

51: Makinley	38	36	88	81	99	106	120	171	185	200	216	236	256	266	281	333	351	381	401	
52: Klaus_12	36	88	81	88	99	106	121	171	185	191	216	236	256	266	281	333	351	381	401	
53: Brandon_1	36	88	81	88	99	106	120	171	185	200	216	236	256	266	281	333	351	381	401	
54: Alisa_12	36	88	81	88	99	106	121	171	185	191	216	236	256	266	281	333	351	381	401	
55: YukiOnyx	36	88	81	88	99	106	120	171	185	200	216	236	256	266	281	333	351	381	401	
56: MidontowerBanks	36	88	81	88	99	106	120	171	185	200	216	236	256	266	281	333	351	381	401	
57: Love_14	36	88	81	88	99	106	120	171	185	191	216	236	256	266	281	333	351	381	401	
58: JiaGang	36	81	71	81	88	99	120	140	171	185	216	236	256	266	281	316	333	351	381	401
59: InaGang	36	81	71	81	88	99	120	140	171	185	216	236	256	266	281	316	333	351	381	401
60: HuiGang	36	81	71	81	88	99	120	140	171	185	216	236	256	266	281	316	333	351	381	401
61: MajaGang	36	81	71	81	88	99	120	140	171	185	216	236	256	266	281	316	333	351	381	411
62: Elvone	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	333	351	381	401	
63: HuiGang	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
64: Dander	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
65: Kater	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
66: Gabe	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
67: Doctor	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
68: Tadus	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
69: Vito	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
70: Alisa	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
71: BigHun	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
72: Pumpkin	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
73: Zhen	36	81	81	88	99	106	130	171	185	200	216	236	256	266	281	316	333	351	381	401
74: Zhen	36	81	81	88	99	106	141	171	185	216	236	256	266	281	316	333	351	381	401	
75: Li	36	81	81	88	99	106	153	171	185	200	216	236	256	266	281	316	333	351	381	416
76: Godon	36	81	81	88	99	106	153	171	185	200	216	236	256	266	281	316	333	351	381	416
77: Phendix	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
78: BlueNG	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
79: GM/AZ	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
80: Sixam	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
81: Shrub	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
82: Beag	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
83: Anac	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
84: Litter	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
85: Jete	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
86: Busep	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
87: Sholig	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
88: Clean	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
89: Jolip	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
90: Pipe	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
91: Sundry	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
92: Noodl	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
93: Gina	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
94: Mega	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
95: KaiHa	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
96: Phedw	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
97: Lucret	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
98: Giop	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
99: Pulch	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416
100: Brazz	36	81	81	88	99	106	117	131	153	171	200	216	236	256	266	281	316	333	351	416

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 294366 Report

This analysis was run 04/18/26 on database version 643.

Pham number 294366 has 323 members, 56 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_17
- Track 2 : Wilde_17, Tank_17
- Track 3 : Rizwana_16
- Track 4 : Pointis_22, BetaFish_22, PhuzzTulsa_20, MellowYellow_19, RIPWilbur_20, DogYard_22, Popstraw_21, Kubulix_23
- Track 5 : Forrestell_19, RazzB_18
- Track 6 : Nikan_18, Ren19_16
- Track 7 : Beagle_23
- Track 8 : NyleyClemson_19
- Track 9 : Odyssey395_24, Pureglobe5_24
- Track 10 : Ollypop_20
- Track 11 : Hive_22
- Track 12 : BruhMoment_18
- Track 13 : AWGoat_17
- Track 14 : SilentRX_18
- Track 15 : ColdSoup_42, Jollymon_41, Amo99_42
- Track 16 : Makar_42
- Track 17 : Grumio_41
- Track 18 : KingstonB_41, Sting_40
- Track 19 : DonTron_41, Soos_37
- Track 20 : Stillion_41
- Track 21 : Purplicious_39
- Track 22 : Clawz_41
- Track 23 : Barb_12, Salvador_12, Twister6_12, Danyall_12, KimmyK_12, CoveyB_12, Fugax_12, Togo_12, Evamon_12, Mutzi_12, ClamChowder_12, SmokingBunny_12, PinkCoffee_12
- Track 24 : Jambalaya_12, Savbucketdawg_12, TillyBobJoe_12, Shinji_12, Portcullis_12
- Track 25 : YungMoney_12
- Track 26 : Arri_13
- Track 27 : VanDeWege_13
- Track 28 : RogerDodger_13
- Track 29 : Gezellig_12, Phlop_12, Egi03_12, Wizard_12, Fireball_13, PullumCavea_12
- Track 30 : CherryCola_13, Valary_13
- Track 31 : Nubi_12
- Track 32 : Bakery_13

- Track 33 : Halo3_13
- Track 34 : Clown_16
- Track 35 : Stultus_12
- Track 36 : Kewpiedoll_13, Sanjuju_11, Fitzgerald_11, Jabberwocky_11
- Track 37 : Sedona_13, ChadMasterC_12, Vivi2_11, FuegoCuervo_16, Barsten_13, Geodirt_12
- Track 38 : Saronaya_12, Kwobi_12, LilHam_10, SchottB_11, Gustavo_12, Ribeye_13, Ashertheman_12, Bizzy_13
- Track 39 : Paries_13, BobBob_10, Charming_10, Tangent_10, Brandonk123_15
- Track 40 : Tycho_12, Flatwoods_13
- Track 41 : Fosterous_10
- Track 42 : Galadriel_14, Bibwit_12, Rofo_12, Nordenberg_7
- Track 43 : Shivanishola_12
- Track 44 : Ailee_12, Angelicage_12, Keitabear_13
- Track 45 : Kamashten_13, Thing3_13
- Track 46 : Tangerine_12, Gaea_12, StorminNorm_12, Baumdotcom_12
- Track 47 : Lennon_13, Sitar_13
- Track 48 : McCrothy_13
- Track 49 : Derg_8
- Track 50 : RiverRaider_13
- Track 51 : McKinley_13
- Track 52 : Kroos_12
- Track 53 : Baddon_12
- Track 54 : Affeca_12
- Track 55 : YorkOnyx_12
- Track 56 : MoontowerMania_11
- Track 57 : Love_14
- Track 58 : JKSyngboy_11
- Track 59 : Inspectinfecti_14, Leonard_13, Phinally_13, Ali17_11
- Track 60 : Hans_15, Phauci_6
- Track 61 : MelBins_13
- Track 62 : EMoore_7
- Track 63 : Tiamoceli_14, RoadKill_11, EdmundFerry_12, Twonlo_11, Chickadee_13
- Track 64 : Dextert_14
- Track 65 : Kwekel_13
- Track 66 : GTE6_14
- Track 67 : DoctorFroggo_14, Verity_14, Delrey21_14
- Track 68 : Tardus_14
- Track 69 : ViaConlectus_14, Natkenzie_14, Abblin_14, Sampson_14, Scioto_14
- Track 70 : APunk_15
- Track 71 : BigHunkinEater_16
- Track 72 : Pumpkiney_15
- Track 73 : Zipp_14
- Track 74 : Zitch_15
- Track 75 : Lilbeanie_13
- Track 76 : GodonK_66
- Track 77 : Phendrix_65
- Track 78 : BlueNGold_76, Boopy_77, Mareelih_76, Forza_77
- Track 79 : GMA2_9
- Track 80 : Sixama_72
- Track 81 : Shrubaron_20, Metamorphoo_20
- Track 82 : BeagleBug_19, Onika_19
- Track 83 : Ariadne_28

- Track 84 : LittleFortune_21, Yeti_20, Phorgeous_19
- Track 85 : Jefe_20
- Track 86 : Busephilis_20, Hermeonysus_19
- Track 87 : Shotgun_19, Rockwell_19, CrazyRich_19, Ramiel05_19, Kowalski_19, Savannah_19
- Track 88 : ClearAsMud_22
- Track 89 : Jollipop_20
- Track 90 : PiperSansNom_20
- Track 91 : Sunny_, Merry_
- Track 92 : NoodlelyBoi_19
- Track 93 : Gina_20, Teamocil_20
- Track 94 : Megan_13
- Track 95 : KaiHaiDragon_20, EarickHC_20
- Track 96 : PhedwardCullen_18
- Track 97 : Lucretia_20
- Track 98 : Glorp_21
- Track 99 : Pulchra_21
- Track 100 : BrazzalePHS_19
- Track 101 : Selwyn23_21
- Track 102 : Skugga_18
- Track 103 : Smarties_28
- Track 104 : Paschalis_19, PierreOrion_20
- Track 105 : Piperis_20
- Track 106 : Fireman_20
- Track 107 : Tyrumbra_18
- Track 108 : RobsFeet_21
- Track 109 : SirFrank_19
- Track 110 : Scumberland_21, Phrancesco_21, Honeyfin_21
- Track 111 : Jayden_20
- Track 112 : Nicole72_14
- Track 113 : Crisis_21
- Track 114 : Cranjis_21
- Track 115 : Ganandorf_19
- Track 116 : Quhwah_22
- Track 117 : Zapato_17
- Track 118 : Antares_20
- Track 119 : Sillytadpoles_21, Quammi_20, Zagie_22, DonaldDuck_21, Llemily_21, StrawberryJamm_24, Casend_23, Wheelie_21, FrankDeliGuy_19, SlySloth_24, Tissue_22, Teehee_23, Viceroy_21, WheelerS25_27, Judebell_24, Phabia_22, Rudy_20, Lonelysoil_21, Jehoshaphat_24, Wayne3_23
- Track 120 : KillerQueen_22, RobinRose_23, Tempo_21, Kelcole_20, Fregley_22, Romm_23
- Track 121 : Fizzles_22
- Track 122 : Gazebo_21, Blab_20
- Track 123 : Statler_23, BabyDotz_21, Rowlf_18, Mila11_25, BaconCheese_25
- Track 124 : MorillMayhem_21
- Track 125 : Mentos_26, Mashley_20, Hyperion_21, Grassboy_23, Kyva_24
- Track 126 : EverythinBagel_21
- Track 127 : RubyRalph_24, Fransoyer_24
- Track 128 : BirdInFrench_21, Wilca_21
- Track 129 : Pepe25_20
- Track 130 : Nike_22, Squash_24
- Track 131 : Marcie_26

- Track 132 : AluminumJesus_20
- Track 133 : Altheas_24
- Track 134 : CandC_20, OneinaGillian_21
- Track 135 : Phinky_28
- Track 136 : SadLad_25
- Track 137 : Zhafia_24, Namago_22
- Track 138 : SallyK_23
- Track 139 : Cinna_12
- Track 140 : MementoMori_13
- Track 141 : Margaery_12
- Track 142 : Terij_13
- Track 143 : Cressida_13
- Track 144 : Matzah_13
- Track 145 : Kozie_14
- Track 146 : KSunshine22_70, Emmetator_68, Ellewin_64, BooTeria_72, Artu_68
- Track 147 : DunneganBoMo_65, WaddleDee_63
- Track 148 : Talia1610_76
- Track 149 : Chilliams_73
- Track 150 : LeoJr_75, ReginaGlobina_75, Atuin_70
- Track 151 : FloraSnap32_75
- Track 152 : Phrampa_68
- Track 153 : Rockabye_78
- Track 154 : FrostedClock_79, Bloom_80
- Track 155 : Racecar_77, Mimi_76, Patbob_74
- Track 156 : Panchaali_68
- Track 157 : GoldenEssence_62
- Track 158 : Stewart25555_66
- Track 159 : SJReid_79
- Track 160 : Boise_13
- Track 161 : RomansRevenge_13
- Track 162 : A3Wally_82, PauloDiaboli_82, Dodo_82
- Track 163 : Zooman_67
- Track 164 : Big4_71
- Track 165 : Erasmago_75
- Track 166 : Cece_66
- Track 167 : Pumpernickel_80
- Track 168 : MisoSoup_11
- Track 169 : FuzzBuster_24
- Track 170 : Laure_78
- Track 171 : Kithara_22
- Track 172 : Tonitrus_26
- Track 173 : Sunfish_26

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

The start number called the most often in the published annotations is 5, it was called in 110 of the 267 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- APunk_15, Abblin_14, Affeca_12, Ailee_12, Ali17_11, Angelicage_12, Arri_13, Ashertheman_12, Baddon_12, Bakery_13, Barb_12, Barsten_13, Baumdotcom_12, Bibwit_12, BigHunkinEater_16, Bizzy_13, BobBob_10, Brandonk123_15, ChadMasterC_12, Charming_10, CherryCola_13, Chickadee_13, ClamChowder_12, Clown_16, CoveyB_12, Danyall_12, Delrey21_14, Derg_8, Dexdert_14, DoctorFroggo_14, EMOore_7, EdmundFerry_12, Egi03_12, Evamon_12, Fireball_13, Fitzgerald_11, Flatwoods_13, Fosterous_10, FuegoCuervo_16, Fugax_12, GTE6_14, Gaea_12, Galadriel_14, Geodirt_12, Gezellig_12, Gustavo_12, Halo3_13, Hans_15, Inspectinfecti_14, JKSyngboy_11, Jabberwocky_11, Jambalaya_12, Kamashten_13, Keitabear_13, Kewpiedoll_13, KimmyK_12, Kroos_12, Kwekel_13, Kwobi_12, Lennon_13, Leonard_13, LilHam_10, Love_14, McCrothy_13, McKinley_13, MelBins_13, MoontowerMania_11, Mutzi_12, Natkenzie_14, Nordenberg_7, Nubi_12, Paries_13, Phauci_6, Phinally_13, Phlop_12, PinkCoffee_12, Portcullis_12, PullumCavea_12, Pumpkiney_15, Ribeye_13, RiverRaider_13, RoadKill_11, Rofo_12, RogerDodger_13, Salvador_12, Sampson_14, Sanjuju_11, Saronaya_12, Savbucketdawg_12, SchottB_11, Scioto_14, Sedona_13, Shinji_12, Shivanishola_12, Sitar_13, SmokingBunny_12, StorminNorm_12, Stultus_12, Tangent_10, Tangerine_12, Tardus_14, Thing3_13, Tiamoceli_14, TillyBobJoe_12, Togo_12, Twister6_12, Twonlo_11, Tycho_12, Valary_13, VanDeWege_13, Verity_14, ViaConlectus_14, Vivi2_11, Wizard_12, YorkOnyx_12, YungMoney_12, Zipp_14, Zitch_15,

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

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

- A3Wally_82, AWGoat_17, Altheas_24, AluminumJesus_20, Amo99_42, Antares_20, Ariadne_28, Artu_68, Atuin_70, BabyDotz_21, BaconCheese_25, BeagleBug_19, Beagle_23, BetaFish_22, Big4_71, BirdInFrench_21, Blab_20, Bloom_80, BlueNGold_76, Boise_13, BooTeria_72, Boopy_77, BrazzalePHS_19, BruhMoment_18, Busephilis_20, CandC_20, Casend_23, Cece_66, Chilliams_73, Cinna_12, Clawz_41, ClearAsMud_22, ColdSoup_42, Cranjis_21, CrazyRich_19, Cressida_13, Crisis_21, Dodo_82, DogYard_22, DonTron_41, DonaldDuck_21, DunneganBoMo_65, EarickHC_20, Ellewin_64, Emmetator_68, Erasmago_75, EverythinBagel_21, Fireman_20, Fizzles_22, FloraSnap32_75, Forrestell_19, Forza_77, FrankDeliGuy_19, Fransoyer_24, Fregley_22, FrostedClock_79, FuzzBuster_24, GMA2_9, Ganandorf_19, Gazebo_21, Gina_20, Glorp_21, GodonK_66, GoldenEssence_62, Grassboy_23, Grumio_41, Hermeonysus_19, Hive_22, Honeyfin_21, Hyperion_21, Jayden_20, Jefe_20, Jehoshaphat_24, Jollipop_20, Jollymon_41, Judebell_24, KSunshine22_70, KaiHaiDragon_20, Kelcole_20, KillerQueen_22, KingstonB_41, Kithara_22, Kowalski_19, Kozi_14, Kubulix_23, Kyva_24, Laure_78, LeoJr_75, Lilbeanie_13, LittleFortune_21, Llemily_21, Lonelysoil_21, Lucretia_20, Makar_42, Marcie_26, Mareelih_76, Margaery_12, Mashley_20, Matzah_13, Megan_13, MellowYellow_19, MementoMori_13, Mentos_26, Merry_, Metamorphoo_20, Mila11_25, Mimi_76, MisoSoup_11, MorillMayhem_21, Namago_22, Nicole72_14, Nikan_18, Nike_22, NoodlelyBoi_19, NyleyClemson_19, Odyssey395_24, Ollypop_20, OneinaGillian_21, Onika_19, Panchaali_68, Paschalis_19, Patbob_74, PauloDiaboli_82, Pepe25_20, Phabia_22, PhedwardCullen_18, Phendrix_65, Phinky_28, Phorgeous_19, Phrampa_68, Phrancesco_21, PhuzzTulsa_20, PierreOrion_20, PiperSansNom_20, Piperis_20, Pointis_22, Popstraw_21, Pulchra_21, Pumpernickel_80, Pureglobe5_24, Purplicious_39, Quammi_20, Quhwah_22, RIPWilbur_20, Racecar_77, Ramiel05_19, Ranunculus_17, RazzB_18, ReginaGlobina_75, Ren19_16, Rizwana_16,

RobinRose_23, RobsFeet_21, Rockabye_78, Rockwell_19, RomansRevenge_13, Romm_23, Rowlf_18, RubyRalph_24, Rudy_20, SJReid_79, SadLad_25, SallyK_23, Savannah_19, Scumberland_21, Selwyn23_21, Shotgun_19, Shrubaron_20, SilentRX_18, Sillytadpoles_21, SirFrank_19, Sixama_72, Skugga_18, SlySloth_24, Smarties_28, Soos_37, Squash_24, Statler_23, Stewart25555_66, Stillion_41, Sting_40, StrawberryJamm_24, Sunfish_26, Sunny_, Talia1610_76, Tank_17, Teamocil_20, Teehee_23, Tempo_21, Terij_13, Tissue_22, Tonitrus_26, Tyumbra_18, Viceroy_21, WaddleDee_63, Wayne3_23, WheelerS25_27, Wheelie_21, Wilca_21, Wilde_17, Yeti_20, Zagie_22, Zapato_17, Zhafia_24, Zooman_67,

Summary by start number:

Start 2:

- Found in 2 of 323 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 267
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Merry_ (EC), Sunny_ (EC),

Start 3:

- Found in 1 of 323 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 267
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_13 (DE5),

Start 5:

- Found in 118 of 323 (36.5%) of genes in pham
- Manual Annotations of this start: 110 of 267
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_15 (DE4), Abblin_14 (DE4), Affeca_12 (DE1), Ailee_12 (DE1), Ali17_11 (DE2), Angelicage_12 (DE1), Arri_13 (DC1), Ashertheman_12 (DE1), Baddon_12 (DE1), Bakery_13 (DC1), Barb_12 (DC1), Barsten_13 (DE1), Baumdotcom_12 (DE1), Bibwit_12 (DE1), BigHunkinEater_16 (DE4), Bizzy_13 (DE1), BobBob_10 (DE1), Brandonk123_15 (DE1), ChadMasterC_12 (DE1), Charming_10 (DE1), CherryCola_13 (DC1), Chickadee_13 (DE3), ClamChowder_12 (DC1), Clown_16 (DC2), CoveyB_12 (DC1), Danyall_12 (DC1), Delrey21_14 (DE4), Derg_8 (DE1), Dextert_14 (DE3), DoctorFroggo_14 (DE4), EMoore_7 (DE2), EdmundFerry_12 (DE3), Egi03_12 (DC1), Evamon_12 (DC1), Fireball_13 (DC1), Fitzgerald_11 (DE1), Flatwoods_13 (DE1), Fosterous_10 (DE1), FuegoCuervo_16 (DE1), Fugax_12 (DC1), GTE6_14 (DE3), Gaea_12 (DE1), Galadriel_14 (DE1), Geodirt_12 (DE1), Gezellig_12 (DC1), Gustavo_12 (DE1), Halo3_13 (DC1), Hans_15 (DE2), Inspectinfecti_14 (DE2), JKSyngboy_11 (DE1), Jabberwocky_11 (DE1), Jambalaya_12 (DC1), Kamashten_13 (DE1), Keitabear_13 (DE1), Kewpiedoll_13 (DE1), KimmyK_12 (DC1), Kroos_12 (DE1), Kwekel_13 (DE3), Kwobi_12 (DE1), Lennon_13 (DE1), Leonard_13 (DE2), LilHam_10 (DE1), Love_14 (DE1), McCrothy_13 (DE1), McKinley_13 (DE1), MelBins_13 (DE2), MoontowerMania_11 (DE1), Mutzi_12 (DC1), Natkenzie_14 (DE4), Nordenberg_7 (DE1), Nubi_12 (DC1), Paries_13 (DE1), Phauci_6 (DE2), Phinally_13 (DE2), Phlop_12 (DC1), PinkCoffee_12 (DC1), Portcullis_12 (DC1), PullumCavea_12 (DC1), Pumpkiney_15 (DE4), Ribeye_13 (DE1), RiverRaider_13 (DE1), RoadKill_11 (DE3), Rofo_12 (DE1), RogerDodger_13 (DC1), Salvador_12 (DC1), Sampson_14 (DE4), Sanjuju_11 (DE1), Saronaya_12 (DE1), Savbucketdawg_12 (DC1), SchottB_11 (DE1), Scioto_14 (DE4), Sedona_13 (DE1),

Shinji_12 (DC1), Shivanishola_12 (DE1), Sitar_13 (DE1), SmokingBunny_12 (DC1), StorminNorm_12 (DE1), Stultus_12 (DE1), Tangent_10 (DE1), Tangerine_12 (DE1), Tardus_14 (DE4), Thing3_13 (DE1), Tiamoceli_14 (DE3), TillyBobJoe_12 (DC1), Togo_12 (DC1), Twister6_12 (DC1), Twonlo_11 (DE3), Tycho_12 (DE1), Valary_13 (DC1), VanDeWege_13 (DC1), Verity_14 (DE4), ViaConlectus_14 (DE4), Vivi2_11 (DE1), Wizard_12 (DC1), YorkOnyx_12 (DE1), YungMoney_12 (DC1), Zipp_14 (DE4), Zitch_15 (DE4),

Start 13:

- Found in 62 of 323 (19.2%) of genes in pham
- Manual Annotations of this start: 39 of 267
- Called 71.0% of time when present
- Phage (with cluster) where this start called: Antares_20 (EC), BeagleBug_19 (EC), Busephilis_20 (EC), ClearAsMud_22 (EC), Cranjis_21 (EC), CrazyRich_19 (EC), Crisis_21 (EC), FuzzBuster_24 (GM), Gina_20 (EC), Hermeonysus_19 (EC), Honeyfin_21 (EC), Jayden_20 (EC), Jefe_20 (EC), Jollipop_20 (EC), Kowalski_19 (EC), LittleFortune_21 (EC), Lucretia_20 (EC), Megan_13 (EC), MementoMori_13 (EI), Metamorphoo_20 (EC), Nicole72_14 (EC), NoodlelyBoi_19 (EC), Onika_19 (EC), Paschalis_19 (EC), Phorgeous_19 (EC), Phrancesco_21 (EC), PierreOrion_20 (EC), PiperSansNom_20 (EC), Piperis_20 (EC), Pulchra_21 (EC), Quhwah_22 (EC), Ramiel05_19 (EC), RobsFeet_21 (EC), Rockwell_19 (EC), Savannah_19 (EC), Scumberland_21 (EC), Selwyn23_21 (EC), Shotgun_19 (EC), Shrubaron_20 (EC), SirFrank_19 (EC), Skugga_18 (EC), Smarties_28 (EC), Teamocil_20 (EC), Yeti_20 (EC),

Start 15:

- Found in 63 of 323 (19.5%) of genes in pham
- Manual Annotations of this start: 14 of 267
- Called 27.0% of time when present
- Phage (with cluster) where this start called: Ariadne_28 (EC), BrazzalePHS_19 (EC), Cinna_12 (EI), Cressida_13 (EI), EarickHC_20 (EC), Fireman_20 (EC), Ganandorf_19 (EC), Glorp_21 (EC), KaiHaiDragon_20 (EC), Kozie_14 (EI), Margaery_12 (EI), Matzah_13 (EI), MisoSoup_11 (GM), PhedwardCullen_18 (EC), Terij_13 (EI), Tyumbra_18 (EC), Zapato_17 (EC),

Start 19:

- Found in 2 of 323 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: GMA2_9 (DS),

Start 20:

- Found in 13 of 323 (4.0%) of genes in pham
- Manual Annotations of this start: 6 of 267
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amo99_42 (CP), Clawz_41 (CP), ColdSoup_42 (CP), DonTron_41 (CP), Grumio_41 (CP), Jollymon_41 (CP), KingstonB_41 (CP), Makar_42 (CP), Purplicious_39 (CP), Soos_37 (CP), Stillion_41 (CP), Sting_40 (CP), Tonitrus_26 (singleton),

Start 21:

- Found in 2 of 323 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 267

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Phendrix_65 (DK),

Start 25:

- Found in 1 of 323 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 267
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kithara_22 (singleton),

Start 26:

- Found in 3 of 323 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 267
- Called 66.7% of time when present
- Phage (with cluster) where this start called: GodonK_66 (DK), Sunfish_26 (singleton),

Start 27:

- Found in 13 of 323 (4.0%) of genes in pham
- Manual Annotations of this start: 5 of 267
- Called 38.5% of time when present
- Phage (with cluster) where this start called: BlueNGold_76 (DS), Boopy_77 (DS), Forza_77 (DS), Mareelih_76 (DS), Sixama_72 (DS),

Start 28:

- Found in 9 of 323 (2.8%) of genes in pham
- Manual Annotations of this start: 3 of 267
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Mimi_76 (FC), Patbob_74 (FC), Racecar_77 (FC),

Start 29:

- Found in 7 of 323 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 267
- Called 14.3% of time when present
- Phage (with cluster) where this start called: RomansRevenge_13 (FT),

Start 30:

- Found in 3 of 323 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 267
- Called 33.3% of time when present
- Phage (with cluster) where this start called: SadLad_25 (EG),

Start 32:

- Found in 24 of 323 (7.4%) of genes in pham
- Manual Annotations of this start: 8 of 267
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Atuin_70 (FC), Bloom_80 (FC), Chilliams_73 (FC), DunneganBoMo_65 (FC), FrostedClock_79 (FC), GoldenEssence_62 (FC), LeoJr_75 (FC), Panchaali_68 (FC), Phrampa_68 (FC), ReginaGlobina_75 (FC), Rockabye_78 (FC), SJReid_79 (FC), Stewart25555_66 (FC), Talia1610_76 (FC), WaddleDee_63 (FC),

Start 35:

- Found in 1 of 323 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 267
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_18 (AP3),

Start 37:

- Found in 8 of 323 (2.5%) of genes in pham
- Manual Annotations of this start: 6 of 267
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_82 (GD1), Big4_71 (GD2), Cece_66 (GD3), Dodo_82 (GD1), Erasmago_75 (GD2), PauloDiaboli_82 (GD1), Pumpernickel_80 (GD4), Zooman_67 (GD2),

Start 38:

- Found in 56 of 323 (17.3%) of genes in pham
- Manual Annotations of this start: 16 of 267
- Called 42.9% of time when present
- Phage (with cluster) where this start called: AWGoat_17 (AP4), Beagle_23 (AP2), BetaFish_22 (AP2), Boise_13 (FT), DogYard_22 (AP2), Forrestell_19 (AP2), Kubulix_23 (AP2), MellowYellow_19 (AP2), Nikan_18 (AP2), NyleyClemson_19 (AP2), Odyssey395_24 (AP2), Ollypop_20 (AP2), PhuzzTulsa_20 (AP2), Pointis_22 (AP2), Popstraw_21 (AP2), Pureglobe5_24 (AP2), RIPWilbur_20 (AP2), Ranunculus_17 (AP), RazzB_18 (AP2), Ren19_16 (AP2), Rizwana_16 (AP1), SilentRX_18 (AP4), Tank_17 (AP1), Wilde_17 (AP1),

Start 41:

- Found in 58 of 323 (18.0%) of genes in pham
- Manual Annotations of this start: 49 of 267
- Called 98.3% of time when present
- Phage (with cluster) where this start called: Altheas_24 (EG), AluminumJesus_20 (EG), BabyDotz_21 (EG), BaconCheese_25 (EG), BirdInFrench_21 (EG), Blab_20 (EG), CandC_20 (EG), Casend_23 (EG), DonaldDuck_21 (EG), EverythinBagel_21 (EG), Fizzles_22 (EG), FrankDeliGuy_19 (EG), Fransoyer_24 (EG), Fregley_22 (EG), Gazebo_21 (EG), Grassboy_23 (EG), Hyperion_21 (EG), Jehoshaphat_24 (EG), Judebell_24 (EG), Kelcole_20 (EG), KillerQueen_22 (EG), Kyva_24 (EG), Llemily_21 (EG), Lonelysoil_21 (EG), Marcie_26 (EG), Mashley_20 (EG), Mentos_26 (EG), Mila11_25 (EG), MorillMayhem_21 (EG), Namago_22 (EG), Nike_22 (EG), OneinaGillian_21 (EG), Pepe25_20 (EG), Phabia_22 (EG), Phinky_28 (EG), Quammi_20 (EG), RobinRose_23 (EG), Romm_23 (EG), Rowlf_18 (EG), RubyRalph_24 (EG), Rudy_20 (EG), SallyK_23 (EG), Sillytadpoles_21 (EG), SlySloth_24 (EG), Squash_24 (EG), Statler_23 (EG), StrawberryJamm_24 (EG), Teehee_23 (EG), Tempo_21 (EG), Tissue_22 (EG), Viceroy_21 (EG), Wayne3_23 (EG), WheelerS25_27 (EG), Wheelie_21 (EG), Wilca_21 (EG), Zagie_22 (EG), Zhafia_24 (EG),

Start 51:

- Found in 12 of 323 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 267
- Called 41.7% of time when present
- Phage (with cluster) where this start called: Artu_68 (FC), BooTeria_72 (FC), Ellewin_64 (FC), Emmetator_68 (FC), KSunshine22_70 (FC),

Start 62:

- Found in 17 of 323 (5.3%) of genes in pham
- No Manual Annotations of this start.
- Called 5.9% of time when present
- Phage (with cluster) where this start called: FloraSnap32_75 (FC),

Start 64:

- Found in 4 of 323 (1.2%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Laure_78 (UNK),

Start 87:

- Found in 25 of 323 (7.7%) of genes in pham
- No Manual Annotations of this start.
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Hive_22 (AP2),

Summary by clusters:

There are 27 clusters represented in this pham: GD1, singleton, GD3, FT, DK, AP2, AP3, AP1, GD2, AP4, FC, GD4, DS, UNK, EI, EG, EC, AP, GM, CP, DC2, DC1, DE1, DE2, DE3, DE4, DE5,

Info for manual annotations of cluster AP:

- Start number 38 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP1:

- Start number 38 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 38 was manually annotated 10 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 35 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 38 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster CP:

- Start number 20 was manually annotated 5 times for cluster CP.

Info for manual annotations of cluster DC1:

- Start number 5 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 5 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 5 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 5 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 5 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 5 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 3 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DK:

- Start number 21 was manually annotated 1 time for cluster DK.
- Start number 26 was manually annotated 1 time for cluster DK.

Info for manual annotations of cluster DS:

- Start number 27 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster EC:

- Start number 2 was manually annotated 2 times for cluster EC.
- Start number 13 was manually annotated 37 times for cluster EC.
- Start number 15 was manually annotated 8 times for cluster EC.

Info for manual annotations of cluster EG:

- Start number 30 was manually annotated 1 time for cluster EG.
- Start number 41 was manually annotated 49 times for cluster EG.

Info for manual annotations of cluster EI:

- Start number 13 was manually annotated 1 time for cluster EI.
- Start number 15 was manually annotated 6 times for cluster EI.

Info for manual annotations of cluster FC:

- Start number 28 was manually annotated 3 times for cluster FC.
- Start number 32 was manually annotated 8 times for cluster FC.
- Start number 51 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster FT:

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

Info for manual annotations of cluster GD1:

- Start number 37 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 37 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 37 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 37 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster GM:

- Start number 13 was manually annotated 1 time for cluster GM.

Gene Information:

Gene: A3Wally_82 Start: 29832, Stop: 31568, Start Num: 37

Candidate Starts for A3Wally_82:

(Start: 37 @29832 has 6 MA's), (55, 29895), (57, 29904), (78, 29982), (90, 30054), (91, 30063), (96, 30087), (99, 30096), (122, 30177), (148, 30270), (169, 30327), (194, 30450), (204, 30504), (221, 30612), (249, 30723), (255, 30765), (271, 30846), (274, 30867), (284, 30930), (290, 30990), (298, 31023), (314, 31071), (326, 31131), (345, 31242), (377, 31350), (405, 31470), (410, 31494),

Gene: APunk_15 Start: 7441, Stop: 9111, Start Num: 5

Candidate Starts for APunk_15:

(Start: 5 @7441 has 110 MA's), (17, 7516), (33, 7564), (60, 7651), (81, 7732), (85, 7762), (86, 7771), (121, 7894), (135, 7939), (169, 8011), (171, 8020), (197, 8131), (204, 8170), (208, 8188), (209, 8200), (210, 8203), (211, 8209), (221, 8284), (249, 8344), (271, 8479), (277, 8524), (284, 8563), (289, 8614), (296, 8647), (299, 8659), (300, 8662), (308, 8689), (318, 8713), (331, 8791), (337, 8842), (345, 8872), (347, 8878), (356, 8896), (368, 8935), (387, 8980),

Gene: AWGoat_17 Start: 8723, Stop: 10624, Start Num: 38

Candidate Starts for AWGoat_17:

(Start: 38 @8723 has 16 MA's), (69, 8810), (72, 8819), (80, 8852), (98, 8948), (115, 8993), (133, 9041), (140, 9065), (192, 9236), (193, 9239), (207, 9308), (217, 9386), (220, 9395), (221, 9407), (244, 9479), (247, 9491), (249, 9500), (255, 9542), (266, 9593), (272, 9626), (277, 9668), (278, 9674), (281, 9686), (323, 9908), (332, 9974), (338, 10016), (408, 10277), (419, 10328), (421, 10334), (471, 10595),

Gene: Abblin_14 Start: 6957, Stop: 8627, Start Num: 5

Candidate Starts for Abblin_14:

(Start: 5 @6957 has 110 MA's), (17, 7032), (22, 7053), (33, 7080), (60, 7167), (81, 7248), (85, 7278), (86, 7287), (103, 7362), (108, 7374), (121, 7410), (135, 7455), (169, 7527), (171, 7536), (197, 7647), (204, 7686), (206, 7695), (208, 7704), (209, 7716), (210, 7719), (211, 7725), (221, 7800), (246, 7848), (249, 7860), (269, 7980), (271, 7995), (277, 8040), (284, 8079), (289, 8130), (296, 8163), (299, 8175), (300, 8178), (308, 8205), (318, 8229), (331, 8307), (337, 8358), (345, 8388), (347, 8394), (368, 8451), (387, 8496),

Gene: Affeca_12 Start: 6664, Stop: 8292, Start Num: 5

Candidate Starts for Affeca_12:

(Start: 5 @6664 has 110 MA's), (Start: 38 @6784 has 16 MA's), (56, 6823), (65, 6862), (81, 6925), (99, 7018), (106, 7045), (120, 7084), (171, 7213), (185, 7273), (200, 7342), (204, 7363), (208, 7381), (210, 7396), (211, 7402), (220, 7465), (246, 7525), (249, 7537), (254, 7576), (257, 7588), (260, 7597), (263, 7630), (266, 7642), (271, 7672), (277, 7717), (280, 7732), (281, 7735), (285, 7771), (291, 7819), (294, 7828), (299, 7852), (300, 7855), (337, 8032), (357, 8089), (361, 8095), (367, 8110), (374, 8131), (392, 8179), (401, 8206),

Gene: Ailee_12 Start: 7526, Stop: 9148, Start Num: 5

Candidate Starts for Ailee_12:

(Start: 5 @7526 has 110 MA's), (Start: 38 @7646 has 16 MA's), (56, 7685), (61, 7706), (65, 7724), (81, 7787), (99, 7880), (106, 7907), (120, 7946), (171, 8075), (185, 8135), (200, 8204), (204, 8225), (208, 8243), (210, 8258), (211, 8264), (220, 8327), (246, 8387), (249, 8399), (254, 8438), (257, 8450), (260, 8459), (263, 8492), (266, 8504), (271, 8534), (277, 8579), (280, 8594), (281, 8597), (285, 8633), (291, 8681), (294, 8690), (300, 8717), (337, 8894), (357, 8951), (361, 8957), (367, 8972), (374, 8993), (377, 8999), (392, 9035), (401, 9062),

Gene: Ali17_11 Start: 6421, Stop: 8055, Start Num: 5

Candidate Starts for Ali17_11:

(Start: 5 @6421 has 110 MA's), (9, 6448), (12, 6457), (17, 6493), (Start: 29 @6535 has 1 MA's), (42, 6559), (61, 6616), (71, 6649), (81, 6694), (85, 6724), (86, 6733), (92, 6757), (95, 6772), (120, 6853), (140, 6910), (168, 6970), (171, 6982), (175, 7000), (185, 7042), (204, 7132), (208, 7150), (210, 7165), (211, 7171), (217, 7225), (221, 7246), (249, 7306), (250, 7309), (260, 7366), (261, 7390), (271, 7441), (277, 7486), (281, 7504), (284, 7525), (291, 7588), (296, 7609), (300, 7624), (318, 7675), (335, 7780), (337, 7801), (345, 7831), (354, 7849), (377, 7915), (387, 7936), (402, 7990),

Gene: Altheas_24 Start: 9157, Stop: 10980, Start Num: 41

Candidate Starts for Altheas_24:

(Start: 41 @9157 has 49 MA's), (101, 9388), (106, 9409), (115, 9433), (118, 9442), (133, 9481), (164, 9559), (170, 9577), (217, 9799), (232, 9868), (244, 9916), (271, 10060), (277, 10105), (278, 10111), (281, 10123), (288, 10183), (323, 10312), (324, 10318), (344, 10444), (359, 10489), (395, 10594), (420, 10684), (429, 10720), (434, 10738), (446, 10783), (472, 10957),

Gene: AluminumJesus_20 Start: 8498, Stop: 10324, Start Num: 41

Candidate Starts for AluminumJesus_20:

(Start: 41 @8498 has 49 MA's), (118, 8783), (133, 8822), (135, 8834), (164, 8900), (170, 8918), (208, 9068), (210, 9083), (217, 9140), (244, 9257), (246, 9266), (271, 9401), (277, 9446), (278, 9452), (281, 9464), (288, 9524), (323, 9653), (324, 9659), (327, 9686), (344, 9785), (359, 9830), (420, 10025), (429, 10061), (434, 10079), (446, 10124),

Gene: Amo99_42 Start: 18192, Stop: 20150, Start Num: 20

Candidate Starts for Amo99_42:

(Start: 20 @18192 has 6 MA's), (39, 18237), (59, 18288), (66, 18315), (112, 18504), (175, 18663), (196, 18756), (209, 18831), (220, 18900), (221, 18912), (222, 18918), (242, 19020), (244, 19053), (257, 19125), (258, 19128), (264, 19158), (271, 19197), (278, 19248), (284, 19281), (316, 19425), (317, 19428), (324, 19458), (339, 19566), (350, 19602), (353, 19611), (397, 19746), (429, 19860), (449, 19950), (470, 20103), (476, 20142),

Gene: Angelicage_12 Start: 7093, Stop: 8715, Start Num: 5

Candidate Starts for Angelicage_12:

(Start: 5 @7093 has 110 MA's), (Start: 38 @7213 has 16 MA's), (56, 7252), (61, 7273), (65, 7291), (81, 7354), (99, 7447), (106, 7474), (120, 7513), (171, 7642), (185, 7702), (200, 7771), (204, 7792), (208, 7810), (210, 7825), (211, 7831), (220, 7894), (246, 7954), (249, 7966), (254, 8005), (257, 8017), (260, 8026), (263, 8059), (266, 8071), (271, 8101), (277, 8146), (280, 8161), (281, 8164), (285, 8200), (291, 8248), (294, 8257), (300, 8284), (337, 8461), (357, 8518), (361, 8524), (367, 8539), (374, 8560), (377, 8566), (392, 8602), (401, 8629),

Gene: Antares_20 Start: 8653, Stop: 10359, Start Num: 13

Candidate Starts for Antares_20:

(Start: 13 @8653 has 39 MA's), (Start: 15 @8662 has 14 MA's), (18, 8677), (53, 8776), (55, 8782), (82, 8887), (84, 8899), (106, 9004), (110, 9016), (124, 9070), (132, 9088), (144, 9142), (157, 9172), (169, 9211), (174, 9229), (175, 9238), (183, 9274), (196, 9337), (208, 9400), (213, 9427), (217, 9472), (249, 9574), (250, 9577), (255, 9616), (260, 9634), (273, 9706), (283, 9772), (284, 9781), (288, 9820), (294, 9853), (301, 9886), (303, 9892), (313, 9922), (340, 10075), (345, 10090), (352, 10111), (353, 10114), (422, 10318), (424, 10327),

Gene: Ariadne_28 Start: 10109, Stop: 11824, Start Num: 15

Candidate Starts for Ariadne_28:

(Start: 13 @10100 has 39 MA's), (Start: 15 @10109 has 14 MA's), (55, 10229), (82, 10334), (84, 10346), (103, 10445), (124, 10517), (132, 10535), (181, 10715), (183, 10721), (187, 10745), (196,

10784), (208, 10847), (213, 10874), (217, 10919), (249, 11021), (250, 11024), (255, 11063), (257, 11072), (266, 11114), (273, 11153), (283, 11219), (284, 11228), (285, 11243), (288, 11267), (301, 11333), (303, 11339), (313, 11366), (340, 11519), (346, 11537), (359, 11579), (366, 11603), (373, 11624), (394, 11660), (431, 11801), (436, 11813),

Gene: Arri_13 Start: 5627, Stop: 7213, Start Num: 5

Candidate Starts for Arri_13:

(Start: 5 @5627 has 110 MA's), (82, 5879), (86, 5909), (120, 6026), (127, 6047), (133, 6062), (193, 6236), (202, 6278), (206, 6302), (207, 6305), (215, 6344), (224, 6416), (249, 6476), (250, 6479), (251, 6482), (255, 6518), (257, 6527), (259, 6533), (260, 6536), (271, 6599), (277, 6644), (283, 6674), (288, 6722), (300, 6779), (302, 6788), (306, 6800), (324, 6857), (331, 6908),

Gene: Artu_68 Start: 28004, Stop: 29578, Start Num: 51

Candidate Starts for Artu_68:

(Start: 32 @27944 has 8 MA's), (Start: 51 @28004 has 1 MA's), (140, 28361), (194, 28550), (196, 28559), (240, 28763), (249, 28811), (279, 28991), (290, 29078), (310, 29144), (313, 29156), (363, 29387), (388, 29474), (425, 29567),

Gene: Ashertheman_12 Start: 6272, Stop: 7900, Start Num: 5

Candidate Starts for Ashertheman_12:

(Start: 5 @6272 has 110 MA's), (Start: 38 @6395 has 16 MA's), (46, 6416), (65, 6473), (81, 6536), (85, 6566), (99, 6629), (106, 6656), (171, 6824), (191, 6911), (199, 6950), (204, 6974), (208, 6992), (210, 7007), (211, 7013), (220, 7076), (249, 7148), (254, 7187), (266, 7253), (271, 7283), (277, 7328), (280, 7343), (281, 7346), (285, 7382), (291, 7430), (294, 7439), (300, 7466), (308, 7493), (323, 7538), (334, 7613), (337, 7643), (341, 7661), (357, 7700), (361, 7706), (367, 7721), (374, 7742), (377, 7748), (392, 7784), (402, 7817),

Gene: Atuin_70 Start: 31058, Stop: 32686, Start Num: 32

Candidate Starts for Atuin_70:

(Start: 32 @31058 has 8 MA's), (92, 31298), (140, 31475), (196, 31673), (223, 31835), (240, 31877), (241, 31889), (249, 31925), (279, 32105), (290, 32192), (313, 32270), (363, 32501), (388, 32588), (412, 32636), (425, 32675),

Gene: BabyDotz_21 Start: 8763, Stop: 10589, Start Num: 41

Candidate Starts for BabyDotz_21:

(Start: 41 @8763 has 49 MA's), (118, 9048), (133, 9087), (164, 9165), (170, 9183), (208, 9333), (210, 9348), (217, 9405), (232, 9474), (244, 9522), (246, 9531), (271, 9666), (277, 9711), (278, 9717), (281, 9729), (288, 9789), (323, 9918), (324, 9924), (327, 9951), (344, 10050), (359, 10095), (420, 10290), (429, 10326), (434, 10344), (446, 10389),

Gene: BaconCheese_25 Start: 9916, Stop: 11742, Start Num: 41

Candidate Starts for BaconCheese_25:

(Start: 41 @9916 has 49 MA's), (118, 10201), (133, 10240), (164, 10318), (170, 10336), (208, 10486), (210, 10501), (217, 10558), (232, 10627), (244, 10675), (246, 10684), (271, 10819), (277, 10864), (278, 10870), (281, 10882), (288, 10942), (323, 11071), (324, 11077), (327, 11104), (344, 11203), (359, 11248), (420, 11443), (429, 11479), (434, 11497), (446, 11542),

Gene: Baddon_12 Start: 6982, Stop: 8613, Start Num: 5

Candidate Starts for Baddon_12:

(Start: 5 @6982 has 110 MA's), (Start: 38 @7105 has 16 MA's), (46, 7126), (65, 7183), (81, 7246), (85, 7276), (99, 7339), (106, 7366), (168, 7522), (171, 7534), (191, 7621), (199, 7660), (204, 7684), (208, 7702), (210, 7717), (211, 7723), (220, 7786), (249, 7858), (252, 7870), (254, 7897), (260, 7918), (266, 7963), (271, 7993), (277, 8038), (280, 8053), (281, 8056), (285, 8092), (291, 8140), (294, 8149), (323,

8248), (331, 8305), (334, 8323), (337, 8353), (341, 8371), (357, 8410), (361, 8416), (367, 8431), (374, 8452), (377, 8458), (392, 8497),

Gene: Bakery_13 Start: 5328, Stop: 6914, Start Num: 5

Candidate Starts for Bakery_13:

(Start: 5 @5328 has 110 MA's), (34, 5442), (74, 5544), (86, 5610), (93, 5643), (121, 5730), (127, 5748), (206, 6003), (207, 6006), (215, 6045), (224, 6117), (249, 6177), (250, 6180), (251, 6183), (254, 6216), (255, 6219), (257, 6228), (259, 6234), (260, 6237), (271, 6300), (277, 6345), (283, 6375), (288, 6423), (300, 6480), (302, 6489), (306, 6501), (324, 6558), (331, 6609),

Gene: Barb_12 Start: 5583, Stop: 7169, Start Num: 5

Candidate Starts for Barb_12:

(Start: 5 @5583 has 110 MA's), (82, 5835), (86, 5865), (120, 5982), (127, 6003), (133, 6018), (193, 6192), (202, 6234), (206, 6258), (207, 6261), (215, 6300), (224, 6372), (249, 6432), (250, 6435), (251, 6438), (255, 6474), (257, 6483), (259, 6489), (260, 6492), (271, 6555), (277, 6600), (283, 6630), (288, 6678), (300, 6735), (306, 6756), (317, 6783), (318, 6786), (324, 6813), (331, 6864), (337, 6912),

Gene: Barsten_13 Start: 6478, Stop: 8100, Start Num: 5

Candidate Starts for Barsten_13:

(Start: 5 @6478 has 110 MA's), (56, 6637), (65, 6676), (81, 6739), (99, 6832), (106, 6859), (120, 6898), (171, 7027), (185, 7087), (200, 7156), (204, 7177), (208, 7195), (210, 7210), (211, 7216), (220, 7279), (246, 7339), (249, 7351), (254, 7390), (257, 7402), (260, 7411), (263, 7444), (266, 7456), (271, 7486), (277, 7531), (280, 7546), (281, 7549), (285, 7585), (291, 7633), (294, 7642), (300, 7669), (337, 7846), (357, 7903), (361, 7909), (367, 7924), (374, 7945), (377, 7951), (392, 7987), (401, 8014),

Gene: Baumdotcom_12 Start: 6295, Stop: 7923, Start Num: 5

Candidate Starts for Baumdotcom_12:

(Start: 5 @6295 has 110 MA's), (Start: 38 @6418 has 16 MA's), (46, 6439), (65, 6496), (81, 6559), (85, 6589), (99, 6652), (106, 6679), (171, 6847), (191, 6934), (199, 6973), (204, 6997), (208, 7015), (210, 7030), (211, 7036), (220, 7099), (249, 7171), (254, 7210), (266, 7276), (271, 7306), (277, 7351), (280, 7366), (281, 7369), (285, 7405), (291, 7453), (294, 7462), (300, 7489), (308, 7516), (323, 7561), (331, 7618), (334, 7636), (337, 7666), (341, 7684), (357, 7723), (361, 7729), (367, 7744), (374, 7765), (377, 7771), (392, 7807), (402, 7840),

Gene: Beagle_23 Start: 9245, Stop: 11137, Start Num: 38

Candidate Starts for Beagle_23:

(Start: 38 @9245 has 16 MA's), (42, 9254), (58, 9293), (87, 9416), (91, 9434), (114, 9509), (140, 9584), (206, 9827), (249, 10019), (278, 10193), (281, 10205), (307, 10355), (323, 10406), (327, 10439), (328, 10445), (333, 10478), (338, 10514), (345, 10541), (358, 10580), (364, 10601), (368, 10613), (370, 10619), (434, 10883), (459, 11000), (471, 11096),

Gene: BeagleBug_19 Start: 8461, Stop: 10137, Start Num: 13

Candidate Starts for BeagleBug_19:

(Start: 13 @8461 has 39 MA's), (Start: 15 @8470 has 14 MA's), (53, 8584), (55, 8590), (82, 8695), (84, 8707), (103, 8806), (106, 8812), (110, 8824), (124, 8878), (132, 8896), (144, 8950), (157, 8980), (169, 9019), (174, 9037), (175, 9046), (183, 9082), (196, 9145), (208, 9208), (213, 9235), (217, 9280), (249, 9382), (250, 9385), (255, 9424), (260, 9442), (273, 9514), (283, 9580), (284, 9589), (288, 9628), (294, 9661), (301, 9694), (303, 9700), (313, 9730), (317, 9745), (340, 9883), (345, 9898), (352, 9919), (353, 9922),

Gene: BetaFish_22 Start: 9448, Stop: 11340, Start Num: 38

Candidate Starts for BetaFish_22:

(Start: 38 @9448 has 16 MA's), (42, 9457), (58, 9496), (87, 9619), (91, 9637), (104, 9688), (114, 9712), (140, 9787), (206, 10030), (249, 10222), (278, 10396), (281, 10408), (307, 10558), (323, 10609), (327, 10642), (328, 10648), (333, 10681), (338, 10717), (345, 10744), (358, 10783), (364, 10804), (368, 10816), (434, 11086), (459, 11203), (471, 11299),

Gene: Bibwit_12 Start: 7349, Stop: 8971, Start Num: 5

Candidate Starts for Bibwit_12:

(Start: 5 @7349 has 110 MA's), (56, 7508), (65, 7547), (81, 7610), (99, 7703), (106, 7730), (120, 7769), (171, 7898), (185, 7958), (200, 8027), (204, 8048), (208, 8066), (210, 8081), (211, 8087), (220, 8150), (246, 8210), (249, 8222), (254, 8261), (257, 8273), (260, 8282), (266, 8327), (271, 8357), (277, 8402), (280, 8417), (281, 8420), (285, 8456), (291, 8504), (294, 8513), (300, 8540), (337, 8717), (357, 8774), (361, 8780), (367, 8795), (374, 8816), (377, 8822), (392, 8858), (401, 8885),

Gene: Big4_71 Start: 29132, Stop: 30859, Start Num: 37

Candidate Starts for Big4_71:

(Start: 37 @29132 has 6 MA's), (Start: 51 @29186 has 1 MA's), (57, 29210), (71, 29261), (79, 29297), (98, 29399), (113, 29450), (122, 29483), (140, 29549), (194, 29756), (204, 29810), (249, 30026), (266, 30119), (271, 30149), (284, 30233), (287, 30269), (290, 30293), (298, 30326), (302, 30341), (345, 30545), (346, 30548), (347, 30551), (363, 30602), (405, 30773),

Gene: BigHunkinEater_16 Start: 6888, Stop: 8561, Start Num: 5

Candidate Starts for BigHunkinEater_16:

(Start: 5 @6888 has 110 MA's), (17, 6963), (33, 7011), (60, 7098), (81, 7179), (85, 7209), (86, 7218), (121, 7341), (135, 7386), (169, 7458), (171, 7467), (197, 7578), (199, 7593), (204, 7617), (208, 7635), (209, 7647), (210, 7650), (211, 7656), (221, 7731), (246, 7779), (249, 7791), (271, 7926), (277, 7971), (284, 8010), (289, 8061), (296, 8094), (299, 8106), (300, 8109), (308, 8136), (318, 8160), (331, 8238), (337, 8289), (345, 8319), (347, 8325), (368, 8382), (387, 8427),

Gene: BirdInFrench_21 Start: 7665, Stop: 9464, Start Num: 41

Candidate Starts for BirdInFrench_21:

(Start: 41 @7665 has 49 MA's), (133, 7980), (144, 8010), (170, 8076), (226, 8343), (238, 8388), (254, 8475), (264, 8520), (270, 8556), (277, 8604), (278, 8610), (281, 8622), (285, 8658), (288, 8682), (323, 8817), (338, 8925), (343, 8946), (369, 9027), (420, 9165), (429, 9201), (447, 9267), (458, 9336), (463, 9369), (472, 9438),

Gene: Bizzy_13 Start: 6469, Stop: 8097, Start Num: 5

Candidate Starts for Bizzy_13:

(Start: 5 @6469 has 110 MA's), (Start: 38 @6592 has 16 MA's), (46, 6613), (65, 6670), (81, 6733), (85, 6763), (99, 6826), (106, 6853), (171, 7021), (191, 7108), (199, 7147), (204, 7171), (208, 7189), (210, 7204), (211, 7210), (220, 7273), (249, 7345), (254, 7384), (266, 7450), (271, 7480), (277, 7525), (280, 7540), (281, 7543), (285, 7579), (291, 7627), (294, 7636), (300, 7663), (308, 7690), (323, 7735), (334, 7810), (337, 7840), (341, 7858), (357, 7897), (361, 7903), (367, 7918), (374, 7939), (377, 7945), (392, 7981), (402, 8014),

Gene: Blab_20 Start: 8374, Stop: 10200, Start Num: 41

Candidate Starts for Blab_20:

(Start: 41 @8374 has 49 MA's), (118, 8659), (133, 8698), (164, 8776), (170, 8794), (208, 8944), (210, 8959), (217, 9016), (244, 9133), (246, 9142), (271, 9277), (277, 9322), (278, 9328), (281, 9340), (288, 9400), (323, 9529), (324, 9535), (327, 9562), (344, 9661), (359, 9706), (420, 9901), (429, 9937), (434, 9955), (446, 10000),

Gene: Bloom_80 Start: 33695, Stop: 35374, Start Num: 32

Candidate Starts for Bloom_80:

(Start: 28 @33689 has 3 MA's), (Start: 32 @33695 has 8 MA's), (62, 33800), (90, 33923), (92, 33935), (124, 34058), (196, 34310), (204, 34355), (239, 34511), (240, 34520), (241, 34532), (249, 34568), (253, 34589), (283, 34766), (355, 35120), (376, 35186), (379, 35192), (412, 35318), (414, 35327), (425, 35363),

Gene: BlueNGold_76 Start: 31373, Stop: 33103, Start Num: 27

Candidate Starts for BlueNGold_76:

(Start: 27 @31373 has 5 MA's), (57, 31451), (73, 31505), (76, 31517), (92, 31604), (95, 31619), (117, 31709), (137, 31784), (159, 31874), (201, 32069), (204, 32087), (205, 32090), (208, 32105), (210, 32120), (214, 32135), (216, 32162), (222, 32201), (265, 32372), (271, 32405), (278, 32456), (282, 32471), (283, 32480), (292, 32555), (293, 32558), (298, 32582), (346, 32807), (351, 32822), (360, 32852), (375, 32900), (379, 32915), (380, 32921),

Gene: BobBob_10 Start: 6015, Stop: 7637, Start Num: 5

Candidate Starts for BobBob_10:

(Start: 5 @6015 has 110 MA's), (56, 6174), (65, 6213), (81, 6276), (99, 6369), (106, 6396), (120, 6435), (169, 6555), (171, 6564), (185, 6624), (200, 6693), (204, 6714), (208, 6732), (210, 6747), (211, 6753), (220, 6816), (246, 6876), (249, 6888), (254, 6927), (257, 6939), (260, 6948), (266, 6993), (271, 7023), (277, 7068), (280, 7083), (281, 7086), (285, 7122), (291, 7170), (294, 7179), (300, 7206), (337, 7383), (357, 7440), (361, 7446), (367, 7461), (374, 7482), (377, 7488), (392, 7524), (401, 7551),

Gene: Boise_13 Start: 6378, Stop: 8228, Start Num: 38

Candidate Starts for Boise_13:

(Start: 29 @6363 has 1 MA's), (Start: 38 @6378 has 16 MA's), (63, 6444), (69, 6462), (90, 6561), (91, 6570), (92, 6573), (94, 6585), (95, 6588), (105, 6621), (116, 6648), (133, 6693), (172, 6795), (179, 6822), (184, 6837), (192, 6876), (198, 6909), (203, 6927), (206, 6945), (220, 7035), (221, 7047), (244, 7131), (249, 7152), (255, 7194), (266, 7245), (277, 7320), (278, 7326), (281, 7338), (290, 7419), (297, 7449), (309, 7485), (323, 7530), (338, 7638), (400, 7845), (414, 7881), (433, 7950), (444, 7998), (451, 8037), (459, 8082), (471, 8178),

Gene: BooTeria_72 Start: 28459, Stop: 30033, Start Num: 51

Candidate Starts for BooTeria_72:

(Start: 32 @28399 has 8 MA's), (Start: 51 @28459 has 1 MA's), (140, 28816), (194, 29005), (196, 29014), (240, 29218), (249, 29266), (279, 29446), (290, 29533), (310, 29599), (313, 29611), (363, 29842), (388, 29929), (425, 30022),

Gene: Boopy_77 Start: 31385, Stop: 33115, Start Num: 27

Candidate Starts for Boopy_77:

(Start: 27 @31385 has 5 MA's), (57, 31463), (73, 31517), (76, 31529), (92, 31616), (95, 31631), (117, 31721), (137, 31796), (159, 31886), (201, 32081), (204, 32099), (205, 32102), (208, 32117), (210, 32132), (214, 32147), (216, 32174), (222, 32213), (265, 32384), (271, 32417), (278, 32468), (282, 32483), (283, 32492), (292, 32567), (293, 32570), (298, 32594), (346, 32819), (351, 32834), (360, 32864), (375, 32912), (379, 32927), (380, 32933),

Gene: Brandonk123_15 Start: 7162, Stop: 8784, Start Num: 5

Candidate Starts for Brandonk123_15:

(Start: 5 @7162 has 110 MA's), (56, 7321), (65, 7360), (81, 7423), (99, 7516), (106, 7543), (120, 7582), (169, 7702), (171, 7711), (185, 7771), (200, 7840), (204, 7861), (208, 7879), (210, 7894), (211, 7900), (220, 7963), (246, 8023), (249, 8035), (254, 8074), (257, 8086), (260, 8095), (266, 8140), (271, 8170), (277, 8215), (280, 8230), (281, 8233), (285, 8269), (291, 8317), (294, 8326), (300, 8353), (337, 8530), (357, 8587), (361, 8593), (367, 8608), (374, 8629), (377, 8635), (392, 8671), (401, 8698),

Gene: BrazzalePHS_19 Start: 8484, Stop: 10151, Start Num: 15

Candidate Starts for BrazzalePHS_19:

(Start: 13 @8475 has 39 MA's), (Start: 15 @8484 has 14 MA's), (53, 8598), (55, 8604), (82, 8709), (84, 8721), (103, 8820), (106, 8826), (110, 8838), (124, 8892), (132, 8910), (144, 8964), (157, 8994), (169, 9033), (174, 9051), (175, 9060), (183, 9096), (196, 9159), (208, 9222), (213, 9249), (249, 9396), (250, 9399), (255, 9438), (260, 9456), (273, 9528), (283, 9594), (284, 9603), (294, 9675), (301, 9708), (303, 9714), (313, 9744), (317, 9759), (340, 9897), (345, 9912), (352, 9933), (353, 9936),

Gene: BruhMoment_18 Start: 8617, Stop: 10521, Start Num: 35

Candidate Starts for BruhMoment_18:

(Start: 35 @8617 has 1 MA's), (39, 8626), (91, 8815), (115, 8890), (133, 8938), (140, 8962), (171, 9040), (185, 9103), (217, 9283), (220, 9292), (221, 9304), (244, 9379), (247, 9391), (249, 9400), (254, 9439), (266, 9493), (277, 9568), (281, 9586), (323, 9787), (338, 9895), (367, 9991), (410, 10177), (421, 10219), (433, 10264), (460, 10402), (471, 10483),

Gene: Busephilis_20 Start: 8414, Stop: 10090, Start Num: 13

Candidate Starts for Busephilis_20:

(Start: 13 @8414 has 39 MA's), (Start: 15 @8423 has 14 MA's), (53, 8537), (55, 8543), (82, 8648), (84, 8660), (103, 8759), (106, 8765), (110, 8777), (124, 8831), (132, 8849), (144, 8903), (157, 8933), (169, 8972), (174, 8990), (175, 8999), (183, 9035), (196, 9098), (208, 9161), (213, 9188), (249, 9335), (250, 9338), (255, 9377), (260, 9395), (273, 9467), (283, 9533), (284, 9542), (294, 9614), (301, 9647), (303, 9653), (313, 9683), (317, 9698), (340, 9836), (345, 9851), (352, 9872), (353, 9875),

Gene: CandC_20 Start: 7351, Stop: 9150, Start Num: 41

Candidate Starts for CandC_20:

(Start: 41 @7351 has 49 MA's), (75, 7450), (114, 7615), (133, 7666), (144, 7696), (170, 7762), (226, 8029), (238, 8074), (254, 8161), (256, 8170), (264, 8206), (270, 8242), (277, 8290), (278, 8296), (281, 8308), (285, 8344), (288, 8368), (323, 8503), (338, 8611), (343, 8632), (369, 8713), (373, 8722), (415, 8833), (420, 8851), (429, 8887), (447, 8953), (458, 9022), (463, 9055), (473, 9130),

Gene: Casend_23 Start: 9100, Stop: 10926, Start Num: 41

Candidate Starts for Casend_23:

(Start: 41 @9100 has 49 MA's), (84, 9250), (118, 9385), (133, 9424), (164, 9502), (170, 9520), (208, 9670), (210, 9685), (217, 9742), (232, 9811), (244, 9859), (246, 9868), (271, 10003), (277, 10048), (278, 10054), (281, 10066), (288, 10126), (323, 10255), (324, 10261), (327, 10288), (344, 10387), (359, 10432), (420, 10627), (429, 10663), (434, 10681), (446, 10726),

Gene: Cece_66 Start: 27502, Stop: 29211, Start Num: 37

Candidate Starts for Cece_66:

(Start: 37 @27502 has 6 MA's), (55, 27565), (57, 27574), (91, 27733), (152, 27946), (173, 28012), (194, 28117), (204, 28171), (217, 28258), (248, 28384), (249, 28390), (261, 28462), (271, 28513), (284, 28597), (290, 28657), (342, 28900), (347, 28915), (352, 28930), (358, 28951), (360, 28957), (381, 29038), (410, 29125),

Gene: ChadMasterC_12 Start: 6750, Stop: 8372, Start Num: 5

Candidate Starts for ChadMasterC_12:

(Start: 5 @6750 has 110 MA's), (56, 6909), (65, 6948), (81, 7011), (99, 7104), (106, 7131), (120, 7170), (171, 7299), (185, 7359), (200, 7428), (204, 7449), (208, 7467), (210, 7482), (211, 7488), (220, 7551), (246, 7611), (249, 7623), (254, 7662), (257, 7674), (260, 7683), (263, 7716), (266, 7728), (271, 7758), (277, 7803), (280, 7818), (281, 7821), (285, 7857), (291, 7905), (294, 7914), (300, 7941), (337, 8118), (357, 8175), (361, 8181), (367, 8196), (374, 8217), (377, 8223), (392, 8259), (401, 8286),

Gene: Charming_10 Start: 6017, Stop: 7639, Start Num: 5

Candidate Starts for Charming_10:

(Start: 5 @6017 has 110 MA's), (56, 6176), (65, 6215), (81, 6278), (99, 6371), (106, 6398), (120, 6437), (169, 6557), (171, 6566), (185, 6626), (200, 6695), (204, 6716), (208, 6734), (210, 6749), (211, 6755), (220, 6818), (246, 6878), (249, 6890), (254, 6929), (257, 6941), (260, 6950), (266, 6995), (271, 7025), (277, 7070), (280, 7085), (281, 7088), (285, 7124), (291, 7172), (294, 7181), (300, 7208), (337, 7385), (357, 7442), (361, 7448), (367, 7463), (374, 7484), (377, 7490), (392, 7526), (401, 7553),

Gene: CherryCola_13 Start: 5819, Stop: 7405, Start Num: 5

Candidate Starts for CherryCola_13:

(Start: 5 @5819 has 110 MA's), (34, 5933), (74, 6035), (86, 6101), (93, 6134), (121, 6221), (127, 6239), (133, 6254), (195, 6434), (206, 6494), (207, 6497), (215, 6536), (224, 6608), (249, 6668), (250, 6671), (251, 6674), (255, 6710), (257, 6719), (259, 6725), (260, 6728), (271, 6791), (277, 6836), (283, 6866), (288, 6914), (300, 6971), (306, 6992), (317, 7019), (318, 7022), (324, 7049), (331, 7100), (337, 7148),

Gene: Chickadee_13 Start: 5786, Stop: 7462, Start Num: 5

Candidate Starts for Chickadee_13:

(Start: 5 @5786 has 110 MA's), (11, 5819), (Start: 27 @5897 has 5 MA's), (47, 5951), (81, 6083), (85, 6113), (102, 6191), (108, 6209), (135, 6290), (169, 6362), (171, 6371), (185, 6431), (208, 6539), (209, 6551), (210, 6554), (211, 6560), (249, 6695), (250, 6698), (260, 6755), (271, 6830), (277, 6875), (281, 6893), (284, 6914), (288, 6953), (291, 6977), (296, 6998), (300, 7013), (318, 7064), (323, 7085), (337, 7190), (345, 7220), (356, 7244), (357, 7247), (387, 7325),

Gene: Chilliams_73 Start: 34081, Stop: 35706, Start Num: 32

Candidate Starts for Chilliams_73:

(Start: 32 @34081 has 8 MA's), (57, 34162), (64, 34189), (90, 34306), (92, 34318), (110, 34387), (169, 34579), (180, 34621), (206, 34747), (216, 34813), (239, 34888), (250, 34948), (274, 35089), (283, 35143), (284, 35152), (290, 35212), (345, 35464), (355, 35497), (367, 35536), (379, 35569), (384, 35596), (425, 35695),

Gene: Cinna_12 Start: 5856, Stop: 7613, Start Num: 15

Candidate Starts for Cinna_12:

(Start: 13 @5847 has 39 MA's), (Start: 15 @5856 has 14 MA's), (44, 5940), (54, 5976), (62, 6009), (82, 6087), (84, 6099), (85, 6108), (87, 6120), (89, 6126), (103, 6198), (106, 6204), (134, 6300), (144, 6342), (151, 6372), (158, 6402), (169, 6438), (171, 6447), (174, 6456), (175, 6465), (192, 6546), (194, 6552), (196, 6561), (208, 6624), (213, 6651), (217, 6696), (231, 6747), (249, 6798), (255, 6840), (260, 6858), (262, 6873), (273, 6930), (284, 7005), (286, 7029), (302, 7113), (303, 7116), (317, 7161), (324, 7191), (330, 7239), (346, 7320), (352, 7338), (353, 7341), (374, 7410), (385, 7434), (426, 7569), (431, 7593),

Gene: ClamChowder_12 Start: 5583, Stop: 7169, Start Num: 5

Candidate Starts for ClamChowder_12:

(Start: 5 @5583 has 110 MA's), (82, 5835), (86, 5865), (120, 5982), (127, 6003), (133, 6018), (193, 6192), (202, 6234), (206, 6258), (207, 6261), (215, 6300), (224, 6372), (249, 6432), (250, 6435), (251, 6438), (255, 6474), (257, 6483), (259, 6489), (260, 6492), (271, 6555), (277, 6600), (283, 6630), (288, 6678), (300, 6735), (306, 6756), (317, 6783), (318, 6786), (324, 6813), (331, 6864), (337, 6912),

Gene: Clawz_41 Start: 18090, Stop: 20060, Start Num: 20

Candidate Starts for Clawz_41:

(Start: 20 @18090 has 6 MA's), (39, 18135), (59, 18186), (92, 18330), (111, 18402), (144, 18489), (175, 18564), (182, 18600), (196, 18657), (209, 18732), (221, 18813), (236, 18885), (237, 18888), (242, 18918), (244, 18951), (258, 19026), (264, 19056), (271, 19095), (278, 19146), (284, 19179), (294, 19251), (316, 19323), (317, 19326), (324, 19356), (335, 19434), (339, 19464), (353, 19509), (386, 19602), (414, 19710), (418, 19725), (429, 19767), (448, 19845), (456, 19896), (459, 19914), (476, 20052),

Gene: ClearAsMud_22 Start: 9173, Stop: 10873, Start Num: 13

Candidate Starts for ClearAsMud_22:

(Start: 13 @9173 has 39 MA's), (Start: 15 @9182 has 14 MA's), (55, 9302), (82, 9407), (84, 9419), (103, 9518), (106, 9524), (109, 9533), (124, 9590), (132, 9608), (144, 9662), (150, 9686), (155, 9689), (163, 9713), (169, 9731), (174, 9749), (175, 9758), (183, 9794), (196, 9857), (208, 9920), (213, 9947), (217, 9992), (249, 10094), (250, 10097), (255, 10136), (260, 10154), (273, 10226), (283, 10292), (284, 10301), (288, 10340), (301, 10406), (303, 10412), (313, 10442), (340, 10595), (346, 10613), (353, 10634), (359, 10655), (360, 10658), (366, 10679), (422, 10832),

Gene: Clown_16 Start: 8860, Stop: 10452, Start Num: 5

Candidate Starts for Clown_16:

(Start: 5 @8860 has 110 MA's), (86, 9139), (117, 9247), (119, 9253), (120, 9256), (127, 9277), (133, 9292), (211, 9565), (215, 9577), (216, 9601), (223, 9646), (224, 9649), (249, 9706), (254, 9745), (255, 9748), (257, 9757), (259, 9763), (271, 9829), (277, 9874), (283, 9904), (288, 9952), (300, 10009), (306, 10030), (308, 10036), (317, 10057), (318, 10060), (323, 10081), (324, 10087), (362, 10264),

Gene: ColdSoup_42 Start: 18192, Stop: 20150, Start Num: 20

Candidate Starts for ColdSoup_42:

(Start: 20 @18192 has 6 MA's), (39, 18237), (59, 18288), (66, 18315), (112, 18504), (175, 18663), (196, 18756), (209, 18831), (220, 18900), (221, 18912), (222, 18918), (242, 19020), (244, 19053), (257, 19125), (258, 19128), (264, 19158), (271, 19197), (278, 19248), (284, 19281), (316, 19425), (317, 19428), (324, 19458), (339, 19566), (350, 19602), (353, 19611), (397, 19746), (429, 19860), (449, 19950), (470, 20103), (476, 20142),

Gene: CoveyB_12 Start: 5455, Stop: 7041, Start Num: 5

Candidate Starts for CoveyB_12:

(Start: 5 @5455 has 110 MA's), (82, 5707), (86, 5737), (120, 5854), (127, 5875), (133, 5890), (193, 6064), (202, 6106), (206, 6130), (207, 6133), (215, 6172), (224, 6244), (249, 6304), (250, 6307), (251, 6310), (255, 6346), (257, 6355), (259, 6361), (260, 6364), (271, 6427), (277, 6472), (283, 6502), (288, 6550), (300, 6607), (306, 6628), (317, 6655), (318, 6658), (324, 6685), (331, 6736), (337, 6784),

Gene: Cranjis_21 Start: 8638, Stop: 10314, Start Num: 13

Candidate Starts for Cranjis_21:

(Start: 13 @8638 has 39 MA's), (Start: 15 @8647 has 14 MA's), (18, 8662), (53, 8761), (55, 8767), (82, 8872), (84, 8884), (103, 8983), (106, 8989), (110, 9001), (124, 9055), (132, 9073), (144, 9127), (157, 9157), (169, 9196), (174, 9214), (175, 9223), (183, 9259), (196, 9322), (208, 9385), (213, 9412), (249, 9559), (250, 9562), (255, 9601), (260, 9619), (273, 9691), (283, 9757), (284, 9766), (288, 9805), (294, 9838), (301, 9871), (303, 9877), (313, 9907), (317, 9922), (340, 10060), (345, 10075), (352, 10096), (353, 10099),

Gene: CrazyRich_19 Start: 8448, Stop: 10124, Start Num: 13

Candidate Starts for CrazyRich_19:

(Start: 13 @8448 has 39 MA's), (Start: 15 @8457 has 14 MA's), (53, 8571), (55, 8577), (82, 8682), (84, 8694), (103, 8793), (106, 8799), (110, 8811), (124, 8865), (132, 8883), (144, 8937), (157, 8967), (169, 9006), (174, 9024), (175, 9033), (183, 9069), (196, 9132), (208, 9195), (213, 9222), (249, 9369), (250, 9372), (255, 9411), (260, 9429), (273, 9501), (283, 9567), (284, 9576), (294, 9648), (301, 9681), (303, 9687), (313, 9717), (317, 9732), (340, 9870), (345, 9885), (352, 9906), (353, 9909),

Gene: Cressida_13 Start: 6076, Stop: 7833, Start Num: 15

Candidate Starts for Cressida_13:

(Start: 13 @6067 has 39 MA's), (Start: 15 @6076 has 14 MA's), (44, 6160), (62, 6232), (82, 6310), (84, 6322), (85, 6331), (87, 6343), (89, 6349), (103, 6421), (106, 6427), (134, 6523), (144, 6565), (158,

6625), (160, 6628), (169, 6661), (171, 6670), (174, 6679), (175, 6688), (192, 6769), (194, 6775), (196, 6784), (208, 6847), (213, 6874), (217, 6919), (249, 7021), (254, 7060), (260, 7081), (262, 7096), (273, 7153), (284, 7228), (286, 7252), (302, 7336), (303, 7339), (306, 7348), (317, 7384), (324, 7414), (325, 7420), (330, 7462), (346, 7543), (352, 7561), (353, 7564), (373, 7630), (374, 7633),

Gene: Crisis_21 Start: 8432, Stop: 10108, Start Num: 13

Candidate Starts for Crisis_21:

(Start: 13 @8432 has 39 MA's), (Start: 15 @8441 has 14 MA's), (18, 8456), (53, 8555), (55, 8561), (82, 8666), (84, 8678), (103, 8777), (106, 8783), (110, 8795), (124, 8849), (132, 8867), (144, 8921), (157, 8951), (169, 8990), (174, 9008), (175, 9017), (183, 9053), (196, 9116), (208, 9179), (213, 9206), (249, 9353), (250, 9356), (255, 9395), (260, 9413), (273, 9485), (283, 9551), (284, 9560), (294, 9632), (301, 9665), (303, 9671), (313, 9701), (317, 9716), (340, 9854), (345, 9869), (352, 9890), (353, 9893),

Gene: Danyall_12 Start: 5455, Stop: 7041, Start Num: 5

Candidate Starts for Danyall_12:

(Start: 5 @5455 has 110 MA's), (82, 5707), (86, 5737), (120, 5854), (127, 5875), (133, 5890), (193, 6064), (202, 6106), (206, 6130), (207, 6133), (215, 6172), (224, 6244), (249, 6304), (250, 6307), (251, 6310), (255, 6346), (257, 6355), (259, 6361), (260, 6364), (271, 6427), (277, 6472), (283, 6502), (288, 6550), (300, 6607), (306, 6628), (317, 6655), (318, 6658), (324, 6685), (331, 6736), (337, 6784),

Gene: Delrey21_14 Start: 7230, Stop: 8897, Start Num: 5

Candidate Starts for Delrey21_14:

(Start: 5 @7230 has 110 MA's), (17, 7305), (22, 7326), (33, 7353), (60, 7440), (81, 7521), (85, 7551), (108, 7647), (114, 7662), (121, 7683), (128, 7704), (135, 7728), (169, 7800), (171, 7809), (197, 7920), (199, 7935), (204, 7959), (208, 7977), (210, 7992), (211, 7998), (221, 8073), (249, 8133), (271, 8268), (277, 8313), (284, 8352), (289, 8403), (296, 8436), (299, 8448), (300, 8451), (303, 8463), (308, 8478), (318, 8502), (323, 8523), (331, 8580), (337, 8631), (345, 8661), (347, 8667), (368, 8724), (387, 8769), (401, 8817),

Gene: Derg_8 Start: 5599, Stop: 7227, Start Num: 5

Candidate Starts for Derg_8:

(Start: 5 @5599 has 110 MA's), (Start: 38 @5722 has 16 MA's), (46, 5743), (65, 5800), (81, 5863), (85, 5893), (99, 5956), (106, 5983), (171, 6151), (191, 6238), (199, 6277), (204, 6301), (208, 6319), (210, 6334), (211, 6340), (220, 6403), (249, 6475), (254, 6514), (260, 6535), (266, 6580), (271, 6610), (277, 6655), (280, 6670), (281, 6673), (285, 6709), (291, 6757), (294, 6766), (300, 6793), (308, 6820), (323, 6865), (334, 6940), (337, 6970), (341, 6988), (357, 7027), (361, 7033), (367, 7048), (374, 7069), (377, 7075), (392, 7111), (402, 7144),

Gene: Dxdert_14 Start: 6244, Stop: 7917, Start Num: 5

Candidate Starts for Dxdert_14:

(Start: 5 @6244 has 110 MA's), (9, 6271), (Start: 27 @6352 has 5 MA's), (81, 6538), (85, 6568), (102, 6646), (108, 6664), (135, 6745), (169, 6817), (171, 6826), (185, 6886), (208, 6994), (209, 7006), (210, 7009), (211, 7015), (249, 7150), (250, 7153), (260, 7210), (271, 7285), (277, 7330), (281, 7348), (283, 7360), (288, 7408), (291, 7432), (296, 7453), (300, 7468), (318, 7519), (337, 7645), (345, 7675), (357, 7702),

Gene: DoctorFroggo_14 Start: 7230, Stop: 8897, Start Num: 5

Candidate Starts for DoctorFroggo_14:

(Start: 5 @7230 has 110 MA's), (17, 7305), (22, 7326), (33, 7353), (60, 7440), (81, 7521), (85, 7551), (108, 7647), (114, 7662), (121, 7683), (128, 7704), (135, 7728), (169, 7800), (171, 7809), (197, 7920), (199, 7935), (204, 7959), (208, 7977), (210, 7992), (211, 7998), (221, 8073), (249, 8133), (271, 8268), (277, 8313), (284, 8352), (289, 8403), (296, 8436), (299, 8448), (300, 8451), (303, 8463), (308, 8478), (318, 8502), (323, 8523), (331, 8580), (337, 8631), (345, 8661), (347, 8667), (368, 8724), (387, 8769),

(401, 8817),

Gene: Dodo_82 Start: 30154, Stop: 31890, Start Num: 37

Candidate Starts for Dodo_82:

(Start: 37 @30154 has 6 MA's), (55, 30217), (57, 30226), (78, 30304), (90, 30376), (91, 30385), (96, 30409), (99, 30418), (122, 30499), (148, 30592), (169, 30649), (194, 30772), (204, 30826), (221, 30934), (249, 31045), (255, 31087), (271, 31168), (274, 31189), (284, 31252), (290, 31312), (298, 31345), (314, 31393), (326, 31453), (345, 31564), (377, 31672), (405, 31792), (410, 31816),

Gene: DogYard_22 Start: 9315, Stop: 11207, Start Num: 38

Candidate Starts for DogYard_22:

(Start: 38 @9315 has 16 MA's), (42, 9324), (58, 9363), (87, 9486), (91, 9504), (104, 9555), (114, 9579), (140, 9654), (206, 9897), (249, 10089), (278, 10263), (281, 10275), (307, 10425), (323, 10476), (327, 10509), (328, 10515), (333, 10548), (338, 10584), (345, 10611), (358, 10650), (364, 10671), (368, 10683), (434, 10953), (459, 11070), (471, 11166),

Gene: DonTron_41 Start: 18262, Stop: 20220, Start Num: 20

Candidate Starts for DonTron_41:

(Start: 20 @18262 has 6 MA's), (39, 18307), (59, 18358), (66, 18385), (112, 18574), (175, 18733), (196, 18826), (209, 18901), (220, 18970), (221, 18982), (222, 18988), (242, 19090), (244, 19123), (257, 19195), (258, 19198), (264, 19228), (271, 19267), (284, 19351), (316, 19495), (317, 19498), (324, 19528), (339, 19636), (350, 19672), (353, 19681), (397, 19816), (421, 19897), (429, 19930), (449, 20020), (470, 20173), (476, 20212),

Gene: DonaldDuck_21 Start: 8446, Stop: 10272, Start Num: 41

Candidate Starts for DonaldDuck_21:

(Start: 41 @8446 has 49 MA's), (84, 8596), (118, 8731), (133, 8770), (164, 8848), (170, 8866), (208, 9016), (210, 9031), (217, 9088), (232, 9157), (244, 9205), (246, 9214), (271, 9349), (277, 9394), (278, 9400), (281, 9412), (288, 9472), (323, 9601), (324, 9607), (327, 9634), (344, 9733), (359, 9778), (420, 9973), (429, 10009), (434, 10027), (446, 10072),

Gene: DunneganBoMo_65 Start: 27824, Stop: 29458, Start Num: 32

Candidate Starts for DunneganBoMo_65:

(Start: 32 @27824 has 8 MA's), (Start: 51 @27884 has 1 MA's), (140, 28241), (194, 28430), (196, 28439), (240, 28643), (249, 28691), (279, 28871), (290, 28958), (310, 29024), (313, 29036), (363, 29267), (388, 29354), (425, 29447),

Gene: EMoore_7 Start: 4408, Stop: 6045, Start Num: 5

Candidate Starts for EMoore_7:

(Start: 5 @4408 has 110 MA's), (12, 4444), (14, 4462), (Start: 29 @4522 has 1 MA's), (42, 4546), (61, 4603), (71, 4636), (81, 4681), (85, 4711), (92, 4744), (95, 4759), (120, 4840), (168, 4957), (169, 4960), (185, 5029), (204, 5119), (206, 5128), (208, 5137), (210, 5152), (211, 5158), (217, 5212), (221, 5233), (249, 5293), (250, 5296), (260, 5353), (261, 5377), (263, 5386), (271, 5428), (277, 5473), (281, 5491), (284, 5512), (291, 5575), (296, 5596), (300, 5611), (318, 5662), (335, 5767), (337, 5788), (345, 5818), (354, 5836), (356, 5842), (368, 5878), (377, 5902), (382, 5908), (387, 5923), (402, 5980), (411, 6016),

Gene: EarickHC_20 Start: 8353, Stop: 10035, Start Num: 15

Candidate Starts for EarickHC_20:

(Start: 13 @8344 has 39 MA's), (Start: 15 @8353 has 14 MA's), (18, 8368), (53, 8467), (55, 8473), (82, 8578), (84, 8590), (103, 8689), (106, 8695), (110, 8707), (124, 8761), (132, 8779), (144, 8833), (157, 8863), (169, 8902), (174, 8920), (175, 8929), (183, 8965), (196, 9028), (208, 9091), (213, 9118), (249, 9265), (250, 9268), (255, 9307), (273, 9397), (283, 9463), (284, 9472), (294, 9544), (301, 9577), (303, 9583), (313, 9613), (317, 9628), (340, 9766), (345, 9781), (352, 9802), (353, 9805),

Gene: EdmundFerry_12 Start: 5801, Stop: 7477, Start Num: 5

Candidate Starts for EdmundFerry_12:

(Start: 5 @5801 has 110 MA's), (11, 5834), (Start: 27 @5912 has 5 MA's), (47, 5966), (81, 6098), (85, 6128), (102, 6206), (108, 6224), (135, 6305), (169, 6377), (171, 6386), (185, 6446), (208, 6554), (209, 6566), (210, 6569), (211, 6575), (249, 6710), (250, 6713), (260, 6770), (271, 6845), (277, 6890), (281, 6908), (284, 6929), (288, 6968), (291, 6992), (296, 7013), (300, 7028), (318, 7079), (323, 7100), (337, 7205), (345, 7235), (356, 7259), (357, 7262), (387, 7340),

Gene: Egi03_12 Start: 5562, Stop: 7145, Start Num: 5

Candidate Starts for Egi03_12:

(Start: 5 @5562 has 110 MA's), (34, 5676), (86, 5844), (121, 5964), (127, 5982), (133, 5997), (186, 6147), (195, 6177), (206, 6237), (207, 6240), (215, 6279), (224, 6351), (249, 6411), (250, 6414), (251, 6417), (255, 6453), (257, 6462), (259, 6468), (260, 6471), (271, 6534), (277, 6579), (283, 6609), (288, 6657), (300, 6714), (306, 6735), (308, 6741), (317, 6762), (324, 6792), (331, 6843), (337, 6891),

Gene: Ellewin_64 Start: 27611, Stop: 29185, Start Num: 51

Candidate Starts for Ellewin_64:

(Start: 32 @27551 has 8 MA's), (Start: 51 @27611 has 1 MA's), (140, 27968), (194, 28157), (196, 28166), (240, 28370), (249, 28418), (279, 28598), (290, 28685), (310, 28751), (313, 28763), (363, 28994), (388, 29081), (425, 29174),

Gene: Emmetator_68 Start: 28631, Stop: 30205, Start Num: 51

Candidate Starts for Emmetator_68:

(Start: 32 @28571 has 8 MA's), (Start: 51 @28631 has 1 MA's), (140, 28988), (194, 29177), (196, 29186), (240, 29390), (249, 29438), (279, 29618), (290, 29705), (310, 29771), (313, 29783), (363, 30014), (388, 30101), (425, 30194),

Gene: Erasmago_75 Start: 28819, Stop: 30543, Start Num: 37

Candidate Starts for Erasmago_75:

(4, 28681), (6, 28687), (7, 28690), (Start: 37 @28819 has 6 MA's), (Start: 51 @28873 has 1 MA's), (57, 28897), (71, 28948), (134, 29212), (152, 29269), (194, 29443), (204, 29497), (249, 29713), (271, 29836), (284, 29920), (290, 29980), (298, 30013), (345, 30232), (405, 30457),

Gene: Evamon_12 Start: 5436, Stop: 7022, Start Num: 5

Candidate Starts for Evamon_12:

(Start: 5 @5436 has 110 MA's), (82, 5688), (86, 5718), (120, 5835), (127, 5856), (133, 5871), (193, 6045), (202, 6087), (206, 6111), (207, 6114), (215, 6153), (224, 6225), (249, 6285), (250, 6288), (251, 6291), (255, 6327), (257, 6336), (259, 6342), (260, 6345), (271, 6408), (277, 6453), (283, 6483), (288, 6531), (300, 6588), (306, 6609), (317, 6636), (318, 6639), (324, 6666), (331, 6717), (337, 6765),

Gene: EverythinBagel_21 Start: 8840, Stop: 10666, Start Num: 41

Candidate Starts for EverythinBagel_21:

(Start: 41 @8840 has 49 MA's), (75, 8939), (84, 8990), (118, 9125), (133, 9164), (164, 9242), (170, 9260), (208, 9410), (210, 9425), (217, 9482), (232, 9551), (244, 9599), (246, 9608), (271, 9743), (277, 9788), (278, 9794), (281, 9806), (288, 9866), (323, 9995), (324, 10001), (327, 10028), (344, 10127), (359, 10172), (420, 10367), (429, 10403), (434, 10421), (446, 10466),

Gene: Fireball_13 Start: 5562, Stop: 7145, Start Num: 5

Candidate Starts for Fireball_13:

(Start: 5 @5562 has 110 MA's), (34, 5676), (86, 5844), (121, 5964), (127, 5982), (133, 5997), (186, 6147), (195, 6177), (206, 6237), (207, 6240), (215, 6279), (224, 6351), (249, 6411), (250, 6414), (251, 6417), (255, 6453), (257, 6462), (259, 6468), (260, 6471), (271, 6534), (277, 6579), (283, 6609), (288,

6657), (300, 6714), (306, 6735), (308, 6741), (317, 6762), (324, 6792), (331, 6843), (337, 6891),

Gene: Fireman_20 Start: 8089, Stop: 9774, Start Num: 15

Candidate Starts for Fireman_20:

(Start: 13 @8080 has 39 MA's), (Start: 15 @8089 has 14 MA's), (55, 8212), (82, 8317), (84, 8329), (124, 8500), (132, 8518), (143, 8569), (169, 8641), (172, 8653), (174, 8659), (175, 8668), (183, 8704), (196, 8767), (208, 8830), (213, 8857), (217, 8902), (220, 8911), (231, 8953), (249, 9004), (250, 9007), (255, 9046), (257, 9055), (260, 9064), (266, 9097), (273, 9136), (283, 9202), (284, 9211), (285, 9226), (288, 9250), (301, 9316), (303, 9322), (313, 9349), (340, 9502), (353, 9541), (359, 9562), (373, 9607), (424, 9754),

Gene: Fitzgerald_11 Start: 6943, Stop: 8565, Start Num: 5

Candidate Starts for Fitzgerald_11:

(Start: 5 @6943 has 110 MA's), (Start: 38 @7063 has 16 MA's), (56, 7102), (65, 7141), (81, 7204), (99, 7297), (106, 7324), (120, 7363), (171, 7492), (185, 7552), (200, 7621), (204, 7642), (208, 7660), (210, 7675), (211, 7681), (220, 7744), (246, 7804), (249, 7816), (254, 7855), (257, 7867), (260, 7876), (263, 7909), (266, 7921), (271, 7951), (277, 7996), (280, 8011), (281, 8014), (285, 8050), (291, 8098), (294, 8107), (300, 8134), (337, 8311), (357, 8368), (361, 8374), (367, 8389), (374, 8410), (377, 8416), (392, 8452), (401, 8479),

Gene: Fizzles_22 Start: 8440, Stop: 10269, Start Num: 41

Candidate Starts for Fizzles_22:

(Start: 41 @8440 has 49 MA's), (102, 8683), (103, 8689), (133, 8767), (164, 8845), (170, 8863), (190, 8935), (208, 9013), (210, 9028), (217, 9085), (235, 9157), (241, 9181), (244, 9193), (246, 9202), (271, 9337), (274, 9358), (277, 9382), (278, 9388), (281, 9400), (288, 9460), (300, 9520), (323, 9589), (324, 9595), (333, 9661), (344, 9721), (365, 9787), (371, 9805), (395, 9871), (420, 9970), (429, 10006), (443, 10060), (466, 10195),

Gene: Flatwoods_13 Start: 6473, Stop: 8101, Start Num: 5

Candidate Starts for Flatwoods_13:

(Start: 5 @6473 has 110 MA's), (Start: 38 @6596 has 16 MA's), (46, 6617), (65, 6674), (81, 6737), (85, 6767), (99, 6830), (106, 6857), (169, 7016), (171, 7025), (191, 7112), (199, 7151), (204, 7175), (208, 7193), (210, 7208), (211, 7214), (220, 7277), (249, 7349), (254, 7388), (266, 7454), (271, 7484), (277, 7529), (280, 7544), (281, 7547), (285, 7583), (291, 7631), (294, 7640), (300, 7667), (308, 7694), (323, 7739), (334, 7814), (337, 7844), (341, 7862), (357, 7901), (361, 7907), (367, 7922), (374, 7943), (377, 7949), (392, 7985), (402, 8018),

Gene: FloraSnap32_75 Start: 32255, Stop: 33829, Start Num: 62

Candidate Starts for FloraSnap32_75:

(Start: 28 @32144 has 3 MA's), (Start: 32 @32150 has 8 MA's), (62, 32255), (90, 32378), (92, 32390), (124, 32513), (196, 32765), (204, 32810), (239, 32966), (240, 32975), (241, 32987), (249, 33023), (253, 33044), (283, 33221), (355, 33575), (376, 33641), (379, 33647), (412, 33773), (414, 33782), (425, 33818),

Gene: Forrestell_19 Start: 7959, Stop: 9848, Start Num: 38

Candidate Starts for Forrestell_19:

(Start: 38 @7959 has 16 MA's), (42, 7968), (58, 8007), (87, 8130), (91, 8148), (104, 8199), (114, 8223), (140, 8298), (206, 8541), (249, 8733), (278, 8907), (281, 8919), (307, 9069), (323, 9120), (327, 9153), (328, 9159), (333, 9192), (338, 9228), (345, 9255), (358, 9294), (368, 9327), (434, 9594), (459, 9711), (471, 9807),

Gene: Forza_77 Start: 31301, Stop: 33031, Start Num: 27

Candidate Starts for Forza_77:

(Start: 27 @31301 has 5 MA's), (57, 31379), (73, 31433), (76, 31445), (92, 31532), (95, 31547), (117, 31637), (137, 31712), (159, 31802), (201, 31997), (204, 32015), (205, 32018), (208, 32033), (210, 32048), (214, 32063), (216, 32090), (222, 32129), (265, 32300), (271, 32333), (278, 32384), (282, 32399), (283, 32408), (292, 32483), (293, 32486), (298, 32510), (346, 32735), (351, 32750), (360, 32780), (375, 32828), (379, 32843), (380, 32849),

Gene: Fosterous_10 Start: 6015, Stop: 7637, Start Num: 5

Candidate Starts for Fosterous_10:

(Start: 5 @6015 has 110 MA's), (56, 6174), (65, 6213), (81, 6276), (99, 6369), (106, 6396), (120, 6435), (169, 6555), (171, 6564), (185, 6624), (200, 6693), (204, 6714), (208, 6732), (210, 6747), (211, 6753), (220, 6816), (246, 6876), (249, 6888), (254, 6927), (257, 6939), (260, 6948), (266, 6993), (271, 7023), (277, 7068), (280, 7083), (281, 7086), (285, 7122), (291, 7170), (294, 7179), (300, 7206), (333, 7350), (337, 7383), (357, 7440), (361, 7446), (367, 7461), (374, 7482), (377, 7488), (392, 7524), (401, 7551),

Gene: FrankDeliGuy_19 Start: 8306, Stop: 10132, Start Num: 41

Candidate Starts for FrankDeliGuy_19:

(Start: 41 @8306 has 49 MA's), (84, 8456), (118, 8591), (133, 8630), (164, 8708), (170, 8726), (208, 8876), (210, 8891), (217, 8948), (232, 9017), (244, 9065), (246, 9074), (271, 9209), (277, 9254), (278, 9260), (281, 9272), (288, 9332), (323, 9461), (324, 9467), (327, 9494), (344, 9593), (359, 9638), (420, 9833), (429, 9869), (434, 9887), (446, 9932),

Gene: Fransoyer_24 Start: 9057, Stop: 10871, Start Num: 41

Candidate Starts for Fransoyer_24:

(Start: 30 @9036 has 1 MA's), (Start: 41 @9057 has 49 MA's), (133, 9384), (139, 9402), (144, 9414), (194, 9558), (208, 9630), (212, 9654), (218, 9705), (245, 9819), (252, 9846), (255, 9876), (271, 9957), (277, 10002), (278, 10008), (281, 10020), (288, 10080), (307, 10164), (323, 10209), (324, 10215), (333, 10281), (344, 10341), (373, 10431), (395, 10491), (420, 10572), (466, 10797),

Gene: Fregley_22 Start: 7891, Stop: 9690, Start Num: 41

Candidate Starts for Fregley_22:

(Start: 41 @7891 has 49 MA's), (75, 7990), (114, 8155), (133, 8206), (144, 8236), (170, 8302), (226, 8569), (238, 8614), (254, 8701), (264, 8746), (270, 8782), (277, 8830), (278, 8836), (281, 8848), (285, 8884), (288, 8908), (323, 9043), (338, 9151), (343, 9172), (369, 9253), (373, 9262), (415, 9373), (420, 9391), (429, 9427), (447, 9493), (458, 9562), (463, 9595), (473, 9670),

Gene: FrostedClock_79 Start: 33183, Stop: 34862, Start Num: 32

Candidate Starts for FrostedClock_79:

(Start: 28 @33177 has 3 MA's), (Start: 32 @33183 has 8 MA's), (62, 33288), (90, 33411), (92, 33423), (124, 33546), (196, 33798), (204, 33843), (239, 33999), (240, 34008), (241, 34020), (249, 34056), (253, 34077), (283, 34254), (355, 34608), (376, 34674), (379, 34680), (412, 34806), (414, 34815), (425, 34851),

Gene: FuegoCuervo_16 Start: 6765, Stop: 8387, Start Num: 5

Candidate Starts for FuegoCuervo_16:

(Start: 5 @6765 has 110 MA's), (56, 6924), (65, 6963), (81, 7026), (99, 7119), (106, 7146), (120, 7185), (171, 7314), (185, 7374), (200, 7443), (204, 7464), (208, 7482), (210, 7497), (211, 7503), (220, 7566), (246, 7626), (249, 7638), (254, 7677), (257, 7689), (260, 7698), (263, 7731), (266, 7743), (271, 7773), (277, 7818), (280, 7833), (281, 7836), (285, 7872), (291, 7920), (294, 7929), (300, 7956), (337, 8133), (357, 8190), (361, 8196), (367, 8211), (374, 8232), (377, 8238), (392, 8274), (401, 8301),

Gene: Fugax_12 Start: 5583, Stop: 7169, Start Num: 5

Candidate Starts for Fugax_12:

(Start: 5 @5583 has 110 MA's), (82, 5835), (86, 5865), (120, 5982), (127, 6003), (133, 6018), (193, 6192), (202, 6234), (206, 6258), (207, 6261), (215, 6300), (224, 6372), (249, 6432), (250, 6435), (251, 6438), (255, 6474), (257, 6483), (259, 6489), (260, 6492), (271, 6555), (277, 6600), (283, 6630), (288, 6678), (300, 6735), (306, 6756), (317, 6783), (318, 6786), (324, 6813), (331, 6864), (337, 6912),

Gene: FuzzBuster_24 Start: 8570, Stop: 10354, Start Num: 13

Candidate Starts for FuzzBuster_24:

(Start: 13 @8570 has 39 MA's), (Start: 15 @8579 has 14 MA's), (36, 8636), (82, 8798), (89, 8837), (110, 8930), (156, 9086), (165, 9116), (166, 9119), (208, 9314), (213, 9341), (217, 9386), (219, 9392), (220, 9395), (224, 9419), (249, 9488), (255, 9530), (257, 9539), (258, 9542), (271, 9611), (284, 9695), (286, 9719), (302, 9803), (303, 9806), (322, 9863), (323, 9872), (324, 9878), (352, 10025), (359, 10049), (367, 10076), (373, 10094), (395, 10136), (428, 10265),

Gene: GMA2_9 Start: 6225, Stop: 7979, Start Num: 19

Candidate Starts for GMA2_9:

(19, 6225), (73, 6396), (92, 6495), (93, 6504), (102, 6543), (153, 6741), (177, 6834), (201, 6963), (204, 6981), (214, 7029), (216, 7056), (217, 7068), (242, 7143), (283, 7374), (293, 7452), (302, 7491), (348, 7707), (360, 7746), (379, 7809), (380, 7815), (388, 7851), (407, 7926),

Gene: GTE6_14 Start: 6302, Stop: 7978, Start Num: 5

Candidate Starts for GTE6_14:

(Start: 5 @6302 has 110 MA's), (11, 6335), (Start: 27 @6413 has 5 MA's), (42, 6440), (47, 6467), (81, 6599), (85, 6629), (102, 6707), (108, 6725), (135, 6806), (169, 6878), (171, 6887), (185, 6947), (208, 7055), (209, 7067), (210, 7070), (211, 7076), (249, 7211), (250, 7214), (260, 7271), (271, 7346), (277, 7391), (281, 7409), (284, 7430), (288, 7469), (291, 7493), (296, 7514), (300, 7529), (318, 7580), (323, 7601), (337, 7706), (345, 7736),

Gene: Gaea_12 Start: 6275, Stop: 7903, Start Num: 5

Candidate Starts for Gaea_12:

(Start: 5 @6275 has 110 MA's), (Start: 38 @6398 has 16 MA's), (46, 6419), (65, 6476), (81, 6539), (85, 6569), (99, 6632), (106, 6659), (171, 6827), (191, 6914), (199, 6953), (204, 6977), (208, 6995), (210, 7010), (211, 7016), (220, 7079), (249, 7151), (254, 7190), (266, 7256), (271, 7286), (277, 7331), (280, 7346), (281, 7349), (285, 7385), (291, 7433), (294, 7442), (300, 7469), (308, 7496), (323, 7541), (331, 7598), (334, 7616), (337, 7646), (341, 7664), (357, 7703), (361, 7709), (367, 7724), (374, 7745), (377, 7751), (392, 7787), (402, 7820),

Gene: Galadriel_14 Start: 6783, Stop: 8405, Start Num: 5

Candidate Starts for Galadriel_14:

(Start: 5 @6783 has 110 MA's), (56, 6942), (65, 6981), (81, 7044), (99, 7137), (106, 7164), (120, 7203), (171, 7332), (185, 7392), (200, 7461), (204, 7482), (208, 7500), (210, 7515), (211, 7521), (220, 7584), (246, 7644), (249, 7656), (254, 7695), (257, 7707), (260, 7716), (266, 7761), (271, 7791), (277, 7836), (280, 7851), (281, 7854), (285, 7890), (291, 7938), (294, 7947), (300, 7974), (337, 8151), (357, 8208), (361, 8214), (367, 8229), (374, 8250), (377, 8256), (392, 8292), (401, 8319),

Gene: Ganandorf_19 Start: 8504, Stop: 10171, Start Num: 15

Candidate Starts for Ganandorf_19:

(Start: 13 @8495 has 39 MA's), (Start: 15 @8504 has 14 MA's), (53, 8618), (55, 8624), (82, 8729), (84, 8741), (103, 8840), (106, 8846), (110, 8858), (124, 8912), (132, 8930), (144, 8984), (157, 9014), (169, 9053), (174, 9071), (175, 9080), (183, 9116), (196, 9179), (208, 9242), (213, 9269), (249, 9416), (250, 9419), (255, 9458), (260, 9476), (273, 9548), (283, 9614), (284, 9623), (294, 9695), (301, 9728), (303, 9734), (313, 9764), (317, 9779), (340, 9917), (345, 9932), (352, 9953), (353, 9956),

Gene: Gazebo_21 Start: 8940, Stop: 10766, Start Num: 41

Candidate Starts for Gazebo_21:

(Start: 41 @8940 has 49 MA's), (118, 9225), (133, 9264), (164, 9342), (170, 9360), (208, 9510), (210, 9525), (217, 9582), (244, 9699), (246, 9708), (271, 9843), (277, 9888), (278, 9894), (281, 9906), (288, 9966), (323, 10095), (324, 10101), (327, 10128), (344, 10227), (359, 10272), (420, 10467), (429, 10503), (434, 10521), (446, 10566),

Gene: Geodirt_12 Start: 6790, Stop: 8412, Start Num: 5

Candidate Starts for Geodirt_12:

(Start: 5 @6790 has 110 MA's), (56, 6949), (65, 6988), (81, 7051), (99, 7144), (106, 7171), (120, 7210), (171, 7339), (185, 7399), (200, 7468), (204, 7489), (208, 7507), (210, 7522), (211, 7528), (220, 7591), (246, 7651), (249, 7663), (254, 7702), (257, 7714), (260, 7723), (263, 7756), (266, 7768), (271, 7798), (277, 7843), (280, 7858), (281, 7861), (285, 7897), (291, 7945), (294, 7954), (300, 7981), (337, 8158), (357, 8215), (361, 8221), (367, 8236), (374, 8257), (377, 8263), (392, 8299), (401, 8326),

Gene: Gezellig_12 Start: 5562, Stop: 7145, Start Num: 5

Candidate Starts for Gezellig_12:

(Start: 5 @5562 has 110 MA's), (34, 5676), (86, 5844), (121, 5964), (127, 5982), (133, 5997), (186, 6147), (195, 6177), (206, 6237), (207, 6240), (215, 6279), (224, 6351), (249, 6411), (250, 6414), (251, 6417), (255, 6453), (257, 6462), (259, 6468), (260, 6471), (271, 6534), (277, 6579), (283, 6609), (288, 6657), (300, 6714), (306, 6735), (308, 6741), (317, 6762), (324, 6792), (331, 6843), (337, 6891),

Gene: Gina_20 Start: 7583, Stop: 9301, Start Num: 13

Candidate Starts for Gina_20:

(Start: 13 @7583 has 39 MA's), (Start: 15 @7592 has 14 MA's), (55, 7712), (82, 7817), (84, 7829), (103, 7928), (110, 7946), (124, 8000), (132, 8018), (143, 8069), (149, 8093), (163, 8123), (172, 8153), (174, 8159), (175, 8168), (183, 8204), (196, 8267), (208, 8330), (213, 8357), (217, 8402), (249, 8504), (250, 8507), (257, 8555), (260, 8564), (266, 8597), (273, 8636), (283, 8702), (284, 8711), (285, 8726), (286, 8735), (288, 8750), (289, 8762), (294, 8783), (301, 8816), (303, 8822), (313, 8852), (324, 8897), (340, 9005), (348, 9029), (359, 9065), (360, 9068), (366, 9089), (373, 9110), (420, 9245), (424, 9257), (430, 9284),

Gene: Glorp_21 Start: 8506, Stop: 10173, Start Num: 15

Candidate Starts for Glorp_21:

(Start: 13 @8497 has 39 MA's), (Start: 15 @8506 has 14 MA's), (18, 8521), (53, 8620), (55, 8626), (82, 8731), (84, 8743), (103, 8842), (106, 8848), (110, 8860), (124, 8914), (132, 8932), (144, 8986), (157, 9016), (169, 9055), (174, 9073), (175, 9082), (183, 9118), (196, 9181), (208, 9244), (213, 9271), (249, 9418), (250, 9421), (255, 9460), (260, 9478), (273, 9550), (283, 9616), (284, 9625), (294, 9697), (301, 9730), (303, 9736), (313, 9766), (317, 9781), (340, 9919), (345, 9934), (352, 9955), (353, 9958),

Gene: GodonK_66 Start: 24698, Stop: 26512, Start Num: 26

Candidate Starts for GodonK_66:

(Start: 21 @24686 has 1 MA's), (Start: 26 @24698 has 2 MA's), (44, 24743), (49, 24767), (73, 24854), (89, 24938), (90, 24941), (100, 24986), (153, 25199), (178, 25298), (182, 25322), (204, 25442), (209, 25472), (214, 25490), (216, 25517), (243, 25613), (249, 25637), (254, 25676), (258, 25691), (266, 25730), (267, 25733), (268, 25736), (275, 25784), (278, 25811), (283, 25835), (292, 25910), (293, 25913), (294, 25916), (296, 25928), (298, 25937), (302, 25952), (303, 25955), (341, 26150), (358, 26201), (380, 26276), (383, 26297), (416, 26414),

Gene: GoldenEssence_62 Start: 27488, Stop: 29167, Start Num: 32

Candidate Starts for GoldenEssence_62:

(Start: 28 @27482 has 3 MA's), (Start: 32 @27488 has 8 MA's), (62, 27593), (90, 27716), (92, 27728), (124, 27851), (172, 28001), (196, 28103), (204, 28148), (210, 28181), (239, 28304), (240, 28313), (241, 28325), (249, 28361), (283, 28559), (290, 28628), (355, 28913), (376, 28979), (379, 28985),

(412, 29111), (414, 29120), (425, 29156),

Gene: Grassboy_23 Start: 9122, Stop: 10948, Start Num: 41

Candidate Starts for Grassboy_23:

(Start: 41 @9122 has 49 MA's), (84, 9272), (118, 9407), (133, 9446), (164, 9524), (170, 9542), (208, 9692), (210, 9707), (217, 9764), (244, 9881), (246, 9890), (271, 10025), (277, 10070), (278, 10076), (281, 10088), (288, 10148), (323, 10277), (324, 10283), (327, 10310), (344, 10409), (359, 10454), (420, 10649), (429, 10685), (434, 10703), (446, 10748),

Gene: Grumio_41 Start: 17700, Stop: 19658, Start Num: 20

Candidate Starts for Grumio_41:

(Start: 20 @17700 has 6 MA's), (39, 17745), (59, 17796), (66, 17823), (112, 18012), (175, 18171), (196, 18264), (209, 18339), (220, 18408), (221, 18420), (222, 18426), (242, 18528), (244, 18561), (257, 18633), (258, 18636), (264, 18666), (271, 18705), (284, 18789), (316, 18933), (317, 18936), (324, 18966), (339, 19074), (350, 19110), (353, 19119), (384, 19209), (397, 19254), (429, 19368), (446, 19437), (449, 19458), (470, 19611), (476, 19650),

Gene: Gustavo_12 Start: 6272, Stop: 7900, Start Num: 5

Candidate Starts for Gustavo_12:

(Start: 5 @6272 has 110 MA's), (Start: 38 @6395 has 16 MA's), (46, 6416), (65, 6473), (81, 6536), (85, 6566), (99, 6629), (106, 6656), (171, 6824), (191, 6911), (199, 6950), (204, 6974), (208, 6992), (210, 7007), (211, 7013), (220, 7076), (249, 7148), (254, 7187), (266, 7253), (271, 7283), (277, 7328), (280, 7343), (281, 7346), (285, 7382), (291, 7430), (294, 7439), (300, 7466), (308, 7493), (323, 7538), (334, 7613), (337, 7643), (341, 7661), (357, 7700), (361, 7706), (367, 7721), (374, 7742), (377, 7748), (392, 7784), (402, 7817),

Gene: Halo3_13 Start: 5892, Stop: 7478, Start Num: 5

Candidate Starts for Halo3_13:

(Start: 5 @5892 has 110 MA's), (16, 5955), (82, 6144), (86, 6174), (120, 6291), (127, 6312), (133, 6327), (193, 6501), (195, 6507), (202, 6543), (206, 6567), (207, 6570), (215, 6609), (224, 6681), (249, 6741), (254, 6780), (255, 6783), (257, 6792), (259, 6798), (271, 6864), (277, 6909), (283, 6939), (288, 6987), (300, 7044), (306, 7065), (317, 7092), (318, 7095), (324, 7122), (331, 7173), (337, 7221),

Gene: Hans_15 Start: 6962, Stop: 8596, Start Num: 5

Candidate Starts for Hans_15:

(Start: 5 @6962 has 110 MA's), (9, 6989), (12, 6998), (17, 7034), (42, 7100), (61, 7157), (71, 7190), (81, 7235), (85, 7265), (86, 7274), (92, 7298), (95, 7313), (120, 7394), (140, 7451), (168, 7511), (171, 7523), (175, 7541), (185, 7583), (204, 7673), (208, 7691), (210, 7706), (211, 7712), (217, 7766), (221, 7787), (249, 7847), (250, 7850), (260, 7907), (261, 7931), (266, 7952), (271, 7982), (277, 8027), (281, 8045), (284, 8066), (291, 8129), (296, 8150), (300, 8165), (318, 8216), (335, 8321), (337, 8342), (345, 8372), (354, 8390), (377, 8456), (387, 8477), (402, 8531),

Gene: Hermeonysus_19 Start: 8365, Stop: 10041, Start Num: 13

Candidate Starts for Hermeonysus_19:

(Start: 13 @8365 has 39 MA's), (Start: 15 @8374 has 14 MA's), (53, 8488), (55, 8494), (82, 8599), (84, 8611), (103, 8710), (106, 8716), (110, 8728), (124, 8782), (132, 8800), (144, 8854), (157, 8884), (169, 8923), (174, 8941), (175, 8950), (183, 8986), (196, 9049), (208, 9112), (213, 9139), (249, 9286), (250, 9289), (255, 9328), (260, 9346), (273, 9418), (283, 9484), (284, 9493), (294, 9565), (301, 9598), (303, 9604), (313, 9634), (317, 9649), (340, 9787), (345, 9802), (352, 9823), (353, 9826),

Gene: Hive_22 Start: 9500, Stop: 11221, Start Num: 87

Candidate Starts for Hive_22:

(Start: 38 @9329 has 16 MA's), (42, 9338), (58, 9377), (87, 9500), (91, 9518), (114, 9593), (140, 9668), (206, 9911), (249, 10103), (278, 10277), (281, 10289), (307, 10439), (323, 10490), (327, 10523), (328, 10529), (333, 10562), (338, 10598), (345, 10625), (358, 10664), (364, 10685), (368, 10697), (370, 10703), (434, 10967), (459, 11084), (471, 11180),

Gene: Honeyfin_21 Start: 8650, Stop: 10356, Start Num: 13

Candidate Starts for Honeyfin_21:

(Start: 13 @8650 has 39 MA's), (Start: 15 @8659 has 14 MA's), (18, 8674), (53, 8773), (55, 8779), (82, 8884), (84, 8896), (103, 8995), (106, 9001), (124, 9067), (132, 9085), (144, 9139), (157, 9169), (169, 9208), (174, 9226), (175, 9235), (183, 9271), (196, 9334), (208, 9397), (213, 9424), (217, 9469), (249, 9571), (250, 9574), (255, 9613), (260, 9631), (273, 9703), (283, 9769), (284, 9778), (288, 9817), (294, 9850), (301, 9883), (303, 9889), (313, 9919), (340, 10072), (345, 10087), (352, 10108), (353, 10111), (424, 10324),

Gene: Hyperion_21 Start: 8813, Stop: 10639, Start Num: 41

Candidate Starts for Hyperion_21:

(Start: 41 @8813 has 49 MA's), (84, 8963), (118, 9098), (133, 9137), (164, 9215), (170, 9233), (208, 9383), (210, 9398), (217, 9455), (244, 9572), (246, 9581), (271, 9716), (277, 9761), (278, 9767), (281, 9779), (288, 9839), (323, 9968), (324, 9974), (327, 10001), (344, 10100), (359, 10145), (420, 10340), (429, 10376), (434, 10394), (446, 10439),

Gene: Inspectinfecti_14 Start: 7478, Stop: 9112, Start Num: 5

Candidate Starts for Inspectinfecti_14:

(Start: 5 @7478 has 110 MA's), (9, 7505), (12, 7514), (17, 7550), (Start: 29 @7592 has 1 MA's), (42, 7616), (61, 7673), (71, 7706), (81, 7751), (85, 7781), (86, 7790), (92, 7814), (95, 7829), (120, 7910), (140, 7967), (168, 8027), (171, 8039), (175, 8057), (185, 8099), (204, 8189), (208, 8207), (210, 8222), (211, 8228), (217, 8282), (221, 8303), (249, 8363), (250, 8366), (260, 8423), (261, 8447), (271, 8498), (277, 8543), (281, 8561), (284, 8582), (291, 8645), (296, 8666), (300, 8681), (318, 8732), (335, 8837), (337, 8858), (345, 8888), (354, 8906), (377, 8972), (387, 8993), (402, 9047),

Gene: JKSyngboy_11 Start: 6783, Stop: 8414, Start Num: 5

Candidate Starts for JKSyngboy_11:

(Start: 5 @6783 has 110 MA's), (Start: 38 @6906 has 16 MA's), (46, 6927), (65, 6984), (81, 7047), (99, 7140), (106, 7167), (171, 7335), (191, 7422), (199, 7461), (204, 7485), (208, 7503), (210, 7518), (211, 7524), (220, 7587), (249, 7659), (252, 7671), (254, 7698), (260, 7719), (266, 7764), (271, 7794), (277, 7839), (280, 7854), (281, 7857), (285, 7893), (291, 7941), (294, 7950), (323, 8049), (331, 8106), (334, 8124), (337, 8154), (341, 8172), (357, 8211), (361, 8217), (367, 8232), (374, 8253), (377, 8259), (392, 8298),

Gene: Jabberwocky_11 Start: 6945, Stop: 8567, Start Num: 5

Candidate Starts for Jabberwocky_11:

(Start: 5 @6945 has 110 MA's), (Start: 38 @7065 has 16 MA's), (56, 7104), (65, 7143), (81, 7206), (99, 7299), (106, 7326), (120, 7365), (171, 7494), (185, 7554), (200, 7623), (204, 7644), (208, 7662), (210, 7677), (211, 7683), (220, 7746), (246, 7806), (249, 7818), (254, 7857), (257, 7869), (260, 7878), (263, 7911), (266, 7923), (271, 7953), (277, 7998), (280, 8013), (281, 8016), (285, 8052), (291, 8100), (294, 8109), (300, 8136), (337, 8313), (357, 8370), (361, 8376), (367, 8391), (374, 8412), (377, 8418), (392, 8454), (401, 8481),

Gene: Jambalaya_12 Start: 5267, Stop: 6853, Start Num: 5

Candidate Starts for Jambalaya_12:

(Start: 5 @5267 has 110 MA's), (34, 5381), (86, 5549), (121, 5669), (127, 5687), (133, 5702), (186, 5852), (195, 5882), (206, 5942), (207, 5945), (215, 5984), (224, 6056), (249, 6116), (250, 6119), (251, 6122), (255, 6158), (257, 6167), (259, 6173), (260, 6176), (271, 6239), (277, 6284), (283, 6314), (288,

6362), (300, 6419), (306, 6440), (308, 6446), (317, 6467), (318, 6470), (324, 6497), (331, 6548), (337, 6596),

Gene: Jayden_20 Start: 7979, Stop: 9697, Start Num: 13

Candidate Starts for Jayden_20:

(1, 7835), (Start: 13 @7979 has 39 MA's), (Start: 15 @7988 has 14 MA's), (47, 8084), (55, 8108), (82, 8213), (84, 8225), (103, 8324), (110, 8342), (124, 8396), (132, 8414), (143, 8465), (144, 8468), (161, 8507), (163, 8519), (169, 8537), (174, 8555), (175, 8564), (183, 8600), (196, 8663), (208, 8726), (213, 8753), (217, 8798), (249, 8900), (250, 8903), (260, 8960), (266, 8993), (273, 9032), (283, 9098), (284, 9107), (285, 9122), (288, 9146), (289, 9158), (301, 9212), (303, 9218), (313, 9248), (340, 9401), (352, 9437), (359, 9461), (360, 9464), (366, 9485), (373, 9506), (417, 9629), (420, 9641), (424, 9653), (430, 9680),

Gene: Jefe_20 Start: 8418, Stop: 10094, Start Num: 13

Candidate Starts for Jefe_20:

(Start: 13 @8418 has 39 MA's), (Start: 15 @8427 has 14 MA's), (53, 8541), (55, 8547), (82, 8652), (84, 8664), (106, 8769), (110, 8781), (124, 8835), (132, 8853), (144, 8907), (157, 8937), (169, 8976), (174, 8994), (175, 9003), (183, 9039), (196, 9102), (208, 9165), (213, 9192), (249, 9339), (250, 9342), (255, 9381), (260, 9399), (273, 9471), (283, 9537), (284, 9546), (294, 9618), (301, 9651), (303, 9657), (313, 9687), (317, 9702), (340, 9840), (345, 9855), (352, 9876), (353, 9879),

Gene: Jehoshaphat_24 Start: 9365, Stop: 11191, Start Num: 41

Candidate Starts for Jehoshaphat_24:

(Start: 41 @9365 has 49 MA's), (84, 9515), (118, 9650), (133, 9689), (164, 9767), (170, 9785), (208, 9935), (210, 9950), (217, 10007), (232, 10076), (244, 10124), (246, 10133), (271, 10268), (277, 10313), (278, 10319), (281, 10331), (288, 10391), (323, 10520), (324, 10526), (327, 10553), (344, 10652), (359, 10697), (420, 10892), (429, 10928), (434, 10946), (446, 10991),

Gene: Jollipop_20 Start: 8736, Stop: 10442, Start Num: 13

Candidate Starts for Jollipop_20:

(Start: 13 @8736 has 39 MA's), (Start: 15 @8745 has 14 MA's), (18, 8760), (53, 8859), (55, 8865), (82, 8970), (84, 8982), (103, 9081), (106, 9087), (110, 9099), (124, 9153), (132, 9171), (144, 9225), (157, 9255), (169, 9294), (174, 9312), (175, 9321), (183, 9357), (196, 9420), (208, 9483), (213, 9510), (217, 9555), (249, 9657), (250, 9660), (255, 9699), (260, 9717), (273, 9789), (283, 9855), (284, 9864), (288, 9903), (294, 9936), (301, 9969), (303, 9975), (313, 10005), (340, 10158), (345, 10173), (352, 10194), (353, 10197), (422, 10401), (424, 10410),

Gene: Jollymon_41 Start: 18192, Stop: 20150, Start Num: 20

Candidate Starts for Jollymon_41:

(Start: 20 @18192 has 6 MA's), (39, 18237), (59, 18288), (66, 18315), (112, 18504), (175, 18663), (196, 18756), (209, 18831), (220, 18900), (221, 18912), (222, 18918), (242, 19020), (244, 19053), (257, 19125), (258, 19128), (264, 19158), (271, 19197), (278, 19248), (284, 19281), (316, 19425), (317, 19428), (324, 19458), (339, 19566), (350, 19602), (353, 19611), (397, 19746), (429, 19860), (449, 19950), (470, 20103), (476, 20142),

Gene: Judebell_24 Start: 8906, Stop: 10732, Start Num: 41

Candidate Starts for Judebell_24:

(Start: 41 @8906 has 49 MA's), (84, 9056), (118, 9191), (133, 9230), (164, 9308), (170, 9326), (208, 9476), (210, 9491), (217, 9548), (232, 9617), (244, 9665), (246, 9674), (271, 9809), (277, 9854), (278, 9860), (281, 9872), (288, 9932), (323, 10061), (324, 10067), (327, 10094), (344, 10193), (359, 10238), (420, 10433), (429, 10469), (434, 10487), (446, 10532),

Gene: KSunshine22_70 Start: 29151, Stop: 30725, Start Num: 51

Candidate Starts for KSunshine22_70:

(Start: 32 @29091 has 8 MA's), (Start: 51 @29151 has 1 MA's), (140, 29508), (194, 29697), (196, 29706), (240, 29910), (249, 29958), (279, 30138), (290, 30225), (310, 30291), (313, 30303), (363, 30534), (388, 30621), (425, 30714),

Gene: KaiHaiDragon_20 Start: 8353, Stop: 10035, Start Num: 15

Candidate Starts for KaiHaiDragon_20:

(Start: 13 @8344 has 39 MA's), (Start: 15 @8353 has 14 MA's), (18, 8368), (53, 8467), (55, 8473), (82, 8578), (84, 8590), (103, 8689), (106, 8695), (110, 8707), (124, 8761), (132, 8779), (144, 8833), (157, 8863), (169, 8902), (174, 8920), (175, 8929), (183, 8965), (196, 9028), (208, 9091), (213, 9118), (249, 9265), (250, 9268), (255, 9307), (273, 9397), (283, 9463), (284, 9472), (294, 9544), (301, 9577), (303, 9583), (313, 9613), (317, 9628), (340, 9766), (345, 9781), (352, 9802), (353, 9805),

Gene: Kamashten_13 Start: 7104, Stop: 8729, Start Num: 5

Candidate Starts for Kamashten_13:

(Start: 5 @7104 has 110 MA's), (56, 7263), (65, 7302), (81, 7365), (106, 7485), (120, 7524), (171, 7653), (185, 7713), (200, 7782), (204, 7803), (208, 7821), (210, 7836), (211, 7842), (220, 7905), (246, 7965), (249, 7977), (254, 8016), (257, 8028), (260, 8037), (263, 8070), (266, 8082), (271, 8112), (277, 8157), (280, 8172), (281, 8175), (285, 8211), (291, 8259), (294, 8268), (300, 8295), (337, 8472), (357, 8529), (361, 8535), (367, 8550), (374, 8571), (377, 8577), (392, 8613), (401, 8643),

Gene: Keitabear_13 Start: 8156, Stop: 9778, Start Num: 5

Candidate Starts for Keitabear_13:

(Start: 5 @8156 has 110 MA's), (Start: 38 @8276 has 16 MA's), (56, 8315), (61, 8336), (65, 8354), (81, 8417), (99, 8510), (106, 8537), (120, 8576), (171, 8705), (185, 8765), (200, 8834), (204, 8855), (208, 8873), (210, 8888), (211, 8894), (220, 8957), (246, 9017), (249, 9029), (254, 9068), (257, 9080), (260, 9089), (263, 9122), (266, 9134), (271, 9164), (277, 9209), (280, 9224), (281, 9227), (285, 9263), (291, 9311), (294, 9320), (300, 9347), (337, 9524), (357, 9581), (361, 9587), (367, 9602), (374, 9623), (377, 9629), (392, 9665), (401, 9692),

Gene: Kelcole_20 Start: 7743, Stop: 9542, Start Num: 41

Candidate Starts for Kelcole_20:

(Start: 41 @7743 has 49 MA's), (75, 7842), (114, 8007), (133, 8058), (144, 8088), (170, 8154), (226, 8421), (238, 8466), (254, 8553), (264, 8598), (270, 8634), (277, 8682), (278, 8688), (281, 8700), (285, 8736), (288, 8760), (323, 8895), (338, 9003), (343, 9024), (369, 9105), (373, 9114), (415, 9225), (420, 9243), (429, 9279), (447, 9345), (458, 9414), (463, 9447), (473, 9522),

Gene: Kewpiedoll_13 Start: 6506, Stop: 8128, Start Num: 5

Candidate Starts for Kewpiedoll_13:

(Start: 5 @6506 has 110 MA's), (Start: 38 @6626 has 16 MA's), (56, 6665), (65, 6704), (81, 6767), (99, 6860), (106, 6887), (120, 6926), (171, 7055), (185, 7115), (200, 7184), (204, 7205), (208, 7223), (210, 7238), (211, 7244), (220, 7307), (246, 7367), (249, 7379), (254, 7418), (257, 7430), (260, 7439), (263, 7472), (266, 7484), (271, 7514), (277, 7559), (280, 7574), (281, 7577), (285, 7613), (291, 7661), (294, 7670), (300, 7697), (337, 7874), (357, 7931), (361, 7937), (367, 7952), (374, 7973), (377, 7979), (392, 8015), (401, 8042),

Gene: KillerQueen_22 Start: 7559, Stop: 9358, Start Num: 41

Candidate Starts for KillerQueen_22:

(Start: 41 @7559 has 49 MA's), (75, 7658), (114, 7823), (133, 7874), (144, 7904), (170, 7970), (226, 8237), (238, 8282), (254, 8369), (264, 8414), (270, 8450), (277, 8498), (278, 8504), (281, 8516), (285, 8552), (288, 8576), (323, 8711), (338, 8819), (343, 8840), (369, 8921), (373, 8930), (415, 9041), (420, 9059), (429, 9095), (447, 9161), (458, 9230), (463, 9263), (473, 9338),

Gene: KimmyK_12 Start: 5583, Stop: 7169, Start Num: 5

Candidate Starts for KimmyK_12:

(Start: 5 @5583 has 110 MA's), (82, 5835), (86, 5865), (120, 5982), (127, 6003), (133, 6018), (193, 6192), (202, 6234), (206, 6258), (207, 6261), (215, 6300), (224, 6372), (249, 6432), (250, 6435), (251, 6438), (255, 6474), (257, 6483), (259, 6489), (260, 6492), (271, 6555), (277, 6600), (283, 6630), (288, 6678), (300, 6735), (306, 6756), (317, 6783), (318, 6786), (324, 6813), (331, 6864), (337, 6912),

Gene: KingstonB_41 Start: 17700, Stop: 19658, Start Num: 20

Candidate Starts for KingstonB_41:

(Start: 20 @17700 has 6 MA's), (39, 17745), (59, 17796), (66, 17823), (112, 18012), (175, 18171), (196, 18264), (209, 18339), (220, 18408), (221, 18420), (222, 18426), (242, 18528), (244, 18561), (257, 18633), (258, 18636), (264, 18666), (271, 18705), (284, 18789), (316, 18933), (317, 18936), (324, 18966), (339, 19074), (350, 19110), (353, 19119), (397, 19254), (429, 19368), (446, 19437), (449, 19458), (470, 19611), (476, 19650),

Gene: Kithara_22 Start: 9733, Stop: 11709, Start Num: 25

Candidate Starts for Kithara_22:

(Start: 25 @9733 has 1 MA's), (45, 9775), (70, 9859), (77, 9877), (83, 9922), (88, 9949), (123, 10093), (130, 10108), (136, 10135), (145, 10177), (156, 10195), (167, 10231), (196, 10366), (218, 10504), (221, 10522), (225, 10540), (226, 10543), (244, 10606), (247, 10618), (252, 10639), (256, 10675), (258, 10681), (260, 10687), (277, 10795), (278, 10801), (320, 11002), (338, 11125), (342, 11143), (390, 11281), (409, 11359), (429, 11437), (441, 11485), (447, 11503), (452, 11548), (465, 11638), (471, 11683),

Gene: Kowalski_19 Start: 8475, Stop: 10151, Start Num: 13

Candidate Starts for Kowalski_19:

(Start: 13 @8475 has 39 MA's), (Start: 15 @8484 has 14 MA's), (53, 8598), (55, 8604), (82, 8709), (84, 8721), (103, 8820), (106, 8826), (110, 8838), (124, 8892), (132, 8910), (144, 8964), (157, 8994), (169, 9033), (174, 9051), (175, 9060), (183, 9096), (196, 9159), (208, 9222), (213, 9249), (249, 9396), (250, 9399), (255, 9438), (260, 9456), (273, 9528), (283, 9594), (284, 9603), (294, 9675), (301, 9708), (303, 9714), (313, 9744), (317, 9759), (340, 9897), (345, 9912), (352, 9933), (353, 9936),

Gene: Kozie_14 Start: 7119, Stop: 8849, Start Num: 15

Candidate Starts for Kozie_14:

(Start: 13 @7110 has 39 MA's), (Start: 15 @7119 has 14 MA's), (44, 7200), (67, 7275), (82, 7341), (84, 7353), (85, 7362), (89, 7380), (103, 7452), (124, 7524), (134, 7554), (143, 7593), (144, 7596), (154, 7650), (163, 7677), (169, 7695), (171, 7704), (174, 7713), (175, 7722), (180, 7746), (188, 7779), (192, 7800), (194, 7806), (213, 7905), (217, 7950), (249, 8052), (260, 8112), (262, 8127), (273, 8184), (284, 8259), (288, 8298), (303, 8370), (306, 8379), (346, 8574), (352, 8592), (353, 8595), (367, 8643), (374, 8664), (385, 8688), (389, 8694), (396, 8712), (423, 8805),

Gene: Kroos_12 Start: 6436, Stop: 8064, Start Num: 5

Candidate Starts for Kroos_12:

(Start: 5 @6436 has 110 MA's), (Start: 38 @6559 has 16 MA's), (46, 6580), (65, 6637), (81, 6700), (85, 6730), (99, 6793), (106, 6820), (121, 6862), (171, 6988), (191, 7075), (199, 7114), (204, 7138), (208, 7156), (210, 7171), (211, 7177), (220, 7240), (249, 7312), (254, 7351), (266, 7417), (271, 7447), (277, 7492), (280, 7507), (281, 7510), (285, 7546), (291, 7594), (294, 7603), (300, 7630), (308, 7657), (323, 7702), (331, 7759), (334, 7777), (337, 7807), (341, 7825), (357, 7864), (361, 7870), (367, 7885), (374, 7906), (377, 7912), (392, 7948), (402, 7981),

Gene: Kubulix_23 Start: 9444, Stop: 11330, Start Num: 38

Candidate Starts for Kubulix_23:

(Start: 38 @9444 has 16 MA's), (42, 9453), (58, 9492), (87, 9615), (91, 9633), (104, 9684), (114, 9708), (140, 9783), (206, 10026), (249, 10218), (278, 10392), (281, 10404), (307, 10554), (323, 10605), (327, 10638), (328, 10644), (333, 10677), (338, 10713), (345, 10740), (358, 10779), (364, 10800), (368, 10812), (434, 11076), (459, 11193), (471, 11289),

Gene: Kwekel_13 Start: 5795, Stop: 7471, Start Num: 5

Candidate Starts for Kwekel_13:

(Start: 5 @5795 has 110 MA's), (Start: 27 @5906 has 5 MA's), (42, 5933), (48, 5963), (81, 6092), (85, 6122), (102, 6200), (135, 6299), (169, 6371), (171, 6380), (176, 6401), (185, 6440), (204, 6530), (208, 6548), (210, 6563), (211, 6569), (221, 6644), (249, 6704), (250, 6707), (260, 6764), (271, 6839), (277, 6884), (284, 6923), (288, 6962), (291, 6986), (296, 7007), (300, 7022), (303, 7034), (318, 7073), (337, 7199), (345, 7229), (387, 7334),

Gene: Kwobi_12 Start: 6275, Stop: 7903, Start Num: 5

Candidate Starts for Kwobi_12:

(Start: 5 @6275 has 110 MA's), (Start: 38 @6398 has 16 MA's), (46, 6419), (65, 6476), (81, 6539), (85, 6569), (99, 6632), (106, 6659), (171, 6827), (191, 6914), (199, 6953), (204, 6977), (208, 6995), (210, 7010), (211, 7016), (220, 7079), (249, 7151), (254, 7190), (266, 7256), (271, 7286), (277, 7331), (280, 7346), (281, 7349), (285, 7385), (291, 7433), (294, 7442), (300, 7469), (308, 7496), (323, 7541), (334, 7616), (337, 7646), (341, 7664), (357, 7703), (361, 7709), (367, 7724), (374, 7745), (377, 7751), (392, 7787), (402, 7820),

Gene: Kyva_24 Start: 9157, Stop: 10983, Start Num: 41

Candidate Starts for Kyva_24:

(Start: 41 @9157 has 49 MA's), (84, 9307), (118, 9442), (133, 9481), (164, 9559), (170, 9577), (208, 9727), (210, 9742), (217, 9799), (244, 9916), (246, 9925), (271, 10060), (277, 10105), (278, 10111), (281, 10123), (288, 10183), (323, 10312), (324, 10318), (327, 10345), (344, 10444), (359, 10489), (420, 10684), (429, 10720), (434, 10738), (446, 10783),

Gene: Laure_78 Start: 33903, Stop: 35429, Start Num: 64

Candidate Starts for Laure_78:

(34, 33795), (62, 33897), (64, 33903), (92, 34032), (99, 34062), (139, 34203), (140, 34209), (172, 34305), (206, 34461), (230, 34590), (239, 34608), (240, 34617), (249, 34665), (255, 34707), (257, 34716), (283, 34863), (295, 34947), (303, 34983), (318, 35031), (328, 35091), (345, 35187), (351, 35205), (355, 35220), (360, 35235), (367, 35259), (412, 35376), (425, 35418),

Gene: Lennon_13 Start: 7365, Stop: 8987, Start Num: 5

Candidate Starts for Lennon_13:

(Start: 5 @7365 has 110 MA's), (56, 7524), (65, 7563), (81, 7626), (106, 7746), (120, 7785), (169, 7905), (171, 7914), (185, 7974), (200, 8043), (204, 8064), (208, 8082), (210, 8097), (211, 8103), (220, 8166), (246, 8226), (249, 8238), (254, 8277), (257, 8289), (260, 8298), (263, 8331), (266, 8343), (271, 8373), (277, 8418), (280, 8433), (281, 8436), (285, 8472), (291, 8520), (294, 8529), (300, 8556), (337, 8733), (357, 8790), (361, 8796), (367, 8811), (374, 8832), (377, 8838), (392, 8874), (401, 8901),

Gene: LeoJr_75 Start: 31198, Stop: 32826, Start Num: 32

Candidate Starts for LeoJr_75:

(Start: 32 @31198 has 8 MA's), (92, 31438), (140, 31615), (196, 31813), (223, 31975), (240, 32017), (241, 32029), (249, 32065), (279, 32245), (290, 32332), (313, 32410), (363, 32641), (388, 32728), (412, 32776), (425, 32815),

Gene: Leonard_13 Start: 7073, Stop: 8707, Start Num: 5

Candidate Starts for Leonard_13:

(Start: 5 @7073 has 110 MA's), (9, 7100), (12, 7109), (17, 7145), (Start: 29 @7187 has 1 MA's), (42, 7211), (61, 7268), (71, 7301), (81, 7346), (85, 7376), (86, 7385), (92, 7409), (95, 7424), (120, 7505), (140, 7562), (168, 7622), (171, 7634), (175, 7652), (185, 7694), (204, 7784), (208, 7802), (210, 7817), (211, 7823), (217, 7877), (221, 7898), (249, 7958), (250, 7961), (260, 8018), (261, 8042), (271, 8093), (277, 8138), (281, 8156), (284, 8177), (291, 8240), (296, 8261), (300, 8276), (318, 8327), (335, 8432), (337, 8453), (345, 8483), (354, 8501), (377, 8567), (387, 8588), (402, 8642),

Gene: LilHam_10 Start: 5591, Stop: 7219, Start Num: 5

Candidate Starts for LilHam_10:

(Start: 5 @5591 has 110 MA's), (Start: 38 @5714 has 16 MA's), (46, 5735), (65, 5792), (81, 5855), (85, 5885), (99, 5948), (106, 5975), (171, 6143), (191, 6230), (199, 6269), (204, 6293), (208, 6311), (210, 6326), (211, 6332), (220, 6395), (249, 6467), (254, 6506), (266, 6572), (271, 6602), (277, 6647), (280, 6662), (281, 6665), (285, 6701), (291, 6749), (294, 6758), (300, 6785), (308, 6812), (323, 6857), (334, 6932), (337, 6962), (341, 6980), (357, 7019), (361, 7025), (367, 7040), (374, 7061), (377, 7067), (392, 7103), (402, 7136),

Gene: Lilbeanie_13 Start: 5278, Stop: 6954, Start Num: 3

Candidate Starts for Lilbeanie_13:

(Start: 3 @5278 has 1 MA's), (19, 5377), (43, 5437), (60, 5512), (61, 5515), (81, 5593), (120, 5752), (128, 5776), (141, 5812), (185, 5935), (186, 5944), (215, 6076), (224, 6148), (249, 6208), (250, 6211), (252, 6220), (260, 6268), (263, 6292), (264, 6295), (271, 6334), (283, 6409), (288, 6457), (299, 6514), (305, 6532), (318, 6568), (330, 6643), (333, 6661), (398, 6853),

Gene: LittleFortune_21 Start: 8692, Stop: 10398, Start Num: 13

Candidate Starts for LittleFortune_21:

(Start: 13 @8692 has 39 MA's), (Start: 15 @8701 has 14 MA's), (18, 8716), (53, 8815), (55, 8821), (82, 8926), (84, 8938), (103, 9037), (106, 9043), (124, 9109), (132, 9127), (144, 9181), (157, 9211), (169, 9250), (174, 9268), (175, 9277), (183, 9313), (196, 9376), (208, 9439), (213, 9466), (217, 9511), (249, 9613), (250, 9616), (255, 9655), (260, 9673), (273, 9745), (283, 9811), (284, 9820), (288, 9859), (294, 9892), (301, 9925), (303, 9931), (313, 9961), (340, 10114), (345, 10129), (352, 10150), (353, 10153), (422, 10357), (424, 10366),

Gene: Llemily_21 Start: 8141, Stop: 9967, Start Num: 41

Candidate Starts for Llemily_21:

(Start: 41 @8141 has 49 MA's), (84, 8291), (118, 8426), (133, 8465), (164, 8543), (170, 8561), (208, 8711), (210, 8726), (217, 8783), (232, 8852), (244, 8900), (246, 8909), (271, 9044), (277, 9089), (278, 9095), (281, 9107), (288, 9167), (323, 9296), (324, 9302), (327, 9329), (344, 9428), (359, 9473), (420, 9668), (429, 9704), (434, 9722), (446, 9767),

Gene: Lonelysoil_21 Start: 8386, Stop: 10212, Start Num: 41

Candidate Starts for Lonelysoil_21:

(Start: 41 @8386 has 49 MA's), (84, 8536), (118, 8671), (133, 8710), (164, 8788), (170, 8806), (208, 8956), (210, 8971), (217, 9028), (232, 9097), (244, 9145), (246, 9154), (271, 9289), (277, 9334), (278, 9340), (281, 9352), (288, 9412), (323, 9541), (324, 9547), (327, 9574), (344, 9673), (359, 9718), (420, 9913), (429, 9949), (434, 9967), (446, 10012),

Gene: Love_14 Start: 7094, Stop: 8716, Start Num: 5

Candidate Starts for Love_14:

(Start: 5 @7094 has 110 MA's), (Start: 38 @7214 has 16 MA's), (56, 7253), (65, 7292), (81, 7355), (99, 7448), (106, 7475), (120, 7514), (169, 7634), (171, 7643), (185, 7703), (200, 7772), (204, 7793), (208, 7811), (210, 7826), (211, 7832), (220, 7895), (246, 7955), (249, 7967), (254, 8006), (257, 8018), (260, 8027), (266, 8072), (271, 8102), (277, 8147), (280, 8162), (281, 8165), (285, 8201), (291, 8249), (294, 8258), (300, 8285), (337, 8462), (357, 8519), (361, 8525), (367, 8540), (374, 8561), (377, 8567), (392,

8603), (401, 8630),

Gene: Lucretia_20 Start: 8412, Stop: 10088, Start Num: 13

Candidate Starts for Lucretia_20:

(Start: 13 @8412 has 39 MA's), (Start: 15 @8421 has 14 MA's), (18, 8436), (53, 8535), (55, 8541), (82, 8646), (84, 8658), (103, 8757), (106, 8763), (110, 8775), (124, 8829), (132, 8847), (144, 8901), (157, 8931), (169, 8970), (174, 8988), (175, 8997), (183, 9033), (196, 9096), (208, 9159), (213, 9186), (249, 9333), (250, 9336), (255, 9375), (260, 9393), (273, 9465), (283, 9531), (284, 9540), (294, 9612), (301, 9645), (303, 9651), (313, 9681), (317, 9696), (340, 9834), (345, 9849), (352, 9870), (353, 9873),

Gene: Makar_42 Start: 18159, Stop: 20129, Start Num: 20

Candidate Starts for Makar_42:

(Start: 20 @18159 has 6 MA's), (39, 18204), (59, 18255), (92, 18399), (111, 18471), (144, 18558), (175, 18633), (182, 18669), (196, 18726), (209, 18801), (221, 18882), (236, 18954), (237, 18957), (242, 18987), (244, 19020), (258, 19095), (264, 19125), (271, 19164), (278, 19215), (284, 19248), (294, 19320), (316, 19392), (317, 19395), (324, 19425), (335, 19503), (339, 19533), (353, 19578), (386, 19671), (414, 19779), (418, 19794), (429, 19836), (448, 19914), (456, 19965), (459, 19983), (473, 20094), (476, 20121),

Gene: Marcie_26 Start: 8457, Stop: 10256, Start Num: 41

Candidate Starts for Marcie_26:

(Start: 41 @8457 has 49 MA's), (96, 8670), (133, 8772), (144, 8802), (170, 8868), (226, 9135), (227, 9150), (233, 9168), (238, 9180), (254, 9267), (256, 9276), (264, 9312), (270, 9348), (277, 9396), (278, 9402), (281, 9414), (285, 9450), (288, 9474), (323, 9609), (338, 9717), (369, 9819), (373, 9828), (404, 9927), (415, 9939), (420, 9957), (429, 9993), (447, 10059), (458, 10128), (463, 10161), (472, 10230), (473, 10236),

Gene: Mareelih_76 Start: 30803, Stop: 32533, Start Num: 27

Candidate Starts for Mareelih_76:

(Start: 27 @30803 has 5 MA's), (57, 30881), (73, 30935), (76, 30947), (92, 31034), (95, 31049), (117, 31139), (137, 31214), (159, 31304), (201, 31499), (204, 31517), (205, 31520), (208, 31535), (210, 31550), (214, 31565), (216, 31592), (222, 31631), (265, 31802), (271, 31835), (278, 31886), (282, 31901), (283, 31910), (292, 31985), (293, 31988), (298, 32012), (346, 32237), (351, 32252), (360, 32282), (375, 32330), (379, 32345), (380, 32351),

Gene: Margaery_12 Start: 5952, Stop: 7694, Start Num: 15

Candidate Starts for Margaery_12:

(Start: 13 @5943 has 39 MA's), (Start: 15 @5952 has 14 MA's), (40, 6021), (44, 6033), (62, 6090), (67, 6105), (82, 6168), (84, 6180), (85, 6189), (89, 6207), (103, 6279), (134, 6381), (144, 6423), (154, 6474), (163, 6501), (165, 6507), (169, 6519), (171, 6528), (179, 6567), (180, 6570), (188, 6606), (192, 6627), (194, 6633), (196, 6642), (208, 6705), (213, 6732), (217, 6777), (249, 6879), (257, 6930), (266, 6972), (273, 7011), (283, 7077), (284, 7086), (286, 7110), (287, 7122), (288, 7125), (303, 7197), (317, 7242), (322, 7257), (352, 7419), (367, 7470), (374, 7491), (393, 7536), (406, 7590),

Gene: Mashley_20 Start: 8624, Stop: 10450, Start Num: 41

Candidate Starts for Mashley_20:

(Start: 41 @8624 has 49 MA's), (84, 8774), (118, 8909), (133, 8948), (164, 9026), (170, 9044), (208, 9194), (210, 9209), (217, 9266), (244, 9383), (246, 9392), (271, 9527), (277, 9572), (278, 9578), (281, 9590), (288, 9650), (323, 9779), (324, 9785), (327, 9812), (344, 9911), (359, 9956), (420, 10151), (429, 10187), (434, 10205), (446, 10250),

Gene: Matzah_13 Start: 6000, Stop: 7757, Start Num: 15

Candidate Starts for Matzah_13:

(Start: 13 @5991 has 39 MA's), (Start: 15 @6000 has 14 MA's), (44, 6084), (54, 6120), (62, 6153), (82, 6231), (84, 6243), (85, 6252), (87, 6264), (89, 6270), (103, 6342), (106, 6348), (134, 6444), (144, 6486), (151, 6516), (158, 6546), (169, 6582), (171, 6591), (174, 6600), (175, 6609), (192, 6690), (194, 6696), (196, 6705), (208, 6768), (213, 6795), (217, 6840), (231, 6891), (249, 6942), (260, 7002), (262, 7017), (273, 7074), (284, 7149), (286, 7173), (302, 7257), (303, 7260), (317, 7305), (324, 7335), (330, 7383), (346, 7464), (352, 7482), (353, 7485), (374, 7554), (385, 7578), (426, 7713), (431, 7737),

Gene: McCrothy_13 Start: 6960, Stop: 8582, Start Num: 5

Candidate Starts for McCrothy_13:

(Start: 5 @6960 has 110 MA's), (56, 7119), (65, 7158), (81, 7221), (99, 7314), (106, 7341), (120, 7380), (169, 7500), (171, 7509), (185, 7569), (200, 7638), (204, 7659), (208, 7677), (210, 7692), (211, 7698), (220, 7761), (246, 7821), (249, 7833), (254, 7872), (257, 7884), (260, 7893), (263, 7926), (266, 7938), (271, 7968), (277, 8013), (280, 8028), (281, 8031), (285, 8067), (291, 8115), (294, 8124), (300, 8151), (337, 8328), (357, 8385), (361, 8391), (367, 8406), (374, 8427), (377, 8433), (392, 8469), (401, 8496),

Gene: McKinley_13 Start: 7453, Stop: 9075, Start Num: 5

Candidate Starts for McKinley_13:

(Start: 5 @7453 has 110 MA's), (Start: 38 @7573 has 16 MA's), (56, 7612), (65, 7651), (81, 7714), (99, 7807), (106, 7834), (120, 7873), (171, 8002), (185, 8062), (200, 8131), (204, 8152), (208, 8170), (210, 8185), (211, 8191), (220, 8254), (246, 8314), (249, 8326), (254, 8365), (257, 8377), (260, 8386), (266, 8431), (271, 8461), (277, 8506), (280, 8521), (281, 8524), (285, 8560), (291, 8608), (294, 8617), (300, 8644), (333, 8788), (337, 8821), (357, 8878), (361, 8884), (367, 8899), (374, 8920), (377, 8926), (392, 8962), (401, 8989),

Gene: Megan_13 Start: 8673, Stop: 10412, Start Num: 13

Candidate Starts for Megan_13:

(10, 8646), (Start: 13 @8673 has 39 MA's), (Start: 15 @8682 has 14 MA's), (23, 8712), (52, 8790), (61, 8826), (82, 8910), (84, 8922), (92, 8964), (96, 8985), (110, 9039), (124, 9093), (126, 9096), (143, 9162), (169, 9225), (174, 9243), (175, 9252), (196, 9345), (208, 9408), (213, 9435), (217, 9480), (224, 9513), (228, 9522), (229, 9525), (249, 9582), (250, 9585), (255, 9624), (257, 9633), (260, 9642), (266, 9675), (273, 9714), (283, 9780), (284, 9789), (286, 9813), (288, 9828), (303, 9900), (322, 9975), (324, 9990), (342, 10110), (344, 10116), (352, 10140), (353, 10143), (367, 10191), (389, 10242), (395, 10254), (403, 10290), (413, 10332), (432, 10395),

Gene: MelBins_13 Start: 6850, Stop: 8484, Start Num: 5

Candidate Starts for MelBins_13:

(Start: 5 @6850 has 110 MA's), (9, 6877), (12, 6886), (17, 6922), (42, 6988), (61, 7045), (71, 7078), (81, 7123), (85, 7153), (86, 7162), (92, 7186), (95, 7201), (120, 7282), (140, 7339), (168, 7399), (171, 7411), (175, 7429), (185, 7471), (204, 7561), (208, 7579), (210, 7594), (211, 7600), (217, 7654), (221, 7675), (249, 7735), (250, 7738), (260, 7795), (261, 7819), (271, 7870), (277, 7915), (281, 7933), (284, 7954), (291, 8017), (296, 8038), (300, 8053), (318, 8104), (335, 8209), (337, 8230), (345, 8260), (354, 8278), (356, 8284), (368, 8320), (377, 8344), (382, 8350), (387, 8365), (402, 8419),

Gene: MellowYellow_19 Start: 7989, Stop: 9875, Start Num: 38

Candidate Starts for MellowYellow_19:

(Start: 38 @7989 has 16 MA's), (42, 7998), (58, 8037), (87, 8160), (91, 8178), (104, 8229), (114, 8253), (140, 8328), (206, 8571), (249, 8763), (278, 8937), (281, 8949), (307, 9099), (323, 9150), (327, 9183), (328, 9189), (333, 9222), (338, 9258), (345, 9285), (358, 9324), (364, 9345), (368, 9357), (434, 9621), (459, 9738), (471, 9834),

Gene: MementoMori_13 Start: 5993, Stop: 7759, Start Num: 13

Candidate Starts for MementoMori_13:

(Start: 13 @5993 has 39 MA's), (Start: 15 @6002 has 14 MA's), (44, 6083), (54, 6119), (62, 6152), (82, 6230), (84, 6242), (85, 6251), (87, 6263), (89, 6269), (103, 6341), (106, 6347), (134, 6443), (144, 6485), (151, 6515), (154, 6536), (158, 6545), (169, 6581), (171, 6590), (174, 6599), (175, 6608), (192, 6689), (194, 6695), (196, 6704), (208, 6767), (213, 6794), (217, 6839), (231, 6890), (249, 6941), (260, 7001), (262, 7016), (273, 7073), (284, 7148), (286, 7172), (302, 7256), (303, 7259), (317, 7304), (324, 7334), (330, 7382), (346, 7463), (352, 7481), (353, 7484), (367, 7532), (374, 7553), (385, 7577), (389, 7583), (426, 7715), (431, 7739),

Gene: Mentos_26 Start: 9720, Stop: 11546, Start Num: 41

Candidate Starts for Mentos_26:

(Start: 41 @9720 has 49 MA's), (84, 9870), (118, 10005), (133, 10044), (164, 10122), (170, 10140), (208, 10290), (210, 10305), (217, 10362), (244, 10479), (246, 10488), (271, 10623), (277, 10668), (278, 10674), (281, 10686), (288, 10746), (323, 10875), (324, 10881), (327, 10908), (344, 11007), (359, 11052), (420, 11247), (429, 11283), (434, 11301), (446, 11346),

Gene: Merry_ Start: 8363, Stop: 10132, Start Num: 2

Candidate Starts for Merry_:

(Start: 2 @8363 has 2 MA's), (10, 8429), (Start: 13 @8456 has 39 MA's), (Start: 15 @8465 has 14 MA's), (47, 8561), (55, 8585), (82, 8690), (84, 8702), (103, 8801), (124, 8873), (132, 8891), (149, 8966), (155, 8972), (169, 9011), (172, 9023), (175, 9038), (179, 9062), (183, 9074), (188, 9101), (194, 9128), (196, 9137), (213, 9227), (217, 9272), (249, 9374), (250, 9377), (257, 9425), (260, 9434), (273, 9506), (283, 9572), (284, 9581), (303, 9692), (321, 9749), (346, 9893), (350, 9905), (359, 9935), (417, 10103),

Gene: Metamorphoo_20 Start: 8066, Stop: 9760, Start Num: 13

Candidate Starts for Metamorphoo_20:

(Start: 13 @8066 has 39 MA's), (Start: 15 @8075 has 14 MA's), (55, 8198), (82, 8303), (84, 8315), (103, 8414), (124, 8486), (132, 8504), (169, 8627), (172, 8639), (174, 8645), (175, 8654), (183, 8690), (196, 8753), (208, 8816), (213, 8843), (217, 8888), (220, 8897), (231, 8939), (249, 8990), (250, 8993), (255, 9032), (257, 9041), (260, 9050), (266, 9083), (273, 9122), (283, 9188), (284, 9197), (285, 9212), (288, 9236), (301, 9302), (303, 9308), (313, 9335), (340, 9488), (353, 9527), (359, 9548), (373, 9593), (424, 9740),

Gene: Mila11_25 Start: 9699, Stop: 11525, Start Num: 41

Candidate Starts for Mila11_25:

(Start: 41 @9699 has 49 MA's), (118, 9984), (133, 10023), (164, 10101), (170, 10119), (208, 10269), (210, 10284), (217, 10341), (232, 10410), (244, 10458), (246, 10467), (271, 10602), (277, 10647), (278, 10653), (281, 10665), (288, 10725), (323, 10854), (324, 10860), (327, 10887), (344, 10986), (359, 11031), (420, 11226), (429, 11262), (434, 11280), (446, 11325),

Gene: Mimi_76 Start: 33036, Stop: 34721, Start Num: 28

Candidate Starts for Mimi_76:

(Start: 28 @33036 has 3 MA's), (Start: 32 @33042 has 8 MA's), (62, 33147), (90, 33270), (92, 33282), (124, 33405), (196, 33657), (204, 33702), (239, 33858), (240, 33867), (241, 33879), (249, 33915), (253, 33936), (283, 34113), (355, 34467), (376, 34533), (379, 34539), (412, 34665), (414, 34674), (425, 34710),

Gene: MisoSoup_11 Start: 4288, Stop: 6081, Start Num: 15

Candidate Starts for MisoSoup_11:

(Start: 15 @4288 has 14 MA's), (24, 4321), (82, 4504), (110, 4636), (114, 4648), (126, 4693), (129, 4702), (131, 4705), (132, 4708), (163, 4813), (165, 4819), (171, 4840), (182, 4891), (208, 5017), (213, 5044), (217, 5089), (224, 5122), (229, 5134), (249, 5191), (257, 5242), (271, 5314), (276, 5347), (284, 5398), (286, 5422), (288, 5437), (303, 5509), (323, 5575), (324, 5581), (359, 5755), (373, 5800), (427,

5989), (435, 6016),

Gene: MoontowerMania_11 Start: 6493, Stop: 8115, Start Num: 5

Candidate Starts for MoontowerMania_11:

(Start: 5 @6493 has 110 MA's), (Start: 38 @6613 has 16 MA's), (56, 6652), (65, 6691), (81, 6754), (99, 6847), (106, 6874), (120, 6913), (169, 7033), (171, 7042), (185, 7102), (200, 7171), (204, 7192), (208, 7210), (210, 7225), (211, 7231), (220, 7294), (246, 7354), (249, 7366), (254, 7405), (257, 7417), (260, 7426), (263, 7459), (266, 7471), (271, 7501), (277, 7546), (280, 7561), (281, 7564), (285, 7600), (291, 7648), (294, 7657), (300, 7684), (337, 7861), (357, 7918), (361, 7924), (367, 7939), (374, 7960), (377, 7966), (392, 8002), (401, 8029),

Gene: MorillMayhem_21 Start: 8632, Stop: 10458, Start Num: 41

Candidate Starts for MorillMayhem_21:

(Start: 41 @8632 has 49 MA's), (118, 8917), (133, 8956), (135, 8968), (164, 9034), (170, 9052), (208, 9202), (210, 9217), (217, 9274), (232, 9343), (244, 9391), (246, 9400), (271, 9535), (277, 9580), (278, 9586), (281, 9598), (288, 9658), (323, 9787), (324, 9793), (327, 9820), (344, 9919), (359, 9964), (420, 10159), (429, 10195), (434, 10213), (446, 10258),

Gene: Mutzi_12 Start: 5455, Stop: 7041, Start Num: 5

Candidate Starts for Mutzi_12:

(Start: 5 @5455 has 110 MA's), (82, 5707), (86, 5737), (120, 5854), (127, 5875), (133, 5890), (193, 6064), (202, 6106), (206, 6130), (207, 6133), (215, 6172), (224, 6244), (249, 6304), (250, 6307), (251, 6310), (255, 6346), (257, 6355), (259, 6361), (260, 6364), (271, 6427), (277, 6472), (283, 6502), (288, 6550), (300, 6607), (306, 6628), (317, 6655), (318, 6658), (324, 6685), (331, 6736), (337, 6784),

Gene: Namago_22 Start: 8194, Stop: 10020, Start Num: 41

Candidate Starts for Namago_22:

(Start: 41 @8194 has 49 MA's), (118, 8479), (133, 8518), (164, 8596), (170, 8614), (210, 8779), (217, 8836), (244, 8953), (246, 8962), (271, 9097), (277, 9142), (278, 9148), (281, 9160), (288, 9220), (323, 9349), (324, 9355), (327, 9382), (344, 9481), (359, 9526), (420, 9721), (429, 9757), (434, 9775), (446, 9820),

Gene: Natkenzie_14 Start: 6957, Stop: 8627, Start Num: 5

Candidate Starts for Natkenzie_14:

(Start: 5 @6957 has 110 MA's), (17, 7032), (22, 7053), (33, 7080), (60, 7167), (81, 7248), (85, 7278), (86, 7287), (103, 7362), (108, 7374), (121, 7410), (135, 7455), (169, 7527), (171, 7536), (197, 7647), (204, 7686), (206, 7695), (208, 7704), (209, 7716), (210, 7719), (211, 7725), (221, 7800), (246, 7848), (249, 7860), (269, 7980), (271, 7995), (277, 8040), (284, 8079), (289, 8130), (296, 8163), (299, 8175), (300, 8178), (308, 8205), (318, 8229), (331, 8307), (337, 8358), (345, 8388), (347, 8394), (368, 8451), (387, 8496),

Gene: Nicole72_14 Start: 8906, Stop: 10651, Start Num: 13

Candidate Starts for Nicole72_14:

(Start: 13 @8906 has 39 MA's), (Start: 15 @8915 has 14 MA's), (61, 9056), (82, 9140), (84, 9152), (87, 9173), (92, 9194), (103, 9251), (110, 9269), (132, 9341), (143, 9392), (169, 9455), (174, 9473), (175, 9482), (196, 9575), (208, 9638), (213, 9665), (217, 9710), (224, 9743), (228, 9752), (229, 9755), (249, 9812), (250, 9815), (255, 9854), (257, 9863), (260, 9872), (266, 9905), (273, 9944), (283, 10010), (284, 10019), (286, 10043), (288, 10058), (303, 10130), (313, 10175), (342, 10340), (344, 10346), (352, 10370), (353, 10373), (367, 10421), (373, 10439), (391, 10478), (395, 10487), (413, 10565), (425, 10607),

Gene: Nikan_18 Start: 8462, Stop: 10354, Start Num: 38

Candidate Starts for Nikan_18:

(Start: 38 @8462 has 16 MA's), (42, 8471), (57, 8507), (58, 8510), (87, 8633), (91, 8651), (104, 8702), (114, 8726), (118, 8738), (133, 8777), (139, 8795), (140, 8801), (206, 9044), (232, 9185), (249, 9236), (278, 9410), (281, 9422), (323, 9623), (327, 9656), (328, 9662), (333, 9695), (337, 9728), (338, 9731), (358, 9797), (359, 9800), (368, 9830), (434, 10103), (445, 10142), (471, 10316),

Gene: Nike_22 Start: 9101, Stop: 10927, Start Num: 41

Candidate Starts for Nike_22:

(Start: 41 @9101 has 49 MA's), (118, 9386), (133, 9425), (164, 9503), (170, 9521), (208, 9671), (210, 9686), (217, 9743), (232, 9812), (244, 9860), (246, 9869), (271, 10004), (277, 10049), (278, 10055), (281, 10067), (288, 10127), (323, 10256), (324, 10262), (327, 10289), (344, 10388), (359, 10433), (420, 10628), (429, 10664), (434, 10682), (446, 10727), (468, 10883),

Gene: NoodlelyBoi_19 Start: 8480, Stop: 10180, Start Num: 13

Candidate Starts for NoodlelyBoi_19:

(Start: 13 @8480 has 39 MA's), (Start: 15 @8489 has 14 MA's), (55, 8609), (82, 8714), (84, 8726), (103, 8825), (106, 8831), (109, 8840), (124, 8897), (132, 8915), (144, 8969), (150, 8993), (155, 8996), (163, 9020), (169, 9038), (174, 9056), (175, 9065), (183, 9101), (196, 9164), (208, 9227), (213, 9254), (217, 9299), (249, 9401), (250, 9404), (255, 9443), (260, 9461), (273, 9533), (283, 9599), (284, 9608), (288, 9647), (301, 9713), (303, 9719), (313, 9749), (340, 9902), (346, 9920), (353, 9941), (359, 9962), (360, 9965), (366, 9986),

Gene: Nordenberg_7 Start: 4637, Stop: 6259, Start Num: 5

Candidate Starts for Nordenberg_7:

(Start: 5 @4637 has 110 MA's), (56, 4796), (65, 4835), (81, 4898), (99, 4991), (106, 5018), (120, 5057), (171, 5186), (185, 5246), (200, 5315), (204, 5336), (208, 5354), (210, 5369), (211, 5375), (220, 5438), (246, 5498), (249, 5510), (254, 5549), (257, 5561), (260, 5570), (266, 5615), (271, 5645), (277, 5690), (280, 5705), (281, 5708), (285, 5744), (291, 5792), (294, 5801), (300, 5828), (337, 6005), (357, 6062), (361, 6068), (367, 6083), (374, 6104), (377, 6110), (392, 6146), (401, 6173),

Gene: Nubi_12 Start: 5453, Stop: 7042, Start Num: 5

Candidate Starts for Nubi_12:

(Start: 5 @5453 has 110 MA's), (16, 5516), (82, 5708), (86, 5738), (120, 5855), (127, 5876), (133, 5891), (193, 6065), (202, 6107), (206, 6131), (207, 6134), (215, 6173), (224, 6245), (249, 6305), (250, 6308), (251, 6311), (255, 6347), (257, 6356), (259, 6362), (260, 6365), (271, 6428), (277, 6473), (283, 6503), (288, 6551), (300, 6608), (306, 6629), (317, 6656), (318, 6659), (324, 6686), (331, 6737), (337, 6785),

Gene: NyleyClemson_19 Start: 7931, Stop: 9820, Start Num: 38

Candidate Starts for NyleyClemson_19:

(Start: 38 @7931 has 16 MA's), (42, 7940), (58, 7979), (87, 8102), (91, 8120), (114, 8195), (140, 8270), (206, 8513), (249, 8705), (278, 8879), (281, 8891), (307, 9041), (323, 9092), (327, 9125), (328, 9131), (333, 9164), (338, 9200), (345, 9227), (358, 9266), (368, 9299), (434, 9566), (459, 9683), (471, 9779),

Gene: Odyssey395_24 Start: 9446, Stop: 11332, Start Num: 38

Candidate Starts for Odyssey395_24:

(Start: 38 @9446 has 16 MA's), (42, 9455), (58, 9494), (87, 9617), (91, 9635), (104, 9686), (114, 9710), (140, 9785), (249, 10220), (278, 10394), (281, 10406), (307, 10556), (323, 10607), (327, 10640), (328, 10646), (333, 10679), (338, 10715), (345, 10742), (358, 10781), (364, 10802), (368, 10814), (434, 11078), (459, 11195), (471, 11291),

Gene: Ollypop_20 Start: 8427, Stop: 10322, Start Num: 38

Candidate Starts for Ollypop_20:

(Start: 38 @8427 has 16 MA's), (42, 8436), (57, 8472), (58, 8475), (87, 8598), (91, 8616), (98, 8646), (104, 8667), (114, 8691), (118, 8703), (133, 8742), (139, 8760), (140, 8766), (192, 8940), (206, 9009), (232, 9150), (249, 9201), (278, 9375), (281, 9387), (307, 9537), (323, 9588), (327, 9621), (328, 9627), (333, 9660), (338, 9696), (358, 9762), (368, 9795), (434, 10071), (440, 10092), (445, 10110), (471, 10284),

Gene: OneinaGillian_21 Start: 7426, Stop: 9225, Start Num: 41

Candidate Starts for OneinaGillian_21:

(Start: 41 @7426 has 49 MA's), (75, 7525), (114, 7690), (133, 7741), (144, 7771), (170, 7837), (226, 8104), (238, 8149), (254, 8236), (256, 8245), (264, 8281), (270, 8317), (277, 8365), (278, 8371), (281, 8383), (285, 8419), (288, 8443), (323, 8578), (338, 8686), (343, 8707), (369, 8788), (373, 8797), (415, 8908), (420, 8926), (429, 8962), (447, 9028), (458, 9097), (463, 9130), (473, 9205),

Gene: Onika_19 Start: 8448, Stop: 10124, Start Num: 13

Candidate Starts for Onika_19:

(Start: 13 @8448 has 39 MA's), (Start: 15 @8457 has 14 MA's), (53, 8571), (55, 8577), (82, 8682), (84, 8694), (103, 8793), (106, 8799), (110, 8811), (124, 8865), (132, 8883), (144, 8937), (157, 8967), (169, 9006), (174, 9024), (175, 9033), (183, 9069), (196, 9132), (208, 9195), (213, 9222), (217, 9267), (249, 9369), (250, 9372), (255, 9411), (260, 9429), (273, 9501), (283, 9567), (284, 9576), (288, 9615), (294, 9648), (301, 9681), (303, 9687), (313, 9717), (317, 9732), (340, 9870), (345, 9885), (352, 9906), (353, 9909),

Gene: Panchaali_68 Start: 28678, Stop: 30309, Start Num: 32

Candidate Starts for Panchaali_68:

(Start: 32 @28678 has 8 MA's), (Start: 51 @28738 has 1 MA's), (91, 28915), (92, 28918), (139, 29089), (140, 29095), (194, 29284), (196, 29293), (223, 29455), (240, 29500), (249, 29548), (256, 29596), (261, 29620), (279, 29728), (313, 29893), (363, 30124), (376, 30166), (425, 30298),

Gene: Paries_13 Start: 6785, Stop: 8407, Start Num: 5

Candidate Starts for Paries_13:

(Start: 5 @6785 has 110 MA's), (56, 6944), (65, 6983), (81, 7046), (99, 7139), (106, 7166), (120, 7205), (169, 7325), (171, 7334), (185, 7394), (200, 7463), (204, 7484), (208, 7502), (210, 7517), (211, 7523), (220, 7586), (246, 7646), (249, 7658), (254, 7697), (257, 7709), (260, 7718), (266, 7763), (271, 7793), (277, 7838), (280, 7853), (281, 7856), (285, 7892), (291, 7940), (294, 7949), (300, 7976), (337, 8153), (357, 8210), (361, 8216), (367, 8231), (374, 8252), (377, 8258), (392, 8294), (401, 8321),

Gene: Paschalis_19 Start: 8434, Stop: 10140, Start Num: 13

Candidate Starts for Paschalis_19:

(Start: 13 @8434 has 39 MA's), (Start: 15 @8443 has 14 MA's), (18, 8458), (53, 8557), (55, 8563), (82, 8668), (84, 8680), (103, 8779), (106, 8785), (110, 8797), (124, 8851), (132, 8869), (144, 8923), (157, 8953), (169, 8992), (174, 9010), (175, 9019), (183, 9055), (196, 9118), (208, 9181), (213, 9208), (217, 9253), (249, 9355), (250, 9358), (255, 9397), (260, 9415), (273, 9487), (283, 9553), (284, 9562), (288, 9601), (294, 9634), (301, 9667), (303, 9673), (313, 9703), (340, 9856), (345, 9871), (352, 9892), (353, 9895), (424, 10108),

Gene: Patbob_74 Start: 33329, Stop: 35014, Start Num: 28

Candidate Starts for Patbob_74:

(Start: 28 @33329 has 3 MA's), (Start: 32 @33335 has 8 MA's), (62, 33440), (90, 33563), (92, 33575), (124, 33698), (196, 33950), (204, 33995), (239, 34151), (240, 34160), (241, 34172), (249, 34208), (253, 34229), (283, 34406), (355, 34760), (376, 34826), (379, 34832), (412, 34958), (414, 34967), (425, 35003),

Gene: PauloDiaboli_82 Start: 29189, Stop: 30925, Start Num: 37

Candidate Starts for PauloDiaboli_82:

(Start: 37 @29189 has 6 MA's), (55, 29252), (57, 29261), (78, 29339), (90, 29411), (91, 29420), (96, 29444), (99, 29453), (122, 29534), (148, 29627), (169, 29684), (194, 29807), (204, 29861), (221, 29969), (249, 30080), (255, 30122), (271, 30203), (274, 30224), (284, 30287), (290, 30347), (298, 30380), (314, 30428), (326, 30488), (345, 30599), (377, 30707), (405, 30827), (410, 30851),

Gene: Pepe25_20 Start: 7682, Stop: 9481, Start Num: 41

Candidate Starts for Pepe25_20:

(Start: 41 @7682 has 49 MA's), (133, 7997), (144, 8027), (170, 8093), (226, 8360), (254, 8492), (264, 8537), (270, 8573), (277, 8621), (278, 8627), (281, 8639), (285, 8675), (288, 8699), (323, 8834), (338, 8942), (343, 8963), (358, 9008), (369, 9044), (420, 9182), (429, 9218), (447, 9284), (458, 9353), (463, 9386), (472, 9455),

Gene: Phabia_22 Start: 8559, Stop: 10385, Start Num: 41

Candidate Starts for Phabia_22:

(Start: 41 @8559 has 49 MA's), (84, 8709), (118, 8844), (133, 8883), (164, 8961), (170, 8979), (208, 9129), (210, 9144), (217, 9201), (232, 9270), (244, 9318), (246, 9327), (271, 9462), (277, 9507), (278, 9513), (281, 9525), (288, 9585), (323, 9714), (324, 9720), (327, 9747), (344, 9846), (359, 9891), (420, 10086), (429, 10122), (434, 10140), (446, 10185),

Gene: Phauci_6 Start: 3603, Stop: 5237, Start Num: 5

Candidate Starts for Phauci_6:

(Start: 5 @3603 has 110 MA's), (9, 3630), (12, 3639), (17, 3675), (42, 3741), (61, 3798), (71, 3831), (81, 3876), (85, 3906), (86, 3915), (92, 3939), (95, 3954), (120, 4035), (140, 4092), (168, 4152), (171, 4164), (175, 4182), (185, 4224), (204, 4314), (208, 4332), (210, 4347), (211, 4353), (217, 4407), (221, 4428), (249, 4488), (250, 4491), (260, 4548), (261, 4572), (266, 4593), (271, 4623), (277, 4668), (281, 4686), (284, 4707), (291, 4770), (296, 4791), (300, 4806), (318, 4857), (335, 4962), (337, 4983), (345, 5013), (354, 5031), (377, 5097), (387, 5118), (402, 5172),

Gene: PhedwardCullen_18 Start: 8217, Stop: 9884, Start Num: 15

Candidate Starts for PhedwardCullen_18:

(Start: 13 @8208 has 39 MA's), (Start: 15 @8217 has 14 MA's), (18, 8232), (53, 8331), (55, 8337), (82, 8442), (84, 8454), (103, 8553), (106, 8559), (110, 8571), (124, 8625), (132, 8643), (144, 8697), (157, 8727), (169, 8766), (174, 8784), (175, 8793), (183, 8829), (196, 8892), (208, 8955), (213, 8982), (217, 9027), (249, 9129), (250, 9132), (255, 9171), (260, 9189), (273, 9261), (283, 9327), (284, 9336), (288, 9375), (294, 9408), (301, 9441), (303, 9447), (313, 9477), (317, 9492), (340, 9630), (345, 9645), (352, 9666), (353, 9669),

Gene: Phendrix_65 Start: 24534, Stop: 26360, Start Num: 21

Candidate Starts for Phendrix_65:

(Start: 21 @24534 has 1 MA's), (Start: 26 @24546 has 2 MA's), (44, 24591), (49, 24615), (73, 24702), (89, 24786), (90, 24789), (100, 24834), (153, 25047), (178, 25146), (182, 25170), (204, 25290), (209, 25320), (214, 25338), (216, 25365), (243, 25461), (249, 25485), (254, 25524), (258, 25539), (266, 25578), (267, 25581), (268, 25584), (275, 25632), (278, 25659), (283, 25683), (292, 25758), (293, 25761), (294, 25764), (296, 25776), (298, 25785), (302, 25800), (341, 25998), (358, 26049), (380, 26124), (383, 26145), (416, 26262),

Gene: Phinally_13 Start: 7070, Stop: 8704, Start Num: 5

Candidate Starts for Phinally_13:

(Start: 5 @7070 has 110 MA's), (9, 7097), (12, 7106), (17, 7142), (Start: 29 @7184 has 1 MA's), (42, 7208), (61, 7265), (71, 7298), (81, 7343), (85, 7373), (86, 7382), (92, 7406), (95, 7421), (120, 7502), (140, 7559), (168, 7619), (171, 7631), (175, 7649), (185, 7691), (204, 7781), (208, 7799), (210, 7814), (211, 7820), (217, 7874), (221, 7895), (249, 7955), (250, 7958), (260, 8015), (261, 8039), (271, 8090),

(277, 8135), (281, 8153), (284, 8174), (291, 8237), (296, 8258), (300, 8273), (318, 8324), (335, 8429), (337, 8450), (345, 8480), (354, 8498), (377, 8564), (387, 8585), (402, 8639),

Gene: Phinky_28 Start: 9498, Stop: 11324, Start Num: 41

Candidate Starts for Phinky_28:

(Start: 41 @9498 has 49 MA's), (52, 9519), (84, 9648), (133, 9825), (162, 9897), (164, 9906), (165, 9909), (188, 9993), (219, 10158), (234, 10224), (271, 10401), (277, 10446), (278, 10452), (281, 10464), (288, 10524), (323, 10653), (324, 10659), (333, 10725), (344, 10785), (420, 11025), (447, 11127), (472, 11298), (475, 11316),

Gene: Phlop_12 Start: 5562, Stop: 7145, Start Num: 5

Candidate Starts for Phlop_12:

(Start: 5 @5562 has 110 MA's), (34, 5676), (86, 5844), (121, 5964), (127, 5982), (133, 5997), (186, 6147), (195, 6177), (206, 6237), (207, 6240), (215, 6279), (224, 6351), (249, 6411), (250, 6414), (251, 6417), (255, 6453), (257, 6462), (259, 6468), (260, 6471), (271, 6534), (277, 6579), (283, 6609), (288, 6657), (300, 6714), (306, 6735), (308, 6741), (317, 6762), (324, 6792), (331, 6843), (337, 6891),

Gene: Phorgeous_19 Start: 8286, Stop: 9992, Start Num: 13

Candidate Starts for Phorgeous_19:

(Start: 13 @8286 has 39 MA's), (Start: 15 @8295 has 14 MA's), (18, 8310), (53, 8409), (55, 8415), (82, 8520), (84, 8532), (103, 8631), (106, 8637), (124, 8703), (132, 8721), (144, 8775), (157, 8805), (169, 8844), (174, 8862), (175, 8871), (183, 8907), (196, 8970), (208, 9033), (213, 9060), (217, 9105), (249, 9207), (250, 9210), (255, 9249), (260, 9267), (273, 9339), (283, 9405), (284, 9414), (288, 9453), (294, 9486), (301, 9519), (303, 9525), (313, 9555), (340, 9708), (345, 9723), (352, 9744), (353, 9747), (422, 9951), (424, 9960),

Gene: Phrampa_68 Start: 30361, Stop: 32055, Start Num: 32

Candidate Starts for Phrampa_68:

(Start: 28 @30355 has 3 MA's), (Start: 32 @30361 has 8 MA's), (62, 30463), (90, 30586), (92, 30598), (102, 30646), (124, 30721), (148, 30802), (196, 30973), (204, 31018), (217, 31105), (239, 31174), (240, 31183), (249, 31231), (253, 31252), (257, 31282), (283, 31429), (355, 31783), (379, 31855), (412, 31996), (414, 32005), (425, 32044),

Gene: Phrancesco_21 Start: 8565, Stop: 10271, Start Num: 13

Candidate Starts for Phrancesco_21:

(Start: 13 @8565 has 39 MA's), (Start: 15 @8574 has 14 MA's), (18, 8589), (53, 8688), (55, 8694), (82, 8799), (84, 8811), (103, 8910), (106, 8916), (124, 8982), (132, 9000), (144, 9054), (157, 9084), (169, 9123), (174, 9141), (175, 9150), (183, 9186), (196, 9249), (208, 9312), (213, 9339), (217, 9384), (249, 9486), (250, 9489), (255, 9528), (260, 9546), (273, 9618), (283, 9684), (284, 9693), (288, 9732), (294, 9765), (301, 9798), (303, 9804), (313, 9834), (340, 9987), (345, 10002), (352, 10023), (353, 10026), (424, 10239),

Gene: PhuzzTulsa_20 Start: 9233, Stop: 11119, Start Num: 38

Candidate Starts for PhuzzTulsa_20:

(Start: 38 @9233 has 16 MA's), (42, 9242), (58, 9281), (87, 9404), (91, 9422), (104, 9473), (114, 9497), (140, 9572), (206, 9815), (249, 10007), (278, 10181), (281, 10193), (307, 10343), (323, 10394), (327, 10427), (328, 10433), (333, 10466), (338, 10502), (345, 10529), (358, 10568), (364, 10589), (368, 10601), (434, 10865), (459, 10982), (471, 11078),

Gene: PierreOrion_20 Start: 8589, Stop: 10295, Start Num: 13

Candidate Starts for PierreOrion_20:

(Start: 13 @8589 has 39 MA's), (Start: 15 @8598 has 14 MA's), (18, 8613), (53, 8712), (55, 8718), (82, 8823), (84, 8835), (103, 8934), (106, 8940), (110, 8952), (124, 9006), (132, 9024), (144, 9078), (157,

9108), (169, 9147), (174, 9165), (175, 9174), (183, 9210), (196, 9273), (208, 9336), (213, 9363), (217, 9408), (249, 9510), (250, 9513), (255, 9552), (260, 9570), (273, 9642), (283, 9708), (284, 9717), (288, 9756), (294, 9789), (301, 9822), (303, 9828), (313, 9858), (340, 10011), (345, 10026), (352, 10047), (353, 10050), (424, 10263),

Gene: PinkCoffee_12 Start: 5592, Stop: 7178, Start Num: 5

Candidate Starts for PinkCoffee_12:

(Start: 5 @5592 has 110 MA's), (82, 5844), (86, 5874), (120, 5991), (127, 6012), (133, 6027), (193, 6201), (202, 6243), (206, 6267), (207, 6270), (215, 6309), (224, 6381), (249, 6441), (250, 6444), (251, 6447), (255, 6483), (257, 6492), (259, 6498), (260, 6501), (271, 6564), (277, 6609), (283, 6639), (288, 6687), (300, 6744), (306, 6765), (317, 6792), (318, 6795), (324, 6822), (331, 6873), (337, 6921),

Gene: PiperSansNom_20 Start: 8738, Stop: 10444, Start Num: 13

Candidate Starts for PiperSansNom_20:

(Start: 13 @8738 has 39 MA's), (Start: 15 @8747 has 14 MA's), (18, 8762), (53, 8861), (55, 8867), (82, 8972), (84, 8984), (103, 9083), (106, 9089), (110, 9101), (124, 9155), (132, 9173), (144, 9227), (157, 9257), (169, 9296), (174, 9314), (175, 9323), (183, 9359), (196, 9422), (208, 9485), (213, 9512), (249, 9659), (250, 9662), (255, 9701), (260, 9719), (273, 9791), (283, 9857), (284, 9866), (288, 9905), (294, 9938), (301, 9971), (303, 9977), (313, 10007), (340, 10160), (345, 10175), (352, 10196), (353, 10199), (422, 10403), (424, 10412),

Gene: Piperis_20 Start: 8441, Stop: 10117, Start Num: 13

Candidate Starts for Piperis_20:

(Start: 13 @8441 has 39 MA's), (Start: 15 @8450 has 14 MA's), (18, 8465), (53, 8564), (55, 8570), (82, 8675), (84, 8687), (103, 8786), (106, 8792), (110, 8804), (124, 8858), (132, 8876), (144, 8930), (157, 8960), (169, 8999), (174, 9017), (175, 9026), (183, 9062), (196, 9125), (208, 9188), (213, 9215), (217, 9260), (249, 9362), (250, 9365), (255, 9404), (260, 9422), (273, 9494), (283, 9560), (284, 9569), (288, 9608), (294, 9641), (301, 9674), (303, 9680), (313, 9710), (340, 9863), (345, 9878), (352, 9899), (353, 9902),

Gene: Pointis_22 Start: 9444, Stop: 11336, Start Num: 38

Candidate Starts for Pointis_22:

(Start: 38 @9444 has 16 MA's), (42, 9453), (58, 9492), (87, 9615), (91, 9633), (104, 9684), (114, 9708), (140, 9783), (206, 10026), (249, 10218), (278, 10392), (281, 10404), (307, 10554), (323, 10605), (327, 10638), (328, 10644), (333, 10677), (338, 10713), (345, 10740), (358, 10779), (364, 10800), (368, 10812), (434, 11082), (459, 11199), (471, 11295),

Gene: Popstraw_21 Start: 9233, Stop: 11122, Start Num: 38

Candidate Starts for Popstraw_21:

(Start: 38 @9233 has 16 MA's), (42, 9242), (58, 9281), (87, 9404), (91, 9422), (104, 9473), (114, 9497), (140, 9572), (206, 9815), (249, 10007), (278, 10181), (281, 10193), (307, 10343), (323, 10394), (327, 10427), (328, 10433), (333, 10466), (338, 10502), (345, 10529), (358, 10568), (364, 10589), (368, 10601), (434, 10868), (459, 10985), (471, 11081),

Gene: Portcullis_12 Start: 5515, Stop: 7101, Start Num: 5

Candidate Starts for Portcullis_12:

(Start: 5 @5515 has 110 MA's), (34, 5629), (86, 5797), (121, 5917), (127, 5935), (133, 5950), (186, 6100), (195, 6130), (206, 6190), (207, 6193), (215, 6232), (224, 6304), (249, 6364), (250, 6367), (251, 6370), (255, 6406), (257, 6415), (259, 6421), (260, 6424), (271, 6487), (277, 6532), (283, 6562), (288, 6610), (300, 6667), (306, 6688), (308, 6694), (317, 6715), (318, 6718), (324, 6745), (331, 6796), (337, 6844),

Gene: Pulchra_21 Start: 8840, Stop: 10516, Start Num: 13

Candidate Starts for Pulchra_21:

(Start: 13 @8840 has 39 MA's), (Start: 15 @8849 has 14 MA's), (18, 8864), (53, 8963), (55, 8969), (82, 9074), (84, 9086), (103, 9185), (106, 9191), (110, 9203), (124, 9257), (132, 9275), (144, 9329), (157, 9359), (169, 9398), (174, 9416), (175, 9425), (183, 9461), (196, 9524), (208, 9587), (213, 9614), (249, 9761), (250, 9764), (255, 9803), (260, 9821), (273, 9893), (283, 9959), (284, 9968), (288, 10007), (294, 10040), (301, 10073), (303, 10079), (313, 10109), (317, 10124), (340, 10262), (345, 10277), (352, 10298), (353, 10301),

Gene: PullumCavea_12 Start: 5562, Stop: 7145, Start Num: 5

Candidate Starts for PullumCavea_12:

(Start: 5 @5562 has 110 MA's), (34, 5676), (86, 5844), (121, 5964), (127, 5982), (133, 5997), (186, 6147), (195, 6177), (206, 6237), (207, 6240), (215, 6279), (224, 6351), (249, 6411), (250, 6414), (251, 6417), (255, 6453), (257, 6462), (259, 6468), (260, 6471), (271, 6534), (277, 6579), (283, 6609), (288, 6657), (300, 6714), (306, 6735), (308, 6741), (317, 6762), (324, 6792), (331, 6843), (337, 6891),

Gene: Pumpernickel_80 Start: 31376, Stop: 33094, Start Num: 37

Candidate Starts for Pumpernickel_80:

(4, 31238), (7, 31247), (8, 31259), (Start: 37 @31376 has 6 MA's), (68, 31490), (148, 31817), (182, 31934), (204, 32051), (221, 32159), (249, 32267), (271, 32390), (274, 32411), (283, 32465), (290, 32534), (329, 32702), (345, 32786), (346, 32789), (347, 32792), (367, 32858),

Gene: Pumpkiney_15 Start: 6191, Stop: 7864, Start Num: 5

Candidate Starts for Pumpkiney_15:

(Start: 5 @6191 has 110 MA's), (17, 6266), (33, 6314), (60, 6401), (81, 6482), (85, 6512), (86, 6521), (121, 6644), (128, 6665), (135, 6689), (169, 6761), (171, 6770), (197, 6881), (204, 6920), (206, 6929), (208, 6938), (209, 6950), (210, 6953), (211, 6959), (221, 7034), (249, 7094), (271, 7229), (277, 7274), (284, 7313), (289, 7364), (296, 7397), (299, 7409), (300, 7412), (308, 7439), (318, 7463), (331, 7541), (337, 7592), (345, 7622), (347, 7628), (368, 7685), (387, 7730),

Gene: Pureglobe5_24 Start: 9460, Stop: 11346, Start Num: 38

Candidate Starts for Pureglobe5_24:

(Start: 38 @9460 has 16 MA's), (42, 9469), (58, 9508), (87, 9631), (91, 9649), (104, 9700), (114, 9724), (140, 9799), (249, 10234), (278, 10408), (281, 10420), (307, 10570), (323, 10621), (327, 10654), (328, 10660), (333, 10693), (338, 10729), (345, 10756), (358, 10795), (364, 10816), (368, 10828), (434, 11092), (459, 11209), (471, 11305),

Gene: Purplicious_39 Start: 17441, Stop: 19399, Start Num: 20

Candidate Starts for Purplicious_39:

(Start: 20 @17441 has 6 MA's), (39, 17486), (59, 17537), (66, 17564), (112, 17753), (175, 17912), (196, 18005), (209, 18080), (220, 18149), (221, 18161), (222, 18167), (242, 18269), (244, 18302), (257, 18374), (258, 18377), (264, 18407), (271, 18446), (278, 18497), (284, 18530), (316, 18674), (317, 18677), (324, 18707), (339, 18815), (350, 18851), (353, 18860), (397, 18995), (421, 19076), (429, 19109), (449, 19199), (470, 19352), (476, 19391),

Gene: Quammi_20 Start: 8130, Stop: 9956, Start Num: 41

Candidate Starts for Quammi_20:

(Start: 41 @8130 has 49 MA's), (84, 8280), (118, 8415), (133, 8454), (164, 8532), (170, 8550), (208, 8700), (210, 8715), (217, 8772), (232, 8841), (244, 8889), (246, 8898), (271, 9033), (277, 9078), (278, 9084), (281, 9096), (288, 9156), (323, 9285), (324, 9291), (327, 9318), (344, 9417), (359, 9462), (420, 9657), (429, 9693), (434, 9711), (446, 9756),

Gene: Quhwah_22 Start: 8789, Stop: 10495, Start Num: 13

Candidate Starts for Quhwah_22:

(Start: 13 @8789 has 39 MA's), (Start: 15 @8798 has 14 MA's), (53, 8912), (55, 8918), (82, 9023), (84, 9035), (103, 9134), (106, 9140), (110, 9152), (124, 9206), (132, 9224), (144, 9278), (157, 9308), (169, 9347), (174, 9365), (175, 9374), (183, 9410), (196, 9473), (208, 9536), (213, 9563), (217, 9608), (249, 9710), (250, 9713), (255, 9752), (260, 9770), (273, 9842), (283, 9908), (284, 9917), (288, 9956), (294, 9989), (301, 10022), (303, 10028), (313, 10058), (340, 10211), (345, 10226), (352, 10247), (353, 10250), (422, 10454), (424, 10463),

Gene: RIPWilbur_20 Start: 8596, Stop: 10482, Start Num: 38

Candidate Starts for RIPWilbur_20:

(Start: 38 @8596 has 16 MA's), (42, 8605), (58, 8644), (87, 8767), (91, 8785), (104, 8836), (114, 8860), (140, 8935), (206, 9178), (249, 9370), (278, 9544), (281, 9556), (307, 9706), (323, 9757), (327, 9790), (328, 9796), (333, 9829), (338, 9865), (345, 9892), (358, 9931), (364, 9952), (368, 9964), (434, 10228), (459, 10345), (471, 10441),

Gene: Racecar_77 Start: 33689, Stop: 35374, Start Num: 28

Candidate Starts for Racecar_77:

(Start: 28 @33689 has 3 MA's), (Start: 32 @33695 has 8 MA's), (62, 33800), (90, 33923), (92, 33935), (124, 34058), (196, 34310), (204, 34355), (239, 34511), (240, 34520), (241, 34532), (249, 34568), (253, 34589), (283, 34766), (355, 35120), (376, 35186), (379, 35192), (412, 35318), (414, 35327), (425, 35363),

Gene: Ramiel05_19 Start: 8475, Stop: 10151, Start Num: 13

Candidate Starts for Ramiel05_19:

(Start: 13 @8475 has 39 MA's), (Start: 15 @8484 has 14 MA's), (53, 8598), (55, 8604), (82, 8709), (84, 8721), (103, 8820), (106, 8826), (110, 8838), (124, 8892), (132, 8910), (144, 8964), (157, 8994), (169, 9033), (174, 9051), (175, 9060), (183, 9096), (196, 9159), (208, 9222), (213, 9249), (249, 9396), (250, 9399), (255, 9438), (260, 9456), (273, 9528), (283, 9594), (284, 9603), (294, 9675), (301, 9708), (303, 9714), (313, 9744), (317, 9759), (340, 9897), (345, 9912), (352, 9933), (353, 9936),

Gene: Ranunculus_17 Start: 8385, Stop: 10292, Start Num: 38

Candidate Starts for Ranunculus_17:

(Start: 38 @8385 has 16 MA's), (58, 8433), (87, 8556), (91, 8574), (104, 8625), (114, 8649), (118, 8661), (139, 8718), (140, 8724), (249, 9159), (277, 9327), (278, 9333), (281, 9345), (323, 9546), (327, 9579), (328, 9585), (333, 9618), (338, 9654), (358, 9720), (368, 9753), (372, 9765), (408, 9921), (415, 9957), (421, 9978), (429, 10011), (459, 10155), (466, 10209), (468, 10239),

Gene: RazzB_18 Start: 7759, Stop: 9648, Start Num: 38

Candidate Starts for RazzB_18:

(Start: 38 @7759 has 16 MA's), (42, 7768), (58, 7807), (87, 7930), (91, 7948), (104, 7999), (114, 8023), (140, 8098), (206, 8341), (249, 8533), (278, 8707), (281, 8719), (307, 8869), (323, 8920), (327, 8953), (328, 8959), (333, 8992), (338, 9028), (345, 9055), (358, 9094), (368, 9127), (434, 9394), (459, 9511), (471, 9607),

Gene: ReginaGlobina_75 Start: 31755, Stop: 33383, Start Num: 32

Candidate Starts for ReginaGlobina_75:

(Start: 32 @31755 has 8 MA's), (92, 31995), (140, 32172), (196, 32370), (223, 32532), (240, 32574), (241, 32586), (249, 32622), (279, 32802), (290, 32889), (313, 32967), (363, 33198), (388, 33285), (412, 33333), (425, 33372),

Gene: Ren19_16 Start: 8462, Stop: 10354, Start Num: 38

Candidate Starts for Ren19_16:

(Start: 38 @8462 has 16 MA's), (42, 8471), (57, 8507), (58, 8510), (87, 8633), (91, 8651), (104, 8702), (114, 8726), (118, 8738), (133, 8777), (139, 8795), (140, 8801), (206, 9044), (232, 9185), (249, 9236),

(278, 9410), (281, 9422), (323, 9623), (327, 9656), (328, 9662), (333, 9695), (337, 9728), (338, 9731), (358, 9797), (359, 9800), (368, 9830), (434, 10103), (445, 10142), (471, 10316),

Gene: Ribeye_13 Start: 6470, Stop: 8098, Start Num: 5

Candidate Starts for Ribeye_13:

(Start: 5 @6470 has 110 MA's), (Start: 38 @6593 has 16 MA's), (46, 6614), (65, 6671), (81, 6734), (85, 6764), (99, 6827), (106, 6854), (171, 7022), (191, 7109), (199, 7148), (204, 7172), (208, 7190), (210, 7205), (211, 7211), (220, 7274), (249, 7346), (254, 7385), (266, 7451), (271, 7481), (277, 7526), (280, 7541), (281, 7544), (285, 7580), (291, 7628), (294, 7637), (300, 7664), (308, 7691), (323, 7736), (334, 7811), (337, 7841), (341, 7859), (357, 7898), (361, 7904), (367, 7919), (374, 7940), (377, 7946), (392, 7982), (402, 8015),

Gene: RiverRaider_13 Start: 6026, Stop: 7657, Start Num: 5

Candidate Starts for RiverRaider_13:

(Start: 5 @6026 has 110 MA's), (65, 6227), (81, 6290), (99, 6383), (117, 6440), (168, 6566), (171, 6578), (200, 6707), (204, 6728), (208, 6746), (210, 6761), (211, 6767), (249, 6902), (254, 6941), (260, 6962), (266, 7007), (271, 7037), (277, 7082), (280, 7097), (281, 7100), (285, 7136), (294, 7193), (300, 7220), (308, 7247), (330, 7346), (331, 7349), (333, 7364), (336, 7388), (337, 7397), (341, 7415), (346, 7430), (357, 7454), (366, 7472), (367, 7475), (374, 7496), (384, 7517), (392, 7541), (401, 7568), (411, 7607),

Gene: Rizwana_16 Start: 8365, Stop: 10227, Start Num: 38

Candidate Starts for Rizwana_16:

(Start: 38 @8365 has 16 MA's), (42, 8374), (69, 8449), (81, 8497), (91, 8557), (98, 8587), (107, 8614), (133, 8680), (178, 8812), (192, 8872), (193, 8875), (220, 9031), (221, 9043), (244, 9118), (247, 9130), (249, 9139), (254, 9178), (266, 9232), (277, 9307), (302, 9454), (311, 9478), (312, 9484), (319, 9508), (323, 9526), (333, 9598), (338, 9634), (346, 9664), (359, 9703), (363, 9715), (372, 9745), (399, 9841), (408, 9880), (424, 9949), (433, 9982), (468, 10186), (469, 10189), (471, 10198),

Gene: RoadKill_11 Start: 5257, Stop: 6933, Start Num: 5

Candidate Starts for RoadKill_11:

(Start: 5 @5257 has 110 MA's), (11, 5290), (Start: 27 @5368 has 5 MA's), (47, 5422), (81, 5554), (85, 5584), (102, 5662), (108, 5680), (135, 5761), (169, 5833), (171, 5842), (185, 5902), (208, 6010), (209, 6022), (210, 6025), (211, 6031), (249, 6166), (250, 6169), (260, 6226), (271, 6301), (277, 6346), (281, 6364), (284, 6385), (288, 6424), (291, 6448), (296, 6469), (300, 6484), (318, 6535), (323, 6556), (337, 6661), (345, 6691), (356, 6715), (357, 6718), (387, 6796),

Gene: RobinRose_23 Start: 7894, Stop: 9693, Start Num: 41

Candidate Starts for RobinRose_23:

(Start: 41 @7894 has 49 MA's), (75, 7993), (114, 8158), (133, 8209), (144, 8239), (170, 8305), (226, 8572), (238, 8617), (254, 8704), (264, 8749), (270, 8785), (277, 8833), (278, 8839), (281, 8851), (285, 8887), (288, 8911), (323, 9046), (338, 9154), (343, 9175), (369, 9256), (373, 9265), (415, 9376), (420, 9394), (429, 9430), (447, 9496), (458, 9565), (463, 9598), (473, 9673),

Gene: RobsFeet_21 Start: 8347, Stop: 10041, Start Num: 13

Candidate Starts for RobsFeet_21:

(Start: 13 @8347 has 39 MA's), (Start: 15 @8356 has 14 MA's), (55, 8479), (82, 8584), (84, 8596), (103, 8695), (124, 8767), (132, 8785), (169, 8908), (172, 8920), (174, 8926), (175, 8935), (183, 8971), (196, 9034), (208, 9097), (213, 9124), (217, 9169), (231, 9220), (249, 9271), (250, 9274), (255, 9313), (257, 9322), (260, 9331), (266, 9364), (273, 9403), (283, 9469), (284, 9478), (285, 9493), (288, 9517), (301, 9583), (303, 9589), (313, 9616), (340, 9769), (353, 9808), (359, 9829), (373, 9874), (424, 10021),

Gene: Rockabye_78 Start: 34436, Stop: 36061, Start Num: 32

Candidate Starts for Rockabye_78:

(Start: 32 @34436 has 8 MA's), (64, 34544), (90, 34661), (92, 34673), (110, 34742), (169, 34934), (216, 35168), (239, 35243), (250, 35303), (274, 35444), (283, 35498), (284, 35507), (290, 35567), (345, 35819), (355, 35852), (379, 35924), (384, 35951), (425, 36050),

Gene: Rockwell_19 Start: 8475, Stop: 10151, Start Num: 13

Candidate Starts for Rockwell_19:

(Start: 13 @8475 has 39 MA's), (Start: 15 @8484 has 14 MA's), (53, 8598), (55, 8604), (82, 8709), (84, 8721), (103, 8820), (106, 8826), (110, 8838), (124, 8892), (132, 8910), (144, 8964), (157, 8994), (169, 9033), (174, 9051), (175, 9060), (183, 9096), (196, 9159), (208, 9222), (213, 9249), (249, 9396), (250, 9399), (255, 9438), (260, 9456), (273, 9528), (283, 9594), (284, 9603), (294, 9675), (301, 9708), (303, 9714), (313, 9744), (317, 9759), (340, 9897), (345, 9912), (352, 9933), (353, 9936),

Gene: Rofo_12 Start: 7025, Stop: 8647, Start Num: 5

Candidate Starts for Rofo_12:

(Start: 5 @7025 has 110 MA's), (56, 7184), (65, 7223), (81, 7286), (99, 7379), (106, 7406), (120, 7445), (171, 7574), (185, 7634), (200, 7703), (204, 7724), (208, 7742), (210, 7757), (211, 7763), (220, 7826), (246, 7886), (249, 7898), (254, 7937), (257, 7949), (260, 7958), (266, 8003), (271, 8033), (277, 8078), (280, 8093), (281, 8096), (285, 8132), (291, 8180), (294, 8189), (300, 8216), (337, 8393), (357, 8450), (361, 8456), (367, 8471), (374, 8492), (377, 8498), (392, 8534), (401, 8561),

Gene: RogerDodger_13 Start: 5819, Stop: 7405, Start Num: 5

Candidate Starts for RogerDodger_13:

(Start: 5 @5819 has 110 MA's), (52, 5963), (74, 6035), (86, 6101), (93, 6134), (120, 6218), (127, 6239), (133, 6254), (193, 6428), (195, 6434), (202, 6470), (206, 6494), (207, 6497), (215, 6536), (224, 6608), (249, 6668), (250, 6671), (251, 6674), (255, 6710), (257, 6719), (259, 6725), (260, 6728), (271, 6791), (277, 6836), (283, 6866), (288, 6914), (300, 6971), (306, 6992), (317, 7019), (318, 7022), (324, 7049), (331, 7100), (337, 7148),

Gene: RomansRevenge_13 Start: 6363, Stop: 8228, Start Num: 29

Candidate Starts for RomansRevenge_13:

(Start: 29 @6363 has 1 MA's), (Start: 38 @6378 has 16 MA's), (63, 6444), (69, 6462), (90, 6561), (91, 6570), (92, 6573), (94, 6585), (95, 6588), (105, 6621), (116, 6648), (133, 6693), (172, 6795), (179, 6822), (184, 6837), (192, 6876), (198, 6909), (203, 6927), (206, 6945), (220, 7035), (221, 7047), (244, 7131), (249, 7152), (255, 7194), (266, 7245), (277, 7320), (278, 7326), (281, 7338), (290, 7419), (297, 7449), (309, 7485), (323, 7530), (338, 7638), (400, 7845), (414, 7881), (433, 7950), (444, 7998), (451, 8037), (459, 8082), (471, 8178),

Gene: Romm_23 Start: 7894, Stop: 9693, Start Num: 41

Candidate Starts for Romm_23:

(Start: 41 @7894 has 49 MA's), (75, 7993), (114, 8158), (133, 8209), (144, 8239), (170, 8305), (226, 8572), (238, 8617), (254, 8704), (264, 8749), (270, 8785), (277, 8833), (278, 8839), (281, 8851), (285, 8887), (288, 8911), (323, 9046), (338, 9154), (343, 9175), (369, 9256), (373, 9265), (415, 9376), (420, 9394), (429, 9430), (447, 9496), (458, 9565), (463, 9598), (473, 9673),

Gene: Rowlf_18 Start: 7897, Stop: 9723, Start Num: 41

Candidate Starts for Rowlf_18:

(Start: 41 @7897 has 49 MA's), (118, 8182), (133, 8221), (164, 8299), (170, 8317), (208, 8467), (210, 8482), (217, 8539), (232, 8608), (244, 8656), (246, 8665), (271, 8800), (277, 8845), (278, 8851), (281, 8863), (288, 8923), (323, 9052), (324, 9058), (327, 9085), (344, 9184), (359, 9229), (420, 9424), (429, 9460), (434, 9478), (446, 9523),

Gene: RubyRalph_24 Start: 8991, Stop: 10805, Start Num: 41

Candidate Starts for RubyRalph_24:

(Start: 30 @8970 has 1 MA's), (Start: 41 @8991 has 49 MA's), (133, 9318), (139, 9336), (144, 9348), (194, 9492), (208, 9564), (212, 9588), (218, 9639), (245, 9753), (252, 9780), (255, 9810), (271, 9891), (277, 9936), (278, 9942), (281, 9954), (288, 10014), (307, 10098), (323, 10143), (324, 10149), (333, 10215), (344, 10275), (373, 10365), (395, 10425), (420, 10506), (466, 10731),

Gene: Rudy_20 Start: 8130, Stop: 9956, Start Num: 41

Candidate Starts for Rudy_20:

(Start: 41 @8130 has 49 MA's), (84, 8280), (118, 8415), (133, 8454), (164, 8532), (170, 8550), (208, 8700), (210, 8715), (217, 8772), (232, 8841), (244, 8889), (246, 8898), (271, 9033), (277, 9078), (278, 9084), (281, 9096), (288, 9156), (323, 9285), (324, 9291), (327, 9318), (344, 9417), (359, 9462), (420, 9657), (429, 9693), (434, 9711), (446, 9756),

Gene: SJReid_79 Start: 34914, Stop: 36533, Start Num: 32

Candidate Starts for SJReid_79:

(Start: 32 @34914 has 8 MA's), (62, 35016), (64, 35022), (92, 35151), (142, 35334), (247, 35763), (250, 35775), (253, 35793), (283, 35970), (290, 36039), (345, 36291), (355, 36324), (379, 36396), (384, 36423), (412, 36480), (425, 36522),

Gene: SadLad_25 Start: 9427, Stop: 11262, Start Num: 30

Candidate Starts for SadLad_25:

(Start: 30 @9427 has 1 MA's), (Start: 41 @9448 has 49 MA's), (133, 9775), (139, 9793), (144, 9805), (194, 9949), (208, 10021), (212, 10045), (218, 10096), (245, 10210), (252, 10237), (255, 10267), (271, 10348), (277, 10393), (278, 10399), (281, 10411), (288, 10471), (307, 10555), (323, 10600), (324, 10606), (333, 10672), (344, 10732), (373, 10822), (395, 10882), (420, 10963), (466, 11188),

Gene: SallyK_23 Start: 9291, Stop: 11117, Start Num: 41

Candidate Starts for SallyK_23:

(Start: 41 @9291 has 49 MA's), (84, 9441), (118, 9576), (133, 9615), (164, 9693), (170, 9711), (208, 9861), (210, 9876), (217, 9933), (232, 10002), (244, 10050), (246, 10059), (271, 10194), (277, 10239), (278, 10245), (288, 10317), (323, 10446), (324, 10452), (327, 10479), (344, 10578), (359, 10623), (420, 10818), (429, 10854), (434, 10872), (446, 10917),

Gene: Salvador_12 Start: 5434, Stop: 7020, Start Num: 5

Candidate Starts for Salvador_12:

(Start: 5 @5434 has 110 MA's), (82, 5686), (86, 5716), (120, 5833), (127, 5854), (133, 5869), (193, 6043), (202, 6085), (206, 6109), (207, 6112), (215, 6151), (224, 6223), (249, 6283), (250, 6286), (251, 6289), (255, 6325), (257, 6334), (259, 6340), (260, 6343), (271, 6406), (277, 6451), (283, 6481), (288, 6529), (300, 6586), (306, 6607), (317, 6634), (318, 6637), (324, 6664), (331, 6715), (337, 6763),

Gene: Sampson_14 Start: 6902, Stop: 8572, Start Num: 5

Candidate Starts for Sampson_14:

(Start: 5 @6902 has 110 MA's), (17, 6977), (22, 6998), (33, 7025), (60, 7112), (81, 7193), (85, 7223), (86, 7232), (103, 7307), (108, 7319), (121, 7355), (135, 7400), (169, 7472), (171, 7481), (197, 7592), (204, 7631), (206, 7640), (208, 7649), (209, 7661), (210, 7664), (211, 7670), (221, 7745), (246, 7793), (249, 7805), (269, 7925), (271, 7940), (277, 7985), (284, 8024), (289, 8075), (296, 8108), (299, 8120), (300, 8123), (308, 8150), (318, 8174), (331, 8252), (337, 8303), (345, 8333), (347, 8339), (368, 8396), (387, 8441),

Gene: Sanjuju_11 Start: 6983, Stop: 8605, Start Num: 5

Candidate Starts for Sanjuju_11:

(Start: 5 @6983 has 110 MA's), (Start: 38 @7103 has 16 MA's), (56, 7142), (65, 7181), (81, 7244), (99, 7337), (106, 7364), (120, 7403), (171, 7532), (185, 7592), (200, 7661), (204, 7682), (208, 7700), (210,

7715), (211, 7721), (220, 7784), (246, 7844), (249, 7856), (254, 7895), (257, 7907), (260, 7916), (263, 7949), (266, 7961), (271, 7991), (277, 8036), (280, 8051), (281, 8054), (285, 8090), (291, 8138), (294, 8147), (300, 8174), (337, 8351), (357, 8408), (361, 8414), (367, 8429), (374, 8450), (377, 8456), (392, 8492), (401, 8519),

Gene: Saronaya_12 Start: 6272, Stop: 7900, Start Num: 5

Candidate Starts for Saronaya_12:

(Start: 5 @6272 has 110 MA's), (Start: 38 @6395 has 16 MA's), (46, 6416), (65, 6473), (81, 6536), (85, 6566), (99, 6629), (106, 6656), (171, 6824), (191, 6911), (199, 6950), (204, 6974), (208, 6992), (210, 7007), (211, 7013), (220, 7076), (249, 7148), (254, 7187), (266, 7253), (271, 7283), (277, 7328), (280, 7343), (281, 7346), (285, 7382), (291, 7430), (294, 7439), (300, 7466), (308, 7493), (323, 7538), (334, 7613), (337, 7643), (341, 7661), (357, 7700), (361, 7706), (367, 7721), (374, 7742), (377, 7748), (392, 7784), (402, 7817),

Gene: Savannah_19 Start: 8499, Stop: 10175, Start Num: 13

Candidate Starts for Savannah_19:

(Start: 13 @8499 has 39 MA's), (Start: 15 @8508 has 14 MA's), (53, 8622), (55, 8628), (82, 8733), (84, 8745), (103, 8844), (106, 8850), (110, 8862), (124, 8916), (132, 8934), (144, 8988), (157, 9018), (169, 9057), (174, 9075), (175, 9084), (183, 9120), (196, 9183), (208, 9246), (213, 9273), (249, 9420), (250, 9423), (255, 9462), (260, 9480), (273, 9552), (283, 9618), (284, 9627), (294, 9699), (301, 9732), (303, 9738), (313, 9768), (317, 9783), (340, 9921), (345, 9936), (352, 9957), (353, 9960),

Gene: Savbucketdawg_12 Start: 5267, Stop: 6853, Start Num: 5

Candidate Starts for Savbucketdawg_12:

(Start: 5 @5267 has 110 MA's), (34, 5381), (86, 5549), (121, 5669), (127, 5687), (133, 5702), (186, 5852), (195, 5882), (206, 5942), (207, 5945), (215, 5984), (224, 6056), (249, 6116), (250, 6119), (251, 6122), (255, 6158), (257, 6167), (259, 6173), (260, 6176), (271, 6239), (277, 6284), (283, 6314), (288, 6362), (300, 6419), (306, 6440), (308, 6446), (317, 6467), (318, 6470), (324, 6497), (331, 6548), (337, 6596),

Gene: SchottB_11 Start: 6448, Stop: 8076, Start Num: 5

Candidate Starts for SchottB_11:

(Start: 5 @6448 has 110 MA's), (Start: 38 @6571 has 16 MA's), (46, 6592), (65, 6649), (81, 6712), (85, 6742), (99, 6805), (106, 6832), (171, 7000), (191, 7087), (199, 7126), (204, 7150), (208, 7168), (210, 7183), (211, 7189), (220, 7252), (249, 7324), (254, 7363), (266, 7429), (271, 7459), (277, 7504), (280, 7519), (281, 7522), (285, 7558), (291, 7606), (294, 7615), (300, 7642), (308, 7669), (323, 7714), (334, 7789), (337, 7819), (341, 7837), (357, 7876), (361, 7882), (367, 7897), (374, 7918), (377, 7924), (392, 7960), (402, 7993),

Gene: Scioto_14 Start: 6957, Stop: 8627, Start Num: 5

Candidate Starts for Scioto_14:

(Start: 5 @6957 has 110 MA's), (17, 7032), (22, 7053), (33, 7080), (60, 7167), (81, 7248), (85, 7278), (86, 7287), (103, 7362), (108, 7374), (121, 7410), (135, 7455), (169, 7527), (171, 7536), (197, 7647), (204, 7686), (206, 7695), (208, 7704), (209, 7716), (210, 7719), (211, 7725), (221, 7800), (246, 7848), (249, 7860), (269, 7980), (271, 7995), (277, 8040), (284, 8079), (289, 8130), (296, 8163), (299, 8175), (300, 8178), (308, 8205), (318, 8229), (331, 8307), (337, 8358), (345, 8388), (347, 8394), (368, 8451), (387, 8496),

Gene: Scumberland_21 Start: 8659, Stop: 10365, Start Num: 13

Candidate Starts for Scumberland_21:

(Start: 13 @8659 has 39 MA's), (Start: 15 @8668 has 14 MA's), (18, 8683), (53, 8782), (55, 8788), (82, 8893), (84, 8905), (103, 9004), (106, 9010), (124, 9076), (132, 9094), (144, 9148), (157, 9178), (169, 9217), (174, 9235), (175, 9244), (183, 9280), (196, 9343), (208, 9406), (213, 9433), (217, 9478), (249,

9580), (250, 9583), (255, 9622), (260, 9640), (273, 9712), (283, 9778), (284, 9787), (288, 9826), (294, 9859), (301, 9892), (303, 9898), (313, 9928), (340, 10081), (345, 10096), (352, 10117), (353, 10120), (424, 10333),

Gene: Sedona_13 Start: 7991, Stop: 9613, Start Num: 5

Candidate Starts for Sedona_13:

(Start: 5 @7991 has 110 MA's), (56, 8150), (65, 8189), (81, 8252), (99, 8345), (106, 8372), (120, 8411), (171, 8540), (185, 8600), (200, 8669), (204, 8690), (208, 8708), (210, 8723), (211, 8729), (220, 8792), (246, 8852), (249, 8864), (254, 8903), (257, 8915), (260, 8924), (263, 8957), (266, 8969), (271, 8999), (277, 9044), (280, 9059), (281, 9062), (285, 9098), (291, 9146), (294, 9155), (300, 9182), (337, 9359), (357, 9416), (361, 9422), (367, 9437), (374, 9458), (377, 9464), (392, 9500), (401, 9527),

Gene: Selwyn23_21 Start: 8668, Stop: 10344, Start Num: 13

Candidate Starts for Selwyn23_21:

(Start: 13 @8668 has 39 MA's), (Start: 15 @8677 has 14 MA's), (18, 8692), (53, 8791), (55, 8797), (82, 8902), (84, 8914), (103, 9013), (106, 9019), (110, 9031), (124, 9085), (132, 9103), (144, 9157), (157, 9187), (169, 9226), (174, 9244), (175, 9253), (183, 9289), (196, 9352), (208, 9415), (213, 9442), (249, 9589), (250, 9592), (255, 9631), (260, 9649), (273, 9721), (283, 9787), (284, 9796), (294, 9868), (301, 9901), (303, 9907), (313, 9937), (317, 9952), (340, 10090), (345, 10105), (352, 10126), (353, 10129),

Gene: Shinji_12 Start: 5456, Stop: 7042, Start Num: 5

Candidate Starts for Shinji_12:

(Start: 5 @5456 has 110 MA's), (34, 5570), (86, 5738), (121, 5858), (127, 5876), (133, 5891), (186, 6041), (195, 6071), (206, 6131), (207, 6134), (215, 6173), (224, 6245), (249, 6305), (250, 6308), (251, 6311), (255, 6347), (257, 6356), (259, 6362), (260, 6365), (271, 6428), (277, 6473), (283, 6503), (288, 6551), (300, 6608), (306, 6629), (308, 6635), (317, 6656), (318, 6659), (324, 6686), (331, 6737), (337, 6785),

Gene: Shivanishola_12 Start: 7199, Stop: 8818, Start Num: 5

Candidate Starts for Shivanishola_12:

(Start: 5 @7199 has 110 MA's), (56, 7358), (65, 7397), (81, 7460), (99, 7553), (106, 7580), (120, 7619), (171, 7748), (185, 7808), (200, 7877), (204, 7898), (208, 7916), (210, 7931), (211, 7937), (220, 8000), (249, 8072), (254, 8111), (257, 8123), (260, 8132), (263, 8165), (266, 8177), (271, 8207), (277, 8252), (280, 8267), (281, 8270), (285, 8306), (291, 8354), (294, 8363), (300, 8390), (337, 8567), (357, 8624), (361, 8630), (367, 8645), (374, 8666), (377, 8672), (392, 8708), (401, 8735),

Gene: Shotgun_19 Start: 8297, Stop: 9973, Start Num: 13

Candidate Starts for Shotgun_19:

(Start: 13 @8297 has 39 MA's), (Start: 15 @8306 has 14 MA's), (53, 8420), (55, 8426), (82, 8531), (84, 8543), (103, 8642), (106, 8648), (110, 8660), (124, 8714), (132, 8732), (144, 8786), (157, 8816), (169, 8855), (174, 8873), (175, 8882), (183, 8918), (196, 8981), (208, 9044), (213, 9071), (249, 9218), (250, 9221), (255, 9260), (260, 9278), (273, 9350), (283, 9416), (284, 9425), (294, 9497), (301, 9530), (303, 9536), (313, 9566), (317, 9581), (340, 9719), (345, 9734), (352, 9755), (353, 9758),

Gene: Shrubaron_20 Start: 7982, Stop: 9676, Start Num: 13

Candidate Starts for Shrubaron_20:

(Start: 13 @7982 has 39 MA's), (Start: 15 @7991 has 14 MA's), (55, 8114), (82, 8219), (84, 8231), (103, 8330), (124, 8402), (132, 8420), (169, 8543), (172, 8555), (174, 8561), (175, 8570), (183, 8606), (196, 8669), (208, 8732), (213, 8759), (217, 8804), (220, 8813), (231, 8855), (249, 8906), (250, 8909), (255, 8948), (257, 8957), (260, 8966), (266, 8999), (273, 9038), (283, 9104), (284, 9113), (285, 9128), (288, 9152), (301, 9218), (303, 9224), (313, 9251), (340, 9404), (353, 9443), (359, 9464), (373, 9509), (424, 9656),

Gene: SilentRX_18 Start: 8516, Stop: 10414, Start Num: 38

Candidate Starts for SilentRX_18:

(Start: 38 @8516 has 16 MA's), (69, 8603), (72, 8612), (80, 8645), (98, 8741), (115, 8786), (133, 8834), (140, 8858), (192, 9029), (193, 9032), (207, 9101), (217, 9179), (220, 9188), (221, 9200), (244, 9272), (247, 9284), (249, 9293), (255, 9335), (266, 9386), (272, 9419), (277, 9461), (278, 9467), (281, 9479), (323, 9701), (332, 9767), (338, 9809), (408, 10058), (421, 10115), (437, 10166), (461, 10301), (471, 10376), (473, 10388),

Gene: Sillytadpoles_21 Start: 8128, Stop: 9954, Start Num: 41

Candidate Starts for Sillytadpoles_21:

(Start: 41 @8128 has 49 MA's), (84, 8278), (118, 8413), (133, 8452), (164, 8530), (170, 8548), (208, 8698), (210, 8713), (217, 8770), (232, 8839), (244, 8887), (246, 8896), (271, 9031), (277, 9076), (278, 9082), (281, 9094), (288, 9154), (323, 9283), (324, 9289), (327, 9316), (344, 9415), (359, 9460), (420, 9655), (429, 9691), (434, 9709), (446, 9754),

Gene: SirFrank_19 Start: 8327, Stop: 10030, Start Num: 13

Candidate Starts for SirFrank_19:

(Start: 13 @8327 has 39 MA's), (Start: 15 @8336 has 14 MA's), (55, 8456), (82, 8561), (84, 8573), (103, 8672), (106, 8678), (109, 8687), (124, 8744), (144, 8816), (150, 8840), (155, 8843), (163, 8867), (169, 8885), (174, 8903), (175, 8912), (183, 8948), (196, 9011), (208, 9074), (213, 9101), (217, 9146), (249, 9248), (250, 9251), (255, 9290), (260, 9308), (273, 9380), (283, 9446), (284, 9455), (288, 9494), (301, 9560), (303, 9566), (313, 9596), (340, 9749), (346, 9767), (353, 9788), (359, 9809), (360, 9812), (366, 9833), (422, 9989),

Gene: Sitar_13 Start: 7365, Stop: 8987, Start Num: 5

Candidate Starts for Sitar_13:

(Start: 5 @7365 has 110 MA's), (56, 7524), (65, 7563), (81, 7626), (106, 7746), (120, 7785), (169, 7905), (171, 7914), (185, 7974), (200, 8043), (204, 8064), (208, 8082), (210, 8097), (211, 8103), (220, 8166), (246, 8226), (249, 8238), (254, 8277), (257, 8289), (260, 8298), (263, 8331), (266, 8343), (271, 8373), (277, 8418), (280, 8433), (281, 8436), (285, 8472), (291, 8520), (294, 8529), (300, 8556), (337, 8733), (357, 8790), (361, 8796), (367, 8811), (374, 8832), (377, 8838), (392, 8874), (401, 8901),

Gene: Sixama_72 Start: 30011, Stop: 31756, Start Num: 27

Candidate Starts for Sixama_72:

(Start: 27 @30011 has 5 MA's), (31, 30017), (34, 30020), (57, 30098), (92, 30251), (102, 30299), (153, 30497), (204, 30740), (205, 30743), (208, 30758), (209, 30770), (214, 30788), (216, 30815), (220, 30836), (221, 30848), (264, 31019), (271, 31058), (278, 31109), (283, 31133), (292, 31208), (293, 31211), (298, 31235), (360, 31505), (380, 31574), (407, 31685), (422, 31733),

Gene: Skugga_18 Start: 7422, Stop: 9140, Start Num: 13

Candidate Starts for Skugga_18:

(Start: 13 @7422 has 39 MA's), (Start: 15 @7431 has 14 MA's), (55, 7551), (82, 7656), (84, 7668), (103, 7767), (110, 7785), (124, 7839), (143, 7908), (149, 7932), (163, 7962), (172, 7992), (174, 7998), (175, 8007), (183, 8043), (196, 8106), (208, 8169), (213, 8196), (217, 8241), (249, 8343), (250, 8346), (260, 8403), (266, 8436), (273, 8475), (283, 8541), (284, 8550), (285, 8565), (286, 8574), (288, 8589), (294, 8622), (301, 8655), (303, 8661), (313, 8691), (324, 8736), (340, 8844), (348, 8868), (359, 8904), (360, 8907), (366, 8928), (373, 8949), (394, 8985), (420, 9084), (424, 9096), (430, 9123),

Gene: SlySloth_24 Start: 9083, Stop: 10909, Start Num: 41

Candidate Starts for SlySloth_24:

(Start: 41 @9083 has 49 MA's), (84, 9233), (118, 9368), (133, 9407), (164, 9485), (170, 9503), (208, 9653), (210, 9668), (217, 9725), (232, 9794), (244, 9842), (246, 9851), (271, 9986), (277, 10031), (278, 10037), (281, 10049), (288, 10109), (323, 10238), (324, 10244), (327, 10271), (344, 10370), (359,

10415), (420, 10610), (429, 10646), (434, 10664), (446, 10709),

Gene: Smarties_28 Start: 10100, Stop: 11824, Start Num: 13

Candidate Starts for Smarties_28:

(Start: 13 @10100 has 39 MA's), (Start: 15 @10109 has 14 MA's), (55, 10229), (82, 10334), (84, 10346), (103, 10445), (124, 10517), (132, 10535), (181, 10715), (183, 10721), (187, 10745), (196, 10784), (208, 10847), (213, 10874), (217, 10919), (249, 11021), (250, 11024), (255, 11063), (257, 11072), (266, 11114), (273, 11153), (283, 11219), (284, 11228), (285, 11243), (288, 11267), (301, 11333), (303, 11339), (313, 11366), (340, 11519), (346, 11537), (359, 11579), (366, 11603), (373, 11624), (394, 11660), (431, 11801), (436, 11813),

Gene: SmokingBunny_12 Start: 5434, Stop: 7020, Start Num: 5

Candidate Starts for SmokingBunny_12:

(Start: 5 @5434 has 110 MA's), (82, 5686), (86, 5716), (120, 5833), (127, 5854), (133, 5869), (193, 6043), (202, 6085), (206, 6109), (207, 6112), (215, 6151), (224, 6223), (249, 6283), (250, 6286), (251, 6289), (255, 6325), (257, 6334), (259, 6340), (260, 6343), (271, 6406), (277, 6451), (283, 6481), (288, 6529), (300, 6586), (306, 6607), (317, 6634), (318, 6637), (324, 6664), (331, 6715), (337, 6763),

Gene: Soos_37 Start: 17429, Stop: 19387, Start Num: 20

Candidate Starts for Soos_37:

(Start: 20 @17429 has 6 MA's), (39, 17474), (59, 17525), (66, 17552), (112, 17741), (175, 17900), (196, 17993), (209, 18068), (220, 18137), (221, 18149), (222, 18155), (242, 18257), (244, 18290), (257, 18362), (258, 18365), (264, 18395), (271, 18434), (284, 18518), (316, 18662), (317, 18665), (324, 18695), (339, 18803), (350, 18839), (353, 18848), (397, 18983), (421, 19064), (429, 19097), (449, 19187), (470, 19340), (476, 19379),

Gene: Squash_24 Start: 9156, Stop: 10982, Start Num: 41

Candidate Starts for Squash_24:

(Start: 41 @9156 has 49 MA's), (118, 9441), (133, 9480), (164, 9558), (170, 9576), (208, 9726), (210, 9741), (217, 9798), (232, 9867), (244, 9915), (246, 9924), (271, 10059), (277, 10104), (278, 10110), (281, 10122), (288, 10182), (323, 10311), (324, 10317), (327, 10344), (344, 10443), (359, 10488), (420, 10683), (429, 10719), (434, 10737), (446, 10782), (468, 10938),

Gene: Statler_23 Start: 9110, Stop: 10936, Start Num: 41

Candidate Starts for Statler_23:

(Start: 41 @9110 has 49 MA's), (118, 9395), (133, 9434), (164, 9512), (170, 9530), (208, 9680), (210, 9695), (217, 9752), (232, 9821), (244, 9869), (246, 9878), (271, 10013), (277, 10058), (278, 10064), (281, 10076), (288, 10136), (323, 10265), (324, 10271), (327, 10298), (344, 10397), (359, 10442), (420, 10637), (429, 10673), (434, 10691), (446, 10736),

Gene: Stewart25555_66 Start: 28084, Stop: 29715, Start Num: 32

Candidate Starts for Stewart25555_66:

(Start: 32 @28084 has 8 MA's), (Start: 51 @28144 has 1 MA's), (92, 28324), (93, 28333), (140, 28501), (196, 28699), (233, 28882), (240, 28903), (249, 28951), (253, 28972), (256, 28999), (279, 29131), (290, 29218), (313, 29296), (363, 29527), (425, 29704),

Gene: Stillion_41 Start: 18014, Stop: 19972, Start Num: 20

Candidate Starts for Stillion_41:

(Start: 20 @18014 has 6 MA's), (39, 18059), (59, 18110), (66, 18137), (112, 18326), (175, 18485), (196, 18578), (209, 18653), (220, 18722), (221, 18734), (222, 18740), (242, 18842), (244, 18875), (257, 18947), (258, 18950), (264, 18980), (271, 19019), (284, 19103), (316, 19247), (317, 19250), (324, 19280), (339, 19388), (350, 19424), (353, 19433), (397, 19568), (429, 19682), (449, 19772), (450, 19778), (470, 19925), (476, 19964),

Gene: Sting_40 Start: 17868, Stop: 19826, Start Num: 20

Candidate Starts for Sting_40:

(Start: 20 @17868 has 6 MA's), (39, 17913), (59, 17964), (66, 17991), (112, 18180), (175, 18339), (196, 18432), (209, 18507), (220, 18576), (221, 18588), (222, 18594), (242, 18696), (244, 18729), (257, 18801), (258, 18804), (264, 18834), (271, 18873), (284, 18957), (316, 19101), (317, 19104), (324, 19134), (339, 19242), (350, 19278), (353, 19287), (397, 19422), (429, 19536), (446, 19605), (449, 19626), (470, 19779), (476, 19818),

Gene: StorminNorm_12 Start: 6275, Stop: 7903, Start Num: 5

Candidate Starts for StorminNorm_12:

(Start: 5 @6275 has 110 MA's), (Start: 38 @6398 has 16 MA's), (46, 6419), (65, 6476), (81, 6539), (85, 6569), (99, 6632), (106, 6659), (171, 6827), (191, 6914), (199, 6953), (204, 6977), (208, 6995), (210, 7010), (211, 7016), (220, 7079), (249, 7151), (254, 7190), (266, 7256), (271, 7286), (277, 7331), (280, 7346), (281, 7349), (285, 7385), (291, 7433), (294, 7442), (300, 7469), (308, 7496), (323, 7541), (331, 7598), (334, 7616), (337, 7646), (341, 7664), (357, 7703), (361, 7709), (367, 7724), (374, 7745), (377, 7751), (392, 7787), (402, 7820),

Gene: StrawberryJamm_24 Start: 8430, Stop: 10256, Start Num: 41

Candidate Starts for StrawberryJamm_24:

(Start: 41 @8430 has 49 MA's), (84, 8580), (118, 8715), (133, 8754), (164, 8832), (170, 8850), (208, 9000), (210, 9015), (217, 9072), (232, 9141), (244, 9189), (246, 9198), (271, 9333), (277, 9378), (278, 9384), (281, 9396), (288, 9456), (323, 9585), (324, 9591), (327, 9618), (344, 9717), (359, 9762), (420, 9957), (429, 9993), (434, 10011), (446, 10056),

Gene: Stultus_12 Start: 7189, Stop: 8811, Start Num: 5

Candidate Starts for Stultus_12:

(Start: 5 @7189 has 110 MA's), (56, 7348), (65, 7387), (81, 7450), (99, 7543), (106, 7570), (120, 7609), (171, 7738), (185, 7798), (188, 7813), (200, 7867), (204, 7888), (208, 7906), (210, 7921), (211, 7927), (220, 7990), (246, 8050), (249, 8062), (254, 8101), (257, 8113), (260, 8122), (263, 8155), (266, 8167), (271, 8197), (277, 8242), (280, 8257), (281, 8260), (285, 8296), (291, 8344), (294, 8353), (300, 8380), (337, 8557), (357, 8614), (361, 8620), (367, 8635), (374, 8656), (377, 8662), (392, 8698), (401, 8725),

Gene: Sunfish_26 Start: 9771, Stop: 11576, Start Num: 26

Candidate Starts for Sunfish_26:

(Start: 26 @9771 has 2 MA's), (45, 9810), (84, 9951), (91, 9990), (97, 10017), (118, 10065), (147, 10149), (196, 10290), (207, 10347), (226, 10467), (244, 10518), (255, 10581), (257, 10590), (260, 10599), (277, 10707), (278, 10713), (284, 10746), (315, 10887), (333, 10986), (337, 11022), (338, 11025), (395, 11199), (438, 11334), (447, 11379), (454, 11433), (459, 11457),

Gene: Sunny_ Start: 8363, Stop: 10132, Start Num: 2

Candidate Starts for Sunny_:

(Start: 2 @8363 has 2 MA's), (10, 8429), (Start: 13 @8456 has 39 MA's), (Start: 15 @8465 has 14 MA's), (47, 8561), (55, 8585), (82, 8690), (84, 8702), (103, 8801), (124, 8873), (132, 8891), (149, 8966), (155, 8972), (169, 9011), (172, 9023), (175, 9038), (179, 9062), (183, 9074), (188, 9101), (194, 9128), (196, 9137), (213, 9227), (217, 9272), (249, 9374), (250, 9377), (257, 9425), (260, 9434), (273, 9506), (283, 9572), (284, 9581), (303, 9692), (321, 9749), (346, 9893), (350, 9905), (359, 9935), (417, 10103),

Gene: Talia1610_76 Start: 33060, Stop: 34739, Start Num: 32

Candidate Starts for Talia1610_76:

(Start: 28 @33054 has 3 MA's), (Start: 32 @33060 has 8 MA's), (62, 33165), (90, 33288), (92, 33300), (124, 33423), (196, 33675), (204, 33720), (210, 33753), (239, 33876), (240, 33885), (241, 33897),

(249, 33933), (283, 34131), (290, 34200), (355, 34485), (376, 34551), (379, 34557), (412, 34683), (414, 34692), (425, 34728),

Gene: Tangent_10 Start: 6017, Stop: 7639, Start Num: 5

Candidate Starts for Tangent_10:

(Start: 5 @6017 has 110 MA's), (56, 6176), (65, 6215), (81, 6278), (99, 6371), (106, 6398), (120, 6437), (169, 6557), (171, 6566), (185, 6626), (200, 6695), (204, 6716), (208, 6734), (210, 6749), (211, 6755), (220, 6818), (246, 6878), (249, 6890), (254, 6929), (257, 6941), (260, 6950), (266, 6995), (271, 7025), (277, 7070), (280, 7085), (281, 7088), (285, 7124), (291, 7172), (294, 7181), (300, 7208), (337, 7385), (357, 7442), (361, 7448), (367, 7463), (374, 7484), (377, 7490), (392, 7526), (401, 7553),

Gene: Tangerine_12 Start: 6284, Stop: 7912, Start Num: 5

Candidate Starts for Tangerine_12:

(Start: 5 @6284 has 110 MA's), (Start: 38 @6407 has 16 MA's), (46, 6428), (65, 6485), (81, 6548), (85, 6578), (99, 6641), (106, 6668), (171, 6836), (191, 6923), (199, 6962), (204, 6986), (208, 7004), (210, 7019), (211, 7025), (220, 7088), (249, 7160), (254, 7199), (266, 7265), (271, 7295), (277, 7340), (280, 7355), (281, 7358), (285, 7394), (291, 7442), (294, 7451), (300, 7478), (308, 7505), (323, 7550), (331, 7607), (334, 7625), (337, 7655), (341, 7673), (357, 7712), (361, 7718), (367, 7733), (374, 7754), (377, 7760), (392, 7796), (402, 7829),

Gene: Tank_17 Start: 8380, Stop: 10260, Start Num: 38

Candidate Starts for Tank_17:

(Start: 38 @8380 has 16 MA's), (42, 8389), (69, 8464), (81, 8512), (91, 8572), (98, 8602), (133, 8695), (175, 8815), (189, 8872), (192, 8887), (202, 8932), (220, 9046), (221, 9058), (244, 9133), (247, 9145), (249, 9154), (250, 9157), (254, 9193), (266, 9247), (277, 9322), (281, 9340), (311, 9493), (312, 9499), (314, 9505), (318, 9520), (323, 9541), (338, 9649), (349, 9688), (359, 9718), (408, 9895), (433, 9997), (455, 10096), (461, 10138), (471, 10213), (473, 10225),

Gene: Tardus_14 Start: 5997, Stop: 7670, Start Num: 5

Candidate Starts for Tardus_14:

(Start: 5 @5997 has 110 MA's), (17, 6072), (33, 6120), (60, 6207), (81, 6288), (85, 6318), (121, 6450), (135, 6495), (169, 6567), (171, 6576), (197, 6687), (204, 6726), (208, 6744), (209, 6756), (210, 6759), (211, 6765), (221, 6840), (249, 6900), (269, 7020), (271, 7035), (277, 7080), (284, 7119), (289, 7170), (296, 7203), (299, 7215), (300, 7218), (308, 7245), (318, 7269), (331, 7347), (337, 7398), (345, 7428), (347, 7434), (368, 7491), (387, 7536),

Gene: Teamocil_20 Start: 7583, Stop: 9301, Start Num: 13

Candidate Starts for Teamocil_20:

(Start: 13 @7583 has 39 MA's), (Start: 15 @7592 has 14 MA's), (55, 7712), (82, 7817), (84, 7829), (103, 7928), (110, 7946), (124, 8000), (132, 8018), (143, 8069), (149, 8093), (163, 8123), (172, 8153), (174, 8159), (175, 8168), (183, 8204), (196, 8267), (208, 8330), (213, 8357), (217, 8402), (249, 8504), (250, 8507), (257, 8555), (260, 8564), (266, 8597), (273, 8636), (283, 8702), (284, 8711), (285, 8726), (286, 8735), (288, 8750), (289, 8762), (294, 8783), (301, 8816), (303, 8822), (313, 8852), (324, 8897), (340, 9005), (348, 9029), (359, 9065), (360, 9068), (366, 9089), (373, 9110), (420, 9245), (424, 9257), (430, 9284),

Gene: Teehee_23 Start: 9365, Stop: 11191, Start Num: 41

Candidate Starts for Teehee_23:

(Start: 41 @9365 has 49 MA's), (84, 9515), (118, 9650), (133, 9689), (164, 9767), (170, 9785), (208, 9935), (210, 9950), (217, 10007), (232, 10076), (244, 10124), (246, 10133), (271, 10268), (277, 10313), (278, 10319), (281, 10331), (288, 10391), (323, 10520), (324, 10526), (327, 10553), (344, 10652), (359, 10697), (420, 10892), (429, 10928), (434, 10946), (446, 10991),

Gene: Tempo_21 Start: 7770, Stop: 9569, Start Num: 41

Candidate Starts for Tempo_21:

(Start: 41 @7770 has 49 MA's), (75, 7869), (114, 8034), (133, 8085), (144, 8115), (170, 8181), (226, 8448), (238, 8493), (254, 8580), (264, 8625), (270, 8661), (277, 8709), (278, 8715), (281, 8727), (285, 8763), (288, 8787), (323, 8922), (338, 9030), (343, 9051), (369, 9132), (373, 9141), (415, 9252), (420, 9270), (429, 9306), (447, 9372), (458, 9441), (463, 9474), (473, 9549),

Gene: Terij_13 Start: 6017, Stop: 7762, Start Num: 15

Candidate Starts for Terij_13:

(Start: 13 @6008 has 39 MA's), (Start: 15 @6017 has 14 MA's), (44, 6098), (50, 6119), (62, 6155), (67, 6170), (82, 6233), (84, 6245), (85, 6254), (103, 6344), (144, 6488), (154, 6539), (169, 6584), (171, 6593), (179, 6632), (188, 6668), (192, 6689), (194, 6695), (196, 6704), (208, 6767), (213, 6794), (249, 6941), (255, 6983), (257, 6992), (260, 7001), (262, 7016), (266, 7034), (273, 7073), (283, 7139), (284, 7148), (286, 7172), (287, 7184), (288, 7187), (303, 7259), (317, 7310), (322, 7325), (330, 7388), (346, 7469), (352, 7487), (373, 7556), (374, 7559), (393, 7604),

Gene: Thing3_13 Start: 7104, Stop: 8729, Start Num: 5

Candidate Starts for Thing3_13:

(Start: 5 @7104 has 110 MA's), (56, 7263), (65, 7302), (81, 7365), (106, 7485), (120, 7524), (171, 7653), (185, 7713), (200, 7782), (204, 7803), (208, 7821), (210, 7836), (211, 7842), (220, 7905), (246, 7965), (249, 7977), (254, 8016), (257, 8028), (260, 8037), (263, 8070), (266, 8082), (271, 8112), (277, 8157), (280, 8172), (281, 8175), (285, 8211), (291, 8259), (294, 8268), (300, 8295), (337, 8472), (357, 8529), (361, 8535), (367, 8550), (374, 8571), (377, 8577), (392, 8613), (401, 8643),

Gene: Tiamoceli_14 Start: 6640, Stop: 8316, Start Num: 5

Candidate Starts for Tiamoceli_14:

(Start: 5 @6640 has 110 MA's), (11, 6673), (Start: 27 @6751 has 5 MA's), (47, 6805), (81, 6937), (85, 6967), (102, 7045), (108, 7063), (135, 7144), (169, 7216), (171, 7225), (185, 7285), (208, 7393), (209, 7405), (210, 7408), (211, 7414), (249, 7549), (250, 7552), (260, 7609), (271, 7684), (277, 7729), (281, 7747), (284, 7768), (288, 7807), (291, 7831), (296, 7852), (300, 7867), (318, 7918), (323, 7939), (337, 8044), (345, 8074), (356, 8098), (357, 8101), (387, 8179),

Gene: TillyBobJoe_12 Start: 5270, Stop: 6856, Start Num: 5

Candidate Starts for TillyBobJoe_12:

(Start: 5 @5270 has 110 MA's), (34, 5384), (86, 5552), (121, 5672), (127, 5690), (133, 5705), (186, 5855), (195, 5885), (206, 5945), (207, 5948), (215, 5987), (224, 6059), (249, 6119), (250, 6122), (251, 6125), (255, 6161), (257, 6170), (259, 6176), (260, 6179), (271, 6242), (277, 6287), (283, 6317), (288, 6365), (300, 6422), (306, 6443), (308, 6449), (317, 6470), (318, 6473), (324, 6500), (331, 6551), (337, 6599),

Gene: Tissue_22 Start: 8939, Stop: 10765, Start Num: 41

Candidate Starts for Tissue_22:

(Start: 41 @8939 has 49 MA's), (84, 9089), (118, 9224), (133, 9263), (164, 9341), (170, 9359), (208, 9509), (210, 9524), (217, 9581), (232, 9650), (244, 9698), (246, 9707), (271, 9842), (277, 9887), (278, 9893), (281, 9905), (288, 9965), (323, 10094), (324, 10100), (327, 10127), (344, 10226), (359, 10271), (420, 10466), (429, 10502), (434, 10520), (446, 10565),

Gene: Togo_12 Start: 5434, Stop: 7020, Start Num: 5

Candidate Starts for Togo_12:

(Start: 5 @5434 has 110 MA's), (82, 5686), (86, 5716), (120, 5833), (127, 5854), (133, 5869), (193, 6043), (202, 6085), (206, 6109), (207, 6112), (215, 6151), (224, 6223), (249, 6283), (250, 6286), (251, 6289), (255, 6325), (257, 6334), (259, 6340), (260, 6343), (271, 6406), (277, 6451), (283, 6481), (288, 6529), (300, 6586), (306, 6607), (317, 6634), (318, 6637), (324, 6664), (331, 6715), (337, 6763),

Gene: Tonitrus_26 Start: 14379, Stop: 16331, Start Num: 20

Candidate Starts for Tonitrus_26:

(Start: 20 @14379 has 6 MA's), (42, 14427), (63, 14487), (72, 14514), (84, 14577), (86, 14595), (87, 14598), (133, 14748), (135, 14760), (144, 14778), (146, 14790), (165, 14829), (179, 14889), (204, 15000), (210, 15033), (218, 15093), (222, 15117), (243, 15270), (244, 15273), (247, 15285), (258, 15348), (271, 15417), (272, 15420), (284, 15501), (291, 15564), (299, 15597), (302, 15609), (304, 15615), (316, 15645), (324, 15678), (330, 15726), (333, 15744), (344, 15804), (378, 15900), (400, 15960), (439, 16083), (442, 16113), (449, 16149), (453, 16182), (457, 16191), (462, 16239), (464, 16251), (467, 16290), (473, 16320), (474, 16323),

Gene: Twister6_12 Start: 5366, Stop: 6952, Start Num: 5

Candidate Starts for Twister6_12:

(Start: 5 @5366 has 110 MA's), (82, 5618), (86, 5648), (120, 5765), (127, 5786), (133, 5801), (193, 5975), (202, 6017), (206, 6041), (207, 6044), (215, 6083), (224, 6155), (249, 6215), (250, 6218), (251, 6221), (255, 6257), (257, 6266), (259, 6272), (260, 6275), (271, 6338), (277, 6383), (283, 6413), (288, 6461), (300, 6518), (306, 6539), (317, 6566), (318, 6569), (324, 6596), (331, 6647), (337, 6695),

Gene: Twonlo_11 Start: 5257, Stop: 6933, Start Num: 5

Candidate Starts for Twonlo_11:

(Start: 5 @5257 has 110 MA's), (11, 5290), (Start: 27 @5368 has 5 MA's), (47, 5422), (81, 5554), (85, 5584), (102, 5662), (108, 5680), (135, 5761), (169, 5833), (171, 5842), (185, 5902), (208, 6010), (209, 6022), (210, 6025), (211, 6031), (249, 6166), (250, 6169), (260, 6226), (271, 6301), (277, 6346), (281, 6364), (284, 6385), (288, 6424), (291, 6448), (296, 6469), (300, 6484), (318, 6535), (323, 6556), (337, 6661), (345, 6691), (356, 6715), (357, 6718), (387, 6796),

Gene: Tycho_12 Start: 6284, Stop: 7912, Start Num: 5

Candidate Starts for Tycho_12:

(Start: 5 @6284 has 110 MA's), (Start: 38 @6407 has 16 MA's), (46, 6428), (65, 6485), (81, 6548), (85, 6578), (99, 6641), (106, 6668), (169, 6827), (171, 6836), (191, 6923), (199, 6962), (204, 6986), (208, 7004), (210, 7019), (211, 7025), (220, 7088), (249, 7160), (254, 7199), (266, 7265), (271, 7295), (277, 7340), (280, 7355), (281, 7358), (285, 7394), (291, 7442), (294, 7451), (300, 7478), (308, 7505), (323, 7550), (334, 7625), (337, 7655), (341, 7673), (357, 7712), (361, 7718), (367, 7733), (374, 7754), (377, 7760), (392, 7796), (402, 7829),

Gene: Tyumbra_18 Start: 7432, Stop: 9117, Start Num: 15

Candidate Starts for Tyumbra_18:

(Start: 13 @7423 has 39 MA's), (Start: 15 @7432 has 14 MA's), (55, 7555), (82, 7660), (84, 7672), (103, 7771), (124, 7843), (132, 7861), (163, 7966), (169, 7984), (172, 7996), (174, 8002), (175, 8011), (183, 8047), (196, 8110), (208, 8173), (213, 8200), (217, 8245), (220, 8254), (231, 8296), (249, 8347), (250, 8350), (255, 8389), (257, 8398), (260, 8407), (266, 8440), (273, 8479), (283, 8545), (284, 8554), (285, 8569), (288, 8593), (301, 8659), (303, 8665), (313, 8692), (340, 8845), (353, 8884), (359, 8905), (373, 8950), (394, 8986), (396, 8992), (424, 9097),

Gene: Valary_13 Start: 5819, Stop: 7405, Start Num: 5

Candidate Starts for Valary_13:

(Start: 5 @5819 has 110 MA's), (34, 5933), (74, 6035), (86, 6101), (93, 6134), (121, 6221), (127, 6239), (133, 6254), (195, 6434), (206, 6494), (207, 6497), (215, 6536), (224, 6608), (249, 6668), (250, 6671), (251, 6674), (255, 6710), (257, 6719), (259, 6725), (260, 6728), (271, 6791), (277, 6836), (283, 6866), (288, 6914), (300, 6971), (306, 6992), (317, 7019), (318, 7022), (324, 7049), (331, 7100), (337, 7148),

Gene: VanDeWege_13 Start: 5747, Stop: 7333, Start Num: 5

Candidate Starts for VanDeWege_13:

(Start: 5 @5747 has 110 MA's), (34, 5861), (74, 5963), (86, 6029), (93, 6062), (121, 6149), (127, 6167), (133, 6182), (195, 6362), (206, 6422), (207, 6425), (215, 6464), (224, 6536), (249, 6596), (250, 6599), (251, 6602), (254, 6635), (255, 6638), (257, 6647), (259, 6653), (260, 6656), (271, 6719), (277, 6764), (283, 6794), (288, 6842), (300, 6899), (306, 6920), (317, 6947), (318, 6950), (324, 6977), (331, 7028), (337, 7076),

Gene: Verity_14 Start: 7230, Stop: 8897, Start Num: 5

Candidate Starts for Verity_14:

(Start: 5 @7230 has 110 MA's), (17, 7305), (22, 7326), (33, 7353), (60, 7440), (81, 7521), (85, 7551), (108, 7647), (114, 7662), (121, 7683), (128, 7704), (135, 7728), (169, 7800), (171, 7809), (197, 7920), (199, 7935), (204, 7959), (208, 7977), (210, 7992), (211, 7998), (221, 8073), (249, 8133), (271, 8268), (277, 8313), (284, 8352), (289, 8403), (296, 8436), (299, 8448), (300, 8451), (303, 8463), (308, 8478), (318, 8502), (323, 8523), (331, 8580), (337, 8631), (345, 8661), (347, 8667), (368, 8724), (387, 8769), (401, 8817),

Gene: ViaConlectus_14 Start: 6957, Stop: 8627, Start Num: 5

Candidate Starts for ViaConlectus_14:

(Start: 5 @6957 has 110 MA's), (17, 7032), (22, 7053), (33, 7080), (60, 7167), (81, 7248), (85, 7278), (86, 7287), (103, 7362), (108, 7374), (121, 7410), (135, 7455), (169, 7527), (171, 7536), (197, 7647), (204, 7686), (206, 7695), (208, 7704), (209, 7716), (210, 7719), (211, 7725), (221, 7800), (246, 7848), (249, 7860), (269, 7980), (271, 7995), (277, 8040), (284, 8079), (289, 8130), (296, 8163), (299, 8175), (300, 8178), (308, 8205), (318, 8229), (331, 8307), (337, 8358), (345, 8388), (347, 8394), (368, 8451), (387, 8496),

Gene: Viceroy_21 Start: 8130, Stop: 9956, Start Num: 41

Candidate Starts for Viceroy_21:

(Start: 41 @8130 has 49 MA's), (84, 8280), (118, 8415), (133, 8454), (164, 8532), (170, 8550), (208, 8700), (210, 8715), (217, 8772), (232, 8841), (244, 8889), (246, 8898), (271, 9033), (277, 9078), (278, 9084), (281, 9096), (288, 9156), (323, 9285), (324, 9291), (327, 9318), (344, 9417), (359, 9462), (420, 9657), (429, 9693), (434, 9711), (446, 9756),

Gene: Vivi2_11 Start: 6178, Stop: 7800, Start Num: 5

Candidate Starts for Vivi2_11:

(Start: 5 @6178 has 110 MA's), (56, 6337), (65, 6376), (81, 6439), (99, 6532), (106, 6559), (120, 6598), (171, 6727), (185, 6787), (200, 6856), (204, 6877), (208, 6895), (210, 6910), (211, 6916), (220, 6979), (246, 7039), (249, 7051), (254, 7090), (257, 7102), (260, 7111), (263, 7144), (266, 7156), (271, 7186), (277, 7231), (280, 7246), (281, 7249), (285, 7285), (291, 7333), (294, 7342), (300, 7369), (337, 7546), (357, 7603), (361, 7609), (367, 7624), (374, 7645), (377, 7651), (392, 7687), (401, 7714),

Gene: WaddleDee_63 Start: 27676, Stop: 29310, Start Num: 32

Candidate Starts for WaddleDee_63:

(Start: 32 @27676 has 8 MA's), (Start: 51 @27736 has 1 MA's), (140, 28093), (194, 28282), (196, 28291), (240, 28495), (249, 28543), (279, 28723), (290, 28810), (310, 28876), (313, 28888), (363, 29119), (388, 29206), (425, 29299),

Gene: Wayne3_23 Start: 9095, Stop: 10921, Start Num: 41

Candidate Starts for Wayne3_23:

(Start: 41 @9095 has 49 MA's), (84, 9245), (118, 9380), (133, 9419), (164, 9497), (170, 9515), (208, 9665), (210, 9680), (217, 9737), (232, 9806), (244, 9854), (246, 9863), (271, 9998), (277, 10043), (278, 10049), (281, 10061), (288, 10121), (323, 10250), (324, 10256), (327, 10283), (344, 10382), (359, 10427), (420, 10622), (429, 10658), (434, 10676), (446, 10721),

Gene: WheelerS25_27 Start: 9871, Stop: 11697, Start Num: 41

Candidate Starts for WheelerS25_27:

(Start: 41 @9871 has 49 MA's), (84, 10021), (118, 10156), (133, 10195), (164, 10273), (170, 10291), (208, 10441), (210, 10456), (217, 10513), (232, 10582), (244, 10630), (246, 10639), (271, 10774), (277, 10819), (278, 10825), (281, 10837), (288, 10897), (323, 11026), (324, 11032), (327, 11059), (344, 11158), (359, 11203), (420, 11398), (429, 11434), (434, 11452), (446, 11497),

Gene: Wheelie_21 Start: 8446, Stop: 10272, Start Num: 41

Candidate Starts for Wheelie_21:

(Start: 41 @8446 has 49 MA's), (84, 8596), (118, 8731), (133, 8770), (164, 8848), (170, 8866), (208, 9016), (210, 9031), (217, 9088), (232, 9157), (244, 9205), (246, 9214), (271, 9349), (277, 9394), (278, 9400), (281, 9412), (288, 9472), (323, 9601), (324, 9607), (327, 9634), (344, 9733), (359, 9778), (420, 9973), (429, 10009), (434, 10027), (446, 10072),

Gene: Wilca_21 Start: 7665, Stop: 9464, Start Num: 41

Candidate Starts for Wilca_21:

(Start: 41 @7665 has 49 MA's), (133, 7980), (144, 8010), (170, 8076), (226, 8343), (238, 8388), (254, 8475), (264, 8520), (270, 8556), (277, 8604), (278, 8610), (281, 8622), (285, 8658), (288, 8682), (323, 8817), (338, 8925), (343, 8946), (369, 9027), (420, 9165), (429, 9201), (447, 9267), (458, 9336), (463, 9369), (472, 9438),

Gene: Wilde_17 Start: 8308, Stop: 10188, Start Num: 38

Candidate Starts for Wilde_17:

(Start: 38 @8308 has 16 MA's), (42, 8317), (69, 8392), (81, 8440), (91, 8500), (98, 8530), (133, 8623), (175, 8743), (189, 8800), (192, 8815), (202, 8860), (220, 8974), (221, 8986), (244, 9061), (247, 9073), (249, 9082), (250, 9085), (254, 9121), (266, 9175), (277, 9250), (281, 9268), (311, 9421), (312, 9427), (314, 9433), (318, 9448), (323, 9469), (338, 9577), (349, 9616), (359, 9646), (408, 9823), (433, 9925), (455, 10024), (461, 10066), (471, 10141), (473, 10153),

Gene: Wizard_12 Start: 5562, Stop: 7145, Start Num: 5

Candidate Starts for Wizard_12:

(Start: 5 @5562 has 110 MA's), (34, 5676), (86, 5844), (121, 5964), (127, 5982), (133, 5997), (186, 6147), (195, 6177), (206, 6237), (207, 6240), (215, 6279), (224, 6351), (249, 6411), (250, 6414), (251, 6417), (255, 6453), (257, 6462), (259, 6468), (260, 6471), (271, 6534), (277, 6579), (283, 6609), (288, 6657), (300, 6714), (306, 6735), (308, 6741), (317, 6762), (324, 6792), (331, 6843), (337, 6891),

Gene: Yeti_20 Start: 8441, Stop: 10147, Start Num: 13

Candidate Starts for Yeti_20:

(Start: 13 @8441 has 39 MA's), (Start: 15 @8450 has 14 MA's), (18, 8465), (53, 8564), (55, 8570), (82, 8675), (84, 8687), (103, 8786), (106, 8792), (124, 8858), (132, 8876), (144, 8930), (157, 8960), (169, 8999), (174, 9017), (175, 9026), (183, 9062), (196, 9125), (208, 9188), (213, 9215), (217, 9260), (249, 9362), (250, 9365), (255, 9404), (260, 9422), (273, 9494), (283, 9560), (284, 9569), (288, 9608), (294, 9641), (301, 9674), (303, 9680), (313, 9710), (340, 9863), (345, 9878), (352, 9899), (353, 9902), (422, 10106), (424, 10115),

Gene: YorkOnyx_12 Start: 6233, Stop: 7861, Start Num: 5

Candidate Starts for YorkOnyx_12:

(Start: 5 @6233 has 110 MA's), (Start: 38 @6356 has 16 MA's), (46, 6377), (59, 6407), (65, 6434), (81, 6497), (85, 6527), (99, 6590), (106, 6617), (121, 6659), (171, 6785), (199, 6911), (204, 6935), (208, 6953), (210, 6968), (211, 6974), (220, 7037), (249, 7109), (254, 7148), (266, 7214), (271, 7244), (277, 7289), (280, 7304), (281, 7307), (285, 7343), (291, 7391), (294, 7400), (300, 7427), (308, 7454), (323, 7499), (330, 7553), (331, 7556), (333, 7571), (337, 7604), (341, 7622), (357, 7661), (361, 7667), (367, 7682), (374, 7703), (377, 7709), (392, 7745), (402, 7778),

Gene: YungMoney_12 Start: 6514, Stop: 8100, Start Num: 5

Candidate Starts for YungMoney_12:

(Start: 5 @6514 has 110 MA's), (16, 6577), (82, 6766), (86, 6796), (93, 6829), (120, 6913), (127, 6934), (133, 6949), (193, 7123), (195, 7129), (202, 7165), (206, 7189), (207, 7192), (215, 7231), (224, 7303), (249, 7363), (250, 7366), (251, 7369), (255, 7405), (257, 7414), (259, 7420), (260, 7423), (271, 7486), (277, 7531), (283, 7561), (288, 7609), (300, 7666), (306, 7687), (317, 7714), (318, 7717), (324, 7744), (331, 7795), (337, 7843),

Gene: Zagie_22 Start: 8634, Stop: 10460, Start Num: 41

Candidate Starts for Zagie_22:

(Start: 41 @8634 has 49 MA's), (84, 8784), (118, 8919), (133, 8958), (164, 9036), (170, 9054), (208, 9204), (210, 9219), (217, 9276), (232, 9345), (244, 9393), (246, 9402), (271, 9537), (277, 9582), (278, 9588), (281, 9600), (288, 9660), (323, 9789), (324, 9795), (327, 9822), (344, 9921), (359, 9966), (420, 10161), (429, 10197), (434, 10215), (446, 10260),

Gene: Zapato_17 Start: 7638, Stop: 9347, Start Num: 15

Candidate Starts for Zapato_17:

(Start: 13 @7629 has 39 MA's), (Start: 15 @7638 has 14 MA's), (47, 7734), (55, 7758), (82, 7863), (84, 7875), (103, 7974), (110, 7992), (124, 8046), (132, 8064), (138, 8097), (143, 8115), (163, 8169), (172, 8199), (174, 8205), (175, 8214), (183, 8250), (196, 8313), (208, 8376), (213, 8403), (217, 8448), (249, 8550), (250, 8553), (255, 8592), (257, 8601), (260, 8610), (266, 8643), (273, 8682), (283, 8748), (284, 8757), (285, 8772), (286, 8781), (288, 8796), (289, 8808), (301, 8862), (303, 8868), (313, 8898), (348, 9075), (352, 9087), (359, 9111), (360, 9114), (366, 9135), (367, 9138), (417, 9279), (420, 9291), (424, 9303), (430, 9330),

Gene: Zhafia_24 Start: 8864, Stop: 10690, Start Num: 41

Candidate Starts for Zhafia_24:

(Start: 41 @8864 has 49 MA's), (118, 9149), (133, 9188), (164, 9266), (170, 9284), (210, 9449), (217, 9506), (244, 9623), (246, 9632), (271, 9767), (277, 9812), (278, 9818), (281, 9830), (288, 9890), (323, 10019), (324, 10025), (327, 10052), (344, 10151), (359, 10196), (420, 10391), (429, 10427), (434, 10445), (446, 10490),

Gene: Zipp_14 Start: 7375, Stop: 9042, Start Num: 5

Candidate Starts for Zipp_14:

(Start: 5 @7375 has 110 MA's), (17, 7450), (22, 7471), (33, 7498), (60, 7585), (81, 7666), (85, 7696), (108, 7792), (114, 7807), (121, 7828), (125, 7840), (128, 7849), (135, 7873), (169, 7945), (171, 7954), (197, 8065), (199, 8080), (204, 8104), (208, 8122), (210, 8137), (211, 8143), (221, 8218), (249, 8278), (271, 8413), (277, 8458), (284, 8497), (289, 8548), (296, 8581), (299, 8593), (300, 8596), (308, 8623), (318, 8647), (331, 8725), (337, 8776), (345, 8806), (347, 8812), (368, 8869), (387, 8914), (401, 8962),

Gene: Zitch_15 Start: 6694, Stop: 8367, Start Num: 5

Candidate Starts for Zitch_15:

(Start: 5 @6694 has 110 MA's), (17, 6769), (33, 6817), (60, 6904), (81, 6985), (85, 7015), (121, 7147), (135, 7192), (169, 7264), (171, 7273), (197, 7384), (204, 7423), (208, 7441), (209, 7453), (210, 7456), (211, 7462), (221, 7537), (246, 7585), (249, 7597), (271, 7732), (277, 7777), (284, 7816), (289, 7867), (296, 7900), (299, 7912), (300, 7915), (308, 7942), (318, 7966), (331, 8044), (337, 8095), (345, 8125), (347, 8131), (356, 8149), (368, 8188), (387, 8233),

Gene: Zooman_67 Start: 27800, Stop: 29527, Start Num: 37

Candidate Starts for Zooman_67:

(4, 27662), (6, 27668), (7, 27671), (Start: 37 @27800 has 6 MA's), (Start: 51 @27854 has 1 MA's), (57, 27878), (71, 27929), (91, 28037), (96, 28061), (122, 28151), (124, 28163), (140, 28217), (194, 28424), (204, 28478), (249, 28694), (266, 28787), (271, 28817), (284, 28901), (290, 28961), (298, 28994),

(302, 29009), (345, 29213), (346, 29216), (347, 29219), (363, 29270), (405, 29441),