 30118), (588, 30121), (635, 30223), (636, 30226),

Gene: Nangang_30 Start: 28934, Stop: 31201, Start Num: 28

Candidate Starts for Nangang_30:

(Start: 28 @28934 has 302 MA's), (36, 28982), (Start: 45 @29012 has 1 MA's), (50, 29030), (60, 29066), (65, 29087), (69, 29105), (83, 29168), (109, 29273), (141, 29396), (143, 29402), (167, 29501), (188, 29603), (197, 29657), (230, 29777), (236, 29792), (240, 29819), (284, 30005), (289, 30041), (300, 30083), (322, 30158), (340, 30209), (351, 30245), (363, 30308), (370, 30332), (379, 30359), (418, 30488), (425, 30512), (466, 30647), (468, 30656), (472, 30668), (486, 30710), (494, 30749), (495, 30752), (508, 30806), (511, 30818), (522, 30848), (527, 30866), (549, 30932), (577, 31049), (635, 31187),

Gene: Nathan_32 Start: 28793, Stop: 31054, Start Num: 28

Candidate Starts for Nathan_32:

(Start: 28 @28793 has 302 MA's), (50, 28889), (70, 28967), (73, 28994), (94, 29069), (106, 29099), (141, 29258), (182, 29438), (187, 29462), (207, 29558), (217, 29594), (230, 29633), (234, 29642), (240, 29675), (248, 29714), (260, 29759), (275, 29810), (285, 29870), (300, 29939), (322, 30014), (340, 30059), (344, 30074), (379, 30209), (393, 30263), (398, 30284), (413, 30317), (425, 30362), (439, 30416), (448, 30443), (466, 30500), (472, 30521), (486, 30563), (494, 30602), (509, 30662), (577, 30902), (588, 30938), (605, 30971), (635, 31040),

Gene: Nehemiah_29 Start: 29235, Stop: 31499, Start Num: 28

Candidate Starts for Nehemiah_29:

(Start: 28 @29235 has 302 MA's), (38, 29286), (50, 29331), (65, 29388), (69, 29406), (76, 29451), (167, 29802), (188, 29904), (194, 29934), (197, 29958), (201, 29982), (202, 29985), (230, 30075), (236, 30090), (278, 30267), (284, 30303), (289, 30339), (300, 30381), (322, 30456), (340, 30507), (370, 30630), (379, 30657), (393, 30711), (398, 30732), (413, 30765), (466, 30945), (468, 30954), (472, 30966), (494, 31047), (495, 31050), (508, 31104), (511, 31116), (522, 31146), (527, 31164), (549, 31230), (561, 31278), (577, 31347), (635, 31485), (636, 31488),

Gene: Neos5_31 Start: 29411, Stop: 31639, Start Num: 27

Candidate Starts for Neos5_31:

(Start: 27 @29411 has 45 MA's), (Start: 31 @29426 has 1 MA's), (40, 29471), (55, 29528), (74, 29606), (96, 29675), (106, 29687), (112, 29729), (121, 29765), (130, 29792), (133, 29804), (139, 29831), (159, 29921), (166, 29945), (175, 29993), (194, 30077), (220, 30185), (226, 30206), (248, 30299), (253, 30314), (283, 30443), (300, 30524), (322, 30599), (340, 30647), (363, 30746), (379, 30797), (383, 30809), (393, 30851), (398, 30872), (418, 30926), (425, 30950), (435, 30986), (466, 31085), (468, 31094), (486, 31148), (511, 31256), (521, 31283), (533, 31325), (557, 31397), (577, 31487), (588, 31523),

Gene: Newman_31 Start: 28756, Stop: 31014, Start Num: 28

Candidate Starts for Newman_31:

(Start: 28 @28756 has 302 MA's), (50, 28852), (70, 28930), (73, 28957), (106, 29059), (141, 29218), (182, 29398), (187, 29422), (207, 29518), (217, 29554), (230, 29593), (234, 29602), (240, 29635), (248, 29674), (260, 29719), (275, 29770), (284, 29821), (285, 29830), (300, 29899), (322, 29974), (340, 30019), (344, 30034), (379, 30169), (393, 30223), (398, 30244), (413, 30277), (425, 30322),

(439, 30376), (466, 30460), (472, 30481), (486, 30523), (494, 30562), (509, 30622), (577, 30862), (587, 30895), (588, 30898), (605, 30931), (608, 30937), (635, 31000),

Gene: Nicholas_21 Start: 19724, Stop: 22237, Start Num: 11

Candidate Starts for Nicholas_21:

(Start: 11 @19724 has 16 MA's), (20, 19787), (40, 19859), (64, 19949), (66, 19955), (81, 20027), (105, 20114), (138, 20219), (141, 20231), (146, 20249), (153, 20288), (161, 20318), (173, 20375), (179, 20405), (182, 20411), (192, 20465), (194, 20471), (229, 20618), (230, 20621), (234, 20630), (238, 20648), (250, 20708), (253, 20717), (256, 20729), (266, 20780), (268, 20783), (306, 20948), (317, 21005), (343, 21089), (349, 21107), (353, 21116), (366, 21179), (400, 21299), (410, 21323), (415, 21344), (421, 21359), (425, 21377), (434, 21407), (455, 21497), (480, 21566), (487, 21599), (491, 21620), (501, 21656), (507, 21692), (521, 21737), (528, 21761), (530, 21767), (534, 21782), (538, 21800), (566, 21887), (572, 21911), (581, 21947), (583, 21953), (593, 21977), (628, 22052), (631, 22055), (659, 22142), (661, 22151), (663, 22157),

Gene: Nicole21_31 Start: 28758, Stop: 31013, Start Num: 28

Candidate Starts for Nicole21_31:

(Start: 28 @28758 has 302 MA's), (50, 28854), (70, 28932), (73, 28959), (106, 29058), (141, 29217), (182, 29397), (187, 29421), (205, 29511), (207, 29517), (217, 29553), (230, 29592), (234, 29601), (240, 29634), (248, 29673), (260, 29718), (275, 29769), (284, 29820), (285, 29829), (300, 29898), (322, 29973), (340, 30018), (344, 30033), (379, 30168), (393, 30222), (398, 30243), (413, 30276), (425, 30321), (439, 30375), (448, 30402), (466, 30459), (472, 30480), (486, 30522), (494, 30561), (509, 30621), (577, 30861), (587, 30894), (588, 30897), (605, 30930), (608, 30936), (635, 30999),

Gene: Nigel_26 Start: 27851, Stop: 30148, Start Num: 28

Candidate Starts for Nigel_26:

(4, 27722), (Start: 28 @27851 has 302 MA's), (50, 27950), (55, 27968), (106, 28154), (111, 28199), (120, 28235), (138, 28301), (167, 28418), (174, 28457), (175, 28463), (201, 28598), (202, 28601), (217, 28664), (231, 28706), (236, 28718), (269, 28865), (283, 28928), (289, 28967), (310, 29039), (315, 29060), (318, 29081), (322, 29096), (328, 29117), (340, 29147), (351, 29183), (356, 29195), (363, 29246), (364, 29249), (369, 29267), (376, 29291), (379, 29297), (393, 29351), (398, 29372), (418, 29426), (425, 29450), (466, 29585), (467, 29591), (468, 29594), (469, 29597), (472, 29606), (533, 29825), (540, 29849), (558, 29912), (567, 29948), (575, 29981), (577, 29996), (587, 30029), (588, 30032), (635, 30134), (636, 30137),

Gene: Nikao_23 Start: 20414, Stop: 22900, Start Num: 16

Candidate Starts for Nikao_23:

(Start: 16 @20414 has 68 MA's), (Start: 31 @20462 has 1 MA's), (77, 20642), (78, 20645), (119, 20708), (121, 20720), (152, 20852), (163, 20891), (175, 20948), (180, 20972), (183, 20984), (194, 21032), (195, 21035), (203, 21068), (211, 21107), (222, 21140), (226, 21152), (229, 21161), (231, 21167), (245, 21233), (249, 21248), (276, 21359), (281, 21392), (297, 21476), (303, 21491), (318, 21551), (338, 21620), (361, 21740), (385, 21833), (417, 21947), (438, 22025), (439, 22031), (445, 22055), (458, 22118), (459, 22121), (462, 22133), (483, 22199), (484, 22205), (493, 22247), (497, 22268), (501, 22277), (506, 22310), (510, 22328), (530, 22397), (560, 22496), (562, 22502), (566, 22520), (578, 22574), (583, 22589), (595, 22616), (624, 22673), (637, 22703),

Gene: Niklas_27 Start: 20233, Stop: 22734, Start Num: 16

Candidate Starts for Niklas_27:

(Start: 16 @20233 has 68 MA's), (Start: 31 @20281 has 1 MA's), (42, 20332), (63, 20404), (75, 20455), (80, 20473), (91, 20506), (119, 20527), (121, 20539), (137, 20593), (152, 20671), (163, 20710), (175, 20767), (183, 20803), (195, 20854), (203, 20884), (208, 20899), (211, 20923), (222, 20956), (229, 20977), (231, 20983), (240, 21022), (276, 21175), (281, 21208), (283, 21220), (295, 21283), (318, 21367), (360, 21550), (374, 21604), (385, 21646), (438, 21838), (439, 21844), (445, 21868), (458,

21931), (470, 21970), (489, 22033), (501, 22090), (506, 22123), (510, 22141), (521, 22180), (532, 22219), (534, 22225), (552, 22282), (581, 22396), (607, 22450), (612, 22465), (625, 22495), (633, 22507), (653, 22564), (657, 22582), (666, 22612), (668, 22630), (686, 22711),

Gene: November_26 Start: 21214, Stop: 23631, Start Num: 16

Candidate Starts for November_26:

(Start: 16 @21214 has 68 MA's), (18, 21223), (Start: 31 @21262 has 1 MA's), (63, 21385), (77, 21442), (80, 21454), (95, 21496), (174, 21742), (195, 21835), (207, 21877), (208, 21880), (210, 21901), (229, 21961), (231, 21967), (253, 22063), (276, 22159), (297, 22276), (329, 22384), (334, 22402), (339, 22414), (379, 22558), (419, 22693), (420, 22696), (421, 22699), (432, 22738), (445, 22792), (452, 22825), (456, 22846), (483, 22933), (489, 22954), (490, 22966), (516, 23083), (520, 23089), (558, 23218), (560, 23230), (565, 23251), (578, 23305), (588, 23335), (600, 23356), (612, 23383), (614, 23389), (649, 23458), (676, 23563), (688, 23623),

Gene: Nozo_31 Start: 29375, Stop: 31600, Start Num: 27

Candidate Starts for Nozo_31:

(Start: 27 @29375 has 45 MA's), (Start: 31 @29390 has 1 MA's), (40, 29435), (55, 29492), (74, 29570), (96, 29639), (106, 29651), (112, 29693), (121, 29729), (130, 29756), (133, 29768), (139, 29795), (159, 29885), (175, 29957), (194, 30041), (220, 30149), (226, 30170), (248, 30263), (253, 30278), (283, 30407), (300, 30488), (322, 30563), (337, 30605), (340, 30611), (363, 30710), (379, 30761), (383, 30773), (393, 30815), (398, 30836), (418, 30890), (425, 30914), (435, 30950), (466, 31046), (468, 31055), (486, 31109), (511, 31217), (521, 31244), (533, 31286), (557, 31358), (577, 31448), (588, 31484),

Gene: Numberten_31 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for Numberten_31:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (448, 30410), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (587, 30902), (588, 30905), (605, 30938), (608, 30944), (635, 31007),

Gene: Nutello_23 Start: 20414, Stop: 22900, Start Num: 16

Candidate Starts for Nutello_23:

(Start: 16 @20414 has 68 MA's), (Start: 31 @20462 has 1 MA's), (77, 20642), (78, 20645), (119, 20708), (121, 20720), (152, 20852), (163, 20891), (175, 20948), (180, 20972), (183, 20984), (194, 21032), (195, 21035), (203, 21068), (211, 21107), (222, 21140), (226, 21152), (229, 21161), (231, 21167), (245, 21233), (249, 21248), (276, 21359), (281, 21392), (297, 21476), (303, 21491), (318, 21551), (338, 21620), (361, 21740), (385, 21833), (417, 21947), (438, 22025), (439, 22031), (445, 22055), (458, 22118), (459, 22121), (462, 22133), (483, 22199), (484, 22205), (493, 22247), (497, 22268), (501, 22277), (506, 22310), (510, 22328), (530, 22397), (560, 22496), (562, 22502), (566, 22520), (578, 22574), (583, 22589), (595, 22616), (624, 22673),

Gene: Nyala_30 Start: 28460, Stop: 30715, Start Num: 28

Candidate Starts for Nyala_30:

(Start: 28 @28460 has 302 MA's), (50, 28556), (70, 28634), (73, 28661), (106, 28760), (141, 28919), (182, 29099), (187, 29123), (205, 29213), (207, 29219), (217, 29255), (230, 29294), (234, 29303), (240, 29336), (248, 29375), (260, 29420), (275, 29471), (284, 29522), (285, 29531), (300, 29600), (322, 29675), (340, 29720), (344, 29735), (379, 29870), (393, 29924), (398, 29945), (413, 29978), (425, 30023), (439, 30077), (448, 30104), (466, 30161), (472, 30182), (486, 30224), (494, 30263), (509, 30323), (577, 30563), (587, 30596), (588, 30599), (605, 30632), (608, 30638), (635, 30701),

Gene: OSmaximus_31 Start: 28795, Stop: 31056, Start Num: 28

Candidate Starts for OSmaximus_31:

(Start: 28 @28795 has 302 MA's), (50, 28891), (70, 28969), (73, 28996), (94, 29071), (106, 29101), (141, 29260), (182, 29440), (187, 29464), (207, 29560), (217, 29596), (230, 29635), (234, 29644), (240, 29677), (248, 29716), (260, 29761), (275, 29812), (285, 29872), (300, 29941), (322, 30016), (340, 30061), (344, 30076), (379, 30211), (393, 30265), (398, 30286), (413, 30319), (425, 30364), (439, 30418), (448, 30445), (466, 30502), (472, 30523), (486, 30565), (494, 30604), (509, 30664), (577, 30904), (588, 30940), (605, 30973), (635, 31042),

Gene: Obutu_31 Start: 28599, Stop: 30824, Start Num: 27

Candidate Starts for Obutu_31:

(Start: 27 @28599 has 45 MA's), (40, 28659), (55, 28716), (96, 28863), (106, 28875), (112, 28917), (121, 28953), (130, 28980), (133, 28992), (139, 29019), (159, 29109), (175, 29181), (194, 29265), (220, 29373), (226, 29394), (248, 29487), (253, 29502), (283, 29631), (300, 29712), (322, 29787), (337, 29829), (340, 29835), (351, 29871), (379, 29985), (383, 29997), (393, 30039), (398, 30060), (418, 30114), (425, 30138), (435, 30174), (466, 30270), (468, 30279), (486, 30333), (511, 30441), (521, 30468), (533, 30510), (557, 30582), (577, 30672), (588, 30708),

Gene: Olak_30 Start: 28464, Stop: 30719, Start Num: 28

Candidate Starts for Olak_30:

(Start: 28 @28464 has 302 MA's), (50, 28560), (70, 28638), (73, 28665), (106, 28764), (141, 28923), (182, 29103), (187, 29127), (205, 29217), (207, 29223), (217, 29259), (230, 29298), (234, 29307), (240, 29340), (248, 29379), (260, 29424), (275, 29475), (284, 29526), (285, 29535), (300, 29604), (322, 29679), (340, 29724), (344, 29739), (379, 29874), (393, 29928), (398, 29949), (413, 29982), (425, 30027), (439, 30081), (466, 30165), (472, 30186), (486, 30228), (494, 30267), (509, 30327), (577, 30567), (587, 30600), (588, 30603), (605, 30636), (608, 30642), (635, 30705),

Gene: Oline_30 Start: 28329, Stop: 30584, Start Num: 28

Candidate Starts for Oline_30:

(Start: 28 @28329 has 302 MA's), (50, 28425), (70, 28503), (73, 28530), (106, 28629), (141, 28788), (182, 28968), (187, 28992), (207, 29088), (217, 29124), (230, 29163), (234, 29172), (240, 29205), (248, 29244), (260, 29289), (275, 29340), (284, 29391), (285, 29400), (300, 29469), (322, 29544), (340, 29589), (344, 29604), (379, 29739), (393, 29793), (398, 29814), (413, 29847), (425, 29892), (439, 29946), (448, 29973), (466, 30030), (472, 30051), (486, 30093), (494, 30132), (509, 30192), (577, 30432), (587, 30465), (588, 30468), (605, 30501), (608, 30507), (635, 30570),

Gene: Olive_31 Start: 28750, Stop: 31005, Start Num: 28

Candidate Starts for Olive_31:

(Start: 28 @28750 has 302 MA's), (50, 28846), (70, 28924), (73, 28951), (106, 29050), (141, 29209), (182, 29389), (187, 29413), (205, 29503), (207, 29509), (217, 29545), (230, 29584), (234, 29593), (240, 29626), (248, 29665), (260, 29710), (275, 29761), (284, 29812), (285, 29821), (300, 29890), (322, 29965), (340, 30010), (344, 30025), (379, 30160), (393, 30214), (398, 30235), (413, 30268), (425, 30313), (439, 30367), (466, 30451), (472, 30472), (486, 30514), (494, 30553), (509, 30613), (577, 30853), (587, 30886), (588, 30889), (605, 30922), (608, 30928), (635, 30991),

Gene: OliverWalter_31 Start: 28769, Stop: 31027, Start Num: 28

Candidate Starts for OliverWalter_31:

(Start: 28 @28769 has 302 MA's), (50, 28865), (70, 28943), (73, 28970), (106, 29072), (141, 29231), (182, 29411), (187, 29435), (207, 29531), (217, 29567), (230, 29606), (234, 29615), (240, 29648), (248, 29687), (260, 29732), (275, 29783), (284, 29834), (285, 29843), (300, 29912), (322, 29987), (340, 30032), (344, 30047), (379, 30182), (393, 30236), (398, 30257), (413, 30290), (425, 30335), (439, 30389), (466, 30473), (472, 30494), (486, 30536), (494, 30575), (509, 30635), (577, 30875), (587, 30908), (588, 30911), (605, 30944), (608, 30950), (635, 31013),

Gene: OmniCritical_28 Start: 22181, Stop: 24490, Start Num: 16

Candidate Starts for OmniCritical_28:

(Start: 16 @22181 has 68 MA's), (43, 22292), (50, 22316), (82, 22433), (140, 22562), (149, 22613), (150, 22622), (169, 22694), (171, 22703), (185, 22760), (187, 22769), (222, 22820), (226, 22832), (231, 22847), (234, 22853), (240, 22886), (251, 22934), (270, 22988), (286, 23060), (293, 23099), (296, 23111), (302, 23126), (313, 23171), (327, 23240), (354, 23321), (390, 23474), (420, 23573), (422, 23585), (445, 23690), (459, 23756), (464, 23771), (491, 23867), (530, 24020), (534, 24035), (535, 24041), (541, 24065), (554, 24104), (580, 24212), (605, 24263), (606, 24266), (655, 24374), (661, 24404), (687, 24482),

Gene: Omniscient_31 Start: 28769, Stop: 31024, Start Num: 28

Candidate Starts for Omniscient_31:

(Start: 28 @28769 has 302 MA's), (50, 28865), (70, 28943), (73, 28970), (106, 29069), (141, 29228), (182, 29408), (187, 29432), (205, 29522), (207, 29528), (217, 29564), (230, 29603), (234, 29612), (240, 29645), (248, 29684), (260, 29729), (275, 29780), (284, 29831), (285, 29840), (300, 29909), (322, 29984), (340, 30029), (344, 30044), (379, 30179), (393, 30233), (398, 30254), (413, 30287), (425, 30332), (439, 30386), (448, 30413), (466, 30470), (472, 30491), (486, 30533), (494, 30572), (509, 30632), (577, 30872), (587, 30905), (588, 30908), (605, 30941), (608, 30947), (635, 31010),

Gene: Oosterbaan_31 Start: 28760, Stop: 31015, Start Num: 28

Candidate Starts for Oosterbaan_31:

(Start: 28 @28760 has 302 MA's), (50, 28856), (70, 28934), (73, 28961), (106, 29060), (141, 29219), (182, 29399), (187, 29423), (205, 29513), (207, 29519), (217, 29555), (230, 29594), (234, 29603), (240, 29636), (248, 29675), (260, 29720), (275, 29771), (284, 29822), (285, 29831), (300, 29900), (322, 29975), (340, 30020), (344, 30035), (379, 30170), (393, 30224), (398, 30245), (413, 30278), (425, 30323), (439, 30377), (448, 30404), (466, 30461), (472, 30482), (486, 30524), (494, 30563), (509, 30623), (577, 30863), (588, 30899), (605, 30932), (635, 31001),

Gene: OrangeOswald_31 Start: 28613, Stop: 30841, Start Num: 27

Candidate Starts for OrangeOswald_31:

(Start: 27 @28613 has 45 MA's), (Start: 31 @28628 has 1 MA's), (40, 28673), (55, 28730), (74, 28808), (96, 28877), (106, 28889), (112, 28931), (121, 28967), (130, 28994), (133, 29006), (139, 29033), (159, 29123), (175, 29195), (194, 29279), (220, 29387), (226, 29408), (248, 29501), (253, 29516), (283, 29645), (300, 29726), (322, 29801), (337, 29843), (340, 29849), (379, 29999), (383, 30011), (393, 30053), (398, 30074), (418, 30128), (425, 30152), (466, 30287), (468, 30296), (486, 30350), (511, 30458), (521, 30485), (533, 30527), (557, 30599), (577, 30689), (588, 30725),

Gene: Orfeu_30 Start: 28468, Stop: 30723, Start Num: 28

Candidate Starts for Orfeu_30:

(Start: 28 @28468 has 302 MA's), (50, 28564), (70, 28642), (73, 28669), (106, 28768), (141, 28927), (182, 29107), (187, 29131), (205, 29221), (207, 29227), (217, 29263), (230, 29302), (234, 29311), (240, 29344), (248, 29383), (260, 29428), (275, 29479), (284, 29530), (285, 29539), (300, 29608), (322, 29683), (340, 29728), (344, 29743), (379, 29878), (393, 29932), (398, 29953), (413, 29986), (425, 30031), (439, 30085), (448, 30112), (466, 30169), (472, 30190), (486, 30232), (494, 30271), (509, 30331), (577, 30571), (587, 30604), (588, 30607), (605, 30640), (608, 30646), (635, 30709),

Gene: Orion_31 Start: 28758, Stop: 31013, Start Num: 28

Candidate Starts for Orion_31:

(Start: 28 @28758 has 302 MA's), (50, 28854), (70, 28932), (73, 28959), (106, 29058), (141, 29217), (182, 29397), (187, 29421), (205, 29511), (207, 29517), (217, 29553), (230, 29592), (234, 29601), (240, 29634), (248, 29673), (260, 29718), (275, 29769), (284, 29820), (285, 29829), (300, 29898), (322, 29973), (340, 30018), (344, 30033), (379, 30168), (393, 30222), (398, 30243), (413, 30276),

(425, 30321), (439, 30375), (466, 30459), (472, 30480), (486, 30522), (494, 30561), (509, 30621), (577, 30861), (587, 30894), (588, 30897), (605, 30930), (608, 30936), (635, 30999),

Gene: Orwigg_31 Start: 28456, Stop: 30711, Start Num: 28

Candidate Starts for Orwigg_31:

(Start: 28 @28456 has 302 MA's), (50, 28552), (70, 28630), (73, 28657), (106, 28756), (141, 28915), (182, 29095), (187, 29119), (205, 29209), (207, 29215), (217, 29251), (230, 29290), (234, 29299), (240, 29332), (248, 29371), (260, 29416), (275, 29467), (284, 29518), (285, 29527), (300, 29596), (322, 29671), (340, 29716), (344, 29731), (379, 29866), (393, 29920), (398, 29941), (413, 29974), (425, 30019), (439, 30073), (448, 30100), (466, 30157), (472, 30178), (486, 30220), (494, 30259), (509, 30319), (577, 30559), (587, 30592), (588, 30595), (605, 30628), (608, 30634), (635, 30697),

Gene: PG1_31 Start: 28771, Stop: 31026, Start Num: 28

Candidate Starts for PG1_31:

(Start: 28 @28771 has 302 MA's), (50, 28867), (70, 28945), (73, 28972), (106, 29071), (141, 29230), (182, 29410), (187, 29434), (205, 29524), (207, 29530), (217, 29566), (230, 29605), (234, 29614), (240, 29647), (248, 29686), (260, 29731), (275, 29782), (284, 29833), (285, 29842), (300, 29911), (322, 29986), (340, 30031), (344, 30046), (379, 30181), (393, 30235), (398, 30256), (413, 30289), (425, 30334), (439, 30388), (466, 30472), (472, 30493), (486, 30535), (494, 30574), (509, 30634), (577, 30874), (587, 30907), (588, 30910), (605, 30943), (608, 30949), (635, 31012),

Gene: Pacifista_30 Start: 28462, Stop: 30717, Start Num: 28

Candidate Starts for Pacifista_30:

(Start: 28 @28462 has 302 MA's), (50, 28558), (70, 28636), (73, 28663), (106, 28762), (141, 28921), (182, 29101), (187, 29125), (205, 29215), (207, 29221), (217, 29257), (230, 29296), (234, 29305), (240, 29338), (248, 29377), (260, 29422), (275, 29473), (284, 29524), (285, 29533), (300, 29602), (322, 29677), (340, 29722), (344, 29737), (379, 29872), (393, 29926), (398, 29947), (413, 29980), (425, 30025), (439, 30079), (448, 30106), (466, 30163), (472, 30184), (486, 30226), (494, 30265), (509, 30325), (577, 30565), (587, 30598), (588, 30601), (605, 30634), (608, 30640), (635, 30703),

Gene: Panchino_20 Start: 17533, Stop: 20178, Start Num: 7

Candidate Starts for Panchino_20:

(Start: 5 @17521 has 1 MA's), (Start: 7 @17533 has 9 MA's), (10, 17545), (34, 17656), (Start: 39 @17680 has 1 MA's), (40, 17683), (41, 17692), (56, 17740), (114, 17965), (118, 17977), (123, 17998), (135, 18043), (147, 18097), (164, 18175), (171, 18205), (178, 18241), (183, 18262), (186, 18277), (195, 18319), (202, 18352), (222, 18427), (229, 18451), (231, 18457), (236, 18469), (242, 18511), (243, 18517), (267, 18616), (289, 18736), (293, 18754), (305, 18787), (310, 18814), (320, 18865), (365, 19075), (384, 19141), (396, 19177), (423, 19288), (439, 19351), (484, 19513), (489, 19528), (501, 19579), (530, 19696), (542, 19741), (558, 19783), (566, 19819), (579, 19873), (604, 19921), (660, 20065), (676, 20122), (684, 20161), (687, 20170),

Gene: Patt_28 Start: 22014, Stop: 24320, Start Num: 16

Candidate Starts for Patt_28:

(Start: 16 @22014 has 68 MA's), (24, 22044), (Start: 31 @22062 has 1 MA's), (43, 22125), (82, 22266), (122, 22332), (140, 22395), (149, 22446), (150, 22455), (160, 22488), (171, 22536), (185, 22593), (222, 22653), (226, 22665), (231, 22680), (234, 22686), (240, 22719), (251, 22767), (270, 22821), (286, 22893), (327, 23073), (354, 23154), (390, 23307), (404, 23349), (420, 23406), (422, 23418), (441, 23505), (445, 23523), (459, 23589), (464, 23604), (530, 23853), (534, 23868), (535, 23874), (541, 23898), (554, 23937), (558, 23949), (580, 24045), (597, 24081), (605, 24096), (606, 24099), (613, 24120), (620, 24135), (655, 24204), (661, 24234), (687, 24312),

Gene: Peanam_27 Start: 20230, Stop: 22731, Start Num: 16

Candidate Starts for Peanam_27:

(Start: 16 @20230 has 68 MA's), (Start: 31 @20278 has 1 MA's), (42, 20329), (63, 20401), (75, 20452), (80, 20470), (91, 20503), (119, 20524), (121, 20536), (137, 20590), (152, 20668), (163, 20707), (175, 20764), (183, 20800), (195, 20851), (203, 20881), (208, 20896), (211, 20920), (222, 20953), (229, 20974), (231, 20980), (240, 21019), (276, 21172), (281, 21205), (283, 21217), (295, 21280), (318, 21364), (360, 21547), (374, 21601), (385, 21643), (438, 21835), (439, 21841), (445, 21865), (458, 21928), (470, 21967), (489, 22030), (501, 22087), (506, 22120), (510, 22138), (521, 22177), (532, 22216), (534, 22222), (552, 22279), (581, 22393), (607, 22447), (612, 22462), (625, 22492), (633, 22504), (653, 22561), (657, 22579), (666, 22609), (668, 22627), (686, 22708),

Gene: PenguinLover67_32 Start: 30945, Stop: 33434, Start Num: 25

Candidate Starts for PenguinLover67_32:

(3, 30792), (Start: 25 @30945 has 2 MA's), (50, 31044), (51, 31050), (55, 31062), (69, 31119), (102, 31266), (109, 31317), (111, 31326), (126, 31380), (162, 31533), (180, 31614), (181, 31617), (194, 31677), (198, 31704), (239, 31860), (240, 31863), (243, 31884), (275, 31998), (283, 32046), (299, 32124), (307, 32148), (315, 32169), (333, 32253), (336, 32256), (342, 32274), (386, 32439), (395, 32469), (404, 32499), (416, 32538), (421, 32550), (426, 32580), (436, 32616), (439, 32628), (475, 32751), (477, 32754), (479, 32757), (481, 32763), (486, 32787), (500, 32847), (503, 32865), (521, 32931), (522, 32934), (528, 32955), (540, 33006), (549, 33027), (575, 33132), (627, 33258), (645, 33300), (654, 33336), (658, 33354), (664, 33381),

Gene: Phaedrus_29 Start: 28532, Stop: 30757, Start Num: 27

Candidate Starts for Phaedrus_29:

(Start: 27 @28532 has 45 MA's), (Start: 31 @28547 has 1 MA's), (40, 28592), (55, 28649), (74, 28727), (96, 28796), (106, 28808), (112, 28850), (121, 28886), (130, 28913), (133, 28925), (139, 28952), (159, 29042), (175, 29114), (194, 29198), (220, 29306), (226, 29327), (248, 29420), (253, 29435), (283, 29564), (300, 29645), (322, 29720), (337, 29762), (340, 29768), (351, 29804), (379, 29918), (383, 29930), (393, 29972), (398, 29993), (418, 30047), (425, 30071), (435, 30107), (466, 30203), (468, 30212), (486, 30266), (511, 30374), (521, 30401), (533, 30443), (557, 30515), (576, 30596), (577, 30605), (588, 30641),

Gene: Phalm_21 Start: 18926, Stop: 21559, Start Num: 6

Candidate Starts for Phalm_21:

(Start: 6 @18926 has 7 MA's), (8, 18935), (40, 19079), (114, 19352), (118, 19364), (123, 19385), (131, 19409), (147, 19484), (164, 19556), (171, 19586), (178, 19622), (190, 19685), (195, 19700), (200, 19727), (202, 19733), (222, 19808), (229, 19832), (231, 19838), (236, 19850), (242, 19892), (243, 19898), (263, 19985), (271, 20006), (276, 20030), (287, 20096), (289, 20117), (293, 20135), (305, 20168), (309, 20192), (310, 20195), (320, 20246), (348, 20351), (358, 20393), (396, 20558), (420, 20654), (439, 20732), (444, 20744), (466, 20834), (484, 20894), (487, 20903), (497, 20951), (501, 20960), (530, 21077), (542, 21122), (558, 21164), (574, 21230), (579, 21254), (604, 21302), (605, 21308), (607, 21314), (651, 21413), (655, 21422), (661, 21452), (684, 21542), (687, 21551),

Gene: Phamished_31 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for Phamished_31:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (448, 30410), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (587, 30902), (588, 30905), (605, 30938), (608, 30944), (635, 31007),

Gene: Pharb_26 Start: 21154, Stop: 23529, Start Num: 16

Candidate Starts for Pharb_26:

(Start: 16 @21154 has 68 MA's), (23, 21181), (33, 21214), (48, 21274), (52, 21289), (75, 21379), (80, 21397), (137, 21523), (138, 21529), (142, 21544), (148, 21577), (164, 21634), (165, 21637), (168, 21655), (178, 21703), (194, 21772), (207, 21823), (229, 21910), (240, 21955), (253, 22012), (270, 22057), (281, 22102), (286, 22129), (294, 22171), (295, 22177), (297, 22186), (339, 22324), (362, 22414), (421, 22609), (483, 22840), (484, 22846), (487, 22855), (489, 22861), (497, 22903), (504, 22933), (516, 22990), (520, 22996), (554, 23101), (565, 23146), (578, 23200), (581, 23209), (594, 23239), (657, 23389), (670, 23431), (677, 23464), (687, 23509),

Gene: Phareon_31 Start: 28470, Stop: 30725, Start Num: 28

Candidate Starts for Phareon_31:

(Start: 28 @28470 has 302 MA's), (50, 28566), (70, 28644), (73, 28671), (106, 28770), (141, 28929), (182, 29109), (187, 29133), (205, 29223), (207, 29229), (217, 29265), (230, 29304), (234, 29313), (240, 29346), (248, 29385), (260, 29430), (275, 29481), (284, 29532), (285, 29541), (300, 29610), (322, 29685), (340, 29730), (344, 29745), (379, 29880), (393, 29934), (398, 29955), (413, 29988), (425, 30033), (439, 30087), (448, 30114), (466, 30171), (472, 30192), (486, 30234), (494, 30273), (509, 30333), (577, 30573), (587, 30606), (588, 30609), (605, 30642), (608, 30648), (635, 30711),

Gene: PhatCats2014_31 Start: 28775, Stop: 31030, Start Num: 28

Candidate Starts for PhatCats2014_31:

(Start: 28 @28775 has 302 MA's), (50, 28871), (70, 28949), (73, 28976), (106, 29075), (141, 29234), (182, 29414), (187, 29438), (205, 29528), (207, 29534), (217, 29570), (230, 29609), (234, 29618), (240, 29651), (248, 29690), (260, 29735), (275, 29786), (284, 29837), (285, 29846), (300, 29915), (322, 29990), (340, 30035), (344, 30050), (379, 30185), (393, 30239), (398, 30260), (413, 30293), (425, 30338), (439, 30392), (466, 30476), (472, 30497), (486, 30539), (494, 30578), (509, 30638), (577, 30878), (587, 30911), (588, 30914), (605, 30947), (608, 30953), (635, 31016),

Gene: PhatLouie_31 Start: 28764, Stop: 31019, Start Num: 28

Candidate Starts for PhatLouie_31:

(Start: 28 @28764 has 302 MA's), (50, 28860), (70, 28938), (73, 28965), (106, 29064), (141, 29223), (182, 29403), (187, 29427), (205, 29517), (207, 29523), (217, 29559), (230, 29598), (234, 29607), (240, 29640), (248, 29679), (260, 29724), (275, 29775), (284, 29826), (285, 29835), (300, 29904), (322, 29979), (340, 30024), (344, 30039), (379, 30174), (393, 30228), (398, 30249), (413, 30282), (425, 30327), (439, 30381), (448, 30408), (466, 30465), (472, 30486), (486, 30528), (494, 30567), (509, 30627), (577, 30867), (587, 30900), (588, 30903), (605, 30936), (608, 30942), (635, 31005),

Gene: Phayeta_31 Start: 28480, Stop: 30705, Start Num: 27

Candidate Starts for Phayeta_31:

(Start: 27 @28480 has 45 MA's), (Start: 31 @28495 has 1 MA's), (40, 28540), (55, 28597), (74, 28675), (96, 28744), (106, 28756), (112, 28798), (121, 28834), (130, 28861), (133, 28873), (139, 28900), (159, 28990), (175, 29062), (194, 29146), (220, 29254), (226, 29275), (248, 29368), (253, 29383), (283, 29512), (300, 29593), (322, 29668), (337, 29710), (340, 29716), (351, 29752), (363, 29815), (379, 29866), (383, 29878), (393, 29920), (398, 29941), (418, 29995), (425, 30019), (435, 30055), (466, 30151), (468, 30160), (486, 30214), (511, 30322), (521, 30349), (533, 30391), (557, 30463), (577, 30553), (588, 30589),

Gene: Phelemich_30 Start: 29231, Stop: 31498, Start Num: 28

Candidate Starts for Phelemich_30:

(Start: 28 @29231 has 302 MA's), (50, 29327), (65, 29384), (69, 29402), (76, 29447), (167, 29798), (186, 29894), (188, 29900), (194, 29930), (197, 29954), (202, 29981), (230, 30071), (236, 30086), (278, 30266), (284, 30302), (289, 30338), (300, 30380), (322, 30455), (328, 30476), (340, 30506), (363, 30605), (370, 30629), (379, 30656), (393, 30710), (398, 30731), (413, 30764), (440, 30866), (466, 30944), (468, 30953), (472, 30965), (494, 31046), (495, 31049), (508, 31103), (511, 31115), (522, 31145), (527, 31163), (549, 31229), (561, 31277), (577, 31346), (635, 31484), (636, 31487),

Gene: PhelpsODU_26 Start: 20093, Stop: 22432, Start Num: 16

Candidate Starts for PhelpsODU_26:

(Start: 16 @20093 has 68 MA's), (32, 20150), (63, 20264), (67, 20282), (80, 20333), (86, 20354), (132, 20432), (152, 20531), (156, 20543), (178, 20642), (180, 20651), (201, 20744), (222, 20825), (231, 20855), (236, 20867), (237, 20876), (240, 20894), (242, 20909), (249, 20933), (270, 20993), (281, 21038), (286, 21065), (297, 21122), (302, 21131), (318, 21200), (319, 21203), (322, 21221), (335, 21263), (341, 21284), (353, 21314), (373, 21401), (390, 21464), (400, 21497), (423, 21569), (436, 21617), (439, 21629), (456, 21698), (466, 21722), (487, 21791), (535, 21980), (560, 22055), (566, 22079), (601, 22184), (606, 22193), (612, 22211), (651, 22298), (660, 22322), (674, 22364), (688, 22424),

Gene: PhenghisKhan_30 Start: 28370, Stop: 30625, Start Num: 28

Candidate Starts for PhenghisKhan_30:

(Start: 28 @28370 has 302 MA's), (50, 28466), (70, 28544), (73, 28571), (106, 28670), (141, 28829), (182, 29009), (187, 29033), (205, 29123), (207, 29129), (217, 29165), (230, 29204), (234, 29213), (240, 29246), (248, 29285), (260, 29330), (275, 29381), (284, 29432), (285, 29441), (300, 29510), (322, 29585), (340, 29630), (344, 29645), (379, 29780), (393, 29834), (398, 29855), (413, 29888), (425, 29933), (439, 29987), (448, 30014), (466, 30071), (472, 30092), (486, 30134), (494, 30173), (509, 30233), (577, 30473), (587, 30506), (588, 30509), (605, 30542), (608, 30548), (635, 30611),

Gene: Pherdinand_31 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for Pherdinand_31:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (587, 30902), (588, 30905), (605, 30938), (608, 30944), (635, 31007),

Gene: Phergie_30 Start: 28361, Stop: 30616, Start Num: 28

Candidate Starts for Phergie_30:

(Start: 28 @28361 has 302 MA's), (50, 28457), (70, 28535), (73, 28562), (106, 28661), (141, 28820), (182, 29000), (187, 29024), (205, 29114), (207, 29120), (217, 29156), (230, 29195), (234, 29204), (240, 29237), (248, 29276), (260, 29321), (275, 29372), (284, 29423), (285, 29432), (300, 29501), (322, 29576), (340, 29621), (344, 29636), (379, 29771), (393, 29825), (398, 29846), (413, 29879), (425, 29924), (439, 29978), (448, 30005), (466, 30062), (472, 30083), (486, 30125), (494, 30164), (509, 30224), (577, 30464), (587, 30497), (588, 30500), (605, 30533), (608, 30539), (635, 30602),

Gene: Philly_30 Start: 28467, Stop: 30692, Start Num: 27

Candidate Starts for Philly_30:

(Start: 27 @28467 has 45 MA's), (Start: 31 @28482 has 1 MA's), (40, 28527), (55, 28584), (74, 28662), (96, 28731), (106, 28743), (112, 28785), (121, 28821), (130, 28848), (133, 28860), (139, 28887), (159, 28977), (175, 29049), (194, 29133), (220, 29241), (226, 29262), (248, 29355), (253, 29370), (283, 29499), (300, 29580), (322, 29655), (340, 29703), (363, 29802), (379, 29853), (383, 29865), (393, 29907), (398, 29928), (418, 29982), (425, 30006), (435, 30042), (466, 30138), (468, 30147), (486, 30201), (511, 30309), (521, 30336), (533, 30378), (557, 30450), (577, 30540), (588, 30576),

Gene: Phineas_21 Start: 19035, Stop: 21668, Start Num: 6

Candidate Starts for Phineas_21:

(Start: 6 @19035 has 7 MA's), (8, 19044), (40, 19188), (114, 19461), (118, 19473), (123, 19494), (131, 19518), (147, 19593), (164, 19665), (171, 19695), (178, 19731), (190, 19794), (195, 19809), (202, 19842), (222, 19917), (229, 19941), (231, 19947), (236, 19959), (242, 20001), (243, 20007), (263,

20094), (271, 20115), (276, 20139), (287, 20205), (289, 20226), (293, 20244), (305, 20277), (309, 20301), (310, 20304), (320, 20355), (348, 20460), (358, 20502), (396, 20667), (420, 20763), (439, 20841), (444, 20853), (466, 20943), (484, 21003), (487, 21012), (497, 21060), (501, 21069), (530, 21186), (542, 21231), (558, 21273), (574, 21339), (579, 21363), (604, 21411), (605, 21417), (607, 21423), (651, 21522), (655, 21531), (661, 21561), (684, 21651), (687, 21660),

Gene: Phipps_31 Start: 28736, Stop: 30991, Start Num: 28

Candidate Starts for Phipps_31:

(Start: 28 @28736 has 302 MA's), (50, 28832), (70, 28910), (73, 28937), (106, 29036), (141, 29195), (182, 29375), (187, 29399), (205, 29489), (207, 29495), (217, 29531), (230, 29570), (234, 29579), (240, 29612), (248, 29651), (260, 29696), (275, 29747), (284, 29798), (285, 29807), (300, 29876), (322, 29951), (340, 29996), (344, 30011), (379, 30146), (393, 30200), (398, 30221), (413, 30254), (425, 30299), (439, 30353), (448, 30380), (466, 30437), (472, 30458), (486, 30500), (494, 30539), (509, 30599), (577, 30839), (587, 30872), (588, 30875), (605, 30908), (608, 30914), (635, 30977),

Gene: Phleuron_30 Start: 28367, Stop: 30622, Start Num: 28

Candidate Starts for Phleuron_30:

(Start: 28 @28367 has 302 MA's), (50, 28463), (70, 28541), (73, 28568), (106, 28667), (141, 28826), (182, 29006), (187, 29030), (207, 29126), (217, 29162), (230, 29201), (234, 29210), (240, 29243), (248, 29282), (260, 29327), (275, 29378), (284, 29429), (285, 29438), (300, 29507), (322, 29582), (340, 29627), (344, 29642), (379, 29777), (393, 29831), (398, 29852), (413, 29885), (425, 29930), (439, 29984), (448, 30011), (466, 30068), (472, 30089), (486, 30131), (494, 30170), (509, 30230), (577, 30470), (587, 30503), (588, 30506), (605, 30539), (608, 30545), (635, 30608),

Gene: Phloss_20 Start: 17556, Stop: 20201, Start Num: 7

Candidate Starts for Phloss_20:

(Start: 5 @17544 has 1 MA's), (Start: 7 @17556 has 9 MA's), (10, 17568), (12, 17580), (21, 17634), (Start: 39 @17703 has 1 MA's), (40, 17706), (41, 17715), (46, 17730), (91, 17907), (114, 17988), (116, 17997), (133, 18054), (136, 18069), (165, 18201), (175, 18249), (178, 18264), (183, 18285), (190, 18327), (195, 18342), (196, 18351), (202, 18378), (204, 18384), (222, 18453), (229, 18474), (231, 18480), (235, 18489), (239, 18516), (255, 18582), (257, 18594), (263, 18627), (267, 18639), (289, 18759), (293, 18777), (305, 18810), (320, 18888), (348, 18993), (358, 19035), (409, 19254), (419, 19293), (420, 19296), (423, 19311), (439, 19374), (453, 19422), (484, 19536), (491, 19566), (497, 19593), (501, 19602), (530, 19719), (542, 19764), (558, 19806), (574, 19872), (579, 19896), (604, 19944), (605, 19950), (607, 19956), (612, 19971), (651, 20055), (661, 20094), (684, 20184), (687, 20193),

Gene: Phlyer_31 Start: 29348, Stop: 31576, Start Num: 27

Candidate Starts for Phlyer_31:

(Start: 27 @29348 has 45 MA's), (Start: 31 @29363 has 1 MA's), (40, 29408), (55, 29465), (74, 29543), (96, 29612), (106, 29624), (112, 29666), (121, 29702), (130, 29729), (133, 29741), (139, 29768), (159, 29858), (175, 29930), (194, 30014), (220, 30122), (226, 30143), (248, 30236), (253, 30251), (283, 30380), (300, 30461), (322, 30536), (337, 30578), (340, 30584), (351, 30620), (379, 30734), (383, 30746), (393, 30788), (398, 30809), (418, 30863), (425, 30887), (435, 30923), (466, 31022), (468, 31031), (486, 31085), (511, 31193), (521, 31220), (533, 31262), (557, 31334), (577, 31424), (588, 31460),

Gene: Phrank_26 Start: 20046, Stop: 22382, Start Num: 16

Candidate Starts for Phrank_26:

(Start: 16 @20046 has 68 MA's), (Start: 31 @20094 has 1 MA's), (32, 20103), (63, 20217), (67, 20235), (80, 20286), (132, 20382), (134, 20391), (152, 20481), (156, 20493), (178, 20592), (180, 20601), (201, 20694), (222, 20775), (231, 20805), (236, 20817), (240, 20844), (242, 20859), (249, 20883), (270, 20943), (281, 20988), (286, 21015), (293, 21054), (297, 21072), (302, 21081), (318, 21150), (319,

21153), (322, 21171), (335, 21213), (341, 21234), (353, 21264), (373, 21351), (390, 21414), (400, 21447), (405, 21456), (423, 21519), (436, 21567), (439, 21579), (456, 21648), (466, 21672), (476, 21702), (487, 21741), (535, 21930), (560, 22005), (574, 22059), (606, 22143), (612, 22161), (651, 22248), (660, 22272), (674, 22314), (688, 22374),

Gene: PhrankReynolds_30 Start: 28367, Stop: 30622, Start Num: 28

Candidate Starts for PhrankReynolds_30:

(Start: 28 @28367 has 302 MA's), (50, 28463), (70, 28541), (73, 28568), (106, 28667), (141, 28826), (182, 29006), (187, 29030), (205, 29120), (207, 29126), (217, 29162), (230, 29201), (234, 29210), (240, 29243), (248, 29282), (260, 29327), (275, 29378), (284, 29429), (285, 29438), (300, 29507), (322, 29582), (340, 29627), (344, 29642), (379, 29777), (393, 29831), (398, 29852), (413, 29885), (425, 29930), (439, 29984), (448, 30011), (466, 30068), (472, 30089), (486, 30131), (494, 30170), (509, 30230), (577, 30470), (587, 30503), (588, 30506), (605, 30539), (608, 30545), (635, 30608),

Gene: PhrodoBaggins_30 Start: 28754, Stop: 31009, Start Num: 28

Candidate Starts for PhrodoBaggins_30:

(Start: 28 @28754 has 302 MA's), (50, 28850), (70, 28928), (73, 28955), (106, 29054), (141, 29213), (182, 29393), (187, 29417), (205, 29507), (207, 29513), (217, 29549), (230, 29588), (234, 29597), (240, 29630), (248, 29669), (260, 29714), (275, 29765), (284, 29816), (285, 29825), (300, 29894), (322, 29969), (340, 30014), (344, 30029), (379, 30164), (393, 30218), (398, 30239), (413, 30272), (425, 30317), (439, 30371), (448, 30398), (466, 30455), (472, 30476), (486, 30518), (494, 30557), (509, 30617), (577, 30857), (587, 30890), (588, 30893), (605, 30926), (608, 30932), (635, 30995),

Gene: Phunky_31 Start: 28767, Stop: 31022, Start Num: 28

Candidate Starts for Phunky_31:

(Start: 28 @28767 has 302 MA's), (50, 28863), (70, 28941), (73, 28968), (106, 29067), (141, 29226), (182, 29406), (187, 29430), (205, 29520), (207, 29526), (217, 29562), (230, 29601), (234, 29610), (240, 29643), (248, 29682), (260, 29727), (275, 29778), (284, 29829), (285, 29838), (300, 29907), (322, 29982), (340, 30027), (344, 30042), (379, 30177), (393, 30231), (398, 30252), (413, 30285), (425, 30330), (439, 30384), (448, 30411), (466, 30468), (472, 30489), (486, 30531), (494, 30570), (509, 30630), (577, 30870), (587, 30903), (588, 30906), (605, 30939), (608, 30945), (635, 31008),

Gene: Piglet_0030 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for Piglet_0030:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (448, 30410), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (587, 30902), (588, 30905), (605, 30938), (608, 30944), (635, 31007),

Gene: PinheadLarry_31 Start: 28480, Stop: 30735, Start Num: 28

Candidate Starts for PinheadLarry_31:

(Start: 28 @28480 has 302 MA's), (50, 28576), (70, 28654), (73, 28681), (106, 28780), (141, 28939), (182, 29119), (187, 29143), (205, 29233), (207, 29239), (217, 29275), (230, 29314), (234, 29323), (240, 29356), (248, 29395), (260, 29440), (275, 29491), (284, 29542), (285, 29551), (300, 29620), (322, 29695), (340, 29740), (344, 29755), (379, 29890), (393, 29944), (398, 29965), (413, 29998), (425, 30043), (439, 30097), (448, 30124), (466, 30181), (472, 30202), (486, 30244), (494, 30283), (509, 30343), (577, 30583), (588, 30619), (605, 30652), (635, 30721),

Gene: Pinkman_30 Start: 28323, Stop: 30578, Start Num: 28

Candidate Starts for Pinkman_30:

(Start: 28 @28323 has 302 MA's), (50, 28419), (70, 28497), (73, 28524), (106, 28623), (141, 28782), (182, 28962), (187, 28986), (207, 29082), (217, 29118), (230, 29157), (234, 29166), (240, 29199), (248, 29238), (260, 29283), (275, 29334), (284, 29385), (285, 29394), (300, 29463), (322, 29538), (340, 29583), (344, 29598), (379, 29733), (393, 29787), (398, 29808), (413, 29841), (425, 29886), (439, 29940), (448, 29967), (466, 30024), (472, 30045), (486, 30087), (494, 30126), (509, 30186), (577, 30426), (588, 30462), (605, 30495), (635, 30564),

Gene: Pipefish_32 Start: 30005, Stop: 32233, Start Num: 27

Candidate Starts for Pipefish_32:

(Start: 27 @30005 has 45 MA's), (40, 30068), (55, 30125), (74, 30203), (96, 30272), (106, 30284), (112, 30326), (121, 30362), (133, 30401), (139, 30428), (159, 30518), (166, 30542), (175, 30590), (194, 30674), (220, 30782), (226, 30803), (248, 30896), (253, 30911), (283, 31040), (300, 31121), (322, 31196), (337, 31238), (340, 31244), (363, 31343), (379, 31394), (383, 31406), (393, 31448), (398, 31469), (418, 31523), (425, 31547), (435, 31583), (466, 31679), (468, 31688), (486, 31742), (511, 31850), (521, 31877), (533, 31919), (557, 31991), (577, 32081), (588, 32117),

Gene: Pipsqueak_31 Start: 28765, Stop: 31020, Start Num: 28

Candidate Starts for Pipsqueak_31:

(Start: 28 @28765 has 302 MA's), (50, 28861), (70, 28939), (73, 28966), (106, 29065), (141, 29224), (182, 29404), (187, 29428), (205, 29518), (207, 29524), (217, 29560), (230, 29599), (234, 29608), (240, 29641), (248, 29680), (260, 29725), (275, 29776), (284, 29827), (285, 29836), (300, 29905), (322, 29980), (340, 30025), (344, 30040), (379, 30175), (393, 30229), (398, 30250), (413, 30283), (425, 30328), (439, 30382), (448, 30409), (466, 30466), (472, 30487), (486, 30529), (494, 30568), (509, 30628), (577, 30868), (588, 30904), (605, 30937), (635, 31006),

Gene: Pixie_26 Start: 21086, Stop: 23437, Start Num: 16

Candidate Starts for Pixie_26:

(Start: 16 @21086 has 68 MA's), (23, 21113), (33, 21146), (61, 21251), (125, 21410), (137, 21455), (145, 21491), (148, 21509), (168, 21587), (178, 21635), (209, 21767), (222, 21821), (227, 21836), (253, 21944), (286, 22061), (294, 22103), (295, 22109), (297, 22118), (302, 22127), (319, 22208), (322, 22226), (335, 22268), (341, 22289), (349, 22310), (353, 22319), (373, 22406), (399, 22499), (400, 22502), (423, 22574), (458, 22709), (459, 22712), (476, 22757), (487, 22796), (490, 22814), (514, 22913), (520, 22931), (535, 22985), (549, 23015), (553, 23033), (560, 23060), (562, 23066), (574, 23114), (601, 23189), (606, 23198), (613, 23219), (617, 23228), (660, 23327), (674, 23369),

Gene: Placalicious_30 Start: 28458, Stop: 30713, Start Num: 28

Candidate Starts for Placalicious_30:

(Start: 28 @28458 has 302 MA's), (50, 28554), (70, 28632), (73, 28659), (106, 28758), (141, 28917), (182, 29097), (187, 29121), (205, 29211), (207, 29217), (217, 29253), (230, 29292), (234, 29301), (240, 29334), (248, 29373), (260, 29418), (275, 29469), (284, 29520), (285, 29529), (300, 29598), (322, 29673), (340, 29718), (344, 29733), (379, 29868), (393, 29922), (398, 29943), (413, 29976), (425, 30021), (439, 30075), (448, 30102), (466, 30159), (472, 30180), (486, 30222), (494, 30261), (509, 30321), (577, 30561), (587, 30594), (588, 30597), (605, 30630), (608, 30636), (635, 30699),

Gene: Plmatters_31 Start: 28763, Stop: 31018, Start Num: 28

Candidate Starts for Plmatters_31:

(Start: 28 @28763 has 302 MA's), (50, 28859), (70, 28937), (73, 28964), (106, 29063), (141, 29222), (182, 29402), (187, 29426), (205, 29516), (207, 29522), (217, 29558), (230, 29597), (234, 29606), (240, 29639), (248, 29678), (260, 29723), (275, 29774), (284, 29825), (285, 29834), (300, 29903), (322, 29978), (340, 30023), (344, 30038), (379, 30173), (393, 30227), (398, 30248), (413, 30281), (425, 30326), (439, 30380), (448, 30407), (466, 30464), (472, 30485), (486, 30527), (494, 30566), (509, 30626), (577, 30866), (587, 30899), (588, 30902), (605, 30935), (608, 30941), (635, 31004),

Gene: Podrick_31 Start: 28755, Stop: 31010, Start Num: 28

Candidate Starts for Podrick_31:

(Start: 28 @28755 has 302 MA's), (50, 28851), (70, 28929), (73, 28956), (106, 29055), (141, 29214), (182, 29394), (187, 29418), (205, 29508), (207, 29514), (217, 29550), (230, 29589), (234, 29598), (240, 29631), (248, 29670), (260, 29715), (275, 29766), (284, 29817), (285, 29826), (300, 29895), (322, 29970), (340, 30015), (344, 30030), (379, 30165), (393, 30219), (398, 30240), (413, 30273), (425, 30318), (439, 30372), (448, 30399), (466, 30456), (472, 30477), (486, 30519), (494, 30558), (509, 30618), (577, 30858), (587, 30891), (588, 30894), (605, 30927), (608, 30933), (635, 30996),

Gene: Pops_31 Start: 28775, Stop: 31033, Start Num: 28

Candidate Starts for Pops_31:

(Start: 28 @28775 has 302 MA's), (50, 28871), (70, 28949), (73, 28976), (106, 29078), (141, 29237), (182, 29417), (187, 29441), (207, 29537), (217, 29573), (230, 29612), (234, 29621), (240, 29654), (248, 29693), (260, 29738), (275, 29789), (284, 29840), (285, 29849), (300, 29918), (322, 29993), (340, 30038), (344, 30053), (379, 30188), (393, 30242), (398, 30263), (413, 30296), (425, 30341), (439, 30395), (448, 30422), (466, 30479), (472, 30500), (486, 30542), (494, 30581), (509, 30641), (577, 30881), (588, 30917), (605, 30950), (635, 31019),

Gene: Poster_27 Start: 27941, Stop: 30238, Start Num: 28

Candidate Starts for Poster_27:

(Start: 28 @27941 has 302 MA's), (50, 28040), (73, 28145), (83, 28181), (106, 28244), (120, 28325), (138, 28391), (141, 28403), (167, 28508), (174, 28547), (185, 28598), (187, 28607), (201, 28688), (202, 28691), (217, 28754), (231, 28796), (236, 28808), (261, 28931), (269, 28955), (283, 29018), (288, 29048), (289, 29057), (310, 29129), (315, 29150), (322, 29186), (328, 29207), (351, 29273), (356, 29285), (363, 29336), (364, 29339), (369, 29357), (376, 29381), (384, 29408), (393, 29441), (398, 29462), (413, 29495), (425, 29540), (467, 29681), (468, 29684), (472, 29696), (495, 29780), (533, 29915), (540, 29939), (558, 30002), (564, 30032), (567, 30038), (577, 30086), (587, 30119), (588, 30122), (635, 30224), (636, 30227),

Gene: Potter_30 Start: 28479, Stop: 30734, Start Num: 28

Candidate Starts for Potter_30:

(Start: 28 @28479 has 302 MA's), (50, 28575), (70, 28653), (73, 28680), (106, 28779), (141, 28938), (182, 29118), (187, 29142), (205, 29232), (207, 29238), (217, 29274), (230, 29313), (234, 29322), (240, 29355), (248, 29394), (260, 29439), (275, 29490), (284, 29541), (285, 29550), (300, 29619), (322, 29694), (340, 29739), (344, 29754), (379, 29889), (393, 29943), (398, 29964), (413, 29997), (425, 30042), (439, 30096), (448, 30123), (466, 30180), (472, 30201), (486, 30243), (494, 30282), (509, 30342), (577, 30582), (587, 30615), (588, 30618), (605, 30651), (608, 30657), (635, 30720),

Gene: Prickles_31 Start: 28755, Stop: 31010, Start Num: 28

Candidate Starts for Prickles_31:

(Start: 28 @28755 has 302 MA's), (50, 28851), (70, 28929), (73, 28956), (106, 29055), (141, 29214), (182, 29394), (187, 29418), (207, 29514), (217, 29550), (230, 29589), (234, 29598), (240, 29631), (248, 29670), (260, 29715), (275, 29766), (284, 29817), (285, 29826), (300, 29895), (322, 29970), (340, 30015), (344, 30030), (379, 30165), (393, 30219), (398, 30240), (413, 30273), (425, 30318), (439, 30372), (448, 30399), (466, 30456), (472, 30477), (486, 30519), (494, 30558), (509, 30618), (577, 30858), (588, 30894), (605, 30927), (635, 30996),

Gene: Prince_28 Start: 29124, Stop: 31421, Start Num: 28

Candidate Starts for Prince_28:

(Start: 1 @28437 has 1 MA's), (2, 28584), (Start: 28 @29124 has 302 MA's), (50, 29223), (73, 29328), (83, 29364), (106, 29427), (120, 29508), (138, 29574), (141, 29586), (167, 29691), (174, 29730), (185, 29781), (187, 29790), (201, 29871), (202, 29874), (217, 29937), (231, 29979), (236, 29991), (261, 30114), (269, 30138), (283, 30201), (310, 30312), (315, 30333), (322, 30369), (328, 30390), (351,

30456), (356, 30468), (363, 30519), (364, 30522), (369, 30540), (376, 30564), (384, 30591), (393, 30624), (398, 30645), (413, 30678), (425, 30723), (467, 30864), (468, 30867), (469, 30870), (472, 30879), (495, 30963), (527, 31077), (533, 31098), (540, 31122), (558, 31185), (564, 31215), (567, 31221), (577, 31269), (587, 31302), (588, 31305), (635, 31407), (636, 31410),

Gene: ProfessorX_31 Start: 28750, Stop: 31005, Start Num: 28

Candidate Starts for ProfessorX_31:

(Start: 28 @28750 has 302 MA's), (50, 28846), (70, 28924), (73, 28951), (106, 29050), (141, 29209), (182, 29389), (187, 29413), (205, 29503), (207, 29509), (217, 29545), (230, 29584), (234, 29593), (240, 29626), (248, 29665), (260, 29710), (275, 29761), (284, 29812), (285, 29821), (300, 29890), (322, 29965), (340, 30010), (344, 30025), (379, 30160), (393, 30214), (398, 30235), (413, 30268), (425, 30313), (439, 30367), (466, 30451), (472, 30472), (486, 30514), (494, 30553), (509, 30613), (577, 30853), (587, 30886), (588, 30889), (605, 30922), (608, 30928), (635, 30991),

Gene: Puhltonio_31 Start: 28770, Stop: 31025, Start Num: 28

Candidate Starts for Puhltonio_31:

(Start: 28 @28770 has 302 MA's), (50, 28866), (70, 28944), (73, 28971), (106, 29070), (141, 29229), (182, 29409), (187, 29433), (205, 29523), (207, 29529), (217, 29565), (230, 29604), (234, 29613), (240, 29646), (248, 29685), (260, 29730), (275, 29781), (284, 29832), (285, 29841), (300, 29910), (322, 29985), (340, 30030), (344, 30045), (379, 30180), (393, 30234), (398, 30255), (413, 30288), (425, 30333), (439, 30387), (448, 30414), (466, 30471), (472, 30492), (486, 30534), (494, 30573), (509, 30633), (577, 30873), (587, 30906), (588, 30909), (605, 30942), (608, 30948), (635, 31011),

Gene: QueenBeane_31 Start: 28761, Stop: 31016, Start Num: 28

Candidate Starts for QueenBeane_31:

(Start: 28 @28761 has 302 MA's), (50, 28857), (70, 28935), (73, 28962), (106, 29061), (141, 29220), (182, 29400), (187, 29424), (205, 29514), (207, 29520), (217, 29556), (230, 29595), (234, 29604), (240, 29637), (248, 29676), (260, 29721), (275, 29772), (284, 29823), (285, 29832), (300, 29901), (322, 29976), (340, 30021), (344, 30036), (379, 30171), (393, 30225), (398, 30246), (413, 30279), (425, 30324), (439, 30378), (448, 30405), (466, 30462), (472, 30483), (486, 30525), (494, 30564), (509, 30624), (577, 30864), (587, 30897), (588, 30900), (605, 30933), (608, 30939), (635, 31002),

Gene: QueenPie_27 Start: 29065, Stop: 31362, Start Num: 28

Candidate Starts for QueenPie_27:

(Start: 1 @28378 has 1 MA's), (2, 28525), (4, 28936), (Start: 28 @29065 has 302 MA's), (50, 29164), (55, 29182), (73, 29269), (83, 29305), (106, 29368), (120, 29449), (138, 29515), (167, 29632), (174, 29671), (187, 29731), (201, 29812), (202, 29815), (217, 29878), (231, 29920), (234, 29926), (236, 29932), (261, 30055), (269, 30079), (283, 30142), (289, 30181), (310, 30253), (315, 30274), (322, 30310), (328, 30331), (351, 30397), (356, 30409), (363, 30460), (364, 30463), (369, 30481), (376, 30505), (384, 30532), (393, 30565), (398, 30586), (413, 30619), (425, 30664), (467, 30805), (468, 30808), (472, 30820), (495, 30904), (533, 31039), (540, 31063), (558, 31126), (564, 31156), (567, 31162), (577, 31210), (587, 31243), (588, 31246), (635, 31348), (636, 31351),

Gene: Quesadilla_31 Start: 30831, Stop: 33335, Start Num: 27

Candidate Starts for Quesadilla_31:

(Start: 27 @30831 has 45 MA's), (36, 30882), (50, 30930), (55, 30948), (69, 31005), (92, 31116), (100, 31143), (108, 31185), (162, 31419), (180, 31500), (181, 31503), (194, 31563), (198, 31590), (236, 31725), (240, 31752), (243, 31773), (269, 31872), (275, 31887), (279, 31905), (283, 31935), (295, 32001), (301, 32016), (307, 32037), (325, 32109), (329, 32124), (333, 32142), (336, 32145), (342, 32163), (354, 32196), (359, 32223), (386, 32328), (395, 32358), (404, 32388), (416, 32427), (421, 32439), (426, 32469), (436, 32505), (439, 32517), (475, 32640), (477, 32643), (479, 32646), (481, 32652), (486, 32676), (521, 32820), (528, 32844), (539, 32889), (548, 32913), (611, 33126), (630, 33162), (658, 33255),

Gene: Quisquilliae_31 Start: 28789, Stop: 31044, Start Num: 28

Candidate Starts for Quisquilliae_31:

(Start: 28 @28789 has 302 MA's), (50, 28885), (70, 28963), (73, 28990), (106, 29089), (141, 29248), (182, 29428), (187, 29452), (205, 29542), (207, 29548), (217, 29584), (230, 29623), (234, 29632), (240, 29665), (248, 29704), (260, 29749), (275, 29800), (284, 29851), (285, 29860), (300, 29929), (322, 30004), (340, 30049), (344, 30064), (379, 30199), (393, 30253), (398, 30274), (413, 30307), (425, 30352), (439, 30406), (448, 30433), (466, 30490), (472, 30511), (486, 30553), (494, 30592), (509, 30652), (577, 30892), (587, 30925), (588, 30928), (605, 30961), (608, 30967), (635, 31030),

Gene: RagingRooster_31 Start: 28614, Stop: 30842, Start Num: 27

Candidate Starts for RagingRooster_31:

(Start: 27 @28614 has 45 MA's), (Start: 31 @28629 has 1 MA's), (40, 28674), (55, 28731), (74, 28809), (96, 28878), (106, 28890), (112, 28932), (121, 28968), (130, 28995), (133, 29007), (139, 29034), (159, 29124), (175, 29196), (194, 29280), (220, 29388), (226, 29409), (248, 29502), (253, 29517), (283, 29646), (300, 29727), (322, 29802), (337, 29844), (340, 29850), (351, 29886), (379, 30000), (383, 30012), (393, 30054), (398, 30075), (418, 30129), (425, 30153), (435, 30189), (466, 30288), (468, 30297), (486, 30351), (511, 30459), (521, 30486), (533, 30528), (557, 30600), (577, 30690), (588, 30726),

Gene: RawrgerThat_28 Start: 28967, Stop: 31264, Start Num: 28

Candidate Starts for RawrgerThat_28:

(Start: 28 @28967 has 302 MA's), (50, 29066), (55, 29084), (83, 29207), (106, 29270), (120, 29351), (138, 29417), (167, 29534), (174, 29573), (185, 29624), (187, 29633), (197, 29690), (201, 29714), (202, 29717), (217, 29780), (231, 29822), (261, 29957), (269, 29981), (283, 30044), (310, 30155), (315, 30176), (322, 30212), (328, 30233), (351, 30299), (356, 30311), (363, 30362), (364, 30365), (369, 30383), (376, 30407), (384, 30434), (393, 30467), (398, 30488), (413, 30521), (425, 30566), (467, 30707), (468, 30710), (472, 30722), (495, 30806), (527, 30920), (533, 30941), (540, 30965), (558, 31028), (564, 31058), (567, 31064), (577, 31112), (587, 31145), (588, 31148), (635, 31250), (636, 31253),

Gene: RedMaple_30 Start: 28765, Stop: 31023, Start Num: 28

Candidate Starts for RedMaple_30:

(Start: 28 @28765 has 302 MA's), (50, 28861), (70, 28939), (73, 28966), (106, 29068), (141, 29227), (182, 29407), (187, 29431), (207, 29527), (217, 29563), (230, 29602), (234, 29611), (240, 29644), (248, 29683), (260, 29728), (275, 29779), (284, 29830), (285, 29839), (300, 29908), (322, 29983), (340, 30028), (344, 30043), (379, 30178), (393, 30232), (398, 30253), (413, 30286), (425, 30331), (439, 30385), (448, 30412), (466, 30469), (472, 30490), (486, 30532), (494, 30571), (509, 30631), (577, 30871), (588, 30907), (605, 30940), (635, 31009),

Gene: Reprobate_30 Start: 29236, Stop: 31503, Start Num: 28

Candidate Starts for Reprobate_30:

(Start: 28 @29236 has 302 MA's), (50, 29332), (65, 29389), (69, 29407), (76, 29452), (167, 29803), (186, 29899), (188, 29905), (194, 29935), (197, 29959), (202, 29986), (230, 30076), (236, 30091), (278, 30271), (284, 30307), (289, 30343), (300, 30385), (322, 30460), (328, 30481), (340, 30511), (363, 30610), (370, 30634), (379, 30661), (393, 30715), (398, 30736), (413, 30769), (440, 30871), (466, 30949), (468, 30958), (472, 30970), (494, 31051), (495, 31054), (508, 31108), (511, 31120), (522, 31150), (527, 31168), (549, 31234), (561, 31282), (577, 31351), (635, 31489), (636, 31492),

Gene: Reptar3000_28 Start: 22013, Stop: 24316, Start Num: 16

Candidate Starts for Reptar3000_28:

(Start: 16 @22013 has 68 MA's), (Start: 31 @22061 has 1 MA's), (32, 22070), (43, 22124), (53, 22157), (82, 22265), (140, 22394), (149, 22445), (150, 22454), (171, 22535), (185, 22592), (222, 22652), (226,

22664), (231, 22679), (234, 22685), (240, 22718), (251, 22766), (270, 22820), (286, 22892), (327, 23072), (354, 23153), (390, 23303), (404, 23345), (420, 23402), (422, 23414), (445, 23519), (459, 23585), (464, 23600), (491, 23696), (530, 23849), (534, 23864), (535, 23870), (541, 23894), (554, 23933), (558, 23945), (580, 24041), (597, 24077), (605, 24092), (606, 24095), (613, 24116), (620, 24131), (655, 24200), (661, 24230), (687, 24308),

Gene: Rich_29 Start: 28722, Stop: 30989, Start Num: 28

Candidate Starts for Rich_29:

(Start: 28 @28722 has 302 MA's), (29, 28728), (40, 28779), (Start: 45 @28800 has 1 MA's), (60, 28854), (62, 28866), (65, 28875), (69, 28893), (83, 28956), (167, 29289), (188, 29391), (197, 29445), (230, 29565), (236, 29580), (240, 29607), (284, 29793), (289, 29829), (300, 29871), (328, 29967), (340, 29997), (363, 30096), (379, 30147), (418, 30276), (425, 30300), (457, 30414), (466, 30435), (486, 30498), (494, 30537), (495, 30540), (511, 30606), (522, 30636), (527, 30654), (549, 30720), (557, 30747), (577, 30837), (605, 30906), (635, 30975), (636, 30978),

Gene: Richo_27 Start: 20230, Stop: 22731, Start Num: 16

Candidate Starts for Richo_27:

(Start: 16 @20230 has 68 MA's), (Start: 31 @20278 has 1 MA's), (42, 20329), (63, 20401), (75, 20452), (80, 20470), (91, 20503), (119, 20524), (121, 20536), (137, 20590), (152, 20668), (163, 20707), (175, 20764), (183, 20800), (195, 20851), (203, 20881), (208, 20896), (211, 20920), (222, 20953), (229, 20974), (231, 20980), (240, 21019), (276, 21172), (281, 21205), (283, 21217), (295, 21280), (318, 21364), (360, 21547), (374, 21601), (385, 21643), (438, 21835), (439, 21841), (445, 21865), (458, 21928), (470, 21967), (489, 22030), (501, 22087), (506, 22120), (510, 22138), (521, 22177), (532, 22216), (534, 22222), (552, 22279), (581, 22393), (607, 22447), (612, 22462), (625, 22492), (633, 22504), (653, 22561), (657, 22579), (666, 22609), (668, 22627), (686, 22708),

Gene: Ricotta_30 Start: 28488, Stop: 30743, Start Num: 28

Candidate Starts for Ricotta_30:

(Start: 28 @28488 has 302 MA's), (50, 28584), (70, 28662), (73, 28689), (106, 28788), (141, 28947), (182, 29127), (187, 29151), (205, 29241), (207, 29247), (217, 29283), (230, 29322), (234, 29331), (240, 29364), (248, 29403), (260, 29448), (275, 29499), (284, 29550), (285, 29559), (300, 29628), (322, 29703), (340, 29748), (344, 29763), (379, 29898), (393, 29952), (398, 29973), (413, 30006), (425, 30051), (439, 30105), (448, 30132), (466, 30189), (472, 30210), (486, 30252), (494, 30291), (509, 30351), (577, 30591), (588, 30627), (605, 30660), (635, 30729),

Gene: Riggan_31 Start: 28747, Stop: 31002, Start Num: 28

Candidate Starts for Riggan_31:

(Start: 28 @28747 has 302 MA's), (50, 28843), (70, 28921), (73, 28948), (106, 29047), (141, 29206), (182, 29386), (187, 29410), (205, 29500), (207, 29506), (217, 29542), (230, 29581), (234, 29590), (240, 29623), (248, 29662), (260, 29707), (275, 29758), (284, 29809), (285, 29818), (300, 29887), (322, 29962), (340, 30007), (344, 30022), (379, 30157), (393, 30211), (398, 30232), (413, 30265), (425, 30310), (439, 30364), (448, 30391), (466, 30448), (472, 30469), (486, 30511), (494, 30550), (509, 30610), (577, 30850), (587, 30883), (588, 30886), (605, 30919), (608, 30925), (635, 30988),

Gene: Rimu_32 Start: 28496, Stop: 30751, Start Num: 28

Candidate Starts for Rimu_32:

(Start: 28 @28496 has 302 MA's), (50, 28592), (70, 28670), (73, 28697), (106, 28796), (141, 28955), (182, 29135), (187, 29159), (207, 29255), (217, 29291), (230, 29330), (234, 29339), (240, 29372), (248, 29411), (260, 29456), (275, 29507), (284, 29558), (285, 29567), (300, 29636), (322, 29711), (340, 29756), (344, 29771), (379, 29906), (393, 29960), (398, 29981), (413, 30014), (425, 30059), (439, 30113), (448, 30140), (466, 30197), (472, 30218), (486, 30260), (494, 30299), (509, 30359), (577, 30599), (588, 30635), (605, 30668), (635, 30737),

Gene: Rita130_30 Start: 28981, Stop: 31257, Start Num: 28

Candidate Starts for Rita130_30:

(Start: 28 @28981 has 302 MA's), (29, 28987), (36, 29029), (42, 29050), (Start: 45 @29059 has 1 MA's), (60, 29113), (65, 29134), (69, 29152), (70, 29155), (76, 29197), (79, 29203), (83, 29215), (106, 29284), (109, 29320), (141, 29443), (167, 29548), (197, 29704), (202, 29731), (213, 29782), (230, 29833), (236, 29848), (284, 30061), (289, 30097), (300, 30139), (322, 30214), (363, 30364), (370, 30388), (379, 30415), (398, 30490), (418, 30544), (466, 30703), (468, 30712), (472, 30724), (494, 30805), (495, 30808), (511, 30874), (527, 30922), (549, 30988), (577, 31105),

Gene: Rita1961_31 Start: 28615, Stop: 30825, Start Num: 31

Candidate Starts for Rita1961_31:

(Start: 27 @28600 has 45 MA's), (Start: 31 @28615 has 1 MA's), (40, 28660), (55, 28717), (74, 28795), (96, 28864), (106, 28876), (112, 28918), (121, 28954), (130, 28981), (133, 28993), (139, 29020), (159, 29110), (175, 29182), (194, 29266), (220, 29374), (226, 29395), (248, 29488), (253, 29503), (283, 29632), (300, 29713), (322, 29788), (337, 29830), (340, 29836), (351, 29872), (379, 29986), (383, 29998), (393, 30040), (398, 30061), (418, 30115), (425, 30139), (435, 30175), (466, 30271), (468, 30280), (486, 30334), (511, 30442), (521, 30469), (533, 30511), (557, 30583), (577, 30673), (588, 30709),

Gene: Robyn_30 Start: 28329, Stop: 30587, Start Num: 28

Candidate Starts for Robyn_30:

(Start: 28 @28329 has 302 MA's), (50, 28425), (70, 28503), (73, 28530), (106, 28632), (141, 28791), (182, 28971), (187, 28995), (207, 29091), (217, 29127), (230, 29166), (240, 29208), (248, 29247), (260, 29292), (275, 29343), (284, 29394), (285, 29403), (300, 29472), (322, 29547), (340, 29592), (344, 29607), (379, 29742), (393, 29796), (398, 29817), (413, 29850), (425, 29895), (439, 29949), (466, 30033), (472, 30054), (486, 30096), (494, 30135), (509, 30195), (577, 30435), (587, 30468), (588, 30471), (605, 30504), (608, 30510), (635, 30573),

Gene: Roliet_31 Start: 28757, Stop: 31012, Start Num: 28

Candidate Starts for Roliet_31:

(Start: 28 @28757 has 302 MA's), (50, 28853), (70, 28931), (73, 28958), (106, 29057), (141, 29216), (182, 29396), (187, 29420), (207, 29516), (217, 29552), (230, 29591), (234, 29600), (240, 29633), (248, 29672), (260, 29717), (275, 29768), (284, 29819), (285, 29828), (300, 29897), (322, 29972), (340, 30017), (344, 30032), (379, 30167), (393, 30221), (398, 30242), (413, 30275), (425, 30320), (439, 30374), (448, 30401), (466, 30458), (472, 30479), (486, 30521), (494, 30560), (509, 30620), (577, 30860), (588, 30896), (605, 30929), (635, 30998),

Gene: RomaT_31 Start: 29390, Stop: 31615, Start Num: 27

Candidate Starts for RomaT_31:

(Start: 27 @29390 has 45 MA's), (Start: 31 @29405 has 1 MA's), (40, 29450), (55, 29507), (74, 29585), (96, 29654), (106, 29666), (112, 29708), (121, 29744), (130, 29771), (133, 29783), (139, 29810), (159, 29900), (175, 29972), (194, 30056), (220, 30164), (226, 30185), (248, 30278), (253, 30293), (283, 30422), (300, 30503), (322, 30578), (337, 30620), (340, 30626), (351, 30662), (363, 30725), (379, 30776), (383, 30788), (393, 30830), (398, 30851), (418, 30905), (425, 30929), (435, 30965), (466, 31061), (468, 31070), (486, 31124), (511, 31232), (521, 31259), (533, 31301), (557, 31373), (577, 31463), (588, 31499),

Gene: Roscoe_32 Start: 28995, Stop: 31250, Start Num: 28

Candidate Starts for Roscoe_32:

(Start: 28 @28995 has 302 MA's), (50, 29091), (70, 29169), (73, 29196), (106, 29295), (141, 29454), (182, 29634), (187, 29658), (205, 29748), (207, 29754), (217, 29790), (230, 29829), (234, 29838), (240, 29871), (248, 29910), (260, 29955), (275, 30006), (284, 30057), (285, 30066), (300, 30135), (322, 30210), (340, 30255), (344, 30270), (379, 30405), (391, 30456), (393, 30459), (398, 30480),

(413, 30513), (425, 30558), (439, 30612), (466, 30696), (472, 30717), (486, 30759), (494, 30798), (509, 30858), (577, 31098), (587, 31131), (588, 31134), (605, 31167), (608, 31173), (635, 31236),

Gene: Roy17_31 Start: 28461, Stop: 30716, Start Num: 28

Candidate Starts for Roy17_31:

(Start: 28 @28461 has 302 MA's), (50, 28557), (70, 28635), (73, 28662), (106, 28761), (141, 28920), (182, 29100), (187, 29124), (205, 29214), (207, 29220), (217, 29256), (230, 29295), (234, 29304), (240, 29337), (248, 29376), (260, 29421), (275, 29472), (284, 29523), (285, 29532), (300, 29601), (322, 29676), (340, 29721), (344, 29736), (379, 29871), (393, 29925), (398, 29946), (413, 29979), (425, 30024), (439, 30078), (466, 30162), (472, 30183), (486, 30225), (494, 30264), (509, 30324), (577, 30564), (587, 30597), (588, 30600), (605, 30633), (608, 30639), (635, 30702),

Gene: SDcharge11_31 Start: 28735, Stop: 30990, Start Num: 28

Candidate Starts for SDcharge11_31:

(Start: 28 @28735 has 302 MA's), (50, 28831), (70, 28909), (73, 28936), (106, 29035), (141, 29194), (182, 29374), (187, 29398), (207, 29494), (217, 29530), (230, 29569), (234, 29578), (240, 29611), (248, 29650), (260, 29695), (275, 29746), (284, 29797), (285, 29806), (300, 29875), (322, 29950), (340, 29995), (344, 30010), (379, 30145), (393, 30199), (398, 30220), (413, 30253), (425, 30298), (439, 30352), (448, 30379), (466, 30436), (472, 30457), (486, 30499), (494, 30538), (509, 30598), (577, 30838), (588, 30874), (605, 30907), (635, 30976),

Gene: Saguaro_31 Start: 30959, Stop: 33436, Start Num: 28

Candidate Starts for Saguaro_31:

(Start: 28 @30959 has 302 MA's), (Start: 31 @30971 has 1 MA's), (50, 31055), (51, 31061), (55, 31073), (69, 31130), (77, 31181), (108, 31301), (117, 31346), (126, 31382), (133, 31406), (158, 31520), (162, 31535), (181, 31619), (192, 31673), (198, 31706), (200, 31721), (217, 31781), (221, 31793), (223, 31799), (236, 31838), (240, 31865), (243, 31886), (248, 31904), (253, 31919), (269, 31985), (275, 32000), (283, 32048), (295, 32114), (307, 32153), (321, 32207), (336, 32261), (342, 32279), (354, 32312), (384, 32438), (395, 32474), (416, 32543), (421, 32555), (426, 32585), (434, 32609), (439, 32633), (454, 32690), (474, 32750), (475, 32756), (479, 32762), (481, 32768), (483, 32780), (486, 32792), (487, 32795), (490, 32813), (502, 32855), (521, 32936), (522, 32939), (528, 32960), (547, 33026), (549, 33032), (571, 33113), (575, 33137), (627, 33263), (642, 33302), (645, 33305), (647, 33311), (650, 33329), (658, 33359), (662, 33380), (671, 33416),

Gene: Samaymay_31 Start: 28761, Stop: 31016, Start Num: 28

Candidate Starts for Samaymay_31:

(Start: 28 @28761 has 302 MA's), (50, 28857), (70, 28935), (73, 28962), (106, 29061), (141, 29220), (182, 29400), (187, 29424), (205, 29514), (207, 29520), (217, 29556), (230, 29595), (234, 29604), (240, 29637), (248, 29676), (260, 29721), (275, 29772), (284, 29823), (285, 29832), (300, 29901), (322, 29976), (340, 30021), (344, 30036), (379, 30171), (393, 30225), (398, 30246), (413, 30279), (425, 30324), (439, 30378), (448, 30405), (466, 30462), (472, 30483), (486, 30525), (494, 30564), (509, 30624), (577, 30864), (587, 30897), (588, 30900), (605, 30933), (608, 30939), (635, 31002),

Gene: Samty_21 Start: 19727, Stop: 22240, Start Num: 11

Candidate Starts for Samty_21:

(Start: 11 @19727 has 16 MA's), (20, 19790), (40, 19862), (64, 19952), (66, 19958), (81, 20030), (138, 20222), (141, 20234), (146, 20252), (153, 20291), (161, 20321), (173, 20378), (179, 20408), (182, 20414), (192, 20468), (194, 20474), (229, 20621), (230, 20624), (234, 20633), (238, 20651), (250, 20711), (253, 20720), (256, 20732), (266, 20783), (268, 20786), (306, 20951), (317, 21008), (343, 21092), (349, 21110), (353, 21119), (366, 21182), (400, 21302), (415, 21347), (421, 21362), (425, 21380), (434, 21410), (455, 21500), (480, 21569), (487, 21602), (491, 21623), (501, 21659), (507, 21695), (521, 21740), (528, 21764), (530, 21770), (534, 21785), (538, 21803), (552, 21836), (566, 21890), (572, 21914), (581, 21950), (583, 21956), (593, 21980), (659, 22145), (661, 22154), (663,

22160),

Gene: SassyCat97_30 Start: 28467, Stop: 30722, Start Num: 28

Candidate Starts for SassyCat97_30:

(Start: 28 @28467 has 302 MA's), (50, 28563), (70, 28641), (73, 28668), (106, 28767), (141, 28926), (182, 29106), (187, 29130), (205, 29220), (207, 29226), (217, 29262), (230, 29301), (234, 29310), (240, 29343), (248, 29382), (260, 29427), (275, 29478), (284, 29529), (285, 29538), (300, 29607), (322, 29682), (340, 29727), (344, 29742), (379, 29877), (393, 29931), (398, 29952), (413, 29985), (425, 30030), (439, 30084), (448, 30111), (466, 30168), (472, 30189), (486, 30231), (494, 30270), (509, 30330), (577, 30570), (587, 30603), (588, 30606), (605, 30639), (608, 30645), (635, 30708),

Gene: Schadenfreude_30 Start: 28315, Stop: 30573, Start Num: 28

Candidate Starts for Schadenfreude_30:

(Start: 28 @28315 has 302 MA's), (50, 28411), (70, 28489), (73, 28516), (106, 28618), (141, 28777), (182, 28957), (187, 28981), (207, 29077), (217, 29113), (230, 29152), (234, 29161), (240, 29194), (248, 29233), (260, 29278), (275, 29329), (284, 29380), (285, 29389), (300, 29458), (322, 29533), (340, 29578), (344, 29593), (379, 29728), (393, 29782), (398, 29803), (413, 29836), (425, 29881), (439, 29935), (466, 30019), (472, 30040), (486, 30082), (494, 30121), (509, 30181), (577, 30421), (587, 30454), (588, 30457), (605, 30490), (608, 30496), (635, 30559),

Gene: Schueller_31 Start: 28482, Stop: 30737, Start Num: 28

Candidate Starts for Schueller_31:

(Start: 28 @28482 has 302 MA's), (50, 28578), (70, 28656), (73, 28683), (106, 28782), (141, 28941), (182, 29121), (187, 29145), (205, 29235), (207, 29241), (217, 29277), (230, 29316), (234, 29325), (240, 29358), (248, 29397), (260, 29442), (275, 29493), (284, 29544), (285, 29553), (300, 29622), (322, 29697), (340, 29742), (344, 29757), (379, 29892), (393, 29946), (398, 29967), (413, 30000), (425, 30045), (439, 30099), (448, 30126), (466, 30183), (472, 30204), (486, 30246), (494, 30285), (509, 30345), (577, 30585), (588, 30621), (605, 30654), (635, 30723),

Gene: Scitech_20 Start: 17553, Stop: 20192, Start Num: 7

Candidate Starts for Scitech_20:

(Start: 5 @17541 has 1 MA's), (Start: 7 @17553 has 9 MA's), (10, 17565), (34, 17676), (Start: 39 @17700 has 1 MA's), (40, 17703), (41, 17712), (75, 17850), (87, 17892), (88, 17895), (114, 17985), (116, 17994), (118, 17997), (123, 18018), (127, 18030), (135, 18063), (147, 18117), (164, 18189), (171, 18219), (178, 18255), (190, 18318), (195, 18333), (200, 18360), (202, 18366), (222, 18441), (229, 18465), (231, 18471), (236, 18483), (242, 18525), (243, 18531), (263, 18618), (289, 18750), (293, 18768), (305, 18801), (310, 18828), (320, 18879), (365, 19089), (384, 19155), (396, 19191), (421, 19290), (423, 19302), (439, 19365), (484, 19527), (489, 19542), (501, 19593), (530, 19710), (542, 19755), (558, 19797), (566, 19833), (579, 19887), (604, 19935), (660, 20079), (676, 20136), (684, 20175), (687, 20184),

Gene: Scoot17C_31 Start: 28760, Stop: 31015, Start Num: 28

Candidate Starts for Scoot17C_31:

(Start: 28 @28760 has 302 MA's), (50, 28856), (70, 28934), (73, 28961), (106, 29060), (141, 29219), (182, 29399), (187, 29423), (205, 29513), (207, 29519), (217, 29555), (230, 29594), (234, 29603), (240, 29636), (248, 29675), (260, 29720), (275, 29771), (284, 29822), (285, 29831), (300, 29900), (322, 29975), (340, 30020), (344, 30035), (379, 30170), (393, 30224), (398, 30245), (413, 30278), (425, 30323), (439, 30377), (466, 30461), (472, 30482), (486, 30524), (494, 30563), (509, 30623), (577, 30863), (587, 30896), (588, 30899), (605, 30932), (608, 30938), (635, 31001),

Gene: Scrick_31 Start: 28485, Stop: 30740, Start Num: 28

Candidate Starts for Scrick_31:

(Start: 28 @28485 has 302 MA's), (50, 28581), (70, 28659), (73, 28686), (106, 28785), (141, 28944), (182, 29124), (187, 29148), (205, 29238), (207, 29244), (217, 29280), (230, 29319), (234, 29328), (240, 29361), (248, 29400), (260, 29445), (275, 29496), (284, 29547), (285, 29556), (300, 29625), (322, 29700), (340, 29745), (344, 29760), (379, 29895), (393, 29949), (398, 29970), (413, 30003), (425, 30048), (439, 30102), (448, 30129), (466, 30186), (472, 30207), (486, 30249), (494, 30288), (509, 30348), (577, 30588), (587, 30621), (588, 30624), (605, 30657), (608, 30663), (635, 30726),

Gene: Selr12_31 Start: 28489, Stop: 30744, Start Num: 28

Candidate Starts for Selr12_31:

(Start: 28 @28489 has 302 MA's), (50, 28585), (70, 28663), (73, 28690), (106, 28789), (141, 28948), (182, 29128), (187, 29152), (205, 29242), (207, 29248), (217, 29284), (230, 29323), (234, 29332), (240, 29365), (248, 29404), (260, 29449), (275, 29500), (284, 29551), (285, 29560), (300, 29629), (322, 29704), (340, 29749), (344, 29764), (379, 29899), (393, 29953), (398, 29974), (413, 30007), (425, 30052), (439, 30106), (448, 30133), (466, 30190), (472, 30211), (486, 30253), (494, 30292), (509, 30352), (577, 30592), (588, 30628), (605, 30661), (635, 30730),

Gene: Serendipitous_29 Start: 28782, Stop: 31049, Start Num: 28

Candidate Starts for Serendipitous_29:

(Start: 28 @28782 has 302 MA's), (60, 28914), (65, 28935), (69, 28953), (76, 28998), (109, 29121), (167, 29349), (188, 29451), (194, 29481), (197, 29505), (230, 29625), (236, 29640), (270, 29793), (284, 29853), (289, 29889), (300, 29931), (322, 30006), (340, 30057), (363, 30156), (370, 30180), (379, 30207), (440, 30417), (466, 30495), (468, 30504), (472, 30516), (494, 30597), (495, 30600), (498, 30612), (511, 30666), (527, 30714), (549, 30780), (577, 30897), (635, 31035),

Gene: Serendipity_31 Start: 28785, Stop: 31040, Start Num: 28

Candidate Starts for Serendipity_31:

(Start: 28 @28785 has 302 MA's), (50, 28881), (70, 28959), (73, 28986), (106, 29085), (141, 29244), (182, 29424), (187, 29448), (205, 29538), (207, 29544), (217, 29580), (230, 29619), (234, 29628), (240, 29661), (248, 29700), (260, 29745), (275, 29796), (284, 29847), (285, 29856), (300, 29925), (322, 30000), (340, 30045), (344, 30060), (379, 30195), (393, 30249), (398, 30270), (413, 30303), (425, 30348), (439, 30402), (448, 30429), (466, 30486), (472, 30507), (486, 30549), (494, 30588), (509, 30648), (577, 30888), (587, 30921), (588, 30924), (605, 30957), (608, 30963), (635, 31026),

Gene: Serpentine_0031 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for Serpentine_0031:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (448, 30410), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (587, 30902), (588, 30905), (605, 30938), (608, 30944), (635, 31007),

Gene: SgtBeansprout_23 Start: 20414, Stop: 22900, Start Num: 16

Candidate Starts for SgtBeansprout_23:

(Start: 16 @20414 has 68 MA's), (Start: 31 @20462 has 1 MA's), (77, 20642), (78, 20645), (119, 20708), (121, 20720), (152, 20852), (163, 20891), (175, 20948), (180, 20972), (183, 20984), (194, 21032), (195, 21035), (203, 21068), (211, 21107), (222, 21140), (226, 21152), (229, 21161), (231, 21167), (245, 21233), (249, 21248), (276, 21359), (281, 21392), (297, 21476), (303, 21491), (318, 21551), (338, 21620), (361, 21740), (385, 21833), (417, 21947), (438, 22025), (439, 22031), (445, 22055), (458, 22118), (459, 22121), (462, 22133), (483, 22199), (484, 22205), (493, 22247), (497, 22268), (501, 22277), (506, 22310), (510, 22328), (530, 22397), (560, 22496), (562, 22502), (566, 22520), (578, 22574), (583, 22589), (595, 22616), (624, 22673),

Gene: Shadow1_25 Start: 19919, Stop: 22255, Start Num: 16

Candidate Starts for Shadow1_25:

(14, 19886), (Start: 16 @19919 has 68 MA's), (18, 19928), (32, 19976), (33, 19979), (72, 20120), (80, 20159), (132, 20255), (134, 20264), (152, 20354), (178, 20465), (201, 20567), (222, 20648), (231, 20678), (236, 20690), (240, 20717), (242, 20732), (249, 20756), (270, 20816), (286, 20888), (302, 20954), (322, 21044), (335, 21086), (341, 21107), (346, 21119), (353, 21137), (373, 21224), (390, 21287), (400, 21320), (423, 21392), (456, 21521), (487, 21614), (490, 21632), (560, 21878), (570, 21911), (606, 22016), (612, 22034), (651, 22121), (660, 22145), (674, 22187), (688, 22247),

Gene: Shaobing_27 Start: 20230, Stop: 22731, Start Num: 16

Candidate Starts for Shaobing_27:

(Start: 16 @20230 has 68 MA's), (Start: 31 @20278 has 1 MA's), (42, 20329), (63, 20401), (75, 20452), (80, 20470), (91, 20503), (119, 20524), (121, 20536), (137, 20590), (152, 20668), (163, 20707), (175, 20764), (183, 20800), (195, 20851), (203, 20881), (208, 20896), (211, 20920), (222, 20953), (229, 20974), (231, 20980), (240, 21019), (276, 21172), (281, 21205), (283, 21217), (295, 21280), (318, 21364), (360, 21547), (374, 21601), (385, 21643), (438, 21835), (439, 21841), (445, 21865), (458, 21928), (459, 21931), (470, 21967), (489, 22030), (501, 22087), (506, 22120), (510, 22138), (521, 22177), (532, 22216), (534, 22222), (552, 22279), (581, 22393), (607, 22447), (612, 22462), (625, 22492), (633, 22504), (653, 22561), (657, 22579), (666, 22609), (668, 22627), (686, 22708),

Gene: ShedlockHolmes_26 Start: 21295, Stop: 23643, Start Num: 16

Candidate Starts for ShedlockHolmes_26:

(Start: 16 @21295 has 68 MA's), (23, 21322), (33, 21355), (43, 21400), (125, 21619), (137, 21664), (145, 21700), (148, 21718), (168, 21796), (178, 21844), (209, 21976), (222, 22030), (227, 22045), (253, 22153), (286, 22270), (294, 22312), (295, 22318), (297, 22327), (302, 22336), (312, 22381), (319, 22417), (322, 22435), (335, 22477), (341, 22498), (349, 22519), (353, 22528), (373, 22615), (399, 22708), (400, 22711), (423, 22783), (476, 22966), (490, 23023), (514, 23122), (520, 23140), (535, 23194), (549, 23224), (552, 23239), (553, 23242), (557, 23251), (560, 23269), (562, 23275), (570, 23302), (574, 23323), (582, 23353), (601, 23398), (606, 23407), (660, 23536), (674, 23575), (675, 23578),

Gene: Sheila_31 Start: 28755, Stop: 31013, Start Num: 28

Candidate Starts for Sheila_31:

(Start: 28 @28755 has 302 MA's), (50, 28851), (70, 28929), (73, 28956), (106, 29058), (141, 29217), (182, 29397), (187, 29421), (207, 29517), (217, 29553), (230, 29592), (234, 29601), (240, 29634), (248, 29673), (260, 29718), (275, 29769), (284, 29820), (285, 29829), (300, 29898), (322, 29973), (340, 30018), (344, 30033), (379, 30168), (393, 30222), (398, 30243), (413, 30276), (425, 30321), (439, 30375), (448, 30402), (466, 30459), (472, 30480), (486, 30522), (494, 30561), (509, 30621), (577, 30861), (587, 30894), (588, 30897), (605, 30930), (608, 30936), (635, 30999),

Gene: Shenyu_30 Start: 28934, Stop: 31201, Start Num: 28

Candidate Starts for Shenyu_30:

(Start: 28 @28934 has 302 MA's), (36, 28982), (Start: 45 @29012 has 1 MA's), (50, 29030), (60, 29066), (65, 29087), (69, 29105), (83, 29168), (109, 29273), (141, 29396), (143, 29402), (167, 29501), (188, 29603), (197, 29657), (230, 29777), (236, 29792), (240, 29819), (284, 30005), (289, 30041), (300, 30083), (322, 30158), (340, 30209), (351, 30245), (363, 30308), (370, 30332), (379, 30359), (418, 30488), (425, 30512), (466, 30647), (468, 30656), (472, 30668), (486, 30710), (494, 30749), (495, 30752), (508, 30806), (511, 30818), (522, 30848), (527, 30866), (549, 30932), (577, 31049), (635, 31187),

Gene: ShiVal_31 Start: 28759, Stop: 31014, Start Num: 28

Candidate Starts for ShiVal_31:

(Start: 28 @28759 has 302 MA's), (50, 28855), (70, 28933), (73, 28960), (106, 29059), (141, 29218), (182, 29398), (187, 29422), (205, 29512), (207, 29518), (217, 29554), (230, 29593), (234, 29602), (240, 29635), (248, 29674), (260, 29719), (275, 29770), (284, 29821), (285, 29830), (300, 29899), (322, 29974), (340, 30019), (344, 30034), (379, 30169), (393, 30223), (398, 30244), (413, 30277), (425, 30322), (439, 30376), (448, 30403), (466, 30460), (472, 30481), (486, 30523), (494, 30562), (509, 30622), (577, 30862), (587, 30895), (588, 30898), (605, 30931), (608, 30937), (635, 31000),

Gene: Shweta_20 Start: 17560, Stop: 20199, Start Num: 7

Candidate Starts for Shweta_20:

(Start: 5 @17548 has 1 MA's), (Start: 7 @17560 has 9 MA's), (10, 17572), (34, 17683), (Start: 39 @17707 has 1 MA's), (40, 17710), (41, 17719), (75, 17857), (87, 17899), (88, 17902), (114, 17992), (116, 18001), (118, 18004), (123, 18025), (127, 18037), (135, 18070), (147, 18124), (164, 18196), (171, 18226), (178, 18262), (190, 18325), (195, 18340), (200, 18367), (202, 18373), (222, 18448), (229, 18472), (231, 18478), (236, 18490), (242, 18532), (243, 18538), (267, 18637), (289, 18757), (293, 18775), (305, 18808), (310, 18835), (320, 18886), (365, 19096), (384, 19162), (396, 19198), (421, 19297), (423, 19309), (439, 19372), (484, 19534), (489, 19549), (501, 19600), (530, 19717), (542, 19762), (558, 19804), (566, 19840), (579, 19894), (604, 19942), (660, 20086), (676, 20143), (684, 20182), (687, 20191),

Gene: Sigman_31 Start: 28751, Stop: 31006, Start Num: 28

Candidate Starts for Sigman_31:

(Start: 28 @28751 has 302 MA's), (50, 28847), (70, 28925), (73, 28952), (106, 29051), (141, 29210), (182, 29390), (187, 29414), (205, 29504), (207, 29510), (217, 29546), (230, 29585), (234, 29594), (240, 29627), (248, 29666), (260, 29711), (275, 29762), (284, 29813), (285, 29822), (300, 29891), (322, 29966), (340, 30011), (344, 30026), (379, 30161), (393, 30215), (398, 30236), (413, 30269), (425, 30314), (439, 30368), (466, 30452), (472, 30473), (486, 30515), (494, 30554), (509, 30614), (577, 30854), (587, 30887), (588, 30890), (605, 30923), (608, 30929), (635, 30992),

Gene: SilverBell_31 Start: 28781, Stop: 31036, Start Num: 28

Candidate Starts for SilverBell_31:

(Start: 28 @28781 has 302 MA's), (50, 28877), (70, 28955), (73, 28982), (106, 29081), (141, 29240), (182, 29420), (187, 29444), (205, 29534), (207, 29540), (217, 29576), (230, 29615), (234, 29624), (240, 29657), (248, 29696), (260, 29741), (275, 29792), (284, 29843), (285, 29852), (300, 29921), (322, 29996), (340, 30041), (344, 30056), (379, 30191), (393, 30245), (398, 30266), (413, 30299), (425, 30344), (439, 30398), (448, 30425), (466, 30482), (472, 30503), (486, 30545), (494, 30584), (509, 30644), (577, 30884), (588, 30920), (605, 30953), (635, 31022),

Gene: Simielle_30 Start: 28454, Stop: 30709, Start Num: 28

Candidate Starts for Simielle_30:

(Start: 28 @28454 has 302 MA's), (50, 28550), (70, 28628), (73, 28655), (106, 28754), (141, 28913), (182, 29093), (187, 29117), (205, 29207), (207, 29213), (217, 29249), (230, 29288), (234, 29297), (240, 29330), (248, 29369), (260, 29414), (275, 29465), (284, 29516), (285, 29525), (300, 29594), (322, 29669), (340, 29714), (344, 29729), (379, 29864), (393, 29918), (398, 29939), (413, 29972), (425, 30017), (439, 30071), (448, 30098), (466, 30155), (472, 30176), (486, 30218), (494, 30257), (509, 30317), (577, 30557), (587, 30590), (588, 30593), (605, 30626), (608, 30632), (635, 30695),

Gene: SirJeffery_30 Start: 28980, Stop: 31256, Start Num: 28

Candidate Starts for SirJeffery_30:

(Start: 28 @28980 has 302 MA's), (29, 28986), (36, 29028), (42, 29049), (Start: 45 @29058 has 1 MA's), (60, 29112), (65, 29133), (69, 29151), (70, 29154), (76, 29196), (79, 29202), (83, 29214), (106, 29283), (109, 29319), (141, 29442), (167, 29547), (197, 29703), (202, 29730), (213, 29781), (230, 29832), (236, 29847), (284, 30060), (289, 30096), (300, 30138), (322, 30213), (363, 30363), (370, 30387), (379, 30414), (398, 30489), (418, 30543), (466, 30702), (468, 30711), (472, 30723), (494,

30804), (495, 30807), (511, 30873), (527, 30921), (549, 30987), (577, 31104),

Gene: SkinnyPete_20 Start: 17557, Stop: 20202, Start Num: 7

Candidate Starts for SkinnyPete_20:

(Start: 5 @17545 has 1 MA's), (Start: 7 @17557 has 9 MA's), (10, 17569), (34, 17680), (Start: 39 @17704 has 1 MA's), (40, 17707), (41, 17716), (56, 17764), (114, 17989), (118, 18001), (123, 18022), (135, 18067), (147, 18121), (164, 18199), (171, 18229), (178, 18265), (183, 18286), (186, 18301), (195, 18343), (202, 18376), (222, 18451), (229, 18475), (231, 18481), (236, 18493), (242, 18535), (243, 18541), (267, 18640), (289, 18760), (293, 18778), (305, 18811), (310, 18838), (320, 18889), (365, 19099), (384, 19165), (396, 19201), (423, 19312), (439, 19375), (484, 19537), (489, 19552), (501, 19603), (530, 19720), (542, 19765), (558, 19807), (566, 19843), (579, 19897), (604, 19945), (660, 20089), (676, 20146), (684, 20185), (687, 20194),

Gene: Skippy_31 Start: 28749, Stop: 31004, Start Num: 28

Candidate Starts for Skippy_31:

(Start: 28 @28749 has 302 MA's), (50, 28845), (70, 28923), (73, 28950), (106, 29049), (141, 29208), (182, 29388), (187, 29412), (205, 29502), (207, 29508), (217, 29544), (230, 29583), (234, 29592), (240, 29625), (248, 29664), (260, 29709), (275, 29760), (284, 29811), (285, 29820), (300, 29889), (322, 29964), (340, 30009), (344, 30024), (379, 30159), (393, 30213), (398, 30234), (413, 30267), (425, 30312), (439, 30366), (448, 30393), (466, 30450), (472, 30471), (486, 30513), (494, 30552), (509, 30612), (577, 30852), (587, 30885), (588, 30888), (605, 30921), (608, 30927), (635, 30990),

Gene: Slarp_28 Start: 22283, Stop: 24592, Start Num: 16

Candidate Starts for Slarp_28:

(Start: 16 @22283 has 68 MA's), (43, 22394), (50, 22418), (82, 22535), (140, 22664), (149, 22715), (150, 22724), (160, 22757), (169, 22796), (171, 22805), (185, 22862), (187, 22871), (222, 22922), (226, 22934), (231, 22949), (234, 22955), (240, 22988), (251, 23036), (270, 23090), (286, 23162), (293, 23201), (296, 23213), (302, 23228), (313, 23273), (327, 23342), (354, 23423), (390, 23576), (420, 23675), (422, 23687), (445, 23792), (459, 23858), (464, 23873), (491, 23969), (530, 24122), (534, 24137), (535, 24143), (541, 24167), (554, 24206), (558, 24218), (580, 24314), (606, 24368), (613, 24389), (655, 24476), (661, 24506), (687, 24584),

Gene: Slatt_31 Start: 28774, Stop: 31029, Start Num: 28

Candidate Starts for Slatt_31:

(Start: 28 @28774 has 302 MA's), (50, 28870), (70, 28948), (73, 28975), (106, 29074), (141, 29233), (182, 29413), (187, 29437), (205, 29527), (207, 29533), (217, 29569), (230, 29608), (234, 29617), (240, 29650), (248, 29689), (260, 29734), (275, 29785), (284, 29836), (285, 29845), (300, 29914), (322, 29989), (340, 30034), (344, 30049), (379, 30184), (393, 30238), (398, 30259), (413, 30292), (425, 30337), (439, 30391), (448, 30418), (466, 30475), (472, 30496), (486, 30538), (494, 30577), (509, 30637), (577, 30877), (587, 30910), (588, 30913), (605, 30946), (608, 30952), (635, 31015),

Gene: SlippinJimmy_31 Start: 29378, Stop: 31603, Start Num: 27

Candidate Starts for SlippinJimmy_31:

(Start: 27 @29378 has 45 MA's), (Start: 31 @29393 has 1 MA's), (40, 29438), (55, 29495), (74, 29573), (96, 29642), (106, 29654), (112, 29696), (121, 29732), (130, 29759), (133, 29771), (139, 29798), (159, 29888), (175, 29960), (194, 30044), (220, 30152), (226, 30173), (248, 30266), (253, 30281), (283, 30410), (300, 30491), (322, 30566), (337, 30608), (340, 30614), (351, 30650), (363, 30713), (379, 30764), (383, 30776), (393, 30818), (398, 30839), (418, 30893), (425, 30917), (435, 30953), (466, 31049), (468, 31058), (486, 31112), (511, 31220), (521, 31247), (533, 31289), (557, 31361), (577, 31451), (588, 31487),

Gene: Snenia_21 Start: 19725, Stop: 22238, Start Num: 11

Candidate Starts for Snenia_21:

(Start: 11 @19725 has 16 MA's), (20, 19788), (40, 19860), (64, 19950), (66, 19956), (81, 20028), (105, 20115), (138, 20220), (141, 20232), (146, 20250), (153, 20289), (161, 20319), (173, 20376), (179, 20406), (182, 20412), (192, 20466), (194, 20472), (229, 20619), (230, 20622), (234, 20631), (238, 20649), (250, 20709), (253, 20718), (256, 20730), (266, 20781), (268, 20784), (306, 20949), (317, 21006), (343, 21090), (349, 21108), (353, 21117), (366, 21180), (400, 21300), (410, 21324), (415, 21345), (421, 21360), (425, 21378), (434, 21408), (455, 21498), (480, 21567), (487, 21600), (491, 21621), (501, 21657), (507, 21693), (521, 21738), (528, 21762), (530, 21768), (534, 21783), (538, 21801), (566, 21888), (572, 21912), (581, 21948), (583, 21954), (593, 21978), (628, 22053), (631, 22056), (659, 22143), (661, 22152), (663, 22158),

Gene: Soile_31 Start: 28481, Stop: 30736, Start Num: 28

Candidate Starts for Soile_31:

(Start: 28 @28481 has 302 MA's), (50, 28577), (70, 28655), (73, 28682), (106, 28781), (141, 28940), (182, 29120), (187, 29144), (205, 29234), (207, 29240), (217, 29276), (230, 29315), (234, 29324), (240, 29357), (248, 29396), (260, 29441), (275, 29492), (284, 29543), (285, 29552), (300, 29621), (322, 29696), (340, 29741), (344, 29756), (379, 29891), (393, 29945), (398, 29966), (413, 29999), (425, 30044), (439, 30098), (448, 30125), (466, 30182), (472, 30203), (486, 30245), (494, 30284), (509, 30344), (577, 30584), (587, 30617), (588, 30620), (605, 30653), (608, 30659), (635, 30722),

Gene: Solosis_30 Start: 28476, Stop: 30731, Start Num: 28

Candidate Starts for Solosis_30:

(Start: 28 @28476 has 302 MA's), (50, 28572), (70, 28650), (73, 28677), (106, 28776), (141, 28935), (182, 29115), (187, 29139), (205, 29229), (207, 29235), (217, 29271), (230, 29310), (234, 29319), (240, 29352), (248, 29391), (260, 29436), (275, 29487), (284, 29538), (285, 29547), (300, 29616), (322, 29691), (340, 29736), (344, 29751), (379, 29886), (393, 29940), (398, 29961), (413, 29994), (425, 30039), (439, 30093), (448, 30120), (466, 30177), (472, 30198), (486, 30240), (494, 30279), (509, 30339), (559, 30504), (577, 30579), (588, 30615), (605, 30648), (635, 30717),

Gene: Sophia_30 Start: 28476, Stop: 30731, Start Num: 28

Candidate Starts for Sophia_30:

(Start: 28 @28476 has 302 MA's), (50, 28572), (70, 28650), (73, 28677), (106, 28776), (141, 28935), (182, 29115), (187, 29139), (205, 29229), (207, 29235), (217, 29271), (230, 29310), (234, 29319), (240, 29352), (248, 29391), (260, 29436), (275, 29487), (284, 29538), (285, 29547), (300, 29616), (322, 29691), (340, 29736), (344, 29751), (379, 29886), (393, 29940), (398, 29961), (413, 29994), (425, 30039), (439, 30093), (448, 30120), (466, 30177), (472, 30198), (486, 30240), (494, 30279), (509, 30339), (577, 30579), (588, 30615), (605, 30648), (635, 30717),

Gene: Soto_31 Start: 28769, Stop: 31024, Start Num: 28

Candidate Starts for Soto_31:

(Start: 28 @28769 has 302 MA's), (50, 28865), (70, 28943), (73, 28970), (106, 29069), (141, 29228), (182, 29408), (187, 29432), (207, 29528), (217, 29564), (230, 29603), (234, 29612), (240, 29645), (248, 29684), (260, 29729), (275, 29780), (284, 29831), (285, 29840), (300, 29909), (322, 29984), (340, 30029), (344, 30044), (379, 30179), (393, 30233), (398, 30254), (413, 30287), (425, 30332), (439, 30386), (448, 30413), (466, 30470), (472, 30491), (486, 30533), (494, 30572), (509, 30632), (577, 30872), (588, 30908), (605, 30941), (635, 31010),

Gene: Spartan300_31 Start: 28755, Stop: 31010, Start Num: 28

Candidate Starts for Spartan300_31:

(Start: 28 @28755 has 302 MA's), (50, 28851), (70, 28929), (73, 28956), (106, 29055), (141, 29214), (182, 29394), (187, 29418), (205, 29508), (207, 29514), (217, 29550), (230, 29589), (234, 29598), (240, 29631), (248, 29670), (260, 29715), (275, 29766), (284, 29817), (285, 29826), (300, 29895), (322, 29970), (340, 30015), (344, 30030), (379, 30165), (393, 30219), (398, 30240), (413, 30273), (425, 30318), (439, 30372), (466, 30456), (472, 30477), (486, 30519), (494, 30558), (509, 30618),

(577, 30858), (587, 30891), (588, 30894), (605, 30927), (635, 30996),

Gene: Squid_31 Start: 28467, Stop: 30722, Start Num: 28

Candidate Starts for Squid_31:

(Start: 28 @28467 has 302 MA's), (50, 28563), (70, 28641), (73, 28668), (106, 28767), (141, 28926), (182, 29106), (187, 29130), (205, 29220), (207, 29226), (217, 29262), (230, 29301), (234, 29310), (240, 29343), (248, 29382), (260, 29427), (275, 29478), (284, 29529), (285, 29538), (300, 29607), (322, 29682), (340, 29727), (344, 29742), (379, 29877), (393, 29931), (398, 29952), (413, 29985), (425, 30030), (439, 30084), (448, 30111), (466, 30168), (472, 30189), (486, 30231), (494, 30270), (509, 30330), (577, 30570), (587, 30603), (588, 30606), (605, 30639), (608, 30645), (635, 30708),

Gene: Squiggle_31 Start: 28479, Stop: 30734, Start Num: 28

Candidate Starts for Squiggle_31:

(Start: 28 @28479 has 302 MA's), (50, 28575), (70, 28653), (73, 28680), (106, 28779), (141, 28938), (182, 29118), (187, 29142), (205, 29232), (207, 29238), (217, 29274), (230, 29313), (234, 29322), (240, 29355), (248, 29394), (260, 29439), (275, 29490), (284, 29541), (285, 29550), (300, 29619), (322, 29694), (340, 29739), (344, 29754), (379, 29889), (393, 29943), (398, 29964), (413, 29997), (425, 30042), (439, 30096), (448, 30123), (466, 30180), (472, 30201), (486, 30243), (494, 30282), (509, 30342), (577, 30582), (588, 30618), (605, 30651), (635, 30720),

Gene: Squirty_19 Start: 17305, Stop: 19920, Start Num: 5

Candidate Starts for Squirty_19:

(Start: 5 @17305 has 1 MA's), (10, 17326), (13, 17347), (Start: 19 @17386 has 2 MA's), (36, 17455), (Start: 39 @17464 has 1 MA's), (40, 17467), (44, 17485), (56, 17518), (59, 17533), (92, 17635), (110, 17692), (116, 17716), (133, 17773), (148, 17848), (165, 17920), (178, 17983), (182, 17998), (187, 18022), (190, 18046), (195, 18061), (196, 18070), (202, 18097), (204, 18103), (216, 18148), (222, 18172), (229, 18193), (231, 18199), (235, 18208), (239, 18235), (255, 18301), (257, 18313), (263, 18346), (267, 18358), (289, 18478), (293, 18496), (305, 18529), (320, 18607), (348, 18712), (358, 18754), (409, 18973), (419, 19012), (420, 19015), (423, 19030), (439, 19093), (453, 19141), (484, 19255), (491, 19285), (497, 19312), (501, 19321), (530, 19438), (542, 19483), (558, 19525), (574, 19591), (579, 19615), (604, 19663), (605, 19669), (607, 19675), (612, 19690), (651, 19774), (661, 19813), (684, 19903), (687, 19912),

Gene: Stinger_26 Start: 27542, Stop: 29839, Start Num: 28

Candidate Starts for Stinger_26:

(Start: 28 @27542 has 302 MA's), (50, 27641), (55, 27659), (106, 27845), (111, 27890), (120, 27926), (138, 27992), (141, 28004), (167, 28109), (174, 28148), (175, 28154), (187, 28208), (192, 28235), (201, 28289), (202, 28292), (217, 28355), (231, 28397), (236, 28409), (240, 28436), (269, 28556), (283, 28619), (289, 28658), (318, 28772), (322, 28787), (328, 28808), (340, 28838), (343, 28850), (351, 28874), (356, 28886), (363, 28937), (364, 28940), (369, 28958), (376, 28982), (379, 28988), (393, 29042), (398, 29063), (413, 29096), (418, 29117), (425, 29141), (466, 29276), (467, 29282), (468, 29285), (472, 29297), (495, 29381), (527, 29495), (533, 29516), (540, 29540), (558, 29603), (567, 29639), (577, 29687), (587, 29720), (588, 29723), (635, 29825), (636, 29828),

Gene: StinkyVeggy_32 Start: 29124, Stop: 31391, Start Num: 28

Candidate Starts for StinkyVeggy_32:

(Start: 28 @29124 has 302 MA's), (36, 29172), (Start: 45 @29202 has 1 MA's), (50, 29220), (60, 29256), (65, 29277), (69, 29295), (83, 29358), (109, 29463), (141, 29586), (143, 29592), (167, 29691), (188, 29793), (197, 29847), (230, 29967), (236, 29982), (240, 30009), (284, 30195), (289, 30231), (300, 30273), (322, 30348), (340, 30399), (351, 30435), (363, 30498), (370, 30522), (379, 30549), (418, 30678), (425, 30702), (466, 30837), (468, 30846), (472, 30858), (486, 30900), (494, 30939), (495, 30942), (508, 30996), (511, 31008), (522, 31038), (527, 31056), (549, 31122), (577, 31239), (635, 31377),

Gene: StressBall_21 Start: 18926, Stop: 21559, Start Num: 6

Candidate Starts for StressBall_21:

(Start: 6 @18926 has 7 MA's), (8, 18935), (40, 19079), (114, 19352), (118, 19364), (123, 19385), (131, 19409), (147, 19484), (164, 19556), (171, 19586), (178, 19622), (190, 19685), (195, 19700), (200, 19727), (202, 19733), (222, 19808), (229, 19832), (231, 19838), (236, 19850), (242, 19892), (243, 19898), (263, 19985), (271, 20006), (276, 20030), (287, 20096), (289, 20117), (293, 20135), (305, 20168), (309, 20192), (310, 20195), (320, 20246), (348, 20351), (358, 20393), (396, 20558), (420, 20654), (439, 20732), (444, 20744), (466, 20834), (484, 20894), (487, 20903), (497, 20951), (501, 20960), (530, 21077), (542, 21122), (558, 21164), (574, 21230), (579, 21254), (604, 21302), (605, 21308), (607, 21314), (651, 21413), (655, 21422), (661, 21452), (684, 21542), (687, 21551),

Gene: Strobilo_23 Start: 18661, Stop: 21000, Start Num: 16

Candidate Starts for Strobilo_23:

(Start: 16 @18661 has 68 MA's), (63, 18832), (67, 18850), (77, 18901), (134, 19018), (142, 19051), (172, 19180), (175, 19189), (178, 19204), (181, 19216), (183, 19225), (194, 19273), (217, 19369), (222, 19387), (229, 19408), (240, 19453), (270, 19555), (286, 19627), (294, 19669), (297, 19684), (318, 19771), (322, 19792), (335, 19834), (341, 19855), (373, 19972), (377, 19981), (387, 20017), (400, 20068), (402, 20071), (421, 20125), (423, 20137), (430, 20161), (455, 20257), (459, 20275), (469, 20302), (487, 20359), (535, 20548), (549, 20578), (562, 20629), (566, 20647), (574, 20677), (590, 20731), (606, 20761), (613, 20782), (670, 20914),

Gene: Struggle_30 Start: 28317, Stop: 30572, Start Num: 28

Candidate Starts for Struggle_30:

(Start: 28 @28317 has 302 MA's), (50, 28413), (70, 28491), (73, 28518), (106, 28617), (141, 28776), (182, 28956), (187, 28980), (207, 29076), (217, 29112), (230, 29151), (234, 29160), (240, 29193), (248, 29232), (260, 29277), (275, 29328), (284, 29379), (285, 29388), (300, 29457), (322, 29532), (340, 29577), (344, 29592), (379, 29727), (393, 29781), (398, 29802), (413, 29835), (425, 29880), (439, 29934), (448, 29961), (466, 30018), (472, 30039), (486, 30081), (494, 30120), (509, 30180), (577, 30420), (588, 30456), (605, 30489), (635, 30558),

Gene: Suffolk_31 Start: 28763, Stop: 31021, Start Num: 28

Candidate Starts for Suffolk_31:

(Start: 28 @28763 has 302 MA's), (50, 28859), (70, 28937), (73, 28964), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (587, 30902), (588, 30905), (605, 30938), (608, 30944), (635, 31007),

Gene: Suigeneris_30 Start: 28983, Stop: 31259, Start Num: 28

Candidate Starts for Suigeneris_30:

(Start: 28 @28983 has 302 MA's), (29, 28989), (36, 29031), (42, 29052), (Start: 45 @29061 has 1 MA's), (60, 29115), (65, 29136), (69, 29154), (70, 29157), (76, 29199), (79, 29205), (83, 29217), (106, 29286), (109, 29322), (141, 29445), (167, 29550), (197, 29706), (202, 29733), (213, 29784), (230, 29835), (236, 29850), (284, 30063), (289, 30099), (300, 30141), (322, 30216), (363, 30366), (370, 30390), (379, 30417), (398, 30492), (418, 30546), (466, 30705), (468, 30714), (472, 30726), (494, 30807), (495, 30810), (511, 30876), (527, 30924), (549, 30990), (577, 31107),

Gene: Sunflower1121_25 Start: 19931, Stop: 22267, Start Num: 16

Candidate Starts for Sunflower1121_25:

(14, 19898), (Start: 16 @19931 has 68 MA's), (18, 19940), (32, 19988), (33, 19991), (72, 20132), (80, 20171), (132, 20267), (152, 20366), (178, 20477), (201, 20579), (222, 20660), (231, 20690), (236,

20702), (240, 20729), (242, 20744), (249, 20768), (270, 20828), (286, 20900), (302, 20966), (322, 21056), (335, 21098), (341, 21119), (353, 21149), (373, 21236), (390, 21299), (400, 21332), (423, 21404), (456, 21533), (487, 21626), (490, 21644), (560, 21890), (570, 21923), (606, 22028), (612, 22046), (651, 22133), (660, 22157), (674, 22199), (688, 22259),

Gene: Surely_31 Start: 28769, Stop: 31024, Start Num: 28

Candidate Starts for Surely_31:

(Start: 28 @28769 has 302 MA's), (50, 28865), (70, 28943), (73, 28970), (106, 29069), (141, 29228), (182, 29408), (187, 29432), (205, 29522), (207, 29528), (217, 29564), (230, 29603), (234, 29612), (240, 29645), (248, 29684), (260, 29729), (275, 29780), (284, 29831), (285, 29840), (300, 29909), (322, 29984), (340, 30029), (344, 30044), (379, 30179), (393, 30233), (398, 30254), (413, 30287), (425, 30332), (439, 30386), (448, 30413), (466, 30470), (472, 30491), (486, 30533), (494, 30572), (509, 30632), (577, 30872), (587, 30905), (588, 30908), (605, 30941), (608, 30947), (635, 31010),

Gene: SwainyDoc_31 Start: 28611, Stop: 30836, Start Num: 27

Candidate Starts for SwainyDoc_31:

(Start: 27 @28611 has 45 MA's), (Start: 31 @28626 has 1 MA's), (40, 28671), (55, 28728), (74, 28806), (96, 28875), (106, 28887), (112, 28929), (121, 28965), (130, 28992), (133, 29004), (139, 29031), (159, 29121), (175, 29193), (194, 29277), (220, 29385), (226, 29406), (248, 29499), (253, 29514), (283, 29643), (300, 29724), (322, 29799), (337, 29841), (340, 29847), (363, 29946), (379, 29997), (383, 30009), (393, 30051), (398, 30072), (418, 30126), (425, 30150), (435, 30186), (466, 30282), (468, 30291), (486, 30345), (511, 30453), (521, 30480), (533, 30522), (557, 30594), (577, 30684), (588, 30720),

Gene: Swiphy_32 Start: 28764, Stop: 31019, Start Num: 28

Candidate Starts for Swiphy_32:

(Start: 28 @28764 has 302 MA's), (50, 28860), (70, 28938), (73, 28965), (106, 29064), (141, 29223), (182, 29403), (187, 29427), (205, 29517), (207, 29523), (217, 29559), (230, 29598), (234, 29607), (240, 29640), (248, 29679), (260, 29724), (275, 29775), (284, 29826), (285, 29835), (300, 29904), (322, 29979), (340, 30024), (344, 30039), (379, 30174), (393, 30228), (398, 30249), (413, 30282), (425, 30327), (439, 30381), (448, 30408), (466, 30465), (472, 30486), (486, 30528), (494, 30567), (509, 30627), (577, 30867), (587, 30900), (588, 30903), (605, 30936), (608, 30942), (635, 31005),

Gene: Swish_31 Start: 28752, Stop: 31007, Start Num: 28

Candidate Starts for Swish_31:

(Start: 28 @28752 has 302 MA's), (50, 28848), (70, 28926), (73, 28953), (106, 29052), (141, 29211), (182, 29391), (187, 29415), (205, 29505), (207, 29511), (217, 29547), (230, 29586), (234, 29595), (240, 29628), (248, 29667), (260, 29712), (275, 29763), (284, 29814), (285, 29823), (300, 29892), (322, 29967), (340, 30012), (344, 30027), (379, 30162), (393, 30216), (398, 30237), (413, 30270), (425, 30315), (439, 30369), (466, 30453), (472, 30474), (486, 30516), (494, 30555), (509, 30615), (577, 30855), (587, 30888), (588, 30891), (605, 30924), (608, 30930), (635, 30993),

Gene: SynergyX_31 Start: 28614, Stop: 30842, Start Num: 27

Candidate Starts for SynergyX_31:

(Start: 27 @28614 has 45 MA's), (Start: 31 @28629 has 1 MA's), (40, 28674), (55, 28731), (74, 28809), (96, 28878), (106, 28890), (112, 28932), (121, 28968), (130, 28995), (133, 29007), (139, 29034), (159, 29124), (175, 29196), (194, 29280), (220, 29388), (226, 29409), (248, 29502), (253, 29517), (283, 29646), (300, 29727), (322, 29802), (337, 29844), (340, 29850), (351, 29886), (379, 30000), (383, 30012), (393, 30054), (398, 30075), (418, 30129), (425, 30153), (435, 30189), (466, 30288), (468, 30297), (486, 30351), (511, 30459), (521, 30486), (533, 30528), (557, 30600), (577, 30690), (588, 30726),

Gene: Syra333_26 Start: 20027, Stop: 22357, Start Num: 16

Candidate Starts for Syra333_26:

(Start: 16 @20027 has 68 MA's), (33, 20087), (67, 20216), (72, 20228), (80, 20267), (132, 20363), (134, 20372), (152, 20462), (163, 20501), (172, 20549), (178, 20573), (180, 20582), (201, 20675), (206, 20690), (222, 20756), (231, 20786), (236, 20798), (240, 20825), (242, 20840), (249, 20864), (270, 20924), (281, 20969), (286, 20996), (293, 21035), (297, 21053), (302, 21062), (318, 21131), (319, 21134), (322, 21152), (335, 21194), (341, 21215), (349, 21236), (353, 21245), (360, 21281), (373, 21332), (400, 21428), (423, 21497), (439, 21557), (456, 21626), (459, 21635), (476, 21680), (487, 21719), (490, 21737), (497, 21767), (535, 21908), (552, 21953), (560, 21983), (566, 22007), (570, 22016), (574, 22037), (582, 22067), (660, 22250), (672, 22277), (674, 22289), (688, 22349),

Gene: TBond007_26 Start: 21085, Stop: 23436, Start Num: 16

Candidate Starts for TBond007_26:

(Start: 16 @21085 has 68 MA's), (23, 21112), (33, 21145), (61, 21250), (125, 21409), (137, 21454), (145, 21490), (148, 21508), (168, 21586), (178, 21634), (209, 21766), (222, 21820), (227, 21835), (253, 21943), (286, 22060), (294, 22102), (295, 22108), (297, 22117), (302, 22126), (319, 22207), (322, 22225), (335, 22267), (341, 22288), (349, 22309), (353, 22318), (373, 22405), (399, 22498), (400, 22501), (423, 22573), (458, 22708), (459, 22711), (476, 22756), (487, 22795), (490, 22813), (514, 22912), (520, 22930), (535, 22984), (549, 23014), (553, 23032), (560, 23059), (562, 23065), (574, 23113), (601, 23188), (606, 23197), (613, 23218), (617, 23227), (660, 23326), (674, 23368),

Gene: TClif_26 Start: 20078, Stop: 22420, Start Num: 16

Candidate Starts for TClif_26:

(Start: 16 @20078 has 68 MA's), (Start: 31 @20126 has 1 MA's), (42, 20177), (63, 20249), (68, 20270), (132, 20417), (134, 20426), (144, 20471), (178, 20627), (180, 20636), (201, 20729), (206, 20744), (217, 20792), (222, 20810), (226, 20825), (231, 20840), (240, 20879), (242, 20894), (249, 20918), (270, 20978), (283, 21035), (286, 21050), (297, 21107), (318, 21188), (322, 21209), (335, 21251), (341, 21272), (349, 21293), (368, 21377), (373, 21389), (390, 21452), (400, 21485), (410, 21509), (416, 21533), (423, 21557), (439, 21617), (453, 21665), (476, 21740), (487, 21779), (490, 21797), (520, 21914), (535, 21968), (560, 22043), (574, 22097), (601, 22172), (613, 22202), (635, 22247), (688, 22412),

Gene: TM4_23 Start: 18727, Stop: 21081, Start Num: 16

Candidate Starts for TM4_23:

(Start: 16 @18727 has 68 MA's), (52, 18859), (134, 19084), (144, 19129), (178, 19270), (183, 19291), (194, 19339), (229, 19474), (236, 19492), (240, 19519), (242, 19534), (270, 19621), (286, 19693), (294, 19735), (295, 19741), (300, 19756), (302, 19759), (312, 19795), (341, 19912), (349, 19933), (397, 20104), (400, 20125), (427, 20221), (434, 20242), (442, 20275), (459, 20350), (461, 20356), (476, 20395), (481, 20407), (487, 20434), (490, 20452), (518, 20566), (528, 20596), (530, 20602), (547, 20647), (552, 20668), (565, 20719), (581, 20782), (609, 20848), (618, 20869), (632, 20890), (646, 20926), (688, 21073),

Gene: TallGrassMM_31 Start: 28391, Stop: 30646, Start Num: 28

Candidate Starts for TallGrassMM_31:

(Start: 28 @28391 has 302 MA's), (50, 28487), (70, 28565), (73, 28592), (106, 28691), (141, 28850), (182, 29030), (187, 29054), (205, 29144), (207, 29150), (217, 29186), (230, 29225), (234, 29234), (240, 29267), (248, 29306), (260, 29351), (275, 29402), (284, 29453), (285, 29462), (300, 29531), (322, 29606), (340, 29651), (344, 29666), (379, 29801), (393, 29855), (398, 29876), (413, 29909), (425, 29954), (439, 30008), (448, 30035), (466, 30092), (472, 30113), (486, 30155), (494, 30194), (509, 30254), (577, 30494), (588, 30530), (605, 30563), (635, 30632),

Gene: Telesworld_30 Start: 28463, Stop: 30718, Start Num: 28

Candidate Starts for Telesworld_30:

(Start: 28 @28463 has 302 MA's), (50, 28559), (70, 28637), (73, 28664), (106, 28763), (141, 28922), (182, 29102), (187, 29126), (205, 29216), (207, 29222), (217, 29258), (230, 29297), (234, 29306), (240, 29339), (248, 29378), (260, 29423), (275, 29474), (284, 29525), (285, 29534), (300, 29603), (322, 29678), (340, 29723), (344, 29738), (379, 29873), (393, 29927), (398, 29948), (413, 29981), (425, 30026), (439, 30080), (448, 30107), (466, 30164), (472, 30185), (486, 30227), (494, 30266), (509, 30326), (577, 30566), (587, 30599), (588, 30602), (605, 30635), (608, 30641), (635, 30704),

Gene: Thonko_29 Start: 27164, Stop: 29614, Start Num: 28

Candidate Starts for Thonko_29:

(Start: 28 @27164 has 302 MA's), (42, 27230), (50, 27257), (57, 27278), (115, 27530), (139, 27626), (141, 27635), (158, 27713), (162, 27728), (175, 27785), (181, 27812), (190, 27857), (192, 27863), (198, 27896), (215, 27956), (223, 27977), (230, 28001), (243, 28064), (263, 28151), (275, 28178), (295, 28292), (336, 28439), (342, 28457), (388, 28640), (395, 28652), (416, 28721), (421, 28733), (431, 28778), (477, 28937), (479, 28940), (486, 28970), (522, 29117), (528, 29138), (539, 29183), (549, 29210), (589, 29369), (599, 29387), (630, 29444), (645, 29483), (656, 29525), (658, 29537), (662, 29558), (669, 29588), (671, 29594),

Gene: Thora_31 Start: 28768, Stop: 31023, Start Num: 28

Candidate Starts for Thora_31:

(Start: 28 @28768 has 302 MA's), (50, 28864), (70, 28942), (73, 28969), (106, 29068), (141, 29227), (182, 29407), (187, 29431), (205, 29521), (207, 29527), (217, 29563), (230, 29602), (234, 29611), (240, 29644), (248, 29683), (260, 29728), (275, 29779), (284, 29830), (285, 29839), (300, 29908), (322, 29983), (340, 30028), (344, 30043), (379, 30178), (393, 30232), (398, 30253), (413, 30286), (425, 30331), (439, 30385), (466, 30469), (472, 30490), (486, 30532), (494, 30571), (509, 30631), (577, 30871), (587, 30904), (588, 30907), (605, 30940), (608, 30946), (635, 31009),

Gene: ThreeOh3D2_31 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for ThreeOh3D2_31:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (448, 30410), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (587, 30902), (588, 30905), (605, 30938), (608, 30944), (635, 31007),

Gene: Thunderbird_30 Start: 28472, Stop: 30727, Start Num: 28

Candidate Starts for Thunderbird_30:

(Start: 28 @28472 has 302 MA's), (50, 28568), (70, 28646), (73, 28673), (106, 28772), (141, 28931), (182, 29111), (187, 29135), (205, 29225), (207, 29231), (217, 29267), (230, 29306), (234, 29315), (240, 29348), (248, 29387), (260, 29432), (275, 29483), (284, 29534), (285, 29543), (300, 29612), (322, 29687), (340, 29732), (344, 29747), (379, 29882), (393, 29936), (398, 29957), (413, 29990), (425, 30035), (439, 30089), (448, 30116), (466, 30173), (472, 30194), (486, 30236), (494, 30275), (509, 30335), (577, 30575), (588, 30611), (605, 30644), (635, 30713),

Gene: Tierra_26 Start: 20767, Stop: 23103, Start Num: 16

Candidate Starts for Tierra_26:

(Start: 16 @20767 has 68 MA's), (Start: 31 @20815 has 1 MA's), (32, 20824), (63, 20938), (67, 20956), (80, 21007), (132, 21103), (134, 21112), (152, 21202), (156, 21214), (178, 21313), (180, 21322), (201, 21415), (222, 21496), (231, 21526), (236, 21538), (240, 21565), (242, 21580), (249, 21604), (270, 21664), (281, 21709), (286, 21736), (293, 21775), (297, 21793), (302, 21802), (318, 21871), (319, 21874), (322, 21892), (335, 21934), (341, 21955), (353, 21985), (390, 22135), (400, 22168), (405, 22177), (423, 22240), (436, 22288), (439, 22300), (456, 22369), (466, 22393), (476, 22423), (487, 22462), (535, 22651), (560, 22726), (574, 22780), (606, 22864), (612, 22882), (651, 22969), (660,

22993), (674, 23035), (688, 23095),

Gene: Timmi_30 Start: 28477, Stop: 30732, Start Num: 28

Candidate Starts for Timmi_30:

(Start: 28 @28477 has 302 MA's), (50, 28573), (70, 28651), (73, 28678), (106, 28777), (141, 28936), (182, 29116), (187, 29140), (207, 29236), (217, 29272), (230, 29311), (234, 29320), (240, 29353), (248, 29392), (260, 29437), (275, 29488), (284, 29539), (285, 29548), (300, 29617), (322, 29692), (340, 29737), (344, 29752), (379, 29887), (393, 29941), (398, 29962), (413, 29995), (425, 30040), (439, 30094), (448, 30121), (466, 30178), (472, 30199), (486, 30241), (494, 30280), (509, 30340), (577, 30580), (588, 30616), (605, 30649), (635, 30718),

Gene: TingHuaYa_27 Start: 20178, Stop: 22490, Start Num: 16

Candidate Starts for TingHuaYa_27:

(Start: 16 @20178 has 68 MA's), (58, 20328), (63, 20349), (77, 20406), (119, 20472), (132, 20517), (142, 20559), (144, 20571), (152, 20616), (178, 20727), (183, 20748), (224, 20814), (229, 20829), (248, 20910), (254, 20940), (270, 20979), (277, 20994), (285, 21054), (306, 21138), (321, 21210), (404, 21519), (419, 21573), (420, 21576), (422, 21588), (426, 21615), (432, 21633), (434, 21639), (464, 21771), (530, 22020), (534, 22035), (541, 22065), (554, 22104), (580, 22212), (592, 22242), (612, 22284), (621, 22305), (643, 22347), (654, 22371), (655, 22374), (660, 22398), (661, 22404), (683, 22467), (687, 22482),

Gene: TinyTerror_31 Start: 28602, Stop: 30827, Start Num: 27

Candidate Starts for TinyTerror_31:

(Start: 27 @28602 has 45 MA's), (Start: 31 @28617 has 1 MA's), (40, 28662), (55, 28719), (74, 28797), (96, 28866), (106, 28878), (112, 28920), (121, 28956), (130, 28983), (133, 28995), (139, 29022), (159, 29112), (175, 29184), (194, 29268), (220, 29376), (226, 29397), (248, 29490), (253, 29505), (283, 29634), (300, 29715), (322, 29790), (337, 29832), (340, 29838), (351, 29874), (363, 29937), (379, 29988), (383, 30000), (393, 30042), (398, 30063), (418, 30117), (425, 30141), (435, 30177), (466, 30273), (468, 30282), (486, 30336), (511, 30444), (521, 30471), (533, 30513), (557, 30585), (577, 30675), (588, 30711),

Gene: TomBombadil_31 Start: 28762, Stop: 31017, Start Num: 28

Candidate Starts for TomBombadil_31:

(Start: 28 @28762 has 302 MA's), (50, 28858), (70, 28936), (73, 28963), (106, 29062), (141, 29221), (182, 29401), (187, 29425), (205, 29515), (207, 29521), (217, 29557), (230, 29596), (234, 29605), (240, 29638), (248, 29677), (260, 29722), (275, 29773), (284, 29824), (285, 29833), (300, 29902), (322, 29977), (340, 30022), (344, 30037), (379, 30172), (393, 30226), (398, 30247), (413, 30280), (425, 30325), (439, 30379), (448, 30406), (466, 30463), (472, 30484), (486, 30526), (494, 30565), (509, 30625), (577, 30865), (587, 30898), (588, 30901), (605, 30934), (608, 30940), (635, 31003),

Gene: Tomlarah_31 Start: 28753, Stop: 31008, Start Num: 28

Candidate Starts for Tomlarah_31:

(Start: 28 @28753 has 302 MA's), (50, 28849), (70, 28927), (73, 28954), (106, 29053), (141, 29212), (182, 29392), (187, 29416), (205, 29506), (207, 29512), (217, 29548), (230, 29587), (234, 29596), (240, 29629), (248, 29668), (260, 29713), (275, 29764), (284, 29815), (285, 29824), (300, 29893), (322, 29968), (340, 30013), (344, 30028), (379, 30163), (393, 30217), (398, 30238), (413, 30271), (425, 30316), (439, 30370), (448, 30397), (466, 30454), (472, 30475), (486, 30517), (494, 30556), (509, 30616), (577, 30856), (587, 30889), (588, 30892), (605, 30925), (608, 30931), (635, 30994),

Gene: Toni_30 Start: 28469, Stop: 30724, Start Num: 28

Candidate Starts for Toni_30:

(Start: 28 @28469 has 302 MA's), (50, 28565), (70, 28643), (73, 28670), (106, 28769), (141, 28928), (182, 29108), (187, 29132), (205, 29222), (207, 29228), (217, 29264), (230, 29303), (234, 29312),

(240, 29345), (248, 29384), (260, 29429), (275, 29480), (284, 29531), (285, 29540), (300, 29609), (322, 29684), (340, 29729), (344, 29744), (379, 29879), (393, 29933), (398, 29954), (413, 29987), (425, 30032), (439, 30086), (466, 30170), (472, 30191), (486, 30233), (494, 30272), (509, 30332), (577, 30572), (587, 30605), (588, 30608), (605, 30641), (608, 30647), (635, 30710),

Gene: Tooj_31 Start: 28823, Stop: 31081, Start Num: 28

Candidate Starts for Tooj_31:

(Start: 28 @28823 has 302 MA's), (50, 28919), (70, 28997), (73, 29024), (106, 29126), (141, 29285), (182, 29465), (187, 29489), (207, 29585), (217, 29621), (230, 29660), (234, 29669), (240, 29702), (248, 29741), (260, 29786), (275, 29837), (284, 29888), (285, 29897), (300, 29966), (322, 30041), (340, 30086), (344, 30101), (379, 30236), (393, 30290), (398, 30311), (413, 30344), (425, 30389), (439, 30443), (448, 30470), (466, 30527), (472, 30548), (486, 30590), (494, 30629), (509, 30689), (577, 30929), (587, 30962), (588, 30965), (605, 30998), (608, 31004), (635, 31067),

Gene: Torres_23 Start: 20414, Stop: 22900, Start Num: 16

Candidate Starts for Torres_23:

(Start: 16 @20414 has 68 MA's), (Start: 31 @20462 has 1 MA's), (77, 20642), (78, 20645), (119, 20708), (121, 20720), (152, 20852), (163, 20891), (175, 20948), (180, 20972), (183, 20984), (194, 21032), (195, 21035), (203, 21068), (211, 21107), (222, 21140), (226, 21152), (229, 21161), (231, 21167), (245, 21233), (249, 21248), (276, 21359), (281, 21392), (297, 21476), (303, 21491), (318, 21551), (338, 21620), (361, 21740), (385, 21833), (417, 21947), (438, 22025), (439, 22031), (445, 22055), (458, 22118), (459, 22121), (462, 22133), (483, 22199), (484, 22205), (493, 22247), (497, 22268), (501, 22277), (506, 22310), (510, 22328), (530, 22397), (560, 22496), (562, 22502), (566, 22520), (578, 22574), (583, 22589), (595, 22616), (624, 22673),

Gene: TriFive_21 Start: 19724, Stop: 22237, Start Num: 11

Candidate Starts for TriFive_21:

(Start: 11 @19724 has 16 MA's), (20, 19787), (40, 19859), (64, 19949), (66, 19955), (81, 20027), (105, 20114), (138, 20219), (141, 20231), (146, 20249), (153, 20288), (161, 20318), (173, 20375), (179, 20405), (182, 20411), (192, 20465), (194, 20471), (229, 20618), (230, 20621), (234, 20630), (238, 20648), (250, 20708), (253, 20717), (256, 20729), (266, 20780), (268, 20783), (306, 20948), (317, 21005), (343, 21089), (349, 21107), (353, 21116), (366, 21179), (400, 21299), (410, 21323), (415, 21344), (421, 21359), (425, 21377), (434, 21407), (455, 21497), (480, 21566), (487, 21599), (491, 21620), (501, 21656), (507, 21692), (521, 21737), (528, 21761), (530, 21767), (534, 21782), (538, 21800), (566, 21887), (572, 21911), (581, 21947), (583, 21953), (593, 21977), (628, 22052), (631, 22055), (659, 22142), (661, 22151), (663, 22157),

Gene: TribelTrouble_25 Start: 21122, Stop: 23572, Start Num: 16

Candidate Starts for TribelTrouble_25:

(Start: 16 @21122 has 68 MA's), (23, 21149), (Start: 31 @21170 has 1 MA's), (33, 21182), (43, 21227), (52, 21257), (61, 21287), (104, 21449), (107, 21470), (125, 21548), (137, 21593), (145, 21629), (148, 21647), (168, 21725), (176, 21761), (222, 21959), (227, 21974), (240, 22025), (253, 22082), (286, 22199), (294, 22241), (297, 22256), (302, 22265), (319, 22346), (322, 22364), (335, 22406), (341, 22427), (349, 22448), (353, 22457), (373, 22544), (400, 22640), (421, 22700), (423, 22712), (435, 22754), (456, 22841), (476, 22895), (487, 22934), (490, 22952), (514, 23051), (520, 23069), (535, 23123), (552, 23168), (557, 23180), (562, 23204), (570, 23231), (601, 23327), (606, 23336), (660, 23465), (671, 23492), (674, 23504),

Gene: True_30 Start: 28466, Stop: 30721, Start Num: 28

Candidate Starts for True_30:

(Start: 28 @28466 has 302 MA's), (50, 28562), (70, 28640), (73, 28667), (106, 28766), (141, 28925), (182, 29105), (187, 29129), (205, 29219), (207, 29225), (217, 29261), (230, 29300), (234, 29309), (240, 29342), (248, 29381), (260, 29426), (275, 29477), (284, 29528), (285, 29537), (300, 29606),

(322, 29681), (340, 29726), (344, 29741), (379, 29876), (393, 29930), (398, 29951), (413, 29984), (425, 30029), (439, 30083), (448, 30110), (466, 30167), (472, 30188), (486, 30230), (494, 30269), (509, 30329), (577, 30569), (587, 30602), (588, 30605), (605, 30638), (608, 30644), (635, 30707),

Gene: Trypo_31 Start: 28761, Stop: 31016, Start Num: 28

Candidate Starts for Trypo_31:

(Start: 28 @28761 has 302 MA's), (50, 28857), (70, 28935), (73, 28962), (106, 29061), (141, 29220), (182, 29400), (187, 29424), (207, 29520), (217, 29556), (230, 29595), (234, 29604), (240, 29637), (248, 29676), (260, 29721), (275, 29772), (284, 29823), (285, 29832), (300, 29901), (322, 29976), (340, 30021), (344, 30036), (379, 30171), (393, 30225), (398, 30246), (413, 30279), (425, 30324), (439, 30378), (448, 30405), (466, 30462), (472, 30483), (486, 30525), (494, 30564), (509, 30624), (577, 30864), (588, 30900), (605, 30933), (635, 31002),

Gene: Tydolla_31 Start: 29351, Stop: 31576, Start Num: 27

Candidate Starts for Tydolla_31:

(Start: 27 @29351 has 45 MA's), (Start: 31 @29366 has 1 MA's), (40, 29411), (55, 29468), (74, 29546), (96, 29615), (106, 29627), (112, 29669), (121, 29705), (130, 29732), (133, 29744), (139, 29771), (159, 29861), (175, 29933), (194, 30017), (220, 30125), (226, 30146), (248, 30239), (253, 30254), (283, 30383), (300, 30464), (322, 30539), (337, 30581), (340, 30587), (351, 30623), (379, 30737), (383, 30749), (393, 30791), (398, 30812), (418, 30866), (425, 30890), (435, 30926), (466, 31022), (468, 31031), (486, 31085), (511, 31193), (521, 31220), (533, 31262), (557, 31334), (577, 31424), (588, 31460),

Gene: Typha_27 Start: 23429, Stop: 26023, Start Num: 15

Candidate Starts for Typha_27:

(Start: 15 @23429 has 4 MA's), (23, 23468), (41, 23543), (68, 23645), (71, 23654), (89, 23732), (114, 23813), (116, 23822), (130, 23867), (131, 23870), (133, 23879), (135, 23891), (136, 23894), (142, 23918), (147, 23945), (148, 23954), (164, 24017), (178, 24083), (186, 24119), (187, 24122), (202, 24194), (204, 24200), (222, 24269), (242, 24353), (261, 24434), (265, 24455), (305, 24629), (310, 24656), (320, 24707), (331, 24752), (345, 24803), (348, 24812), (360, 24890), (392, 25013), (394, 25016), (396, 25019), (423, 25130), (439, 25193), (453, 25241), (478, 25328), (484, 25355), (487, 25364), (489, 25370), (501, 25421), (530, 25538), (531, 25541), (558, 25625), (566, 25661), (574, 25691), (579, 25715), (604, 25766), (605, 25772), (607, 25778), (653, 25880), (661, 25916), (684, 26006), (687, 26015),

Gene: TyrionL_30 Start: 28325, Stop: 30580, Start Num: 28

Candidate Starts for TyrionL_30:

(Start: 28 @28325 has 302 MA's), (50, 28421), (70, 28499), (73, 28526), (106, 28625), (141, 28784), (182, 28964), (187, 28988), (207, 29084), (217, 29120), (230, 29159), (234, 29168), (240, 29201), (248, 29240), (260, 29285), (275, 29336), (285, 29396), (300, 29465), (322, 29540), (340, 29585), (344, 29600), (379, 29735), (393, 29789), (398, 29810), (413, 29843), (425, 29888), (439, 29942), (448, 29969), (466, 30026), (472, 30047), (486, 30089), (494, 30128), (509, 30188), (577, 30428), (587, 30461), (588, 30464), (605, 30497), (635, 30566),

Gene: UAch1_31 Start: 28775, Stop: 31030, Start Num: 28

Candidate Starts for UAch1_31:

(Start: 28 @28775 has 302 MA's), (50, 28871), (70, 28949), (73, 28976), (106, 29075), (141, 29234), (182, 29414), (187, 29438), (205, 29528), (207, 29534), (217, 29570), (230, 29609), (234, 29618), (240, 29651), (248, 29690), (260, 29735), (275, 29786), (284, 29837), (285, 29846), (300, 29915), (322, 29990), (340, 30035), (344, 30050), (379, 30185), (393, 30239), (398, 30260), (413, 30293), (425, 30338), (439, 30392), (466, 30476), (472, 30497), (486, 30539), (494, 30578), (509, 30638), (577, 30878), (587, 30911), (588, 30914), (605, 30947), (608, 30953), (635, 31016),

Gene: UncleHowie_31 Start: 28465, Stop: 30720, Start Num: 28

Candidate Starts for UncleHowie_31:

(Start: 28 @28465 has 302 MA's), (50, 28561), (70, 28639), (73, 28666), (106, 28765), (141, 28924), (182, 29104), (187, 29128), (205, 29218), (207, 29224), (217, 29260), (230, 29299), (234, 29308), (240, 29341), (248, 29380), (260, 29425), (275, 29476), (284, 29527), (285, 29536), (300, 29605), (322, 29680), (340, 29725), (344, 29740), (379, 29875), (393, 29929), (398, 29950), (413, 29983), (425, 30028), (439, 30082), (448, 30109), (466, 30166), (472, 30187), (486, 30229), (494, 30268), (509, 30328), (577, 30568), (588, 30604), (605, 30637), (635, 30706),

Gene: Unicorn_26 Start: 20093, Stop: 22432, Start Num: 16

Candidate Starts for Unicorn_26:

(Start: 16 @20093 has 68 MA's), (32, 20150), (63, 20264), (67, 20282), (80, 20333), (86, 20354), (132, 20432), (152, 20531), (156, 20543), (178, 20642), (180, 20651), (201, 20744), (222, 20825), (231, 20855), (236, 20867), (237, 20876), (240, 20894), (242, 20909), (249, 20933), (270, 20993), (281, 21038), (286, 21065), (297, 21122), (302, 21131), (318, 21200), (319, 21203), (322, 21221), (335, 21263), (341, 21284), (353, 21314), (373, 21401), (390, 21464), (400, 21497), (423, 21569), (436, 21617), (439, 21629), (456, 21698), (466, 21722), (487, 21791), (535, 21980), (560, 22055), (566, 22079), (601, 22184), (606, 22193), (612, 22211), (651, 22298), (660, 22322), (674, 22364), (688, 22424),

Gene: Usavi_31 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for Usavi_31:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (448, 30410), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (587, 30902), (588, 30905), (605, 30938), (608, 30944), (635, 31007),

Gene: Vaishali24_30 Start: 28427, Stop: 30682, Start Num: 28

Candidate Starts for Vaishali24_30:

(Start: 28 @28427 has 302 MA's), (50, 28523), (70, 28601), (73, 28628), (106, 28727), (182, 29066), (187, 29090), (205, 29180), (207, 29186), (217, 29222), (230, 29261), (240, 29303), (248, 29342), (260, 29387), (275, 29438), (284, 29489), (285, 29498), (300, 29567), (322, 29642), (340, 29687), (344, 29702), (379, 29837), (393, 29891), (398, 29912), (413, 29945), (425, 29990), (439, 30044), (466, 30128), (472, 30149), (486, 30191), (494, 30230), (509, 30290), (577, 30530), (587, 30563), (588, 30566), (605, 30599), (608, 30605), (635, 30668),

Gene: Validus_27 Start: 20168, Stop: 22669, Start Num: 16

Candidate Starts for Validus_27:

(Start: 16 @20168 has 68 MA's), (42, 20267), (48, 20285), (63, 20339), (75, 20390), (80, 20408), (121, 20474), (137, 20528), (152, 20606), (163, 20645), (175, 20702), (183, 20738), (195, 20789), (208, 20834), (221, 20888), (222, 20891), (229, 20912), (231, 20918), (240, 20957), (276, 21110), (283, 21155), (297, 21227), (315, 21281), (318, 21302), (321, 21314), (348, 21407), (355, 21422), (360, 21485), (385, 21581), (438, 21773), (439, 21779), (445, 21803), (458, 21866), (484, 21953), (501, 22025), (506, 22058), (510, 22076), (521, 22115), (581, 22331), (633, 22442), (653, 22499), (657, 22517), (666, 22547),

Gene: Valjean_31 Start: 28758, Stop: 31013, Start Num: 28

Candidate Starts for Valjean_31:

(Start: 28 @28758 has 302 MA's), (50, 28854), (70, 28932), (73, 28959), (106, 29058), (141, 29217), (182, 29397), (187, 29421), (205, 29511), (207, 29517), (217, 29553), (230, 29592), (234, 29601), (240, 29634), (248, 29673), (260, 29718), (275, 29769), (284, 29820), (285, 29829), (300, 29898),

(322, 29973), (340, 30018), (344, 30033), (379, 30168), (393, 30222), (398, 30243), (413, 30276), (425, 30321), (439, 30375), (466, 30459), (472, 30480), (486, 30522), (494, 30561), (509, 30621), (577, 30861), (587, 30894), (588, 30897), (605, 30930), (635, 30999),

Gene: Vanisoa_30 Start: 22263, Stop: 24611, Start Num: 17

Candidate Starts for Vanisoa_30:

(Start: 16 @22257 has 68 MA's), (Start: 17 @22263 has 2 MA's), (44, 22362), (54, 22395), (93, 22530), (131, 22620), (154, 22722), (161, 22749), (169, 22785), (184, 22854), (185, 22860), (233, 23070), (241, 23112), (264, 23202), (274, 23229), (298, 23343), (311, 23376), (336, 23457), (353, 23487), (355, 23493), (382, 23595), (400, 23673), (421, 23733), (433, 23781), (436, 23793), (481, 23946), (487, 23973), (490, 23991), (501, 24030), (505, 24060), (530, 24141), (531, 24144), (572, 24285), (593, 24351), (613, 24396), (623, 24417), (628, 24426), (663, 24531), (679, 24576), (682, 24588),

Gene: Vaticameos_31 Start: 28456, Stop: 30711, Start Num: 28

Candidate Starts for Vaticameos_31:

(Start: 28 @28456 has 302 MA's), (50, 28552), (70, 28630), (73, 28657), (106, 28756), (141, 28915), (182, 29095), (187, 29119), (205, 29209), (207, 29215), (217, 29251), (230, 29290), (234, 29299), (240, 29332), (248, 29371), (260, 29416), (275, 29467), (284, 29518), (285, 29527), (300, 29596), (322, 29671), (340, 29716), (344, 29731), (379, 29866), (393, 29920), (398, 29941), (413, 29974), (425, 30019), (439, 30073), (448, 30100), (466, 30157), (472, 30178), (486, 30220), (494, 30259), (509, 30319), (577, 30559), (587, 30592), (588, 30595), (605, 30628), (608, 30634), (635, 30697),

Gene: Veritas_30 Start: 28328, Stop: 30583, Start Num: 28

Candidate Starts for Veritas_30:

(Start: 28 @28328 has 302 MA's), (50, 28424), (70, 28502), (73, 28529), (106, 28628), (141, 28787), (182, 28967), (187, 28991), (205, 29081), (207, 29087), (217, 29123), (230, 29162), (234, 29171), (240, 29204), (248, 29243), (260, 29288), (275, 29339), (284, 29390), (285, 29399), (300, 29468), (322, 29543), (340, 29588), (344, 29603), (379, 29738), (393, 29792), (398, 29813), (413, 29846), (425, 29891), (439, 29945), (448, 29972), (466, 30029), (472, 30050), (486, 30092), (494, 30131), (509, 30191), (577, 30431), (587, 30464), (588, 30467), (605, 30500), (608, 30506), (635, 30569),

Gene: Vincenzo_29 Start: 29686, Stop: 31983, Start Num: 28

Candidate Starts for Vincenzo_29:

(Start: 28 @29686 has 302 MA's), (Start: 31 @29701 has 1 MA's), (50, 29785), (55, 29803), (69, 29860), (106, 29989), (167, 30253), (174, 30292), (175, 30298), (182, 30328), (185, 30343), (187, 30352), (201, 30433), (202, 30436), (229, 30535), (230, 30538), (231, 30541), (236, 30553), (261, 30676), (269, 30700), (283, 30763), (289, 30802), (310, 30874), (315, 30895), (318, 30916), (322, 30931), (328, 30952), (340, 30982), (350, 31015), (351, 31018), (356, 31030), (363, 31081), (364, 31084), (369, 31102), (376, 31126), (379, 31132), (393, 31186), (398, 31207), (418, 31261), (425, 31285), (466, 31420), (467, 31426), (468, 31429), (472, 31441), (495, 31525), (533, 31660), (540, 31684), (558, 31747), (567, 31783), (575, 31816), (577, 31831), (587, 31864), (588, 31867), (635, 31969), (636, 31972),

Gene: VioletZ_28 Start: 29041, Stop: 31338, Start Num: 28

Candidate Starts for VioletZ_28:

(Start: 1 @28354 has 1 MA's), (2, 28501), (Start: 28 @29041 has 302 MA's), (50, 29140), (55, 29158), (83, 29281), (106, 29344), (120, 29425), (138, 29491), (167, 29608), (174, 29647), (185, 29698), (187, 29707), (197, 29764), (201, 29788), (202, 29791), (217, 29854), (231, 29896), (236, 29908), (260, 30019), (261, 30031), (269, 30055), (283, 30118), (310, 30229), (315, 30250), (322, 30286), (328, 30307), (351, 30373), (356, 30385), (363, 30436), (364, 30439), (369, 30457), (376, 30481), (384, 30508), (393, 30541), (398, 30562), (413, 30595), (425, 30640), (467, 30781), (468, 30784), (472, 30796), (495, 30880), (527, 30994), (533, 31015), (540, 31039), (558, 31102), (564, 31132), (577, 31186), (587, 31219), (588, 31222), (603, 31246), (635, 31324), (636, 31327),

Gene: Virapocalypse_31 Start: 28752, Stop: 31007, Start Num: 28

Candidate Starts for Virapocalypse_31:

(Start: 28 @28752 has 302 MA's), (50, 28848), (70, 28926), (73, 28953), (106, 29052), (141, 29211), (182, 29391), (187, 29415), (205, 29505), (207, 29511), (217, 29547), (230, 29586), (234, 29595), (240, 29628), (248, 29667), (260, 29712), (275, 29763), (284, 29814), (285, 29823), (300, 29892), (322, 29967), (340, 30012), (344, 30027), (379, 30162), (393, 30216), (398, 30237), (413, 30270), (425, 30315), (439, 30369), (448, 30396), (466, 30453), (472, 30474), (486, 30516), (494, 30555), (509, 30615), (577, 30855), (587, 30888), (588, 30891), (605, 30924), (608, 30930), (635, 30993),

Gene: Virgeve_30 Start: 28527, Stop: 30788, Start Num: 28

Candidate Starts for Virgeve_30:

(Start: 28 @28527 has 302 MA's), (50, 28623), (70, 28701), (73, 28728), (94, 28803), (106, 28833), (141, 28992), (182, 29172), (187, 29196), (207, 29292), (217, 29328), (230, 29367), (234, 29376), (240, 29409), (248, 29448), (260, 29493), (275, 29544), (285, 29604), (300, 29673), (322, 29748), (340, 29793), (344, 29808), (379, 29943), (393, 29997), (398, 30018), (413, 30051), (425, 30096), (439, 30150), (448, 30177), (466, 30234), (472, 30255), (486, 30297), (494, 30336), (509, 30396), (577, 30636), (588, 30672), (605, 30705), (635, 30774),

Gene: Vista_31 Start: 28766, Stop: 31021, Start Num: 28

Candidate Starts for Vista_31:

(Start: 28 @28766 has 302 MA's), (50, 28862), (70, 28940), (73, 28967), (106, 29066), (141, 29225), (182, 29405), (187, 29429), (205, 29519), (207, 29525), (217, 29561), (230, 29600), (234, 29609), (240, 29642), (248, 29681), (260, 29726), (275, 29777), (284, 29828), (285, 29837), (300, 29906), (322, 29981), (340, 30026), (344, 30041), (379, 30176), (393, 30230), (398, 30251), (413, 30284), (425, 30329), (439, 30383), (448, 30410), (466, 30467), (472, 30488), (486, 30530), (494, 30569), (509, 30629), (577, 30869), (588, 30905), (605, 30938), (635, 31007),

Gene: Vivaldi_31 Start: 28792, Stop: 31050, Start Num: 28

Candidate Starts for Vivaldi_31:

(Start: 28 @28792 has 302 MA's), (50, 28888), (70, 28966), (73, 28993), (106, 29095), (182, 29434), (187, 29458), (207, 29554), (217, 29590), (230, 29629), (240, 29671), (248, 29710), (260, 29755), (275, 29806), (284, 29857), (285, 29866), (300, 29935), (322, 30010), (340, 30055), (344, 30070), (379, 30205), (393, 30259), (398, 30280), (413, 30313), (425, 30358), (439, 30412), (466, 30496), (472, 30517), (486, 30559), (494, 30598), (509, 30658), (577, 30898), (587, 30931), (588, 30934), (605, 30967), (608, 30973), (635, 31036),

Gene: Vortex_31 Start: 28472, Stop: 30727, Start Num: 28

Candidate Starts for Vortex_31:

(Start: 28 @28472 has 302 MA's), (50, 28568), (70, 28646), (73, 28673), (106, 28772), (141, 28931), (182, 29111), (187, 29135), (207, 29231), (217, 29267), (230, 29306), (234, 29315), (240, 29348), (248, 29387), (260, 29432), (275, 29483), (284, 29534), (285, 29543), (300, 29612), (322, 29687), (340, 29732), (344, 29747), (379, 29882), (393, 29936), (398, 29957), (413, 29990), (425, 30035), (439, 30089), (448, 30116), (466, 30173), (472, 30194), (486, 30236), (494, 30275), (509, 30335), (577, 30575), (588, 30611), (605, 30644), (635, 30713),

Gene: Waleliano_28 Start: 28968, Stop: 31265, Start Num: 28

Candidate Starts for Waleliano_28:

(Start: 1 @28281 has 1 MA's), (2, 28428), (Start: 28 @28968 has 302 MA's), (50, 29067), (55, 29085), (83, 29208), (106, 29271), (120, 29352), (138, 29418), (167, 29535), (174, 29574), (185, 29625), (187, 29634), (197, 29691), (201, 29715), (202, 29718), (217, 29781), (231, 29823), (236, 29835), (261, 29958), (269, 29982), (283, 30045), (310, 30156), (315, 30177), (322, 30213), (328, 30234), (351, 30300), (356, 30312), (362, 30354), (363, 30363), (364, 30366), (369, 30384), (370, 30387), (376,

30408), (384, 30435), (393, 30468), (398, 30489), (413, 30522), (425, 30567), (467, 30708), (468, 30711), (472, 30723), (495, 30807), (527, 30921), (533, 30942), (540, 30966), (558, 31029), (564, 31059), (577, 31113), (587, 31146), (588, 31149), (635, 31251), (636, 31254),

Gene: Wallhey_30 Start: 28329, Stop: 30584, Start Num: 28

Candidate Starts for Wallhey_30:

(Start: 28 @28329 has 302 MA's), (50, 28425), (70, 28503), (73, 28530), (106, 28629), (141, 28788), (182, 28968), (187, 28992), (207, 29088), (217, 29124), (230, 29163), (234, 29172), (240, 29205), (248, 29244), (260, 29289), (275, 29340), (284, 29391), (285, 29400), (300, 29469), (322, 29544), (340, 29589), (344, 29604), (379, 29739), (393, 29793), (398, 29814), (413, 29847), (425, 29892), (439, 29946), (448, 29973), (466, 30030), (472, 30051), (486, 30093), (494, 30132), (509, 30192), (577, 30432), (588, 30468), (605, 30501), (635, 30570),

Gene: Waterdiva_31 Start: 28758, Stop: 31013, Start Num: 28

Candidate Starts for Waterdiva_31:

(Start: 28 @28758 has 302 MA's), (50, 28854), (70, 28932), (73, 28959), (106, 29058), (141, 29217), (182, 29397), (187, 29421), (205, 29511), (207, 29517), (217, 29553), (230, 29592), (234, 29601), (240, 29634), (248, 29673), (260, 29718), (275, 29769), (284, 29820), (285, 29829), (300, 29898), (322, 29973), (340, 30018), (344, 30033), (379, 30168), (393, 30222), (398, 30243), (413, 30276), (425, 30321), (439, 30375), (448, 30402), (466, 30459), (472, 30480), (486, 30522), (494, 30561), (509, 30621), (577, 30861), (587, 30894), (588, 30897), (605, 30930), (608, 30936), (635, 30999),

Gene: Weher20_31 Start: 28757, Stop: 31012, Start Num: 28

Candidate Starts for Weher20_31:

(Start: 28 @28757 has 302 MA's), (50, 28853), (70, 28931), (73, 28958), (106, 29057), (141, 29216), (182, 29396), (187, 29420), (205, 29510), (207, 29516), (217, 29552), (230, 29591), (234, 29600), (240, 29633), (248, 29672), (260, 29717), (275, 29768), (284, 29819), (285, 29828), (300, 29897), (322, 29972), (340, 30017), (344, 30032), (379, 30167), (393, 30221), (398, 30242), (413, 30275), (425, 30320), (439, 30374), (448, 30401), (466, 30458), (472, 30479), (486, 30521), (494, 30560), (509, 30620), (577, 30860), (587, 30893), (588, 30896), (605, 30929), (608, 30935), (635, 30998),

Gene: Whirlwind_22 Start: 19481, Stop: 21994, Start Num: 11

Candidate Starts for Whirlwind_22:

(Start: 11 @19481 has 16 MA's), (20, 19544), (40, 19616), (90, 19814), (134, 19958), (138, 19976), (141, 19988), (146, 20006), (153, 20045), (157, 20060), (161, 20075), (173, 20132), (179, 20162), (182, 20168), (192, 20222), (194, 20228), (204, 20285), (229, 20375), (230, 20378), (234, 20387), (238, 20405), (250, 20465), (266, 20537), (268, 20540), (298, 20684), (306, 20705), (317, 20762), (343, 20846), (349, 20864), (353, 20873), (400, 21056), (415, 21101), (421, 21116), (425, 21134), (434, 21164), (449, 21224), (455, 21254), (480, 21323), (487, 21356), (491, 21377), (501, 21413), (505, 21443), (528, 21518), (530, 21524), (534, 21539), (538, 21557), (552, 21590), (565, 21641), (566, 21644), (573, 21671), (581, 21704), (593, 21734), (628, 21809), (640, 21845), (661, 21908), (663, 21914), (687, 21986),

Gene: Willsammy_21 Start: 18930, Stop: 21569, Start Num: 7

Candidate Starts for Willsammy_21:

(Start: 7 @18930 has 9 MA's), (9, 18939), (40, 19083), (114, 19356), (116, 19365), (118, 19368), (123, 19389), (127, 19401), (130, 19410), (135, 19434), (147, 19488), (164, 19566), (171, 19596), (178, 19632), (183, 19653), (186, 19668), (195, 19710), (202, 19743), (222, 19818), (229, 19842), (231, 19848), (236, 19860), (242, 19902), (243, 19908), (263, 19995), (289, 20127), (293, 20145), (305, 20178), (310, 20205), (320, 20256), (365, 20466), (384, 20532), (396, 20568), (421, 20667), (423, 20679), (439, 20742), (484, 20904), (489, 20919), (501, 20970), (530, 21087), (542, 21132), (558, 21174), (566, 21210), (579, 21264), (604, 21312), (660, 21456), (676, 21513), (684, 21552), (687, 21561),

Gene: Windsor_30 Start: 28456, Stop: 30717, Start Num: 28

Candidate Starts for Windsor_30:

(Start: 28 @28456 has 302 MA's), (50, 28552), (70, 28630), (73, 28657), (94, 28732), (106, 28762), (141, 28921), (182, 29101), (187, 29125), (207, 29221), (217, 29257), (230, 29296), (234, 29305), (240, 29338), (248, 29377), (260, 29422), (275, 29473), (285, 29533), (300, 29602), (322, 29677), (340, 29722), (344, 29737), (379, 29872), (393, 29926), (398, 29947), (413, 29980), (425, 30025), (439, 30079), (448, 30106), (466, 30163), (472, 30184), (486, 30226), (494, 30265), (509, 30325), (577, 30565), (588, 30601), (605, 30634), (635, 30703),

Gene: Wintermute_28 Start: 22272, Stop: 24581, Start Num: 16

Candidate Starts for Wintermute_28:

(Start: 16 @22272 has 68 MA's), (38, 22362), (43, 22383), (50, 22407), (82, 22524), (140, 22653), (150, 22713), (169, 22785), (171, 22794), (184, 22845), (185, 22851), (187, 22860), (222, 22911), (226, 22923), (231, 22938), (234, 22944), (240, 22977), (251, 23025), (270, 23079), (286, 23151), (293, 23190), (296, 23202), (302, 23217), (313, 23262), (327, 23331), (354, 23412), (390, 23565), (404, 23607), (435, 23736), (445, 23781), (459, 23847), (464, 23862), (491, 23958), (530, 24111), (534, 24126), (535, 24132), (541, 24156), (544, 24162), (547, 24168), (548, 24171), (554, 24195), (558, 24207), (580, 24303), (605, 24354), (606, 24357), (638, 24426), (654, 24462), (661, 24495), (681, 24549), (683, 24558), (687, 24573),

Gene: Xavier_30 Start: 28479, Stop: 30734, Start Num: 28

Candidate Starts for Xavier_30:

(Start: 28 @28479 has 302 MA's), (50, 28575), (70, 28653), (73, 28680), (106, 28779), (141, 28938), (182, 29118), (187, 29142), (205, 29232), (207, 29238), (217, 29274), (230, 29313), (234, 29322), (240, 29355), (248, 29394), (260, 29439), (275, 29490), (284, 29541), (285, 29550), (300, 29619), (322, 29694), (340, 29739), (344, 29754), (379, 29889), (393, 29943), (398, 29964), (413, 29997), (425, 30042), (439, 30096), (448, 30123), (466, 30180), (472, 30201), (486, 30243), (494, 30282), (509, 30342), (577, 30582), (587, 30615), (588, 30618), (605, 30651), (608, 30657), (635, 30720),

Gene: Xeno_20 Start: 17553, Stop: 20198, Start Num: 7

Candidate Starts for Xeno_20:

(Start: 5 @17541 has 1 MA's), (Start: 7 @17553 has 9 MA's), (10, 17565), (12, 17577), (21, 17631), (Start: 39 @17700 has 1 MA's), (40, 17703), (41, 17712), (46, 17727), (91, 17904), (114, 17985), (116, 17994), (133, 18051), (136, 18066), (165, 18198), (175, 18246), (178, 18261), (183, 18282), (190, 18324), (195, 18339), (196, 18348), (202, 18375), (204, 18381), (222, 18450), (229, 18471), (231, 18477), (235, 18486), (239, 18513), (263, 18624), (271, 18645), (276, 18669), (287, 18735), (289, 18756), (293, 18774), (305, 18807), (309, 18831), (310, 18834), (320, 18885), (348, 18990), (358, 19032), (396, 19197), (420, 19293), (439, 19371), (444, 19383), (466, 19473), (484, 19533), (487, 19542), (497, 19590), (501, 19599), (530, 19716), (542, 19761), (558, 19803), (574, 19869), (579, 19893), (604, 19941), (605, 19947), (607, 19953), (651, 20052), (655, 20061), (661, 20091), (684, 20181), (687, 20190),

Gene: Ximenita_27 Start: 20205, Stop: 22535, Start Num: 16

Candidate Starts for Ximenita_27:

(Start: 16 @20205 has 68 MA's), (33, 20265), (67, 20394), (72, 20406), (80, 20445), (132, 20541), (134, 20550), (152, 20640), (163, 20679), (172, 20727), (178, 20751), (180, 20760), (201, 20853), (206, 20868), (222, 20934), (231, 20964), (236, 20976), (240, 21003), (242, 21018), (249, 21042), (270, 21102), (281, 21147), (286, 21174), (293, 21213), (297, 21231), (302, 21240), (318, 21309), (319, 21312), (322, 21330), (335, 21372), (341, 21393), (349, 21414), (353, 21423), (360, 21459), (373, 21510), (423, 21675), (447, 21765), (456, 21804), (459, 21813), (476, 21858), (483, 21882), (487, 21897), (490, 21915), (497, 21945), (535, 22086), (552, 22131), (560, 22161), (566, 22185), (570, 22194), (574, 22215), (582, 22245), (660, 22428), (672, 22455), (674, 22467), (688, 22527),

Gene: Xincheng_27 Start: 28426, Stop: 30714, Start Num: 28

Candidate Starts for Xincheng_27:

(Start: 28 @28426 has 302 MA's), (50, 28525), (55, 28543), (73, 28630), (83, 28666), (106, 28729), (120, 28810), (138, 28876), (167, 28993), (174, 29032), (185, 29083), (187, 29092), (197, 29149), (201, 29173), (202, 29176), (217, 29239), (269, 29440), (278, 29470), (279, 29473), (283, 29503), (310, 29614), (315, 29635), (322, 29671), (328, 29692), (351, 29758), (356, 29770), (363, 29821), (364, 29824), (376, 29866), (384, 29893), (393, 29926), (398, 29947), (413, 29980), (414, 29983), (425, 30025), (426, 30037), (466, 30160), (468, 30169), (472, 30181), (482, 30205), (486, 30223), (494, 30262), (495, 30265), (508, 30319), (511, 30331), (527, 30379), (533, 30400), (577, 30562), (587, 30595), (588, 30598), (635, 30700),

Gene: Y10_28 Start: 22272, Stop: 24581, Start Num: 16

Candidate Starts for Y10_28:

(Start: 16 @22272 has 68 MA's), (38, 22362), (43, 22383), (50, 22407), (82, 22524), (140, 22653), (150, 22713), (169, 22785), (171, 22794), (184, 22845), (185, 22851), (187, 22860), (222, 22911), (226, 22923), (231, 22938), (234, 22944), (240, 22977), (251, 23025), (270, 23079), (286, 23151), (293, 23190), (296, 23202), (302, 23217), (313, 23262), (327, 23331), (354, 23412), (390, 23565), (404, 23607), (435, 23736), (445, 23781), (459, 23847), (464, 23862), (491, 23958), (530, 24111), (534, 24126), (535, 24132), (541, 24156), (544, 24162), (547, 24168), (548, 24171), (554, 24195), (558, 24207), (580, 24303), (605, 24354), (606, 24357), (638, 24426), (654, 24462), (661, 24495), (681, 24549), (683, 24558), (687, 24573),

Gene: Y2_28 Start: 22272, Stop: 24581, Start Num: 16

Candidate Starts for Y2_28:

(Start: 16 @22272 has 68 MA's), (38, 22362), (43, 22383), (50, 22407), (82, 22524), (140, 22653), (150, 22713), (169, 22785), (171, 22794), (184, 22845), (185, 22851), (187, 22860), (222, 22911), (226, 22923), (231, 22938), (234, 22944), (240, 22977), (251, 23025), (270, 23079), (286, 23151), (293, 23190), (296, 23202), (302, 23217), (313, 23262), (327, 23331), (354, 23412), (390, 23565), (404, 23607), (435, 23736), (445, 23781), (459, 23847), (464, 23862), (491, 23958), (530, 24111), (534, 24126), (535, 24132), (541, 24156), (544, 24162), (547, 24168), (548, 24171), (554, 24195), (558, 24207), (580, 24303), (605, 24354), (606, 24357), (638, 24426), (654, 24462), (661, 24495), (681, 24549), (683, 24558), (687, 24573),

Gene: Yahalom_31 Start: 28626, Stop: 30851, Start Num: 27

Candidate Starts for Yahalom_31:

(Start: 27 @28626 has 45 MA's), (Start: 31 @28641 has 1 MA's), (40, 28686), (55, 28743), (74, 28821), (96, 28890), (106, 28902), (112, 28944), (121, 28980), (130, 29007), (133, 29019), (139, 29046), (159, 29136), (166, 29160), (175, 29208), (194, 29292), (220, 29400), (226, 29421), (248, 29514), (253, 29529), (283, 29658), (300, 29739), (322, 29814), (337, 29856), (340, 29862), (363, 29961), (379, 30012), (383, 30024), (393, 30066), (398, 30087), (418, 30141), (425, 30165), (435, 30201), (466, 30297), (468, 30306), (486, 30360), (511, 30468), (521, 30495), (533, 30537), (557, 30609), (577, 30699), (588, 30735),

Gene: Yinz_31 Start: 28649, Stop: 30874, Start Num: 27

Candidate Starts for Yinz_31:

(Start: 27 @28649 has 45 MA's), (Start: 31 @28664 has 1 MA's), (40, 28709), (55, 28766), (74, 28844), (96, 28913), (106, 28925), (112, 28967), (121, 29003), (130, 29030), (133, 29042), (139, 29069), (159, 29159), (175, 29231), (194, 29315), (220, 29423), (226, 29444), (248, 29537), (253, 29552), (283, 29681), (300, 29762), (322, 29837), (337, 29879), (340, 29885), (351, 29921), (379, 30035), (383, 30047), (393, 30089), (398, 30110), (418, 30164), (425, 30188), (435, 30224), (466, 30320), (468, 30329), (486, 30383), (511, 30491), (521, 30518), (533, 30560), (557, 30632), (577, 30722), (588, 30758),

Gene: Yoshand_31 Start: 28765, Stop: 31020, Start Num: 28

Candidate Starts for Yoshand_31:

(Start: 28 @28765 has 302 MA's), (50, 28861), (70, 28939), (73, 28966), (106, 29065), (141, 29224), (182, 29404), (187, 29428), (205, 29518), (207, 29524), (217, 29560), (230, 29599), (234, 29608), (240, 29641), (248, 29680), (260, 29725), (275, 29776), (284, 29827), (285, 29836), (300, 29905), (322, 29980), (340, 30025), (344, 30040), (379, 30175), (393, 30229), (398, 30250), (413, 30283), (425, 30328), (439, 30382), (466, 30466), (472, 30487), (486, 30529), (494, 30568), (509, 30628), (577, 30868), (587, 30901), (588, 30904), (605, 30937), (608, 30943), (635, 31006),

Gene: YouGoGlencoco_31 Start: 28760, Stop: 31015, Start Num: 28

Candidate Starts for YouGoGlencoco_31:

(Start: 28 @28760 has 302 MA's), (50, 28856), (70, 28934), (73, 28961), (106, 29060), (141, 29219), (182, 29399), (187, 29423), (205, 29513), (207, 29519), (217, 29555), (230, 29594), (234, 29603), (240, 29636), (248, 29675), (260, 29720), (275, 29771), (284, 29822), (285, 29831), (300, 29900), (322, 29975), (340, 30020), (344, 30035), (379, 30170), (393, 30224), (398, 30245), (413, 30278), (425, 30323), (439, 30377), (448, 30404), (466, 30461), (472, 30482), (486, 30524), (494, 30563), (509, 30623), (577, 30863), (587, 30896), (588, 30899), (605, 30932), (608, 30938), (635, 31001),

Gene: Yuna_28 Start: 20819, Stop: 23209, Start Num: 16

Candidate Starts for Yuna_28:

(Start: 16 @20819 has 68 MA's), (Start: 31 @20867 has 1 MA's), (40, 20906), (42, 20918), (80, 21059), (119, 21113), (121, 21125), (137, 21179), (142, 21200), (151, 21251), (152, 21257), (174, 21347), (175, 21353), (195, 21440), (207, 21482), (208, 21485), (219, 21533), (222, 21542), (231, 21569), (235, 21578), (240, 21608), (253, 21665), (276, 21761), (278, 21773), (297, 21878), (319, 21947), (329, 21986), (339, 22016), (371, 22139), (379, 22160), (402, 22244), (419, 22295), (420, 22298), (421, 22301), (432, 22340), (445, 22394), (457, 22451), (489, 22553), (490, 22565), (516, 22682), (520, 22688), (532, 22730), (565, 22838), (581, 22901), (653, 23054), (654, 23057), (685, 23183),

Gene: Zaider_32 Start: 28990, Stop: 31245, Start Num: 28

Candidate Starts for Zaider_32:

(Start: 28 @28990 has 302 MA's), (50, 29086), (70, 29164), (73, 29191), (106, 29290), (141, 29449), (182, 29629), (187, 29653), (205, 29743), (207, 29749), (217, 29785), (230, 29824), (234, 29833), (240, 29866), (248, 29905), (260, 29950), (275, 30001), (284, 30052), (285, 30061), (300, 30130), (322, 30205), (340, 30250), (344, 30265), (379, 30400), (393, 30454), (398, 30475), (413, 30508), (425, 30553), (439, 30607), (448, 30634), (466, 30691), (472, 30712), (486, 30754), (494, 30793), (509, 30853), (577, 31093), (587, 31126), (588, 31129), (605, 31162), (608, 31168), (635, 31231),

Gene: Zelda_31 Start: 28756, Stop: 31011, Start Num: 28

Candidate Starts for Zelda_31:

(Start: 28 @28756 has 302 MA's), (50, 28852), (70, 28930), (73, 28957), (106, 29056), (141, 29215), (182, 29395), (187, 29419), (205, 29509), (207, 29515), (217, 29551), (230, 29590), (234, 29599), (240, 29632), (248, 29671), (260, 29716), (275, 29767), (284, 29818), (285, 29827), (300, 29896), (322, 29971), (340, 30016), (344, 30031), (379, 30166), (393, 30220), (398, 30241), (413, 30274), (425, 30319), (439, 30373), (448, 30400), (466, 30457), (472, 30478), (486, 30520), (494, 30559), (509, 30619), (577, 30859), (588, 30895), (605, 30928), (635, 30997),

Gene: Zemanar_29 Start: 28968, Stop: 31265, Start Num: 28

Candidate Starts for Zemanar_29:

(Start: 28 @28968 has 302 MA's), (50, 29067), (55, 29085), (83, 29208), (106, 29271), (120, 29352), (138, 29418), (167, 29535), (174, 29574), (185, 29625), (187, 29634), (197, 29691), (201, 29715), (202, 29718), (217, 29781), (231, 29823), (236, 29835), (261, 29958), (269, 29982), (283, 30045), (289, 30084), (310, 30156), (315, 30177), (322, 30213), (328, 30234), (351, 30300), (356, 30312),

(363, 30363), (364, 30366), (369, 30384), (376, 30408), (384, 30435), (393, 30468), (398, 30489), (413, 30522), (425, 30567), (467, 30708), (468, 30711), (472, 30723), (495, 30807), (527, 30921), (533, 30942), (540, 30966), (558, 31029), (564, 31059), (567, 31065), (577, 31113), (587, 31146), (588, 31149), (635, 31251), (636, 31254),

Gene: Zenteno07_34 Start: 28705, Stop: 31170, Start Num: 28

Candidate Starts for Zenteno07_34:

(Start: 28 @28705 has 302 MA's), (50, 28801), (55, 28819), (63, 28852), (70, 28879), (139, 29170), (158, 29257), (181, 29356), (192, 29410), (198, 29443), (205, 29473), (212, 29503), (215, 29509), (230, 29554), (236, 29569), (240, 29596), (243, 29617), (253, 29650), (256, 29662), (283, 29779), (288, 29809), (295, 29845), (307, 29884), (336, 29992), (342, 30010), (384, 30169), (395, 30205), (416, 30274), (421, 30286), (436, 30352), (454, 30421), (456, 30433), (475, 30487), (479, 30493), (481, 30499), (486, 30523), (490, 30544), (528, 30691), (539, 30736), (549, 30763), (599, 30940), (619, 30979), (627, 30994), (630, 30997), (652, 31066), (658, 31090), (662, 31111),

Gene: ZoeJ_23 Start: 18602, Stop: 20941, Start Num: 16

Candidate Starts for ZoeJ_23:

(Start: 16 @18602 has 68 MA's), (132, 18953), (134, 18962), (144, 19007), (178, 19151), (184, 19175), (222, 19334), (229, 19358), (231, 19364), (236, 19376), (240, 19403), (270, 19502), (286, 19574), (294, 19616), (295, 19622), (297, 19631), (318, 19712), (322, 19733), (335, 19775), (353, 19826), (373, 19913), (377, 19922), (402, 20012), (421, 20066), (423, 20078), (439, 20138), (455, 20198), (459, 20216), (487, 20300), (497, 20348), (514, 20417), (518, 20432), (535, 20489), (547, 20513), (553, 20537), (557, 20546), (566, 20588), (570, 20597), (596, 20684), (606, 20702), (651, 20807), (660, 20831),

Gene: Zonia_31 Start: 28779, Stop: 31034, Start Num: 28

Candidate Starts for Zonia_31:

(Start: 28 @28779 has 302 MA's), (50, 28875), (70, 28953), (73, 28980), (106, 29079), (141, 29238), (182, 29418), (187, 29442), (207, 29538), (217, 29574), (230, 29613), (234, 29622), (240, 29655), (248, 29694), (260, 29739), (275, 29790), (284, 29841), (285, 29850), (300, 29919), (322, 29994), (340, 30039), (344, 30054), (379, 30189), (393, 30243), (398, 30264), (413, 30297), (425, 30342), (439, 30396), (448, 30423), (466, 30480), (472, 30501), (486, 30543), (494, 30582), (509, 30642), (577, 30882), (588, 30918), (605, 30951), (635, 31020),