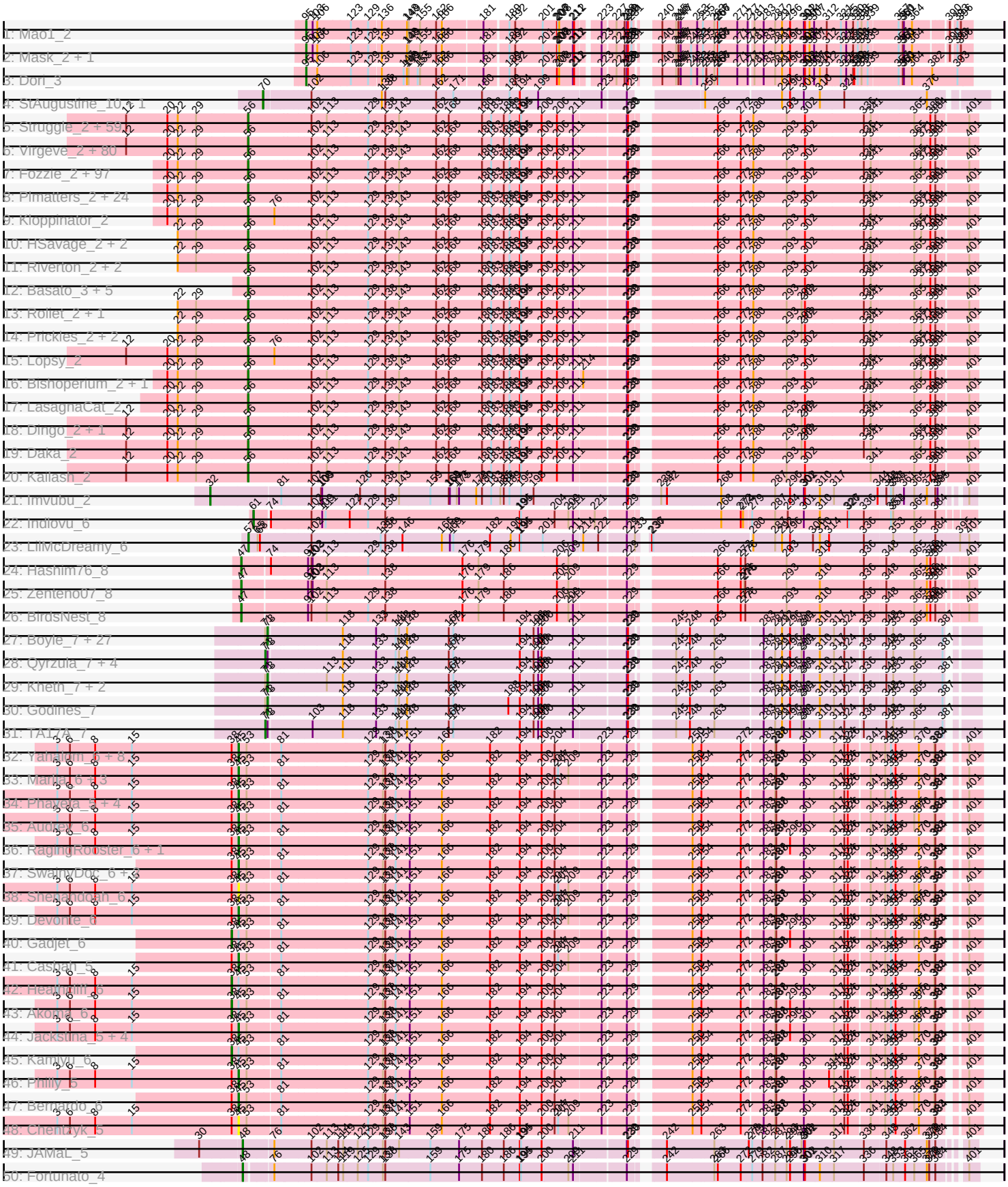
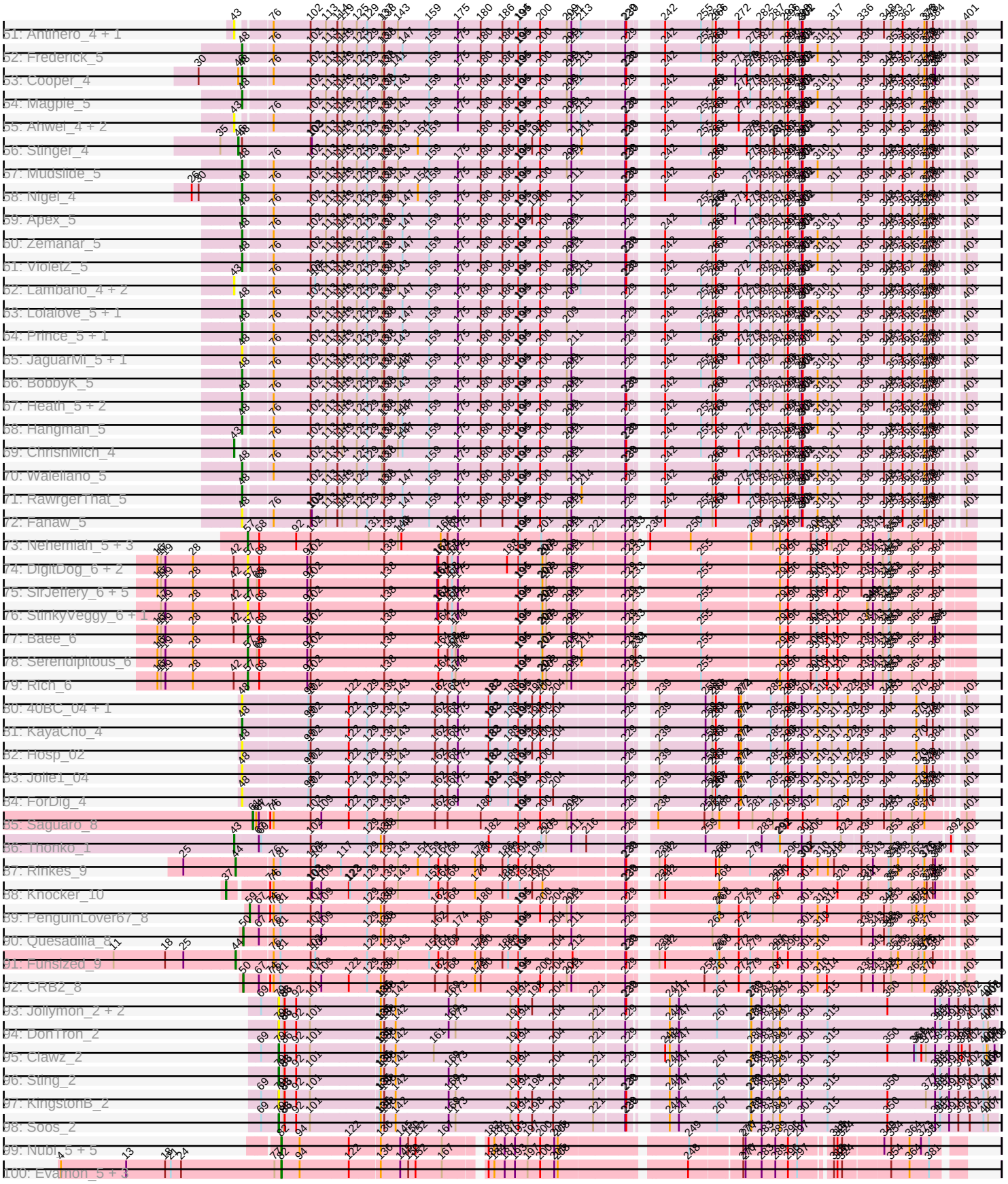
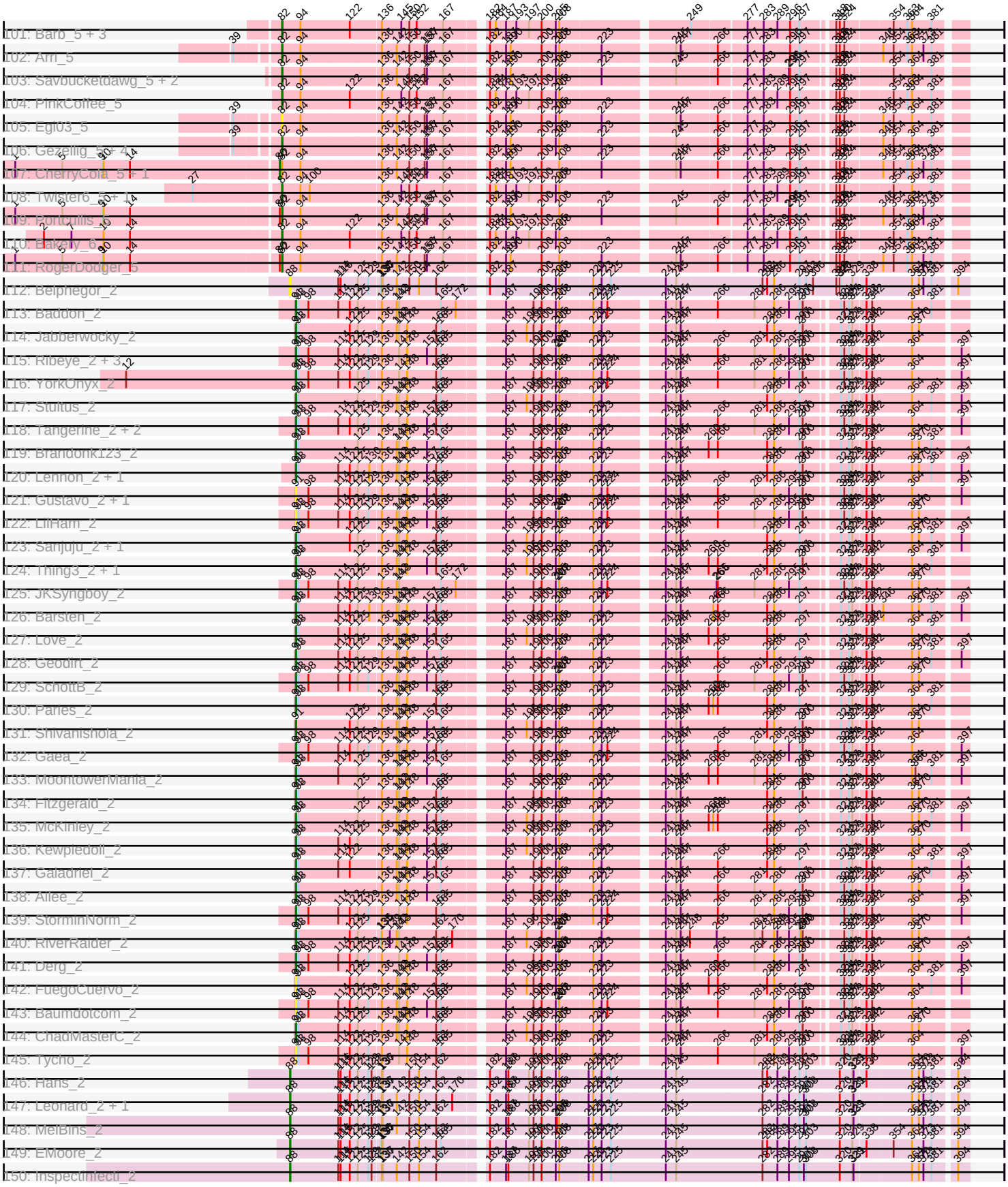
Pham 204632


1: Mao1_2
2: Mask_2 + 1
3: Don_3
4: StAugustine_10 + 1
5: Struggle_2 + 59
6: Virgeve_2 + 80
7: Fozzie_2 + 97
8: Pimatters_2 + 24
9: Kloppinator_2
10: HSavage_2 + 2
11: Riverton_2 + 2
12: Basalo_3 + 5
13: Rollet_2 + 1
14: Prickles_2 + 2
15: Lopsy_2
16: Bishoperium_2 + 1
17: LasagnaCat_2
18: Dingo_2 + 1
19: Daka_2
20: Kailash_2
21: Imvubu_2
22: Indlovu_6
23: LilMicDreamy_6
24: Hashim76_8
25: Zenteno07_8
26: BirdsNest_8
27: Boyle_7 + 27
28: Qyrzula_7 + 4
29: Kneth_7 + 2
30: Godines_7
31: TA174_7
32: Yahalom_6 + 8
33: Manga_6 + 3
34: Phayela_6 + 4
35: Audra_6
36: RagingRooster_6 + 1
37: SwampDog_6 + 3
38: Shenandoah_6
39: Devonte_6
40: Gadget_6
41: Caspian_5
42: Healthim_5
43: Akonia_6
44: Jackstina_5 + 4
45: Kamiyu_6
46: Philly_5
47: Bernardo_5
48: Chemdyk_5
49: JAMaL_5
50: Fortunato_4

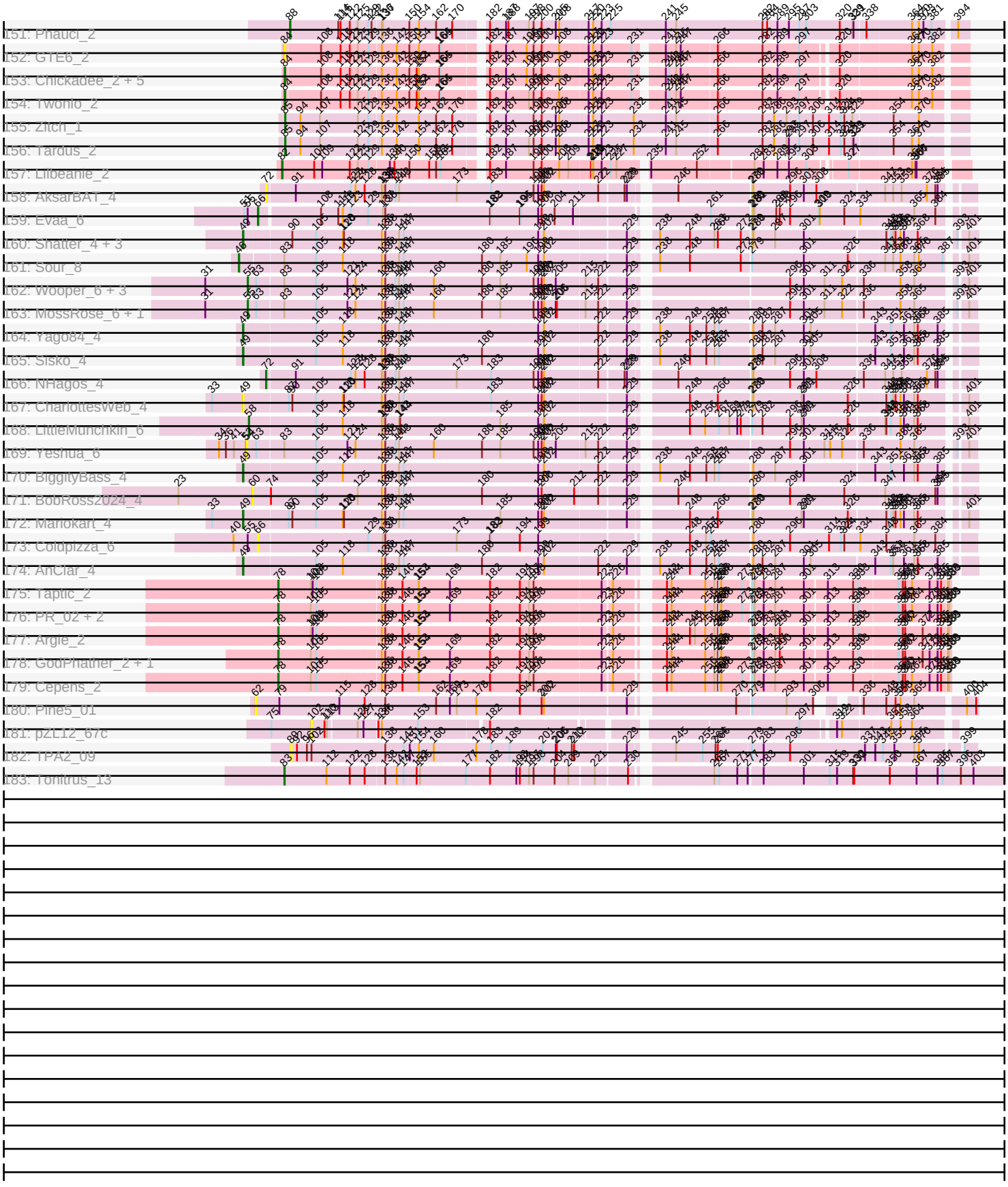
Pham 204632


51: Antihero_4 + 1
52: Frederick_5
53: Cooper_4
54: Magpie_5
55: Anwei_4 + 2
56: Stinger_4
57: Mudslide_5
58: Nigel_4
59: Apex_5
60: Zemanar_5
61: Violetz_5
62: Lambano_4 + 2
63: Lolalove_5 + 1
64: Prince_5 + 1
65: JaguarMi_5 + 1
66: BobbyK_5
67: Heath_5 + 2
68: Hangman_5
69: ChrisnMich_4
70: Waleriano_5
71: RawrgerThat_5
72: Fanaw_5
73: Nehemiah_5 + 3
74: DigitDog_6 + 2
75: SirJeffery_6 + 5
76: StinkyVeggy_6 + 1
77: Baee_6
78: Serendiptous_6
79: Rich_6
80: 40BC_04 + 1
81: KayaCho_4
82: Hosp_02
83: Jolie1_04
84: ForDig_4
85: Saguaro_8
86: Thonko_1
87: Rinkes_9
88: Knocker_10
89: PenguinLover67_8
90: Quesadilla_8
91: Funsized_9
92: CRB2_8
93: Jollymon_2 + 2
94: DonTron_2
95: Clawz_2
96: Sting_2
97: KingstonB_2
98: Soos_2
99: Nubi_5 + 5
100: Evamon_5 + 3

Pham 204632



Pham 204632


151: Phauci_2
152: GTE6_2
153: Chickadee_2 + 5
154: Twonio_2
155: Zitch_1
156: Tardus_2
157: Lilbeanie_2
158: AksarBAT_4
159: Evaa_6
160: Shatter_4 + 3
161: Sour_8
162: Wooper_6 + 3
163: MossRose_6 + 1
164: Yago84_4
165: Sisko_4
166: NHagos_4
167: CharlottesWeb_4
168: LittleMunchkin_6
169: Yeshua_6
170: BiggityBass_4
171: BobRoss2024_4
172: Mariokart_4
173: Coldpizza_6
174: AnClar_4
175: Taptic_2
176: PR_02 + 2
177: Argie_2
178: GodFather_2 + 1
179: Cepens_2
180: Pine5_01
181: pZL12_67c
182: YPA2_09
183: Tonitrus_13

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 204632 Report

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

Pham number 204632 has 582 members, 89 are drafts.

Phages represented in each track:
• Track 1 : Mao1_2
• Track 2 : Mask_2, Sejanus_2
• Track 3 : Dori_3
• Track 4 : StAugustine_10, Causa_11
• Track 5 : Struggle_2, MelsMeow_2, Brilliant_2, Weher20_2, Chunky_2, Veritas_2, MichaelPhcott_2, Soile_2, LeiMonet_2, PhrankReynolds_2, AngelCake_2, Trypo_2, Wallhey_2, Khan1_2, Plata_2, Inchworm_2, Melc17_2, Maskar_2, Longacauda_2, JakeO_2, MrPhizzler_2, Gwennie1_2, Mag7_2, Durga_2, Swiphy_2, Labeouficaum_2, Phleuron_2, Thunderbird_2, Etaye_2, Hartsy_2, Oline_2, Jiminy_2, JDog_2, CampRoach_2, GeneCoco_2, DaddyDaniels_2, Derpp_2, DelRivs_2, PhenghisKhan_2, Doddsville_2, Zonia_2, Jiraiya_2, DuchessDung_2, Duggie_2, Ashraf_2, Iridessa_2, BatteryCK_2, Magic8_2, Sheila_2, Dati_2, Ricotta_2, CharlieGBrown_2, Pinkman_2, TyrionL_2, MiniBoss_2, PhatLouie_2, ImtiyazSitla_2, Kwksand96_2, Phergie_2, Rimu_2
• Track 6 : Virgeve_2, Morty_2, Childish_2, RedMaple_2, Yoshand_2, Robyn_2, Pops_2, Buckeye_2, UncleHowie_2, DonSanchon_2, KingVeVeVe_2, LostAndPhound_2, FriarPreacher_2, Timmi_2, Aelin_2, Burr_2, Eremos_2, Boehler_2, Hetaeria_2, MitKao_2, Badfish_2, Lulwa_2, Xavier_2, FluffyNinja_2, TallGrassMM_2, Schadenfreude_2, Pipsqueak_2, Hocus_2, Held_2, Squiggle_2, Simielle_2, BlackStallion_2, Vaishali24_2, LemonSlice_2, Jesabah_2, Tooj_2, Potter_2, Altwerkus_2, Caspiboi_2, KlimbOn_2, Daffy_2, IsaacEli_2, AltPhacts_2, Carthage_2, Toni_2, Apizium_2, FugateOSU_2, Antonia_2, Banjo_2, Haleema_2, Solosis_2, Kikipoo_2, Vortex_2, Giraffe_2, PinheadLarry_2, Mosaic_2, SDcharge11_2, Cornbread_2, Bluephacebaby_2, Gareth_2, Harvey_2, Telesworld_2, Jillium_2, Fringe_2, UAch1_2, Waterdiva_2, Murdoc_2, Manad_2, Phareon_2, Pherdinand_2, Schueller_2, Cher_2, Morgushi_2, Kwadwo_2, Cornobble_2, Beaglebox_2, Vivaldi_2, Mcshane_2, Slatt_2, Inverness_2, Horchata_2
• Track 7 : Fozzie_2, PhatCats2014_2, Orion_2, HenryJackson_2, Swish_2, Eugenia_2, Adriana_2, Skippy_2, EmpTee_2, Legolas_2, ThreeOh3D2_2, DoesntMatter_2, Katniss_2, ProfessorX_2, Riggan_2, PhrodoBaggins_2, Orwigg_2, Matalotodo_2, Serendipity_2, Craff_2, Newman_2, Grand2040_2, Surely_2, True_2, Oosterbaan_2, Spartan300_2, Megatron_2, Iridoclysis_2, Mana_2, DirtJuice_2, Gophee_2, Usavi_2, Valjean_2, Thora_2, Haimas_2, TomBombadil_2, SilverBell_2, Placalicious_2, KingTut_2, Hamish_2, Lulumae_2, Lego3393_2, Cobra_2, Gyarad_002, Vista_2, Roy17_2, ElvisPhasley_2, Cosmolli16_2, Fang_2, Sigman_2, LeeLot_2, Sophia_2, Samaymay_2, Nyala_2, Emiris_2, Mulan_2, Chah_2, Nicole21_2, Andre_2, ABU_2, Kahve_2, MRabcd_2, YouGoGlencoco_2, Nathan_2,

Mutante_2, QueenBeane_2, Scoot17C_2, KLucky39_2, Virapocalypse_2, SassyCat97_2, Charles1_2, Piglet_002, Mesh1_2, JangoPhett_2, Olak_2, Scrick_2, OSmaximus_2, HighStump_2, PG1_2, Olive_2, Megamind20_2, Nacho_002, Chorkpop_2, JacAttac_2, Hertubise_2, CheetO_2, Serpentine_002, Phamished_2, CamL_2, Maru_2, Cannibal_2, Pacifista_2, Vaticameos_2, Quisquiliae_2, Squid_2, Anderson_2, Zelda_2, Numberten_2
• Track 8 : Plmatters_2, Selr12_2, Windsor_2, Puhltonio_2, ShiVal_2, Tomlarah_2, Mesmerelda_2, Kimbrough_2, Lumine_2, Phipps_2, OliverWalter_2, Freya_2, Dione_2, Omniscient_2, Coletti_2, Dice_2, Keitherie_2, Phunky_2, SirBeauregard_2, Podrick_2, Chute_2, Lasso_2, Chaelin_2, Orfeu_2, LuckyMarjie_2
• Track 9 : Kloppinator_2
• Track 10 : HSavage_2, Suffolk_2, Colbert_2
• Track 11 : Riverton_2, Gwilliam_2, AbsoluteMadLad_2
• Track 12 : Basato_3, Chipette_3, Zaider_3, Crownjwl_3, Roscoe_3, TooFast2Furius_3
• Track 13 : Roliet_2, Soto_2
• Track 14 : Prickles_2, Frankicide_2, Mikota_2
• Track 15 : Lopsy_2
• Track 16 : Bishoperium_2, Mecca_2
• Track 17 : LasagnaCat_2
• Track 18 : Dingo_2, BlueHusk_2
• Track 19 : Daka_2
• Track 20 : Kailash_2
• Track 21 : Imvubu_2
• Track 22 : Indlovu_6
• Track 23 : LilMcDreamy_6
• Track 24 : Hashim76_8
• Track 25 : Zenteno07_8
• Track 26 : BirdsNest_8
• Track 27 : Boyle_7, Vic9_00007, Kolhan_7, Eaglehorse_7, MasterPo_7, ItsyBitsy1_7, Calamitous_7, Glass_7, Holeinone_7, Sabella_7, Bananafish_7, West99_7, FrenchFry_7, LilSmirk_7, PrinceCharming_7, Rosebush_7, Hedgerow_7, Lephleur_7, Opia_7, LizLemon_7, Arbiter_7, Faze9_7, Lars_7, Allegro_7, Kaleb_7, Tres_7, Phantasmagoria_7, Coffee_7
• Track 28 : Qyrzula_7, Brownie5_7, Laurie_7, Ares_7, Tinciduntsolum_8
• Track 29 : Kheth_7, Rhinoforte_7, Blocker23_7
• Track 30 : Godines_7
• Track 31 : TA17A_7
• Track 32 : Yahalom_6, Rita1961_6, Baloo_6, MmasiCarm_6, Glubnar_6, Phaedrus_5, Halfpint_5, Yinz_6, HarveySr_6
• Track 33 : Marlia_6, Gervas_6, Ben11_5, Obutu_6
• Track 34 : Phayeta_5, TinyTerror_6, Olivio_5, ChaChing_6, LestyG_6
• Track 35 : Audrey_6
• Track 36 : RagingRooster_6, SynergyX_6
• Track 37 : SwainyDoc_6, Corofin_6, Daisy_6
• Track 38 : Shenandoah_6
• Track 39 : Devonte_6
• Track 40 : Gadjet_6
• Track 41 : Casbah_5
• Track 42 : Heathcliff_6
• Track 43 : Akoma_6
• Track 44 : Jackstina_5, OrangeOswald_6, GlenHope_6, Compostia_6, Abinghost_6
• Track 45 : Kamiyu_6

• Track 46 : Philly_5
• Track 47 : Bernardo_6
• Track 48 : Chentzyk_5
• Track 49 : JAMaL_5
• Track 50 : Fortunato_4
• Track 51 : Antihero_4, Epah_4
• Track 52 : Frederick_5
• Track 53 : Cooper_4
• Track 54 : Magpie_5
• Track 55 : Ahwei_4, Poster_4, Nanao_4
• Track 56 : Stinger_4
• Track 57 : Mudslide_5
• Track 58 : Nigel_4
• Track 59 : Apex_5
• Track 60 : Zemanar_5
• Track 61 : VioletZ_5
• Track 62 : Lambano_4, GinPorsche_4, Hally898_4
• Track 63 : Lolalove_5, Hydro_5
• Track 64 : Prince_5, Austelle_5
• Track 65 : JaguarMi_5, Xincheng_5
• Track 66 : BobbyK_5
• Track 67 : Heath_5, Mithril_5, BrownCNA_5
• Track 68 : Hangman_5
• Track 69 : ChrisnMich_4
• Track 70 : Waleliano_5
• Track 71 : RawrgerThat_5
• Track 72 : Fanaw_5
• Track 73 : Nehemiah_5, Phelemich_6, Reprobate_6, Mysterious_6
• Track 74 : DigitDog_6, Shenyu_6, Nangang_6
• Track 75 : SirJeffery_6, Suigeneris_6, Acadian_6, Rita130_6, EastView9101_6, Donny_6
• Track 76 : StinkyVeggy_6, KarasumaRum_6
• Track 77 : Baee_6
• Track 78 : Serendipitous_6
• Track 79 : Rich_6
• Track 80 : 40BC_04, 39HC_04
• Track 81 : KayaCho_4
• Track 82 : Hosp_02
• Track 83 : Jolie1_04
• Track 84 : ForDig_4
• Track 85 : Saguaro_8
• Track 86 : Thonko_1
• Track 87 : Rinkes_9
• Track 88 : Knocker_10
• Track 89 : PenguinLover67_8
• Track 90 : Quesadilla_8
• Track 91 : Funsized_9
• Track 92 : CRB2_8
• Track 93 : Jollymon_2, ColdSoup_2, Amo99_2
• Track 94 : DonTron_2
• Track 95 : Clawz_2
• Track 96 : Sting_2
• Track 97 : KingstonB_2

• Track 98 : Soos_2
• Track 99 : Nubi_5, Halo3_5, CoveyB_5, Danyall_5, Mutzi_5, Shinji_5
• Track 100 : Evamon_5, Togo_5, Salvador_5, SmokingBunny_5
• Track 101 : Barb_5, ClamChowder_5, Fugax_5, KimmyK_5
• Track 102 : Arri_5
• Track 103 : Savbucketdawg_5, Jambalaya_5, TillyBobJoe_5
• Track 104 : PinkCoffee_5
• Track 105 : Egi03_5
• Track 106 : Gezellig_5, PullumCavea_5, Fireball_5, Phlop_5, Wizard_5
• Track 107 : CherryCola_5, Valary_5
• Track 108 : Twister6_5, VanDeWege_5
• Track 109 : Portcullis_5
• Track 110 : Bakery_6
• Track 111 : RogerDodger_5
• Track 112 : Belphegor_2
• Track 113 : Baddon_2
• Track 114 : Jabberwocky_2
• Track 115 : Ribeye_2, Kroos_2, Bizzy_2, Flatwoods_2
• Track 116 : YorkOnyx_2
• Track 117 : Stultus_2
• Track 118 : Tangerine_2, Kwobi_2, Ashertheman_2
• Track 119 : Brandonk123_2
• Track 120 : Lennon_2, Sitar_2
• Track 121 : Gustavo_2, Saronaya_2
• Track 122 : LilHam_2
• Track 123 : Sanjuju_2, Bibwit_2
• Track 124 : Thing3_2, Kamashten_2
• Track 125 : JKSyngboy_2
• Track 126 : Barsten_2
• Track 127 : Love_2
• Track 128 : Geodirt_2
• Track 129 : SchottB_2
• Track 130 : Paries_2
• Track 131 : Shivanishola_2
• Track 132 : Gaea_2
• Track 133 : MoontowerMania_2
• Track 134 : Fitzgerald_2
• Track 135 : McKinley_2
• Track 136 : Kewpiedoll_2
• Track 137 : Galadriel_2
• Track 138 : Ailee_2
• Track 139 : StorminNorm_2
• Track 140 : RiverRaider_2
• Track 141 : Derg_2
• Track 142 : FuegoCuervo_2
• Track 143 : Baumdotcom_2
• Track 144 : ChadMasterC_2
• Track 145 : Tycho_2
• Track 146 : Hans_2
• Track 147 : Leonard_2, Phinally_2
• Track 148 : MelBins_2
• Track 149 : EMoore_2
• Track 150 : Inspectinfecti_2

• Track 151 : Phauci_2
• Track 152 : GTE6_2
• Track 153 : Chickadee_2, Kwekel_2, Tiamoceli_2, RoadKill_2, Dexdert_2, EdmundFerry_2
• Track 154 : Twonlo_2
• Track 155 : Zitch_1
• Track 156 : Tardus_2
• Track 157 : Lilbeanie_2
• Track 158 : AksarBAT_4
• Track 159 : Evaa_6
• Track 160 : Shatter_4, Ligma_4, Fresco_4, Axumite_4
• Track 161 : Sour_8
• Track 162 : Wooper_6, CaiB_6, AnarQue_6, MakoManhole_6
• Track 163 : MossRose_6, CloverMinnie_6
• Track 164 : Yago84_4
• Track 165 : Sisko_4
• Track 166 : NHagos_4
• Track 167 : CharlottesWeb_4
• Track 168 : LittleMunchkin_6
• Track 169 : Yeshua_6
• Track 170 : BiggityBass_4
• Track 171 : BobRoss2024_4
• Track 172 : Mariokart_4
• Track 173 : Coldpizza_6
• Track 174 : AnClar_4
• Track 175 : Taptic_2
• Track 176 : PR_02, D12_02, Megabear_2
• Track 177 : Argie_2
• Track 178 : GodPhather_2, Jeon_2
• Track 179 : Cepens_2
• Track 180 : Pine5_01
• Track 181 : pZL12_67c
• Track 182 : TPA2_09
• Track 183 : Tonitrus_13

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

The start number called the most often in the published annotations is 56, it was called in 267 of the 493 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABU_2, AbsoluteMadLad_2, Adriana_2, Aelin_2, AltPhacts_2, Altwerkus_2, Anderson_2, Andre_2, AngelCake_2, Antonia_2, Apizium_2, Ashraf_2, Badfish_2, Banjo_2, Basato_3, BatteryCK_2, Beaglebox_2, Bishoperium_2, BlackStallion_2, BlueHusk_2, Bluephacebaby_2, Boehler_2, Brilliant_2, Buckeye_2, Burr_2, CamL_2, CampRoach_2, Cannibal_2, Carthage_2, Caspiboi_2, Chaelin_2, Chah_2, Charles1_2, CharlieGBrown_2, CheetO_2, Cher_2, Childish_2, Chipette_3, Chorkpop_2, Chunky_2, Chute_2, Cobra_2, Colbert_2, Coletti_2, Cornbread_2, Cornobble_2, Cosmolli16_2, Craff_2, Crownjwl_3, DaddyDaniels_2, Daffy_2, Daka_2, Dati_2, DelRivs_2, Derpp_2, Dice_2, Dingo_2, Dione_2, DirtJuice_2,

Doddsville_2, DoesntMatter_2, DonSanchon_2, DuchessDung_2, Duggie_2, Durga_2, ElvisPhasley_2, Emiris_2, EmpTee_2, Eremos_2, Etaye_2, Eugenia_2, Fang_2, FluffyNinja_2, Fozzie_2, Frankicide_2, Freya_2, FriarPreacher_2, Fringe_2, FugateOSU_2, Gareth_2, GeneCoco_2, Giraffe_2, Gophee_2, Grand2040_2, Gwennie1_2, Gwilliam_2, Gyarad_002, HSavage_2, Haimas_2, Haleema_2, Hamish_2, Hartsy_2, Harvey_2, Held_2, HenryJackson_2, Hertubise_2, Hetaeria_2, HighStump_2, Hocus_2, Horchata_2, ImtiyazSitla_2, Inchworm_2, Inverness_2, Iridessa_2, Iridoclysis_2, IsaacEli_2, JDog_2, JacAttac_2, JakeO_2, JangoPhett_2, Jesabah_2, Jillium_2, Jiminy_2, Jiraiya_2, KLucky39_2, Kahve_2, Kailash_2, Katniss_2, Keitherie_2, Khan1_2, Kikipoo_2, Kimbrough_2, KingTut_2, KingVeVeVe_2, KlimbOn_2, Kloppinator_2, Kwadwo_2, Kwksand96_2, Labeouficaum_2, LasagnaCat_2, Lasso_2, LeeLot_2, Lego3393_2, Legolas_2, LeiMonet_2, LemonSlice_2, Longacauda_2, Lopsy_2, LostAndPhound_2, LuckyMarjie_2, Lulumae_2, Lulwa_2, Lumine_2, MRabcd_2, Mag7_2, Magic8_2, Mana_2, Manad_2, Maru_2, Maskar_2, Matalotodo_2, Mcshane_2, Mecca_2, Megamind20_2, Megatron_2, Melc17_2, MelsMeow_2, Mesh1_2, Mesmerelda_2, MichaelPhcott_2, Mikota_2, MiniBoss_2, MitKao_2, Morgushi_2, Morty_2, Mosaic_2, MrPhizzler_2, Mulan_2, Murdoc_2, Mutante_2, Nacho_002, Nathan_2, Newman_2, Nicole21_2, Numberten_2, Nyala_2, OSmaximus_2, Olak_2, Oline_2, Olive_2, OliverWalter_2, Omniscient_2, Oosterbaan_2, Orfeu_2, Orion_2, Orwigg_2, PG1_2, Pacifista_2, Phamished_2, Phareon_2, PhatCats2014_2, PhatLouie_2, PhenghisKhan_2, Pherdinand_2, Phergie_2, Phipps_2, Phleuron_2, PhrankReynolds_2, PhrodoBaggins_2, Phunky_2, Piglet_002, PinheadLarry_2, Pinkman_2, Pipsqueak_2, Placalicious_2, Plata_2, Plmatters_2, Podrick_2, Pops_2, Potter_2, Prickles_2, ProfessorX_2, Puhltonio_2, QueenBeane_2, Quisquiliae_2, RedMaple_2, Ricotta_2, Riggan_2, Rimu_2, Riverton_2, Robyn_2, Roliet_2, Roscoe_3, Roy17_2, SDcharge11_2, Samaymay_2, SassyCat97_2, Schadenfreude_2, Schueller_2, Scoot17C_2, Scrick_2, Selr12_2, Serendipity_2, Serpentine_002, Sheila_2, ShiVal_2, Sigman_2, SilverBell_2, Simielle_2, SirBeauregard_2, Skippy_2, Slatt_2, Soile_2, Solosis_2, Sophia_2, Soto_2, Spartan300_2, Squid_2, Squiggle_2, Struggle_2, Suffolk_2, Surely_2, Swiphy_2, Swish_2, TallGrassMM_2, Telesworld_2, Thora_2, ThreeOh3D2_2, Thunderbird_2, Timmi_2, TomBombadil_2, Tomlarah_2, Toni_2, TooFast2Furius_3, Tooj_2, True_2, Trypo_2, TyrionL_2, UAch1_2, UncleHowie_2, Usavi_2, Vaishali24_2, Valjean_2, Vaticameos_2, Veritas_2, Virapocalypse_2, Virgeve_2, Vista_2, Vivaldi_2, Vortex_2, Wallhey_2, Waterdiva_2, Weher20_2, Windsor_2, Xavier_2, Yoshand_2, YouGoGlencoco_2, Zaider_3, Zelda_2, Zonia_2,

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

Genes that do not have the "Most Annotated" start:
• 39HC_04, 40BC_04, Abinghost_6, Acadian_6, Ahwei_4, Ailee_2, Akoma_6, AksarBAT_4, Allegro_7, Amo99_2, AnClar_4, AnarQue_6, Antihero_4, Apex_5, Arbiter_7, Ares_7, Argie_2, Arri_5, Ashertheman_2, Audrey_6, Austelle_5, Axumite_4, Baddon_2, Baee_6, Bakery_6, Baloo_6, Bananafish_7, Barb_5, Barsten_2, Baumdotcom_2, Belphegor_2, Ben11_5, Bernardo_6, Bibwit_2, BiggityBass_4, BirdsNest_8, Bizzy_2, Blocker23_7, BobRoss2024_4, BobbyK_5, Boyle_7, Brandonk123_2, BrownCNA_5, Brownie5_7, CRB2_8, CaiB_6, Calamitous_7, Casbah_5, Causa_11, Cepens_2, ChaChing_6, ChadMasterC_2, CharlottesWeb_4, Chentzyk_5, CherryCola_5, Chickadee_2, ChrisnMich_4, ClamChowder_5, Clawz_2, CloverMinnie_6, Coffee_7, ColdSoup_2, Coldpizza_6, Compostia_6, Cooper_4, Corofin_6, CoveyB_5, D12_02, Daisy_6, Danyall_5,

Derg_2, Devonte_6, Dexdert_2, DigitDog_6, DonTron_2, Donny_6, Dori_3, EMoore_2, Eaglehorse_7, EastView9101_6, EdmundFerry_2, Egi03_5, Epah_4, Evaa_6, Evamon_5, Fanaw_5, Faze9_7, Fireball_5, Fitzgerald_2, Flatwoods_2, ForDig_4, Fortunato_4, Frederick_5, FrenchFry_7, Fresco_4, FuegoCuervo_2, Fugax_5, Funsized_9, GTE6_2, Gadjet_6, Gaea_2, Galadriel_2, Geodirt_2, Gervas_6, Gezellig_5, GinPorsche_4, Glass_7, GlenHope_6, Glubnar_6, GodPhather_2, Godines_7, Gustavo_2, Halfpint_5, Hally898_4, Halo3_5, Hangman_5, Hans_2, HarveySr_6, Hashim76_8, Heath_5, Heathcliff_6, Hedgerow_7, Holeinone_7, Hosp_02, Hydro_5, Imvubu_2, Indlovu_6, Inspectinfecti_2, ItsyBitsy1_7, JAMaL_5, JKSyngboy_2, Jabberwocky_2, Jackstina_5, JaguarMi_5, Jambalaya_5, Jeon_2, Jolie1_04, Jollymon_2, Kaleb_7, Kamashten_2, Kamiyu_6, KarasumaRum_6, KayaCho_4, Kewpiedoll_2, Kheth_7, KimmyK_5, KingstonB_2, Knocker_10, Kolhan_7, Kroos_2, Kwekel_2, Kwobi_2, Lambano_4, Lars_7, Laurie_7, Lennon_2, Leonard_2, Lephleur_7, LestyG_6, Ligma_4, LilHam_2, LilMcDreamy_6, LilSmirk_7, Lilbeanie_2, LittleMunchkin_6, LizLemon_7, Lolalove_5, Love_2, Magpie_5, MakoManhole_6, Mao1_2, Mariokart_4, Marlia_6, Mask_2, MasterPo_7, McKinley_2, Megabear_2, MelBins_2, Mithril_5, MmasiCarm_6, MoontowerMania_2, MossRose_6, Mudslide_5, Mutzi_5, Mysterious_6, NHagos_4, Nanao_4, Nangang_6, Nehemiah_5, Nigel_4, Nubi_5, Obutu_6, Olivio_5, Opia_7, OrangeOswald_6, PR_02, Paries_2, PenguinLover67_8, Phaedrus_5, Phantasmagoria_7, Phauci_2, Phayeta_5, Phelemich_6, Philly_5, Phinally_2, Phlop_5, Pine5_01, PinkCoffee_5, Portcullis_5, Poster_4, PrinceCharming_7, Prince_5, PullumCavea_5, Quesadilla_8, Qyrzula_7, RagingRooster_6, RawrgerThat_5, Reprobate_6, Rhinoforte_7, Ribeye_2, Rich_6, Rinkes_9, Rita130_6, Rita1961_6, RiverRaider_2, RoadKill_2, RogerDodger_5, Rosebush_7, Sabella_7, Saguaro_8, Salvador_5, Sanjuju_2, Saronaya_2, Savbucketdawg_5, SchottB_2, Sejanus_2, Serendipitous_6, Shatter_4, Shenandoah_6, Shenyu_6, Shinji_5, Shivanishola_2, SirJeffery_6, Sisko_4, Sitar_2, SmokingBunny_5, Soos_2, Sour_8, StAugustine_10, Sting_2, Stinger_4, StinkyVeggy_6, StorminNorm_2, Stultus_2, Suigeneris_6, SwainyDoc_6, SynergyX_6, TA17A_7, TPA2_09, Tangerine_2, Taptic_2, Tardus_2, Thing3_2, Thonko_1, Tiamoceli_2, TillyBobJoe_5, Tinciduntsolum_8, TinyTerror_6, Togo_5, Tonitrus_13, Tres_7, Twister6_5, Twonlo_2, Tycho_2, Valary_5, VanDeWege_5, Vic9_00007, VioletZ_5, Waleliano_5, West99_7, Wizard_5, Wooper_6, Xincheng_5, Yago84_4, Yahalom_6, Yeshua_6, Yinz_6, YorkOnyx_2, Zemanar_5, Zenteno07_8, Zitch_1, pZL12_67c,

Summary by start number:

Start 32:
• Found in 1 of 582 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Imvubu_2 (B10),

Start 37:
• Found in 1 of 582 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Knocker_10 (B9),

Start 38:
• Found in 39 of 582 (6.7%) of genes in pham
• Manual Annotations of this start: 4 of 493

• Called 10.3% of time when present
• Phage (with cluster) where this start called: Akoma_6 (B3), Gadjet_6 (B3), Heathcliff_6 (B3), Kamiyu_6 (B3),

Start 43:
• Found in 10 of 582 (1.7%) of genes in pham
• Manual Annotations of this start: 2 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ahwei_4 (B4), Antihero_4 (B4), ChrisnMich_4 (B4), Epah_4 (B4), GinPorsche_4 (B4), Hally898_4 (B4), Lambano_4 (B4), Nanao_4 (B4), Poster_4 (B4), Thonko_1 (B8),

Start 44:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Funsized_9 (B9), Rinkes_9 (B9),

Start 45:
• Found in 39 of 582 (6.7%) of genes in pham
• Manual Annotations of this start: 27 of 493
• Called 89.7% of time when present
• Phage (with cluster) where this start called: Abinghost_6 (B3), Audrey_6 (B3), Baloo_6 (B3), Ben11_5 (B3), Bernardo_6 (B3), Casbah_5 (B3), ChaChing_6 (B3), Chentzyk_5 (B3), Compostia_6 (B3), Corofin_6 (B3), Daisy_6 (B3), Devonte_6 (B3), Gervas_6 (B3), GlenHope_6 (B3), Glubnar_6 (B3), Halfpint_5 (B3), HarveySr_6 (B3), Jackstina_5 (B3), LestyG_6 (B3), Marlia_6 (B3), MmasiCarm_6 (B3), Obutu_6 (B3), Olivio_5 (B3), OrangeOswald_6 (B3), Phaedrus_5 (B3), Phayeta_5 (B3), Philly_5 (B3), RagingRooster_6 (B3), Rita1961_6 (B3), Shenandoah_6 (B3), SwainyDoc_6 (B3), SynergyX_6 (B3), TinyTerror_6 (B3), Yahalom_6 (B3), Yinz_6 (B3),

Start 46:
• Found in 3 of 582 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 493
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Sour_8 (DR), Stinger_4 (B4),

Start 47:
• Found in 3 of 582 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_8 (B13), Hashim76_8 (B13), Zenteno07_8 (B13),

Start 48:
• Found in 31 of 582 (5.3%) of genes in pham
• Manual Annotations of this start: 22 of 493
• Called 96.8% of time when present
• Phage (with cluster) where this start called: 39HC_04 (B6), 40BC_04 (B6), Apex_5 (B4), Austelle_5 (B4), BobbyK_5 (B4), BrownCNA_5 (B4), Cooper_4 (B4), Fanaw_5 (B4), ForDig_4 (B6), Fortunato_4 (B4), Frederick_5 (B4), Hangman_5 (B4), Heath_5 (B4), Hosp_02 (B6), Hydro_5 (B4), JAMaL_5 (B4), JaguarMi_5 (B4), Jolie1_04 (B6), KayaCho_4 (B6), Lolalove_5 (B4), Magpie_5 (B4), Mithril_5 (B4), Mudslide_5 (B4),

Nigel_4 (B4), Prince_5 (B4), RawrgerThat_5 (B4), VioletZ_5 (B4), Waleliano_5 (B4), Xincheng_5 (B4), Zemanar_5 (B4),

Start 49:
• Found in 10 of 582 (1.7%) of genes in pham
• Manual Annotations of this start: 9 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_4 (DR), Axumite_4 (DR), BiggityBass_4 (DR), CharlottesWeb_4 (DR), Fresco_4 (DR), Ligma_4 (DR), Mariokart_4 (DR), Shatter_4 (DR), Sisko_4 (DR), Yago84_4 (DR),

Start 50:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_8 (B9), Quesadilla_8 (B9),

Start 54:
• Found in 1 of 582 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yeshua_6 (DR),

Start 55:
• Found in 8 of 582 (1.4%) of genes in pham
• Manual Annotations of this start: 6 of 493
• Called 75.0% of time when present
• Phage (with cluster) where this start called: AnarQue_6 (DR), CaiB_6 (DR), CloverMinnie_6 (DR), MakoManhole_6 (DR), MossRose_6 (DR), Wooper_6 (DR),

Start 56:
• Found in 290 of 582 (49.8%) of genes in pham
• Manual Annotations of this start: 267 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ABU_2 (B1), AbsoluteMadLad_2 (B1), Adriana_2 (B1), Aelin_2 (B1), AltPhacts_2 (B1), Altwerkus_2 (B1), Anderson_2 (B1), Andre_2 (B1), AngelCake_2 (B1), Antonia_2 (B1), Apizium_2 (B1), Ashraf_2 (B1), Badfish_2 (B1), Banjo_2 (B1), Basato_3 (B1), BatteryCK_2 (B1), Beaglebox_2 (B1), Bishoperium_2 (B1), BlackStallion_2 (B1), BlueHusk_2 (B1), Bluephacebaby_2 (B1), Boehler_2 (B1), Brilliant_2 (B1), Buckeye_2 (B1), Burr_2 (B1), CamL_2 (B1), CampRoach_2 (B1), Cannibal_2 (B1), Carthage_2 (B1), Caspiboi_2 (B1), Chaelin_2 (B1), Chah_2 (B1), Charles1_2 (B1), CharlieGBrown_2 (B1), CheetO_2 (B1), Cher_2 (B1), Childish_2 (B1), Chipette_3 (B1), Chorkpop_2 (B1), Chunky_2 (B1), Chute_2 (B1), Cobra_2 (B1), Colbert_2 (B1), Coletti_2 (B1), Cornbread_2 (B1), Cornobble_2 (B1), Cosmolli16_2 (B1), Craff_2 (B1), Crownjwl_3 (B1), DaddyDaniels_2 (B1), Daffy_2 (B1), Daka_2 (B1), Dati_2 (B1), DelRivs_2 (B1), Derpp_2 (B1), Dice_2 (B1), Dingo_2 (B1), Dione_2 (B1), DirtJuice_2 (B1), Doddsville_2 (B1), DoesntMatter_2 (B1), DonSanchon_2 (B1), DuchessDung_2 (B1), Duggie_2 (B1), Durga_2 (B1), ElvisPhasley_2 (B1), Emiris_2 (B1), EmpTee_2 (B1), Eremos_2 (B1), Etaye_2 (B1), Eugenia_2 (B1), Fang_2 (B1), FluffyNinja_2 (B1), Fozzie_2 (B1), Frankicide_2 (B1), Freya_2 (B1), FriarPreacher_2 (B1), Fringe_2 (B1), FugateOSU_2 (B1), Gareth_2 (B1), GeneCoco_2 (B1), Giraffe_2 (B1), Gophee_2 (B1), Grand2040_2 (B1), Gwennie1_2 (B1), Gwilliam_2 (B1), Gyarad_002 (B1), HSavage_2 (B1), Haimas_2

(B1), Haleema_2 (B1), Hamish_2 (B1), Hartsy_2 (B1), Harvey_2 (B1), Held_2 (B1), HenryJackson_2 (B1), Hertubise_2 (B1), Hetaeria_2 (B1), HighStump_2 (B1), Hocus_2 (B1), Horchata_2 (B1), ImtiyazSitla_2 (B1), Inchworm_2 (B1), Inverness_2 (B1), Iridessa_2 (B1), Iridoclysis_2 (B1), IsaacEli_2 (B1), JDog_2 (B1), JacAttac_2 (B1), JakeO_2 (B1), JangoPhett_2 (B1), Jesabah_2 (B1), Jillium_2 (B1), Jiminy_2 (B1), Jiraiya_2 (B1), KLucky39_2 (B1), Kahve_2 (B1), Kailash_2 (B1), Katniss_2 (B1), Keitherie_2 (B1), Khan1_2 (B1), Kikipoo_2 (B1), Kimbrough_2 (B1), KingTut_2 (B1), KingVeVeVe_2 (B1), KlimbOn_2 (B1), Kloppinator_2 (B1), Kwadwo_2 (B1), Kwksand96_2 (B1), Labeouficaum_2 (B1), LasagnaCat_2 (B1), Lasso_2 (B1), LeeLot_2 (B1), Lego3393_2 (B1), Legolas_2 (B1), LeiMonet_2 (B1), LemonSlice_2 (B1), Longacauda_2 (B1), Lopsy_2 (B1), LostAndPhound_2 (B1), LuckyMarjie_2 (B1), Lulumae_2 (B1), Lulwa_2 (B1), Lumine_2 (B1), MRabcd_2 (B1), Mag7_2 (B1), Magic8_2 (B1), Mana_2 (B1), Manad_2 (B1), Maru_2 (B1), Maskar_2 (B1), Matalotodo_2 (B1), Mcshane_2 (B1), Mecca_2 (B1), Megamind20_2 (B1), Megatron_2 (B1), Melc17_2 (B1), MelsMeow_2 (B1), Mesh1_2 (B1), Mesmerelda_2 (B1), MichaelPhcott_2 (B1), Mikota_2 (B1), MiniBoss_2 (B1), MitKao_2 (B1), Morgushi_2 (B1), Morty_2 (B1), Mosaic_2 (B1), MrPhizzler_2 (B1), Mulan_2 (B1), Murdoc_2 (B1), Mutante_2 (B1), Nacho_002 (B1), Nathan_2 (B1), Newman_2 (B1), Nicole21_2 (B1), Numberten_2 (B1), Nyala_2 (B1), OSmaximus_2 (B1), Olak_2 (B1), Oline_2 (B1), Olive_2 (B1), OliverWalter_2 (B1), Omniscient_2 (B1), Oosterbaan_2 (B1), Orfeu_2 (B1), Orion_2 (B1), Orwigg_2 (B1), PG1_2 (B1), Pacifista_2 (B1), Phamished_2 (B1), Phareon_2 (B1), PhatCats2014_2 (B1), PhatLouie_2 (B1), PhenghisKhan_2 (B1), Pherdinand_2 (B1), Phergie_2 (B1), Phipps_2 (B1), Phleuron_2 (B1), PhrankReynolds_2 (B1), PhrodoBaggins_2 (B1), Phunky_2 (B1), Piglet_002 (B1), PinheadLarry_2 (B1), Pinkman_2 (B1), Pipsqueak_2 (B1), Placalicious_2 (B1), Plata_2 (B1), Plmatters_2 (B1), Podrick_2 (B1), Pops_2 (B1), Potter_2 (B1), Prickles_2 (B1), ProfessorX_2 (B1), Puhltonio_2 (B1), QueenBeane_2 (B1), Quisquiliae_2 (B1), RedMaple_2 (B1), Ricotta_2 (B1), Riggan_2 (B1), Rimu_2 (B1), Riverton_2 (B1), Robyn_2 (B1), Roliet_2 (B1), Roscoe_3 (B1), Roy17_2 (B1), SDcharge11_2 (B1), Samaymay_2 (B1), SassyCat97_2 (B1), Schadenfreude_2 (B1), Schueller_2 (B1), Scoot17C_2 (B1), Scrick_2 (B1), Selr12_2 (B1), Serendipity_2 (B1), Serpentine_002 (B1), Sheila_2 (B1), ShiVal_2 (B1), Sigman_2 (B1), SilverBell_2 (B1), Simielle_2 (B1), SirBeauregard_2 (B1), Skippy_2 (B1), Slatt_2 (B1), Soile_2 (B1), Solosis_2 (B1), Sophia_2 (B1), Soto_2 (B1), Spartan300_2 (B1), Squid_2 (B1), Squiggle_2 (B1), Struggle_2 (B1), Suffolk_2 (B1), Surely_2 (B1), Swiphy_2 (B1), Swish_2 (B1), TallGrassMM_2 (B1), Telesworld_2 (B1), Thora_2 (B1), ThreeOh3D2_2 (B1), Thunderbird_2 (B1), Timmi_2 (B1), TomBombadil_2 (B1), Tomlarah_2 (B1), Toni_2 (B1), TooFast2Furius_3 (B1), Tooj_2 (B1), True_2 (B1), Trypo_2 (B1), TyrionL_2 (B1), UAch1_2 (B1), UncleHowie_2 (B1), Usavi_2 (B1), Vaishali24_2 (B1), Valjean_2 (B1), Vaticameos_2 (B1), Veritas_2 (B1), Virapocalypse_2 (B1), Virgeve_2 (B1), Vista_2 (B1), Vivaldi_2 (B1), Vortex_2 (B1), Wallhey_2 (B1), Waterdiva_2 (B1), Weher20_2 (B1), Windsor_2 (B1), Xavier_2 (B1), Yoshand_2 (B1), YouGoGlencoco_2 (B1), Zaider_3 (B1), Zelda_2 (B1), Zonia_2 (B1),

Start 57:
• Found in 19 of 582 (3.3%) of genes in pham
• Manual Annotations of this start: 10 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acadian_6 (B5), Baee_6 (B5), DigitDog_6 (B5), Donny_6 (B5), EastView9101_6 (B5), KarasumaRum_6 (B5), LilMcDreamy_6 (B12), Mysterious_6 (B5), Nangang_6 (B5), Nehemiah_5 (B5), Phelemich_6 (B5), Reprobate_6 (B5), Rich_6 (B5), Rita130_6 (B5), Serendipitous_6 (B5), Shenyu_6 (B5), SirJeffery_6 (B5), StinkyVeggy_6 (B5), Suigeneris_6 (B5),

Start 58:
• Found in 1 of 582 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleMunchkin_6 (DR),

Start 59:
• Found in 1 of 582 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PenguinLover67_8 (B9),

Start 60:
• Found in 1 of 582 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BobRoss2024_4 (DR),

Start 61:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Indlovu_6 (B11), Saguaro_8 (B7),

Start 62:
• Found in 1 of 582 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pine5_01 (singleton),

Start 66:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Coldpizza_6 (DR), Evaa_6 (DR),

Start 70:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Causa_11 (AI), StAugustine_10 (AI),

Start 71:
• Found in 38 of 582 (6.5%) of genes in pham
• Manual Annotations of this start: 6 of 493
• Called 15.8% of time when present
• Phage (with cluster) where this start called: Ares_7 (B2), Brownie5_7 (B2), Laurie_7 (B2), Qyrzula_7 (B2), TA17A_7 (B2), Tinciduntsolum_8 (B2),

Start 72:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 493

• Called 100.0% of time when present
• Phage (with cluster) where this start called: AksarBAT_4 (DR), NHagos_4 (DR),

Start 73:
• Found in 38 of 582 (6.5%) of genes in pham
• Manual Annotations of this start: 28 of 493
• Called 84.2% of time when present
• Phage (with cluster) where this start called: Allegro_7 (B2), Arbiter_7 (B2), Bananafish_7 (B2), Blocker23_7 (B2), Boyle_7 (B2), Calamitous_7 (B2), Coffee_7 (B2), Eaglehorse_7 (B2), Faze9_7 (B2), FrenchFry_7 (B2), Glass_7 (B2), Godines_7 (B2), Hedgerow_7 (B2), Holeinone_7 (B2), ItsyBitsy1_7 (B2), Kaleb_7 (B2), Kheth_7 (B2), Kolhan_7 (B2), Lars_7 (B2), Lephleur_7 (B2), LilSmirk_7 (B2), LizLemon_7 (B2), MasterPo_7 (B2), Opia_7 (B2), Phantasmagoria_7 (B2), PrinceCharming_7 (B2), Rhinoforte_7 (B2), Rosebush_7 (B2), Sabella_7 (B2), Tres_7 (B2), Vic9_00007 (B2), West99_7 (B2),

Start 78:
• Found in 8 of 582 (1.4%) of genes in pham
• Manual Annotations of this start: 8 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Argie_2 (W), Cepens_2 (W), D12_02 (W), GodPhather_2 (W), Jeon_2 (W), Megabear_2 (W), PR_02 (W), Taptic_2 (W),

Start 79:
• Found in 9 of 582 (1.5%) of genes in pham
• Manual Annotations of this start: 3 of 493
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Amo99_2 (CP), Clawz_2 (CP), ColdSoup_2 (CP), DonTron_2 (CP), Jollymon_2 (CP), KingstonB_2 (CP), Soos_2 (CP), Sting_2 (CP),

Start 80:
• Found in 4 of 582 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 493
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CherryCola_5 (DC1), Valary_5 (DC1),

Start 82:
• Found in 33 of 582 (5.7%) of genes in pham
• Manual Annotations of this start: 27 of 493
• Called 93.9% of time when present
• Phage (with cluster) where this start called: Arri_5 (DC1), Bakery_6 (DC1), Barb_5 (DC1), ClamChowder_5 (DC1), CoveyB_5 (DC1), Danyall_5 (DC1), Egi03_5 (DC1), Evamon_5 (DC1), Fireball_5 (DC1), Fugax_5 (DC1), Gezellig_5 (DC1), Halo3_5 (DC1), Jambalaya_5 (DC1), KimmyK_5 (DC1), Lilbeanie_2 (DE5), Mutzi_5 (DC1), Nubi_5 (DC1), Phlop_5 (DC1), PinkCoffee_5 (DC1), Portcullis_5 (DC1), PullumCavea_5 (DC1), RogerDodger_5 (DC1), Salvador_5 (DC1), Savbucketdawg_5 (DC1), Shinji_5 (DC1), SmokingBunny_5 (DC1), TillyBobJoe_5 (DC1), Togo_5 (DC1), Twister6_5 (DC1), VanDeWege_5 (DC1), Wizard_5 (DC1),

Start 83:
• Found in 16 of 582 (2.7%) of genes in pham
• Manual Annotations of this start: 1 of 493

• Called 6.2% of time when present
• Phage (with cluster) where this start called: Tonitrus_13 (singleton),

Start 84:
• Found in 8 of 582 (1.4%) of genes in pham
• Manual Annotations of this start: 7 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chickadee_2 (DE3), Dexdert_2 (DE3), EdmundFerry_2 (DE3), GTE6_2 (DE3), Kwekel_2 (DE3), RoadKill_2 (DE3), Tiamoceli_2 (DE3), Twonlo_2 (DE3),

Start 85:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tardus_2 (DE4), Zitch_1 (DE4),

Start 88:
• Found in 8 of 582 (1.4%) of genes in pham
• Manual Annotations of this start: 7 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belphegor_2 (DE), EMoore_2 (DE2), Hans_2 (DE2), Inspectinfecti_2 (DE2), Leonard_2 (DE2), MelBins_2 (DE2), Phauci_2 (DE2), Phinally_2 (DE2),

Start 89:
• Found in 1 of 582 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TPA2_09 (singleton),

Start 91:
• Found in 44 of 582 (7.6%) of genes in pham
• Manual Annotations of this start: 34 of 493
• Called 95.5% of time when present
• Phage (with cluster) where this start called: Ailee_2 (DE1), Ashertheman_2 (DE1), Baddon_2 (DE1), Barsten_2 (DE1), Baumdotcom_2 (DE1), Bibwit_2 (DE1), Bizzy_2 (DE1), Brandonk123_2 (DE1), ChadMasterC_2 (DE1), Derg_2 (DE1), Fitzgerald_2 (DE1), Flatwoods_2 (DE1), FuegoCuervo_2 (DE1), Gaea_2 (DE1), Galadriel_2 (DE1), Geodirt_2 (DE1), Gustavo_2 (DE1), JKSyngboy_2 (DE1), Jabberwocky_2 (DE1), Kamashten_2 (DE1), Kewpiedoll_2 (DE1), Kroos_2 (DE1), Kwobi_2 (DE1), Lennon_2 (DE1), LilHam_2 (DE1), Love_2 (DE1), McKinley_2 (DE1), MoontowerMania_2 (DE1), Paries_2 (DE1), Ribeye_2 (DE1), RiverRaider_2 (DE1), Sanjuju_2 (DE1), Saronaya_2 (DE1), SchottB_2 (DE1), Shivanishola_2 (DE1), Sitar_2 (DE1), StorminNorm_2 (DE1), Stultus_2 (DE1), Tangerine_2 (DE1), Thing3_2 (DE1), Tycho_2 (DE1), YorkOnyx_2 (DE1),

Start 95:
• Found in 4 of 582 (0.7%) of genes in pham
• Manual Annotations of this start: 4 of 493
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dori_3 (AD), Mao1_2 (AD), Mask_2 (AD), Sejanus_2 (AD),

Start 102:
• Found in 366 of 582 (62.9%) of genes in pham
• No Manual Annotations of this start.
• Called 0.3% of time when present
• Phage (with cluster) where this start called: pZL12_67c (singleton),

Summary by clusters:

There are 26 clusters represented in this pham: singleton, DE, B12, B13, B10, B11, DR, AD, AI, W, CP, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:
•Start number 95 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AI:
•Start number 70 was manually annotated 1 time for cluster AI.

Info for manual annotations of cluster B1:
•Start number 56 was manually annotated 267 times for cluster B1.

Info for manual annotations of cluster B10:
•Start number 32 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 61 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 57 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 47 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 71 was manually annotated 6 times for cluster B2.
•Start number 73 was manually annotated 28 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 38 was manually annotated 4 times for cluster B3.
•Start number 45 was manually annotated 27 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 43 was manually annotated 1 time for cluster B4.
•Start number 46 was manually annotated 1 time for cluster B4.
•Start number 48 was manually annotated 21 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 57 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 48 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:
•Start number 61 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 43 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 37 was manually annotated 1 time for cluster B9.
•Start number 44 was manually annotated 2 times for cluster B9.
•Start number 50 was manually annotated 2 times for cluster B9.
•Start number 59 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster CP:
•Start number 79 was manually annotated 3 times for cluster CP.

Info for manual annotations of cluster DC1:
•Start number 80 was manually annotated 1 time for cluster DC1.
•Start number 82 was manually annotated 26 times for cluster DC1.

Info for manual annotations of cluster DE1:
•Start number 91 was manually annotated 34 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 88 was manually annotated 7 times for cluster DE2.

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

Info for manual annotations of cluster DE4:
•Start number 85 was manually annotated 2 times for cluster DE4.

Info for manual annotations of cluster DE5:
•Start number 82 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DR:
•Start number 46 was manually annotated 1 time for cluster DR.
•Start number 49 was manually annotated 9 times for cluster DR.
•Start number 55 was manually annotated 6 times for cluster DR.
•Start number 58 was manually annotated 1 time for cluster DR.
•Start number 66 was manually annotated 1 time for cluster DR.
•Start number 72 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster W:
•Start number 78 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_04 Start: 2384, Stop: 4144, Start Num: 48
Candidate Starts for 39HC_04:

(Start: 48 @2384 has 22 MA's), (99, 2543), (102, 2549), (122, 2645), (129, 2690), (138, 2729), (143, 2765), (162, 2858), (168, 2891), (175, 2918), (182, 2999), (183, 3002), (189, 3050), (194, 3077), (195, 3080), (198, 3113), (200, 3134), (204, 3167), (229, 3332), (239, 3377), (259, 3491), (263, 3506), (266, 3515), (272, 3575), (274, 3581), (285, 3650), (293, 3686), (296, 3695), (301, 3731), (310, 3770), (317, 3806), (328, 3848), (336, 3881), (348, 3935), (353, 3953), (370, 4019), (384, 4061), (401, 4115),

Gene: 40BC_04 Start: 2384, Stop: 4144, Start Num: 48
Candidate Starts for 40BC_04:
(Start: 48 @2384 has 22 MA's), (99, 2543), (102, 2549), (122, 2645), (129, 2690), (138, 2729), (143, 2765), (162, 2858), (168, 2891), (175, 2918), (182, 2999), (183, 3002), (189, 3050), (194, 3077), (195, 3080), (198, 3113), (200, 3134), (204, 3167), (229, 3332), (239, 3377), (259, 3491), (263, 3506), (266, 3515), (272, 3575), (274, 3581), (285, 3650), (293, 3686), (296, 3695), (301, 3731), (310, 3770), (317, 3806), (328, 3848), (336, 3881), (348, 3935), (353, 3953), (370, 4019), (384, 4061), (401, 4115),

Gene: ABU_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for ABU_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Abinghost_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Abinghost_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (296, 4028), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (365, 4334), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: AbsoluteMadLad_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for AbsoluteMadLad_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Acadian_6 Start: 3581, Stop: 5347, Start Num: 57
Candidate Starts for Acadian_6:
(16, 3347), (17, 3356), (19, 3368), (28, 3440), (42, 3545), (Start: 57 @3581 has 10 MA's), (65, 3602), (68, 3608), (97, 3722), (102, 3731), (138, 3908), (163, 4046), (164, 4049), (168, 4073), (171, 4085), (175, 4100), (194, 4259), (195, 4262), (201, 4319), (202, 4322), (203, 4331), (209, 4385), (211, 4397), (229, 4514), (233, 4535), (255, 4679), (292, 4871), (296, 4892), (306, 4952), (309, 4964), (314, 4991), (320, 5018), (336, 5078), (343, 5108), (347, 5129), (351, 5144), (353, 5150), (365, 5204), (384, 5258),

Gene: Adriana_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Adriana_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380,

2238), (384, 2250), (401, 2328),

Gene: Aelin_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Aelin_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Ahwei_4 Start: 2364, Stop: 4109, Start Num: 43
Candidate Starts for Ahwei_4:
(Start: 43 @2364 has 2 MA's), (76, 2424), (102, 2514), (113, 2553), (114, 2583), (119, 2595), (125, 2631), (129, 2655), (137, 2688), (138, 2694), (143, 2730), (159, 2811), (175, 2886), (180, 2946), (186, 3003), (194, 3045), (195, 3048), (200, 3102), (209, 3171), (211, 3183), (213, 3201), (229, 3300), (230, 3303), (242, 3360), (255, 3450), (263, 3474), (266, 3483), (272, 3543), (282, 3597), (287, 3630), (293, 3660), (296, 3669), (299, 3699), (301, 3705), (302, 3708), (317, 3780), (336, 3855), (348, 3909), (353, 3927), (362, 3957), (376, 4014), (378, 4020), (384, 4035), (401, 4086),

Gene: Ailee_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Ailee_2:
(Start: 91 @514 has 34 MA's), (93, 520), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (165, 877), (187, 1006), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (266, 1513), (281, 1606), (286, 1657), (297, 1723), (300, 1732), (321, 1804), (324, 1813), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996), (397, 2086),

Gene: Akoma_6 Start: 2696, Stop: 4474, Start Num: 38
Candidate Starts for Akoma_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (296, 4028), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (365, 4334), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: AksarBAT_4 Start: 2460, Stop: 4139, Start Num: 72
Candidate Starts for AksarBAT_4:
(Start: 72 @2460 has 1 MA's), (Start: 91 @2529 has 34 MA's), (123, 2664), (124, 2676), (128, 2697), (136, 2733), (137, 2736), (138, 2742), (141, 2769), (143, 2778), (173, 2928), (183, 3018), (198, 3129), (199, 3141), (200, 3150), (202, 3156), (222, 3288), (228, 3342), (229, 3348), (246, 3438), (279, 3612), (280, 3615), (296, 3711), (301, 3747), (308, 3777), (347, 3939), (353, 3960), (359, 3981), (376, 4047), (384, 4068), (385, 4074),

Gene: Allegro_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Allegro_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: AltPhacts_2 Start: 564, Stop: 2351, Start Num: 56

Candidate Starts for AltPhacts_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Altwerkus_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Altwerkus_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Amo99_2 Start: 1099, Stop: 2844, Start Num: 79
Candidate Starts for Amo99_2:
(69, 1063), (Start: 79 @1099 has 3 MA's), (Start: 83 @1108 has 1 MA's), (86, 1111), (92, 1138), (101, 1171), (135, 1336), (136, 1339), (138, 1348), (142, 1378), (169, 1516), (173, 1534), (191, 1678), (194, 1699), (198, 1735), (204, 1789), (221, 1894), (229, 1960), (230, 1963), (244, 2026), (247, 2050), (267, 2140), (279, 2218), (280, 2221), (283, 2248), (287, 2278), (292, 2296), (301, 2353), (315, 2419), (350, 2566), (385, 2689), (387, 2701), (391, 2722), (396, 2746), (402, 2773), (405, 2809), (407, 2821), (408, 2824),

Gene: AnClar_4 Start: 2946, Stop: 4685, Start Num: 49
Candidate Starts for AnClar_4:
(Start: 49 @2946 has 9 MA's), (105, 3123), (118, 3192), (136, 3279), (138, 3288), (143, 3324), (147, 3336), (180, 3540), (199, 3687), (202, 3702), (222, 3834), (229, 3894), (238, 3936), (248, 4014), (258, 4053), (263, 4065), (267, 4077), (280, 4158), (282, 4182), (287, 4215), (301, 4290), (305, 4308), (343, 4461), (351, 4497), (353, 4503), (361, 4530), (365, 4557), (368, 4566), (385, 4617),

Gene: AnarQue_6 Start: 3931, Stop: 5652, Start Num: 55
Candidate Starts for AnarQue_6:
(31, 3829), (Start: 55 @3931 has 6 MA's), (63, 3949), (Start: 83 @4012 has 1 MA's), (105, 4090), (121, 4168), (124, 4189), (136, 4246), (138, 4255), (141, 4282), (143, 4291), (147, 4303), (160, 4381), (180, 4507), (185, 4555), (198, 4642), (199, 4654), (200, 4663), (202, 4669), (205, 4699), (215, 4771), (222, 4801), (229, 4861), (296, 5224), (301, 5260), (311, 5311), (322, 5353), (336, 5401), (358, 5491), (365, 5527), (393, 5614), (401, 5632),

Gene: Anderson_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Anderson_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Andre_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Andre_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380,

2238), (384, 2250), (401, 2328),

Gene: AngelCake_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for AngelCake_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Antihero_4 Start: 2364, Stop: 4109, Start Num: 43
Candidate Starts for Antihero_4:
(Start: 43 @2364 has 2 MA's), (76, 2424), (102, 2514), (113, 2553), (114, 2583), (119, 2595), (125, 2631), (129, 2655), (137, 2688), (138, 2694), (143, 2730), (159, 2811), (175, 2886), (180, 2946), (186, 3003), (194, 3045), (195, 3048), (200, 3102), (209, 3171), (211, 3183), (213, 3201), (229, 3300), (230, 3303), (242, 3360), (255, 3450), (263, 3474), (266, 3483), (272, 3543), (282, 3597), (287, 3630), (293, 3660), (296, 3669), (299, 3699), (301, 3705), (302, 3708), (317, 3780), (336, 3855), (348, 3909), (353, 3927), (362, 3957), (376, 4014), (378, 4020), (384, 4035), (401, 4086),

Gene: Antonia_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Antonia_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Apex_5 Start: 3455, Stop: 5206, Start Num: 48
Candidate Starts for Apex_5:
(Start: 48 @3455 has 22 MA's), (76, 3515), (102, 3605), (113, 3644), (114, 3674), (119, 3686), (125, 3722), (129, 3746), (137, 3779), (138, 3785), (147, 3833), (159, 3902), (175, 3977), (180, 4037), (186, 4094), (194, 4136), (195, 4139), (198, 4172), (200, 4193), (211, 4274), (229, 4391), (255, 4541), (263, 4565), (266, 4574), (267, 4577), (271, 4625), (279, 4661), (282, 4688), (287, 4721), (293, 4751), (296, 4760), (299, 4790), (301, 4796), (302, 4799), (336, 4946), (348, 5000), (353, 5018), (362, 5048), (365, 5072), (371, 5090), (376, 5105), (378, 5111), (384, 5126), (401, 5177),

Gene: Apizium_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Apizium_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Arbiter_7 Start: 4320, Stop: 6014, Start Num: 73
Candidate Starts for Arbiter_7:
(Start: 71 @4314 has 6 MA's), (Start: 73 @4320 has 28 MA's), (118, 4500), (133, 4581), (141, 4632), (143, 4641), (148, 4662), (168, 4770), (171, 4782), (194, 4956), (198, 4992), (199, 5004), (200, 5013), (211, 5094), (229, 5211), (230, 5214), (245, 5289), (248, 5325), (263, 5382), (283, 5502), (287, 5532), (292, 5550), (296, 5571), (299, 5601), (301, 5607), (310, 5646), (317, 5682), (324, 5709), (336, 5751), (348, 5805), (353, 5823), (365, 5877), (387, 5949),

Gene: Ares_7 Start: 4224, Stop: 5924, Start Num: 71

Candidate Starts for Ares_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Argie_2 Start: 348, Stop: 1952, Start Num: 78
Candidate Starts for Argie_2:
(Start: 78 @348 has 8 MA's), (101, 426), (103, 429), (105, 438), (136, 594), (138, 603), (146, 648), (153, 687), (154, 690), (182, 876), (194, 954), (197, 978), (198, 990), (223, 1158), (226, 1176), (242, 1263), (244, 1275), (248, 1323), (251, 1335), (256, 1359), (263, 1380), (266, 1389), (267, 1392), (268, 1398), (279, 1470), (281, 1476), (283, 1500), (287, 1530), (290, 1542), (301, 1605), (313, 1656), (330, 1719), (333, 1731), (357, 1824), (360, 1833), (362, 1839), (372, 1884), (385, 1923), (386, 1932), (388, 1944), (389, 1947),

Gene: Arri_5 Start: 1770, Stop: 3377, Start Num: 82
Candidate Starts for Arri_5:
(39, 1671), (Start: 82 @1770 has 27 MA's), (94, 1818), (136, 2016), (142, 2055), (150, 2088), (156, 2127), (157, 2133), (167, 2175), (182, 2256), (187, 2298), (190, 2310), (200, 2391), (205, 2427), (208, 2436), (223, 2541), (245, 2700), (247, 2712), (266, 2799), (277, 2865), (283, 2907), (296, 2976), (297, 3000), (318, 3069), (320, 3078), (324, 3090), (346, 3180), (354, 3207), (363, 3243), (364, 3255), (373, 3285), (381, 3303),

Gene: Ashertheman_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Ashertheman_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: Ashraf_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Ashraf_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Audrey_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Audrey_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (365, 4334), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Austelle_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for Austelle_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (147, 3836), (159, 3905), (175, 3980), (180, 4040), (186,

4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (229, 4394), (242, 4454), (255, 4544), (263, 4568), (266, 4577), (272, 4637), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: Axumite_4 Start: 2439, Stop: 4172, Start Num: 49
Candidate Starts for Axumite_4:
(Start: 49 @2439 has 9 MA's), (90, 2550), (105, 2607), (118, 2676), (120, 2679), (136, 2763), (138, 2772), (143, 2808), (147, 2820), (199, 3171), (202, 3186), (229, 3378), (238, 3420), (248, 3498), (263, 3552), (266, 3561), (272, 3621), (279, 3642), (280, 3645), (287, 3702), (301, 3777), (348, 3972), (351, 3984), (353, 3990), (356, 3996), (358, 4008), (361, 4017), (368, 4053), (393, 4131), (401, 4149),

Gene: Baddon_2 Start: 509, Stop: 2101, Start Num: 91
Candidate Starts for Baddon_2:
(Start: 91 @509 has 34 MA's), (93, 515), (98, 542), (114, 617), (122, 647), (125, 668), (136, 719), (142, 758), (143, 764), (165, 872), (172, 908), (187, 1001), (198, 1073), (200, 1094), (205, 1130), (208, 1139), (220, 1223), (223, 1244), (224, 1259), (241, 1376), (245, 1403), (247, 1415), (266, 1508), (281, 1601), (286, 1652), (295, 1691), (297, 1718), (300, 1727), (321, 1799), (324, 1808), (327, 1820), (329, 1829), (338, 1859), (342, 1874), (364, 1973), (381, 2021),

Gene: Badfish_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Badfish_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Baee_6 Start: 3587, Stop: 5353, Start Num: 57
Candidate Starts for Baee_6:
(16, 3353), (17, 3362), (19, 3374), (28, 3446), (42, 3551), (Start: 57 @3587 has 10 MA's), (68, 3614), (97, 3728), (102, 3737), (138, 3914), (164, 4055), (171, 4091), (173, 4100), (194, 4265), (195, 4268), (201, 4325), (202, 4328), (203, 4337), (209, 4391), (211, 4403), (229, 4520), (233, 4541), (255, 4685), (292, 4877), (296, 4898), (306, 4958), (309, 4970), (314, 4997), (320, 5024), (336, 5084), (343, 5114), (347, 5135), (351, 5150), (353, 5156), (365, 5210), (384, 5264), (385, 5270),

Gene: Bakery_6 Start: 1904, Stop: 3508, Start Num: 82
Candidate Starts for Bakery_6:
(2, 1301), (7, 1373), (10, 1457), (14, 1526), (Start: 82 @1904 has 27 MA's), (94, 1952), (122, 2075), (136, 2147), (145, 2198), (150, 2219), (152, 2237), (167, 2306), (182, 2387), (184, 2402), (187, 2429), (193, 2456), (197, 2489), (200, 2522), (205, 2558), (208, 2567), (277, 2996), (283, 3038), (289, 3074), (296, 3107), (297, 3131), (318, 3200), (320, 3209), (324, 3221), (354, 3338), (363, 3374), (364, 3386), (381, 3434),

Gene: Baloo_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Baloo_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Bananafish_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Bananafish_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Banjo_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Banjo_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Barb_5 Start: 1791, Stop: 3395, Start Num: 82
Candidate Starts for Barb_5:
(Start: 82 @1791 has 27 MA's), (94, 1839), (122, 1962), (136, 2034), (145, 2085), (150, 2106), (152, 2124), (167, 2193), (182, 2274), (184, 2289), (187, 2316), (193, 2343), (197, 2376), (200, 2409), (205, 2445), (208, 2454), (249, 2757), (277, 2883), (283, 2925), (289, 2961), (296, 2994), (297, 3018), (318, 3087), (320, 3096), (324, 3108), (354, 3225), (363, 3261), (364, 3273), (381, 3321),

Gene: Barsten_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Barsten_2:
(Start: 91 @514 has 34 MA's), (93, 520), (114, 622), (122, 652), (125, 673), (130, 700), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (162, 865), (165, 877), (187, 1006), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (262, 1501), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (346, 1903), (364, 1978), (370, 1996), (381, 2026), (397, 2086),

Gene: Basato_3 Start: 797, Stop: 2584, Start Num: 56
Candidate Starts for Basato_3:
(Start: 56 @797 has 267 MA's), (102, 956), (113, 995), (129, 1097), (138, 1136), (143, 1172), (162, 1268), (168, 1301), (180, 1388), (183, 1412), (186, 1445), (189, 1460), (194, 1487), (195, 1490), (200, 1544), (206, 1583), (211, 1625), (229, 1742), (230, 1745), (266, 1928), (272, 1988), (280, 2021), (293, 2108), (302, 2156), (336, 2303), (341, 2321), (365, 2429), (371, 2447), (380, 2471), (384, 2483), (401, 2561),

Gene: BatteryCK_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for BatteryCK_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Baumdotcom_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Baumdotcom_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (142, 761), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (207, 1139), (208, 1142), (220, 1226), (223, 1247), (224, 1262), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730),

(321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976),

Gene: Beaglebox_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Beaglebox_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Belphegor_2 Start: 531, Stop: 2186, Start Num: 88
Candidate Starts for Belphegor_2:
(Start: 88 @531 has 7 MA's), (114, 654), (116, 660), (125, 705), (129, 729), (135, 753), (136, 756), (137, 759), (142, 795), (150, 828), (154, 852), (162, 897), (182, 996), (187, 1038), (200, 1131), (205, 1167), (208, 1176), (220, 1260), (223, 1281), (225, 1305), (241, 1443), (245, 1470), (282, 1689), (284, 1701), (286, 1719), (297, 1785), (303, 1803), (306, 1821), (318, 1875), (320, 1884), (321, 1887), (329, 1917), (338, 1947), (364, 2061), (370, 2079), (373, 2091), (381, 2109), (394, 2160),

Gene: Ben11_5 Start: 2562, Stop: 4322, Start Num: 45
Candidate Starts for Ben11_5:
(3, 2088), (6, 2121), (8, 2187), (15, 2283), (Start: 38 @2544 has 4 MA's), (Start: 45 @2562 has 27 MA's), (53, 2580), (81, 2661), (129, 2874), (137, 2904), (138, 2910), (141, 2937), (151, 2973), (166, 3057), (182, 3183), (194, 3261), (200, 3318), (204, 3351), (207, 3360), (209, 3387), (223, 3465), (229, 3519), (250, 3639), (254, 3660), (272, 3756), (283, 3807), (287, 3837), (288, 3840), (301, 3912), (317, 3987), (324, 4014), (326, 4023), (341, 4074), (347, 4107), (351, 4122), (356, 4134), (370, 4194), (383, 4233), (384, 4236), (401, 4287),

Gene: Bernardo_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Bernardo_6:
(Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (365, 4334), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Bibwit_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Bibwit_2:
(Start: 91 @514 has 34 MA's), (93, 520), (122, 652), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996), (381, 2026), (397, 2086),

Gene: BiggityBass_4 Start: 2457, Stop: 4196, Start Num: 49
Candidate Starts for BiggityBass_4:
(Start: 49 @2457 has 9 MA's), (105, 2634), (118, 2703), (136, 2790), (138, 2799), (143, 2835), (147, 2847), (199, 3198), (202, 3213), (222, 3345), (229, 3405), (238, 3447), (248, 3525), (258, 3564), (263, 3576), (267, 3588), (280, 3669), (287, 3726), (301, 3801), (343, 3972), (351, 4008), (361, 4041), (365, 4068), (368, 4077), (385, 4128),

Gene: BirdsNest_8 Start: 2005, Stop: 3777, Start Num: 47
Candidate Starts for BirdsNest_8:

(Start: 47 @2005 has 3 MA's), (97, 2161), (102, 2170), (113, 2209), (129, 2311), (138, 2350), (176, 2551), (179, 2593), (186, 2659), (206, 2797), (209, 2827), (211, 2839), (229, 2956), (266, 3139), (272, 3199), (276, 3211), (293, 3319), (310, 3403), (336, 3514), (348, 3568), (365, 3640), (376, 3673), (380, 3682), (384, 3694), (401, 3757),

Gene: Bishoperium_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Bishoperium_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (214, 1413), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Bizzy_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Bizzy_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (207, 1139), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: BlackStallion_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for BlackStallion_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Blocker23_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for Blocker23_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (113, 4485), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: BlueHusk_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for BlueHusk_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (299, 1914), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Bluephacebaby_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Bluephacebaby_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: BobRoss2024_4 Start: 2454, Stop: 4184, Start Num: 60
Candidate Starts for BobRoss2024_4:
(23, 2265), (60, 2454), (74, 2502), (105, 2613), (125, 2718), (136, 2769), (138, 2778), (143, 2814), (147, 2826), (180, 3030), (199, 3177), (200, 3186), (212, 3270), (222, 3324), (229, 3384), (246, 3471), (280, 3648), (296, 3744), (324, 3879), (347, 3981), (384, 4110), (385, 4116),

Gene: BobbyK_5 Start: 3455, Stop: 5203, Start Num: 48
Candidate Starts for BobbyK_5:
(Start: 48 @3455 has 22 MA's), (76, 3515), (102, 3605), (113, 3644), (114, 3674), (119, 3686), (125, 3722), (129, 3746), (137, 3779), (138, 3785), (143, 3821), (147, 3833), (159, 3902), (175, 3977), (180, 4037), (186, 4094), (194, 4136), (195, 4139), (200, 4193), (209, 4262), (211, 4274), (229, 4391), (242, 4451), (255, 4541), (263, 4565), (266, 4574), (279, 4661), (282, 4688), (293, 4751), (296, 4760), (299, 4790), (301, 4796), (302, 4799), (310, 4835), (317, 4871), (336, 4946), (353, 5018), (362, 5048), (365, 5072), (376, 5105), (378, 5111), (384, 5126), (401, 5177),

Gene: Boehler_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Boehler_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Boyle_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for Boyle_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Brandonk123_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Brandonk123_2:
(Start: 91 @514 has 34 MA's), (93, 520), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (165, 877), (187, 1006), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (260, 1489), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (300, 1732), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996), (381, 2026),

Gene: Brilliant_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Brilliant_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: BrownCNA_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for BrownCNA_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (143, 3824), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (211, 4277), (229, 4394), (230, 4397), (242, 4454), (263, 4568), (266, 4577), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299,

4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: Brownie5_7 Start: 4341, Stop: 6041, Start Num: 71
Candidate Starts for Brownie5_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Buckeye_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Buckeye_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Burr_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Burr_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: CRB2_8 Start: 4591, Stop: 6345, Start Num: 50
Candidate Starts for CRB2_8:
(Start: 50 @4591 has 2 MA's), (67, 4627), (74, 4648), (76, 4657), (81, 4675), (102, 4747), (109, 4774), (122, 4843), (129, 4888), (136, 4918), (138, 4927), (162, 5059), (168, 5092), (178, 5164), (180, 5179), (194, 5278), (195, 5281), (200, 5335), (204, 5368), (209, 5404), (211, 5416), (229, 5533), (258, 5689), (267, 5719), (272, 5776), (279, 5806), (287, 5866), (301, 5941), (310, 5980), (314, 6004), (336, 6091), (343, 6121), (348, 6145), (353, 6163), (365, 6217), (376, 6250), (401, 6325),

Gene: CaiB_6 Start: 3931, Stop: 5652, Start Num: 55
Candidate Starts for CaiB_6:
(31, 3829), (Start: 55 @3931 has 6 MA's), (63, 3949), (Start: 83 @4012 has 1 MA's), (105, 4090), (121, 4168), (124, 4189), (136, 4246), (138, 4255), (141, 4282), (143, 4291), (147, 4303), (160, 4381), (180, 4507), (185, 4555), (198, 4642), (199, 4654), (200, 4663), (202, 4669), (205, 4699), (215, 4771), (222, 4801), (229, 4861), (296, 5224), (301, 5260), (311, 5311), (322, 5353), (336, 5401), (358, 5491), (365, 5527), (393, 5614), (401, 5632),

Gene: Calamitous_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Calamitous_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: CamL_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for CamL_2:

(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: CampRoach_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for CampRoach_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Cannibal_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Cannibal_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Carthage_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Carthage_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Casbah_5 Start: 2562, Stop: 4322, Start Num: 45
Candidate Starts for Casbah_5:
(Start: 38 @2544 has 4 MA's), (Start: 45 @2562 has 27 MA's), (53, 2580), (81, 2661), (129, 2874), (137, 2904), (138, 2910), (141, 2937), (151, 2973), (166, 3057), (182, 3183), (194, 3261), (200, 3318), (204, 3351), (207, 3360), (209, 3387), (223, 3465), (229, 3519), (250, 3639), (254, 3660), (272, 3756), (283, 3807), (287, 3837), (288, 3840), (301, 3912), (317, 3987), (324, 4014), (326, 4023), (341, 4074), (347, 4107), (351, 4122), (356, 4134), (370, 4194), (383, 4233), (384, 4236), (401, 4287),

Gene: Caspiboi_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Caspiboi_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Causa_11 Start: 6101, Stop: 7822, Start Num: 70
Candidate Starts for Causa_11:
(Start: 70 @6101 has 1 MA's), (102, 6212), (136, 6380), (138, 6389), (162, 6521), (171, 6566), (180, 6641), (189, 6713), (194, 6740), (199, 6788), (223, 6944), (229, 6995), (256, 7133), (292, 7322), (296, 7343), (301, 7379), (310, 7418), (324, 7481), (376, 7688),

Gene: Cepens_2 Start: 348, Stop: 1952, Start Num: 78

Candidate Starts for Cepens_2:
(Start: 78 @348 has 8 MA's), (101, 426), (105, 438), (136, 594), (138, 603), (146, 648), (153, 687), (154, 690), (169, 771), (182, 876), (194, 954), (197, 978), (198, 990), (223, 1158), (226, 1176), (242, 1263), (244, 1275), (256, 1359), (263, 1380), (266, 1389), (267, 1392), (268, 1398), (273, 1452), (279, 1470), (281, 1476), (283, 1500), (287, 1530), (301, 1605), (313, 1656), (330, 1719), (357, 1824), (360, 1833), (362, 1839), (364, 1857), (379, 1902), (385, 1923), (386, 1932), (388, 1944), (389, 1947),

Gene: ChaChing_6 Start: 2714, Stop: 4471, Start Num: 45
Candidate Starts for ChaChing_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2810), (129, 3023), (137, 3053), (138, 3059), (141, 3086), (151, 3122), (166, 3206), (182, 3332), (194, 3410), (200, 3467), (204, 3500), (223, 3614), (229, 3668), (250, 3788), (254, 3809), (272, 3905), (283, 3956), (287, 3986), (288, 3989), (301, 4061), (317, 4136), (324, 4163), (326, 4172), (341, 4223), (347, 4256), (351, 4271), (356, 4283), (370, 4343), (383, 4382), (384, 4385), (401, 4436),

Gene: ChadMasterC_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for ChadMasterC_2:
(Start: 91 @514 has 34 MA's), (93, 520), (114, 622), (122, 652), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (284, 1639), (286, 1657), (297, 1723), (300, 1732), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996),

Gene: Chaelin_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Chaelin_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Chah_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Chah_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Charles1_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Charles1_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: CharlieGBrown_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for CharlieGBrown_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266,

1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: CharlottesWeb_4 Start: 2433, Stop: 4175, Start Num: 49
Candidate Starts for CharlottesWeb_4:
(33, 2358), (Start: 49 @2433 has 9 MA's), (87, 2544), (90, 2553), (105, 2610), (118, 2679), (120, 2682), (136, 2766), (138, 2775), (143, 2811), (147, 2823), (183, 3051), (199, 3174), (200, 3183), (202, 3189), (229, 3381), (248, 3501), (266, 3564), (279, 3645), (280, 3648), (299, 3774), (301, 3780), (326, 3888), (348, 3975), (351, 3987), (353, 3993), (356, 3999), (358, 4011), (361, 4020), (365, 4047), (368, 4056), (401, 4152),

Gene: CheetO_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for CheetO_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Chentzyk_5 Start: 2562, Stop: 4322, Start Num: 45
Candidate Starts for Chentzyk_5:
(3, 2088), (6, 2121), (8, 2187), (15, 2283), (Start: 38 @2544 has 4 MA's), (Start: 45 @2562 has 27 MA's), (53, 2580), (81, 2661), (129, 2874), (137, 2904), (138, 2910), (141, 2937), (151, 2973), (166, 3057), (182, 3183), (194, 3261), (200, 3318), (204, 3351), (207, 3360), (209, 3387), (223, 3465), (229, 3519), (250, 3639), (254, 3660), (272, 3756), (283, 3807), (287, 3837), (288, 3840), (301, 3912), (317, 3987), (324, 4014), (326, 4023), (341, 4074), (347, 4107), (351, 4122), (356, 4134), (370, 4194), (383, 4233), (384, 4236), (401, 4287),

Gene: Cher_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Cher_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: CherryCola_5 Start: 1809, Stop: 3422, Start Num: 80
Candidate Starts for CherryCola_5:
(1, 1137), (5, 1260), (9, 1365), (10, 1368), (14, 1437), (Start: 80 @1809 has 1 MA's), (Start: 82 @1815 has 27 MA's), (94, 1863), (136, 2061), (142, 2100), (150, 2133), (156, 2172), (157, 2178), (167, 2220), (182, 2301), (187, 2343), (190, 2355), (200, 2436), (208, 2481), (223, 2586), (245, 2745), (247, 2757), (266, 2844), (277, 2910), (283, 2952), (296, 3021), (297, 3045), (318, 3114), (320, 3123), (324, 3135), (346, 3225), (354, 3252), (363, 3288), (364, 3300), (373, 3330), (381, 3348),

Gene: Chickadee_2 Start: 558, Stop: 2156, Start Num: 84
Candidate Starts for Chickadee_2:
(Start: 84 @558 has 7 MA's), (108, 642), (116, 690), (122, 714), (125, 735), (129, 759), (136, 786), (142, 825), (150, 858), (152, 876), (154, 882), (164, 936), (165, 939), (182, 1026), (187, 1068), (196, 1122), (198, 1140), (200, 1161), (208, 1206), (217, 1278), (220, 1290), (223, 1311), (231, 1386), (241, 1443), (243, 1452), (245, 1470), (247, 1482), (266, 1569), (282, 1683), (289, 1722), (297, 1779), (320, 1857), (364, 2034), (370, 2052), (382, 2085),

Gene: Childish_2 Start: 564, Stop: 2351, Start Num: 56

Candidate Starts for Childish_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Chipette_3 Start: 797, Stop: 2584, Start Num: 56
Candidate Starts for Chipette_3:
(Start: 56 @797 has 267 MA's), (102, 956), (113, 995), (129, 1097), (138, 1136), (143, 1172), (162, 1268), (168, 1301), (180, 1388), (183, 1412), (186, 1445), (189, 1460), (194, 1487), (195, 1490), (200, 1544), (206, 1583), (211, 1625), (229, 1742), (230, 1745), (266, 1928), (272, 1988), (280, 2021), (293, 2108), (302, 2156), (336, 2303), (341, 2321), (365, 2429), (371, 2447), (380, 2471), (384, 2483), (401, 2561),

Gene: Chorkpop_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Chorkpop_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: ChrisnMich_4 Start: 2364, Stop: 4109, Start Num: 43
Candidate Starts for ChrisnMich_4:
(Start: 43 @2364 has 2 MA's), (76, 2424), (102, 2514), (113, 2553), (114, 2583), (119, 2595), (125, 2631), (129, 2655), (137, 2688), (138, 2694), (143, 2730), (147, 2742), (159, 2811), (175, 2886), (180, 2946), (186, 3003), (194, 3045), (195, 3048), (200, 3102), (209, 3171), (211, 3183), (229, 3300), (230, 3303), (242, 3360), (255, 3450), (266, 3483), (272, 3543), (282, 3597), (287, 3630), (293, 3660), (296, 3669), (299, 3699), (301, 3705), (302, 3708), (317, 3780), (336, 3855), (348, 3909), (353, 3927), (362, 3957), (365, 3981), (376, 4014), (378, 4020), (384, 4035), (401, 4086),

Gene: Chunky_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Chunky_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Chute_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Chute_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: ClamChowder_5 Start: 1791, Stop: 3395, Start Num: 82
Candidate Starts for ClamChowder_5:
(Start: 82 @1791 has 27 MA's), (94, 1839), (122, 1962), (136, 2034), (145, 2085), (150, 2106), (152, 2124), (167, 2193), (182, 2274), (184, 2289), (187, 2316), (193, 2343), (197, 2376), (200, 2409), (205, 2445), (208, 2454), (249, 2757), (277, 2883), (283, 2925), (289, 2961), (296, 2994), (297, 3018), (318,

3087), (320, 3096), (324, 3108), (354, 3225), (363, 3261), (364, 3273), (381, 3321),

Gene: Clawz_2 Start: 1099, Stop: 2844, Start Num: 79
Candidate Starts for Clawz_2:
(69, 1063), (Start: 79 @1099 has 3 MA's), (86, 1111), (92, 1138), (101, 1171), (135, 1336), (136, 1339), (138, 1348), (142, 1378), (161, 1477), (191, 1678), (194, 1699), (204, 1789), (221, 1894), (229, 1960), (242, 2014), (244, 2026), (247, 2050), (280, 2221), (283, 2248), (287, 2278), (292, 2296), (301, 2353), (315, 2419), (350, 2566), (367, 2635), (369, 2638), (374, 2653), (377, 2665), (385, 2689), (391, 2722), (396, 2746), (398, 2755), (402, 2773), (405, 2809), (406, 2818), (407, 2821), (409, 2836),

Gene: CloverMinnie_6 Start: 3931, Stop: 5652, Start Num: 55
Candidate Starts for CloverMinnie_6:
(31, 3829), (Start: 55 @3931 has 6 MA's), (63, 3949), (Start: 83 @4012 has 1 MA's), (105, 4090), (121, 4168), (124, 4189), (136, 4246), (138, 4255), (141, 4282), (143, 4291), (147, 4303), (160, 4381), (180, 4507), (185, 4555), (198, 4642), (199, 4654), (200, 4663), (202, 4669), (205, 4699), (206, 4702), (215, 4771), (222, 4801), (229, 4861), (296, 5224), (301, 5260), (311, 5311), (322, 5353), (336, 5401), (358, 5491), (365, 5527), (393, 5614), (401, 5632),

Gene: Cobra_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Cobra_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Coffee_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for Coffee_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Colbert_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Colbert_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: ColdSoup_2 Start: 1099, Stop: 2844, Start Num: 79
Candidate Starts for ColdSoup_2:
(69, 1063), (Start: 79 @1099 has 3 MA's), (Start: 83 @1108 has 1 MA's), (86, 1111), (92, 1138), (101, 1171), (135, 1336), (136, 1339), (138, 1348), (142, 1378), (169, 1516), (173, 1534), (191, 1678), (194, 1699), (198, 1735), (204, 1789), (221, 1894), (229, 1960), (230, 1963), (244, 2026), (247, 2050), (267, 2140), (279, 2218), (280, 2221), (283, 2248), (287, 2278), (292, 2296), (301, 2353), (315, 2419), (350, 2566), (385, 2689), (387, 2701), (391, 2722), (396, 2746), (402, 2773), (405, 2809), (407, 2821), (408, 2824),

Gene: Coldpizza_6 Start: 4474, Stop: 6183, Start Num: 66
Candidate Starts for Coldpizza_6:

(40, 4411), (Start: 55 @4447 has 6 MA's), (Start: 66 @4474 has 1 MA's), (129, 4741), (137, 4771), (138, 4777), (173, 4963), (182, 5050), (183, 5053), (194, 5128), (199, 5176), (248, 5497), (257, 5533), (261, 5545), (280, 5644), (296, 5740), (314, 5839), (321, 5869), (324, 5878), (334, 5920), (348, 5983), (365, 6055), (384, 6109),

Gene: Coletti_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Coletti_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Compostia_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Compostia_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (296, 4028), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (365, 4334), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Cooper_4 Start: 2380, Stop: 4131, Start Num: 48
Candidate Starts for Cooper_4:
(30, 2281), (Start: 46 @2374 has 2 MA's), (Start: 48 @2380 has 22 MA's), (76, 2440), (102, 2530), (113, 2569), (114, 2599), (119, 2611), (125, 2647), (129, 2671), (137, 2704), (138, 2710), (141, 2737), (159, 2827), (175, 2902), (180, 2962), (186, 3019), (194, 3061), (195, 3064), (200, 3118), (209, 3187), (211, 3199), (213, 3217), (229, 3316), (230, 3319), (242, 3376), (266, 3499), (271, 3550), (278, 3577), (279, 3586), (282, 3613), (287, 3646), (293, 3676), (296, 3685), (299, 3715), (301, 3721), (302, 3724), (317, 3796), (336, 3871), (348, 3925), (353, 3943), (362, 3973), (371, 4015), (376, 4030), (378, 4036), (384, 4051), (385, 4057), (401, 4102),

Gene: Cornbread_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Cornbread_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Cornobble_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Cornobble_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Corofin_6 Start: 2714, Stop: 4471, Start Num: 45
Candidate Starts for Corofin_6:
(Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2810), (129, 3023), (137, 3053), (138, 3059), (141, 3086), (151, 3122), (166, 3206), (182, 3332), (194, 3410), (200, 3467), (204, 3500), (223, 3614), (229, 3668), (250, 3788), (254, 3809), (272, 3905), (283, 3956), (287, 3986),

(288, 3989), (301, 4061), (317, 4136), (324, 4163), (326, 4172), (341, 4223), (347, 4256), (351, 4271), (356, 4283), (370, 4343), (383, 4382), (384, 4385), (401, 4436),

Gene: Cosmolli16_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Cosmolli16_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: CoveyB_5 Start: 1791, Stop: 3395, Start Num: 82
Candidate Starts for CoveyB_5:
(Start: 82 @1791 has 27 MA's), (94, 1839), (122, 1962), (136, 2034), (145, 2085), (150, 2106), (152, 2124), (167, 2193), (182, 2274), (184, 2289), (187, 2316), (193, 2343), (197, 2376), (200, 2409), (205, 2445), (208, 2454), (249, 2757), (276, 2877), (277, 2883), (283, 2925), (289, 2961), (296, 2994), (297, 3018), (318, 3087), (320, 3096), (324, 3108), (349, 3207), (354, 3225), (364, 3273), (373, 3303), (381, 3321),

Gene: Craff_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Craff_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Crownjwl_3 Start: 797, Stop: 2584, Start Num: 56
Candidate Starts for Crownjwl_3:
(Start: 56 @797 has 267 MA's), (102, 956), (113, 995), (129, 1097), (138, 1136), (143, 1172), (162, 1268), (168, 1301), (180, 1388), (183, 1412), (186, 1445), (189, 1460), (194, 1487), (195, 1490), (200, 1544), (206, 1583), (211, 1625), (229, 1742), (230, 1745), (266, 1928), (272, 1988), (280, 2021), (293, 2108), (302, 2156), (336, 2303), (341, 2321), (365, 2429), (371, 2447), (380, 2471), (384, 2483), (401, 2561),

Gene: D12_02 Start: 348, Stop: 1952, Start Num: 78
Candidate Starts for D12_02:
(Start: 78 @348 has 8 MA's), (101, 426), (105, 438), (136, 594), (138, 603), (146, 648), (153, 687), (154, 690), (169, 771), (182, 876), (194, 954), (197, 978), (198, 990), (223, 1158), (226, 1176), (242, 1263), (244, 1275), (256, 1359), (263, 1380), (266, 1389), (267, 1392), (268, 1398), (273, 1452), (279, 1470), (281, 1476), (283, 1500), (287, 1530), (301, 1605), (313, 1656), (330, 1719), (333, 1731), (357, 1824), (360, 1833), (362, 1839), (364, 1857), (379, 1902), (385, 1923), (386, 1932), (388, 1944), (389, 1947),

Gene: DaddyDaniels_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for DaddyDaniels_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Daffy_2 Start: 564, Stop: 2351, Start Num: 56

Candidate Starts for Daffy_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Daisy_6 Start: 2714, Stop: 4477, Start Num: 45
Candidate Starts for Daisy_6:
(Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2735), (81, 2816), (129, 3029), (137, 3059), (138, 3065), (141, 3092), (151, 3128), (166, 3212), (182, 3338), (194, 3416), (200, 3473), (204, 3506), (223, 3620), (229, 3674), (250, 3794), (254, 3815), (272, 3911), (283, 3962), (287, 3992), (288, 3995), (301, 4067), (317, 4142), (324, 4169), (326, 4178), (341, 4229), (347, 4262), (351, 4277), (356, 4289), (370, 4349), (383, 4388), (384, 4391), (401, 4442),

Gene: Daka_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Daka_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (299, 1914), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Danyall_5 Start: 1791, Stop: 3395, Start Num: 82
Candidate Starts for Danyall_5:
(Start: 82 @1791 has 27 MA's), (94, 1839), (122, 1962), (136, 2034), (145, 2085), (150, 2106), (152, 2124), (167, 2193), (182, 2274), (184, 2289), (187, 2316), (193, 2343), (197, 2376), (200, 2409), (205, 2445), (208, 2454), (249, 2757), (276, 2877), (277, 2883), (283, 2925), (289, 2961), (296, 2994), (297, 3018), (318, 3087), (320, 3096), (324, 3108), (349, 3207), (354, 3225), (364, 3273), (373, 3303), (381, 3321),

Gene: Dati_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Dati_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: DelRivs_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for DelRivs_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Derg_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Derg_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (207, 1139), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811),

(327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (370, 1994), (397, 2084),

Gene: Derpp_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Derpp_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Devonte_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Devonte_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (207, 3512), (209, 3539), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (365, 4334), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Dexdert_2 Start: 558, Stop: 2156, Start Num: 84
Candidate Starts for Dexdert_2:
(Start: 84 @558 has 7 MA's), (108, 642), (116, 690), (122, 714), (125, 735), (129, 759), (136, 786), (142, 825), (150, 858), (152, 876), (154, 882), (164, 936), (165, 939), (182, 1026), (187, 1068), (196, 1122), (198, 1140), (200, 1161), (208, 1206), (217, 1278), (220, 1290), (223, 1311), (231, 1386), (241, 1443), (243, 1452), (245, 1470), (247, 1482), (266, 1569), (282, 1683), (289, 1722), (297, 1779), (320, 1857), (364, 2034), (370, 2052), (382, 2085),

Gene: Dice_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Dice_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: DigitDog_6 Start: 3572, Stop: 5338, Start Num: 57
Candidate Starts for DigitDog_6:
(16, 3338), (17, 3347), (19, 3359), (28, 3431), (42, 3536), (Start: 57 @3572 has 10 MA's), (68, 3599), (97, 3713), (102, 3722), (138, 3899), (163, 4037), (164, 4040), (168, 4064), (171, 4076), (175, 4091), (188, 4220), (194, 4250), (195, 4253), (201, 4310), (202, 4313), (203, 4322), (209, 4376), (211, 4388), (229, 4505), (233, 4526), (255, 4670), (292, 4862), (296, 4883), (306, 4943), (309, 4955), (320, 5009), (336, 5069), (343, 5099), (347, 5120), (351, 5135), (353, 5141), (365, 5195), (384, 5249),

Gene: Dingo_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Dingo_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (299, 1914), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Dione_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Dione_2:

(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: DirtJuice_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for DirtJuice_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Doddsville_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Doddsville_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: DoesntMatter_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for DoesntMatter_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: DonSanchon_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for DonSanchon_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: DonTron_2 Start: 1096, Stop: 2841, Start Num: 79
Candidate Starts for DonTron_2:
(Start: 79 @1096 has 3 MA's), (Start: 83 @1105 has 1 MA's), (86, 1108), (92, 1135), (101, 1168), (135, 1333), (136, 1336), (138, 1345), (142, 1375), (169, 1513), (173, 1531), (191, 1675), (194, 1696), (204, 1786), (221, 1891), (229, 1957), (244, 2023), (247, 2047), (267, 2137), (279, 2215), (280, 2218), (283, 2245), (287, 2275), (292, 2293), (301, 2350), (315, 2416), (385, 2686), (387, 2698), (391, 2719), (396, 2743), (402, 2770), (405, 2806), (407, 2818),

Gene: Donny_6 Start: 3581, Stop: 5347, Start Num: 57
Candidate Starts for Donny_6:
(16, 3347), (17, 3356), (19, 3368), (28, 3440), (42, 3545), (Start: 57 @3581 has 10 MA's), (65, 3602), (68, 3608), (97, 3722), (102, 3731), (138, 3908), (163, 4046), (164, 4049), (168, 4073), (171, 4085), (175, 4100), (194, 4259), (195, 4262), (201, 4319), (202, 4322), (203, 4331), (209, 4385), (211, 4397), (229, 4514), (233, 4535), (255, 4679), (292, 4871), (296, 4892), (306, 4952), (309, 4964), (314, 4991), (320, 5018), (336, 5078), (343, 5108), (347, 5129), (351, 5144), (353, 5150), (365, 5204), (384, 5258),

Gene: Dori_3 Start: 815, Stop: 2365, Start Num: 95
Candidate Starts for Dori_3:
(Start: 95 @815 has 4 MA's), (106, 842), (123, 926), (129, 971), (136, 998), (147, 1052), (148, 1061), (149, 1064), (153, 1088), (155, 1094), (162, 1136), (166, 1148), (181, 1238), (189, 1289), (192, 1304), (201, 1376), (206, 1412), (208, 1418), (211, 1454), (212, 1457), (223, 1502), (227, 1529), (228, 1547), (229, 1553), (230, 1556), (240, 1595), (245, 1631), (246, 1637), (247, 1643), (249, 1670), (253, 1685), (255, 1700), (258, 1706), (263, 1724), (266, 1733), (267, 1736), (271, 1784), (277, 1811), (281, 1820), (283, 1844), (287, 1874), (292, 1892), (296, 1913), (301, 1949), (302, 1952), (304, 1964), (307, 1976), (310, 1991), (312, 2009), (321, 2042), (325, 2054), (330, 2072), (332, 2075), (333, 2084), (335, 2090), (339, 2105), (357, 2177), (360, 2186), (361, 2189), (364, 2210), (382, 2261), (393, 2327),

Gene: DuchessDung_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for DuchessDung_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Duggie_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Duggie_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Durga_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Durga_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: EMoore_2 Start: 534, Stop: 2189, Start Num: 88
Candidate Starts for EMoore_2:
(Start: 88 @534 has 7 MA's), (114, 657), (116, 663), (122, 687), (125, 708), (129, 732), (132, 741), (135, 756), (136, 759), (137, 762), (150, 831), (154, 855), (162, 900), (165, 912), (182, 999), (187, 1041), (197, 1101), (198, 1113), (200, 1134), (205, 1170), (208, 1179), (217, 1251), (220, 1263), (223, 1284), (225, 1308), (241, 1446), (245, 1473), (282, 1692), (284, 1704), (289, 1731), (295, 1761), (297, 1788), (303, 1806), (320, 1887), (329, 1920), (338, 1950), (354, 2016), (364, 2064), (373, 2094), (381, 2112), (394, 2163),

Gene: Eaglehorse_7 Start: 4248, Stop: 5942, Start Num: 73
Candidate Starts for Eaglehorse_7:
(Start: 71 @4242 has 6 MA's), (Start: 73 @4248 has 28 MA's), (118, 4428), (133, 4509), (141, 4560), (143, 4569), (148, 4590), (168, 4698), (171, 4710), (194, 4884), (198, 4920), (199, 4932), (200, 4941), (211, 5022), (229, 5139), (230, 5142), (245, 5217), (248, 5253), (263, 5310), (283, 5430), (287, 5460), (292, 5478), (296, 5499), (299, 5529), (301, 5535), (310, 5574), (317, 5610), (324, 5637), (336, 5679), (348, 5733), (353, 5751), (365, 5805), (387, 5877),

Gene: EastView9101_6 Start: 3581, Stop: 5347, Start Num: 57
Candidate Starts for EastView9101_6:
(16, 3347), (17, 3356), (19, 3368), (28, 3440), (42, 3545), (Start: 57 @3581 has 10 MA's), (65, 3602), (68, 3608), (97, 3722), (102, 3731), (138, 3908), (163, 4046), (164, 4049), (168, 4073), (171, 4085), (175, 4100), (194, 4259), (195, 4262), (201, 4319), (202, 4322), (203, 4331), (209, 4385), (211, 4397), (229, 4514), (233, 4535), (255, 4679), (292, 4871), (296, 4892), (306, 4952), (309, 4964), (314, 4991), (320, 5018), (336, 5078), (343, 5108), (347, 5129), (351, 5144), (353, 5150), (365, 5204), (384, 5258),

Gene: EdmundFerry_2 Start: 558, Stop: 2156, Start Num: 84
Candidate Starts for EdmundFerry_2:
(Start: 84 @558 has 7 MA's), (108, 642), (116, 690), (122, 714), (125, 735), (129, 759), (136, 786), (142, 825), (150, 858), (152, 876), (154, 882), (164, 936), (165, 939), (182, 1026), (187, 1068), (196, 1122), (198, 1140), (200, 1161), (208, 1206), (217, 1278), (220, 1290), (223, 1311), (231, 1386), (241, 1443), (243, 1452), (245, 1470), (247, 1482), (266, 1569), (282, 1683), (289, 1722), (297, 1779), (320, 1857), (364, 2034), (370, 2052), (382, 2085),

Gene: Egi03_5 Start: 1770, Stop: 3377, Start Num: 82
Candidate Starts for Egi03_5:
(39, 1671), (Start: 82 @1770 has 27 MA's), (94, 1818), (136, 2016), (142, 2055), (150, 2088), (156, 2127), (157, 2133), (167, 2175), (182, 2256), (187, 2298), (190, 2310), (200, 2391), (205, 2427), (208, 2436), (223, 2541), (245, 2700), (247, 2712), (266, 2799), (277, 2865), (283, 2907), (296, 2976), (297, 3000), (318, 3069), (320, 3078), (324, 3090), (346, 3180), (354, 3207), (364, 3255), (381, 3303),

Gene: ElvisPhasley_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for ElvisPhasley_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Emiris_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Emiris_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: EmpTee_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for EmpTee_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Epah_4 Start: 2364, Stop: 4109, Start Num: 43
Candidate Starts for Epah_4:
(Start: 43 @2364 has 2 MA's), (76, 2424), (102, 2514), (113, 2553), (114, 2583), (119, 2595), (125, 2631), (129, 2655), (137, 2688), (138, 2694), (143, 2730), (159, 2811), (175, 2886), (180, 2946), (186, 3003), (194, 3045), (195, 3048), (200, 3102), (209, 3171), (211, 3183), (213, 3201), (229, 3300), (230, 3303), (242, 3360), (255, 3450), (263, 3474), (266, 3483), (272, 3543), (282, 3597), (287, 3630), (293,

3660), (296, 3669), (299, 3699), (301, 3705), (302, 3708), (317, 3780), (336, 3855), (348, 3909), (353, 3927), (362, 3957), (376, 4014), (378, 4020), (384, 4035), (401, 4086),

Gene: Eremos_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Eremos_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Etaye_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Etaye_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Eugenia_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Eugenia_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Evaa_6 Start: 3949, Stop: 5649, Start Num: 66
Candidate Starts for Evaa_6:
(51, 3913), (Start: 55 @3922 has 6 MA's), (Start: 66 @3949 has 1 MA's), (108, 4090), (114, 4135), (118, 4147), (123, 4165), (129, 4207), (137, 4237), (138, 4243), (182, 4516), (183, 4519), (194, 4594), (195, 4597), (199, 4642), (200, 4651), (204, 4684), (211, 4732), (261, 5011), (279, 5107), (280, 5110), (281, 5113), (288, 5170), (290, 5179), (296, 5206), (309, 5278), (310, 5281), (324, 5344), (334, 5386), (365, 5521), (384, 5575),

Gene: Evamon_5 Start: 1655, Stop: 3259, Start Num: 82
Candidate Starts for Evamon_5:
(4, 1079), (13, 1250), (18, 1352), (21, 1367), (24, 1394), (77, 1637), (Start: 82 @1655 has 27 MA's), (94, 1703), (122, 1826), (136, 1898), (145, 1949), (150, 1970), (152, 1988), (167, 2057), (182, 2138), (184, 2153), (187, 2180), (193, 2207), (197, 2240), (200, 2273), (205, 2309), (208, 2318), (248, 2618), (276, 2741), (277, 2747), (283, 2789), (289, 2825), (296, 2858), (297, 2882), (318, 2951), (320, 2960), (324, 2972), (354, 3089), (364, 3137), (381, 3185),

Gene: Fanaw_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for Fanaw_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (103, 3611), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (138, 3788), (147, 3836), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (211, 4277), (229, 4394), (242, 4454), (255, 4544), (263, 4568), (266, 4577), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: Fang_2 Start: 564, Stop: 2351, Start Num: 56

Candidate Starts for Fang_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Faze9_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for Faze9_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Fireball_5 Start: 1770, Stop: 3377, Start Num: 82
Candidate Starts for Fireball_5:
(39, 1671), (Start: 82 @1770 has 27 MA's), (94, 1818), (136, 2016), (142, 2055), (150, 2088), (156, 2127), (157, 2133), (167, 2175), (182, 2256), (187, 2298), (190, 2310), (200, 2391), (205, 2427), (208, 2436), (223, 2541), (245, 2700), (266, 2799), (277, 2865), (283, 2907), (296, 2976), (297, 3000), (318, 3069), (320, 3078), (324, 3090), (346, 3180), (354, 3207), (364, 3255), (381, 3303),

Gene: Fitzgerald_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Fitzgerald_2:
(Start: 91 @514 has 34 MA's), (93, 520), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (162, 865), (165, 877), (187, 1006), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (284, 1639), (286, 1657), (297, 1723), (300, 1732), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996),

Gene: Flatwoods_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Flatwoods_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (207, 1139), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: FluffyNinja_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for FluffyNinja_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: ForDig_4 Start: 2384, Stop: 4144, Start Num: 48
Candidate Starts for ForDig_4:
(Start: 48 @2384 has 22 MA's), (99, 2543), (102, 2549), (122, 2645), (129, 2690), (138, 2729), (143, 2765), (162, 2858), (168, 2891), (175, 2918), (182, 2999), (183, 3002), (189, 3050), (194, 3077), (195, 3080), (200, 3134), (204, 3167), (229, 3332), (239, 3377), (259, 3491), (263, 3506), (266, 3515), (267, 3518), (272, 3575), (274, 3581), (285, 3650), (293, 3686), (296, 3695), (301, 3731), (310, 3770), (317, 3806), (328, 3848), (336, 3881), (348, 3935), (370, 4019), (376, 4040), (378, 4046), (384, 4061), (401, 4115),

Gene: Fortunato_4 Start: 3455, Stop: 5203, Start Num: 48
Candidate Starts for Fortunato_4:
(Start: 48 @3455 has 22 MA's), (76, 3515), (102, 3605), (113, 3644), (114, 3674), (119, 3686), (125, 3722), (129, 3746), (137, 3779), (138, 3785), (159, 3902), (175, 3977), (180, 4037), (186, 4094), (194, 4136), (195, 4139), (200, 4193), (209, 4262), (211, 4274), (229, 4391), (242, 4451), (263, 4565), (266, 4574), (272, 4634), (279, 4661), (282, 4688), (287, 4721), (293, 4751), (296, 4760), (301, 4796), (302, 4799), (310, 4835), (317, 4871), (336, 4946), (348, 5000), (353, 5018), (362, 5048), (365, 5072), (376, 5105), (378, 5111), (384, 5126), (401, 5177),

Gene: Fozzie_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Fozzie_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Frankicide_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Frankicide_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (299, 1914), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Frederick_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for Frederick_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (147, 3836), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (211, 4277), (229, 4394), (242, 4454), (255, 4544), (263, 4568), (266, 4577), (279, 4664), (282, 4691), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: FrenchFry_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for FrenchFry_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Fresco_4 Start: 2439, Stop: 4172, Start Num: 49
Candidate Starts for Fresco_4:
(Start: 49 @2439 has 9 MA's), (90, 2550), (105, 2607), (118, 2676), (120, 2679), (136, 2763), (138, 2772), (143, 2808), (147, 2820), (199, 3171), (202, 3186), (229, 3378), (238, 3420), (248, 3498), (263, 3552), (266, 3561), (272, 3621), (279, 3642), (280, 3645), (287, 3702), (301, 3777), (348, 3972), (351, 3984), (353, 3990), (356, 3996), (358, 4008), (361, 4017), (368, 4053), (393, 4131), (401, 4149),

Gene: Freya_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Freya_2:

(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: FriarPreacher_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for FriarPreacher_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Fringe_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Fringe_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: FuegoCuervo_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for FuegoCuervo_2:
(Start: 91 @514 has 34 MA's), (93, 520), (122, 652), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (260, 1489), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (324, 1813), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (381, 2026), (397, 2086),

Gene: FugateOSU_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for FugateOSU_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Fugax_5 Start: 1791, Stop: 3395, Start Num: 82
Candidate Starts for Fugax_5:
(Start: 82 @1791 has 27 MA's), (94, 1839), (122, 1962), (136, 2034), (145, 2085), (150, 2106), (152, 2124), (167, 2193), (182, 2274), (184, 2289), (187, 2316), (193, 2343), (197, 2376), (200, 2409), (205, 2445), (208, 2454), (249, 2757), (277, 2883), (283, 2925), (289, 2961), (296, 2994), (297, 3018), (318, 3087), (320, 3096), (324, 3108), (354, 3225), (363, 3261), (364, 3273), (381, 3321),

Gene: Funsized_9 Start: 5517, Stop: 7280, Start Num: 44
Candidate Starts for Funsized_9:
(11, 5205), (18, 5340), (25, 5388), (Start: 44 @5517 has 2 MA's), (76, 5595), (81, 5613), (102, 5685), (105, 5697), (129, 5826), (138, 5865), (143, 5901), (159, 5982), (164, 6006), (168, 6030), (178, 6102), (180, 6117), (186, 6174), (189, 6189), (194, 6216), (195, 6219), (204, 6306), (212, 6357), (229, 6471), (230, 6474), (239, 6516), (242, 6531), (267, 6657), (268, 6663), (272, 6714), (279, 6744), (287, 6804), (290, 6816), (296, 6843), (301, 6879), (310, 6918), (343, 7059), (353, 7101), (358, 7119), (365, 7155), (371, 7173), (375, 7185), (376, 7188), (384, 7209), (401, 7260),

Gene: GTE6_2 Start: 622, Stop: 2220, Start Num: 84
Candidate Starts for GTE6_2:
(Start: 84 @622 has 7 MA's), (108, 706), (116, 754), (122, 778), (125, 799), (129, 823), (136, 850), (142, 889), (150, 922), (154, 946), (164, 1000), (165, 1003), (182, 1090), (187, 1132), (196, 1186), (198, 1204), (200, 1225), (208, 1270), (217, 1342), (220, 1354), (223, 1375), (231, 1450), (241, 1507), (245, 1534), (247, 1546), (266, 1633), (282, 1747), (289, 1786), (297, 1843), (320, 1921), (364, 2098), (370, 2116), (382, 2149),

Gene: Gadjet_6 Start: 2696, Stop: 4471, Start Num: 38
Candidate Starts for Gadjet_6:
(Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2810), (129, 3023), (137, 3053), (138, 3059), (141, 3086), (151, 3122), (166, 3206), (182, 3332), (194, 3410), (200, 3467), (204, 3500), (223, 3614), (229, 3668), (250, 3788), (254, 3809), (272, 3905), (283, 3956), (287, 3986), (288, 3989), (296, 4025), (301, 4061), (317, 4136), (324, 4163), (326, 4172), (341, 4223), (347, 4256), (351, 4271), (356, 4283), (365, 4331), (370, 4343), (383, 4382), (384, 4385), (401, 4436),

Gene: Gaea_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Gaea_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (142, 761), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (208, 1142), (220, 1226), (223, 1247), (224, 1262), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: Galadriel_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Galadriel_2:
(Start: 91 @514 has 34 MA's), (93, 520), (114, 622), (122, 652), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (162, 865), (165, 877), (187, 1006), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (381, 2026), (397, 2086),

Gene: Gareth_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Gareth_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: GeneCoco_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for GeneCoco_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Geodirt_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Geodirt_2:
(Start: 91 @514 has 34 MA's), (93, 520), (114, 622), (122, 652), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (165, 877), (187, 1006), (198, 1078), (200, 1099), (205, 1135), (208,

1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996), (381, 2026), (397, 2086),

Gene: Gervas_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Gervas_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (207, 3512), (209, 3539), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Gezellig_5 Start: 1770, Stop: 3377, Start Num: 82
Candidate Starts for Gezellig_5:
(39, 1671), (Start: 82 @1770 has 27 MA's), (94, 1818), (136, 2016), (142, 2055), (150, 2088), (156, 2127), (157, 2133), (167, 2175), (182, 2256), (187, 2298), (190, 2310), (200, 2391), (205, 2427), (208, 2436), (223, 2541), (245, 2700), (266, 2799), (277, 2865), (283, 2907), (296, 2976), (297, 3000), (318, 3069), (320, 3078), (324, 3090), (346, 3180), (354, 3207), (364, 3255), (381, 3303),

Gene: GinPorsche_4 Start: 2364, Stop: 4109, Start Num: 43
Candidate Starts for GinPorsche_4:
(Start: 43 @2364 has 2 MA's), (76, 2424), (102, 2514), (105, 2526), (113, 2553), (114, 2583), (119, 2595), (125, 2631), (129, 2655), (137, 2688), (138, 2694), (143, 2730), (159, 2811), (175, 2886), (180, 2946), (186, 3003), (194, 3045), (195, 3048), (200, 3102), (209, 3171), (211, 3183), (213, 3201), (229, 3300), (230, 3303), (242, 3360), (255, 3450), (263, 3474), (266, 3483), (272, 3543), (282, 3597), (287, 3630), (293, 3660), (296, 3669), (299, 3699), (301, 3705), (302, 3708), (317, 3780), (336, 3855), (348, 3909), (353, 3927), (362, 3957), (376, 4014), (378, 4020), (384, 4035), (401, 4086),

Gene: Giraffe_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Giraffe_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Glass_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for Glass_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: GlenHope_6 Start: 2717, Stop: 4480, Start Num: 45
Candidate Starts for GlenHope_6:
(3, 2243), (6, 2276), (8, 2342), (15, 2438), (Start: 38 @2699 has 4 MA's), (Start: 45 @2717 has 27 MA's), (53, 2738), (81, 2819), (129, 3032), (137, 3062), (138, 3068), (141, 3095), (151, 3131), (166, 3215), (182, 3341), (194, 3419), (200, 3476), (204, 3509), (223, 3623), (229, 3677), (250, 3797), (254, 3818), (272, 3914), (283, 3965), (287, 3995), (288, 3998), (296, 4034), (301, 4070), (317, 4145), (324, 4172), (326, 4181), (341, 4232), (347, 4265), (351, 4280), (356, 4292), (365, 4340), (370, 4352), (383, 4391), (384, 4394), (401, 4445),

Gene: Glubnar_6 Start: 2717, Stop: 4477, Start Num: 45
Candidate Starts for Glubnar_6:
(3, 2243), (6, 2276), (8, 2342), (15, 2438), (Start: 38 @2699 has 4 MA's), (Start: 45 @2717 has 27 MA's), (53, 2735), (81, 2816), (129, 3029), (137, 3059), (138, 3065), (141, 3092), (151, 3128), (166, 3212), (182, 3338), (194, 3416), (200, 3473), (204, 3506), (223, 3620), (229, 3674), (250, 3794), (254, 3815), (272, 3911), (283, 3962), (287, 3992), (288, 3995), (301, 4067), (317, 4142), (324, 4169), (326, 4178), (341, 4229), (347, 4262), (351, 4277), (356, 4289), (370, 4349), (383, 4388), (384, 4391), (401, 4442),

Gene: GodPhather_2 Start: 348, Stop: 1952, Start Num: 78
Candidate Starts for GodPhather_2:
(Start: 78 @348 has 8 MA's), (101, 426), (105, 438), (136, 594), (138, 603), (146, 648), (153, 687), (154, 690), (169, 771), (182, 876), (194, 954), (197, 978), (198, 990), (223, 1158), (226, 1176), (242, 1263), (244, 1275), (256, 1359), (263, 1380), (266, 1389), (267, 1392), (268, 1398), (279, 1470), (281, 1476), (283, 1500), (287, 1530), (290, 1542), (301, 1605), (313, 1656), (330, 1719), (333, 1731), (357, 1824), (360, 1833), (362, 1839), (372, 1884), (379, 1902), (385, 1923), (386, 1932), (388, 1944), (389, 1947),

Gene: Godines_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Godines_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (188, 4836), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Gophee_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Gophee_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Grand2040_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Grand2040_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Gustavo_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Gustavo_2:
(Start: 91 @512 has 34 MA's), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (208, 1142), (220, 1226), (223, 1247), (224, 1262), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: Gwennie1_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Gwennie1_2:

(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Gwilliam_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Gwilliam_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Gyarad_002 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Gyarad_002:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: HSavage_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for HSavage_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Haimas_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Haimas_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Haleema_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Haleema_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Halfpint_5 Start: 2562, Stop: 4322, Start Num: 45
Candidate Starts for Halfpint_5:
(3, 2088), (6, 2121), (8, 2187), (15, 2283), (Start: 38 @2544 has 4 MA's), (Start: 45 @2562 has 27 MA's), (53, 2580), (81, 2661), (129, 2874), (137, 2904), (138, 2910), (141, 2937), (151, 2973), (166, 3057), (182, 3183), (194, 3261), (200, 3318), (204, 3351), (223, 3465), (229, 3519), (250, 3639), (254, 3660), (272, 3756), (283, 3807), (287, 3837), (288, 3840), (301, 3912), (317, 3987), (324, 4014), (326, 4023), (341, 4074), (347, 4107), (351, 4122), (356, 4134), (370, 4194), (383, 4233), (384, 4236), (401,

4287),

Gene: Hally898_4 Start: 2364, Stop: 4109, Start Num: 43
Candidate Starts for Hally898_4:
(Start: 43 @2364 has 2 MA's), (76, 2424), (102, 2514), (105, 2526), (113, 2553), (114, 2583), (119, 2595), (125, 2631), (129, 2655), (137, 2688), (138, 2694), (143, 2730), (159, 2811), (175, 2886), (180, 2946), (186, 3003), (194, 3045), (195, 3048), (200, 3102), (209, 3171), (211, 3183), (213, 3201), (229, 3300), (230, 3303), (242, 3360), (255, 3450), (263, 3474), (266, 3483), (272, 3543), (282, 3597), (287, 3630), (293, 3660), (296, 3669), (299, 3699), (301, 3705), (302, 3708), (317, 3780), (336, 3855), (348, 3909), (353, 3927), (362, 3957), (376, 4014), (378, 4020), (384, 4035), (401, 4086),

Gene: Halo3_5 Start: 1764, Stop: 3368, Start Num: 82
Candidate Starts for Halo3_5:
(Start: 82 @1764 has 27 MA's), (94, 1812), (122, 1935), (136, 2007), (145, 2058), (150, 2079), (152, 2097), (167, 2166), (182, 2247), (184, 2262), (187, 2289), (193, 2316), (197, 2349), (200, 2382), (205, 2418), (208, 2427), (249, 2730), (276, 2850), (277, 2856), (283, 2898), (289, 2934), (296, 2967), (297, 2991), (318, 3060), (320, 3069), (324, 3081), (349, 3180), (354, 3198), (364, 3246), (373, 3276), (381, 3294),

Gene: Hamish_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Hamish_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Hangman_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for Hangman_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (143, 3824), (147, 3836), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (211, 4277), (229, 4394), (242, 4454), (255, 4544), (263, 4568), (266, 4577), (279, 4664), (282, 4691), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: Hans_2 Start: 534, Stop: 2189, Start Num: 88
Candidate Starts for Hans_2:
(Start: 88 @534 has 7 MA's), (114, 657), (116, 663), (122, 687), (125, 708), (129, 732), (132, 741), (136, 759), (137, 762), (150, 831), (154, 855), (162, 900), (182, 999), (187, 1041), (188, 1047), (197, 1101), (198, 1113), (200, 1134), (205, 1170), (208, 1179), (217, 1251), (220, 1263), (223, 1284), (225, 1308), (241, 1446), (245, 1473), (282, 1692), (284, 1704), (289, 1731), (295, 1761), (297, 1788), (303, 1806), (320, 1887), (329, 1920), (331, 1923), (338, 1950), (364, 2064), (370, 2082), (373, 2094), (381, 2112), (394, 2163),

Gene: Hartsy_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Hartsy_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Harvey_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Harvey_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: HarveySr_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for HarveySr_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Hashim76_8 Start: 2053, Stop: 3825, Start Num: 47
Candidate Starts for Hashim76_8:
(Start: 47 @2053 has 3 MA's), (74, 2119), (97, 2209), (102, 2218), (103, 2221), (113, 2257), (129, 2359), (138, 2398), (176, 2599), (179, 2641), (186, 2707), (206, 2845), (209, 2875), (229, 3004), (266, 3187), (272, 3247), (276, 3259), (293, 3367), (310, 3451), (336, 3562), (348, 3616), (365, 3688), (376, 3721), (380, 3730), (384, 3742), (401, 3805),

Gene: Heath_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for Heath_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (143, 3824), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (211, 4277), (229, 4394), (230, 4397), (242, 4454), (263, 4568), (266, 4577), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: Heathcliff_6 Start: 2696, Stop: 4474, Start Num: 38
Candidate Starts for Heathcliff_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Hedgerow_7 Start: 4329, Stop: 6023, Start Num: 73
Candidate Starts for Hedgerow_7:
(Start: 71 @4323 has 6 MA's), (Start: 73 @4329 has 28 MA's), (118, 4509), (133, 4590), (141, 4641), (143, 4650), (148, 4671), (168, 4779), (171, 4791), (194, 4965), (198, 5001), (199, 5013), (200, 5022), (211, 5103), (229, 5220), (230, 5223), (245, 5298), (248, 5334), (263, 5391), (283, 5511), (287, 5541), (292, 5559), (296, 5580), (299, 5610), (301, 5616), (310, 5655), (317, 5691), (324, 5718), (336, 5760), (348, 5814), (353, 5832), (365, 5886), (387, 5958),

Gene: Held_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Held_2:

(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: HenryJackson_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for HenryJackson_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Hertubise_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Hertubise_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Hetaeria_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Hetaeria_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: HighStump_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for HighStump_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Hocus_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Hocus_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Holeinone_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Holeinone_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Horchata_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Horchata_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Hosp_02 Start: 586, Stop: 2346, Start Num: 48
Candidate Starts for Hosp_02:
(Start: 48 @586 has 22 MA's), (99, 745), (102, 751), (122, 847), (129, 892), (138, 931), (143, 967), (162, 1060), (168, 1093), (175, 1120), (182, 1201), (183, 1204), (189, 1252), (194, 1279), (195, 1282), (198, 1315), (200, 1336), (204, 1369), (229, 1534), (239, 1579), (259, 1693), (263, 1708), (266, 1717), (272, 1777), (274, 1783), (285, 1852), (293, 1888), (296, 1897), (301, 1933), (310, 1972), (317, 2008), (328, 2050), (336, 2083), (348, 2137), (370, 2221), (384, 2263), (401, 2317),

Gene: Hydro_5 Start: 3455, Stop: 5203, Start Num: 48
Candidate Starts for Hydro_5:
(Start: 48 @3455 has 22 MA's), (76, 3515), (102, 3605), (113, 3644), (114, 3674), (119, 3686), (125, 3722), (129, 3746), (137, 3779), (138, 3785), (147, 3833), (159, 3902), (175, 3977), (180, 4037), (186, 4094), (194, 4136), (195, 4139), (200, 4193), (209, 4262), (229, 4391), (242, 4451), (255, 4541), (263, 4565), (266, 4574), (272, 4634), (279, 4661), (282, 4688), (287, 4721), (293, 4751), (296, 4760), (299, 4790), (301, 4796), (302, 4799), (310, 4835), (317, 4871), (336, 4946), (348, 5000), (353, 5018), (362, 5048), (365, 5072), (376, 5105), (378, 5111), (384, 5126), (401, 5177),

Gene: ImtiyazSitla_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for ImtiyazSitla_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Imvubu_2 Start: 579, Stop: 2414, Start Num: 32
Candidate Starts for Imvubu_2:
(Start: 32 @579 has 1 MA's), (81, 747), (102, 819), (108, 843), (109, 846), (126, 939), (138, 999), (143, 1035), (159, 1116), (168, 1164), (169, 1167), (173, 1185), (175, 1191), (178, 1236), (180, 1251), (183, 1275), (185, 1299), (186, 1308), (189, 1323), (195, 1353), (198, 1386), (229, 1605), (230, 1608), (239, 1650), (242, 1665), (268, 1797), (287, 1938), (296, 1977), (301, 2013), (302, 2016), (310, 2052), (317, 2088), (344, 2199), (348, 2217), (351, 2229), (353, 2235), (361, 2262), (365, 2289), (376, 2322), (384, 2343), (385, 2349), (401, 2394),

Gene: Inchworm_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Inchworm_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Indlovu_6 Start: 3604, Stop: 5331, Start Num: 61
Candidate Starts for Indlovu_6:

(Start: 61 @3604 has 2 MA's), (74, 3637), (102, 3733), (109, 3760), (111, 3769), (122, 3829), (129, 3874), (138, 3913), (194, 4264), (195, 4267), (204, 4354), (209, 4390), (211, 4402), (221, 4453), (229, 4519), (268, 4711), (272, 4762), (274, 4768), (279, 4783), (287, 4843), (294, 4876), (301, 4918), (310, 4957), (326, 5029), (327, 5032), (336, 5068), (351, 5134), (353, 5140), (365, 5194), (384, 5248),

Gene: Inspectinfecti_2 Start: 534, Stop: 2189, Start Num: 88
Candidate Starts for Inspectinfecti_2:
(Start: 88 @534 has 7 MA's), (114, 657), (116, 663), (122, 687), (125, 708), (129, 732), (132, 741), (136, 759), (137, 762), (142, 798), (150, 831), (154, 855), (162, 900), (182, 999), (187, 1041), (188, 1047), (197, 1101), (198, 1113), (200, 1134), (205, 1170), (208, 1179), (217, 1251), (220, 1263), (223, 1284), (225, 1308), (241, 1446), (245, 1473), (282, 1692), (289, 1731), (295, 1761), (297, 1788), (301, 1800), (303, 1806), (320, 1887), (329, 1920), (331, 1923), (364, 2064), (370, 2082), (373, 2094), (381, 2112), (394, 2163),

Gene: Inverness_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Inverness_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Iridessa_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Iridessa_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Iridoclysis_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Iridoclysis_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: IsaacEli_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for IsaacEli_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: ItsyBitsy1_7 Start: 4221, Stop: 5915, Start Num: 73
Candidate Starts for ItsyBitsy1_7:
(Start: 71 @4215 has 6 MA's), (Start: 73 @4221 has 28 MA's), (118, 4401), (133, 4482), (141, 4533), (143, 4542), (148, 4563), (168, 4671), (171, 4683), (194, 4857), (198, 4893), (199, 4905), (200, 4914), (211, 4995), (229, 5112), (230, 5115), (245, 5190), (248, 5226), (263, 5283), (283, 5403), (287, 5433), (292, 5451), (296, 5472), (299, 5502), (301, 5508), (310, 5547), (317, 5583), (324, 5610), (336, 5652), (348, 5706), (353, 5724), (365, 5778), (387, 5850),

Gene: JAMaL_5 Start: 3453, Stop: 5207, Start Num: 48
Candidate Starts for JAMaL_5:
(30, 3354), (Start: 48 @3453 has 22 MA's), (76, 3522), (102, 3612), (113, 3651), (114, 3681), (119, 3693), (125, 3729), (129, 3753), (137, 3786), (138, 3792), (143, 3828), (159, 3909), (175, 3984), (180, 4044), (186, 4101), (194, 4143), (195, 4146), (200, 4200), (211, 4281), (229, 4398), (230, 4401), (242, 4458), (263, 4572), (278, 4659), (279, 4668), (282, 4695), (287, 4728), (293, 4758), (296, 4767), (299, 4797), (301, 4803), (302, 4806), (317, 4878), (336, 4953), (348, 5007), (362, 5055), (376, 5112), (378, 5118), (384, 5133), (401, 5184),

Gene: JDog_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for JDog_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: JKSyngboy_2 Start: 509, Stop: 2101, Start Num: 91
Candidate Starts for JKSyngboy_2:
(Start: 91 @509 has 34 MA's), (93, 515), (98, 542), (114, 617), (122, 647), (125, 668), (136, 719), (142, 758), (143, 764), (165, 872), (172, 908), (187, 1001), (198, 1073), (200, 1094), (205, 1130), (207, 1136), (208, 1139), (220, 1223), (223, 1244), (224, 1259), (241, 1376), (245, 1403), (247, 1415), (265, 1505), (266, 1508), (281, 1601), (286, 1652), (295, 1691), (297, 1718), (321, 1799), (324, 1808), (327, 1820), (329, 1829), (338, 1859), (342, 1874), (364, 1973), (370, 1991),

Gene: Jabberwocky_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Jabberwocky_2:
(Start: 91 @514 has 34 MA's), (93, 520), (122, 652), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (284, 1639), (286, 1657), (297, 1723), (300, 1732), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996),

Gene: JacAttac_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for JacAttac_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Jackstina_5 Start: 2603, Stop: 4363, Start Num: 45
Candidate Starts for Jackstina_5:
(3, 2129), (6, 2162), (8, 2228), (15, 2324), (Start: 38 @2585 has 4 MA's), (Start: 45 @2603 has 27 MA's), (53, 2621), (81, 2702), (129, 2915), (137, 2945), (138, 2951), (141, 2978), (151, 3014), (166, 3098), (182, 3224), (194, 3302), (200, 3359), (204, 3392), (223, 3506), (229, 3560), (250, 3680), (254, 3701), (272, 3797), (283, 3848), (287, 3878), (288, 3881), (296, 3917), (301, 3953), (317, 4028), (324, 4055), (326, 4064), (341, 4115), (347, 4148), (351, 4163), (356, 4175), (365, 4223), (370, 4235), (383, 4274), (384, 4277), (401, 4328),

Gene: JaguarMi_5 Start: 3458, Stop: 5203, Start Num: 48
Candidate Starts for JaguarMi_5:

(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (143, 3824), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (211, 4277), (229, 4394), (242, 4454), (263, 4568), (266, 4577), (272, 4637), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (302, 4802), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: JakeO_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for JakeO_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Jambalaya_5 Start: 1785, Stop: 3392, Start Num: 82
Candidate Starts for Jambalaya_5:
(Start: 82 @1785 has 27 MA's), (94, 1833), (136, 2031), (142, 2070), (150, 2103), (156, 2142), (157, 2148), (167, 2190), (182, 2271), (187, 2313), (190, 2325), (200, 2406), (205, 2442), (208, 2451), (223, 2556), (245, 2715), (266, 2814), (277, 2880), (283, 2922), (295, 2988), (296, 2991), (297, 3015), (318, 3084), (320, 3093), (324, 3105), (354, 3222), (364, 3270), (381, 3318),

Gene: JangoPhett_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for JangoPhett_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Jeon_2 Start: 348, Stop: 1952, Start Num: 78
Candidate Starts for Jeon_2:
(Start: 78 @348 has 8 MA's), (101, 426), (105, 438), (136, 594), (138, 603), (146, 648), (153, 687), (154, 690), (169, 771), (182, 876), (194, 954), (197, 978), (198, 990), (223, 1158), (226, 1176), (242, 1263), (244, 1275), (256, 1359), (263, 1380), (266, 1389), (267, 1392), (268, 1398), (279, 1470), (281, 1476), (283, 1500), (287, 1530), (290, 1542), (301, 1605), (313, 1656), (330, 1719), (333, 1731), (357, 1824), (360, 1833), (362, 1839), (372, 1884), (379, 1902), (385, 1923), (386, 1932), (388, 1944), (389, 1947),

Gene: Jesabah_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Jesabah_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Jillium_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Jillium_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371,

2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Jiminy_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Jiminy_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Jiraiya_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Jiraiya_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Jolie1_04 Start: 2384, Stop: 4144, Start Num: 48
Candidate Starts for Jolie1_04:
(Start: 48 @2384 has 22 MA's), (99, 2543), (102, 2549), (122, 2645), (129, 2690), (138, 2729), (143, 2765), (162, 2858), (168, 2891), (175, 2918), (182, 2999), (183, 3002), (189, 3050), (194, 3077), (195, 3080), (200, 3134), (229, 3332), (239, 3377), (259, 3491), (263, 3506), (266, 3515), (272, 3575), (274, 3581), (285, 3650), (293, 3686), (296, 3695), (301, 3731), (310, 3770), (317, 3806), (328, 3848), (336, 3881), (348, 3935), (370, 4019), (376, 4040), (378, 4046), (384, 4061), (401, 4115),

Gene: Jollymon_2 Start: 1099, Stop: 2844, Start Num: 79
Candidate Starts for Jollymon_2:
(69, 1063), (Start: 79 @1099 has 3 MA's), (Start: 83 @1108 has 1 MA's), (86, 1111), (92, 1138), (101, 1171), (135, 1336), (136, 1339), (138, 1348), (142, 1378), (169, 1516), (173, 1534), (191, 1678), (194, 1699), (198, 1735), (204, 1789), (221, 1894), (229, 1960), (230, 1963), (244, 2026), (247, 2050), (267, 2140), (279, 2218), (280, 2221), (283, 2248), (287, 2278), (292, 2296), (301, 2353), (315, 2419), (350, 2566), (385, 2689), (387, 2701), (391, 2722), (396, 2746), (402, 2773), (405, 2809), (407, 2821), (408, 2824),

Gene: KLucky39_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for KLucky39_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Kahve_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Kahve_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Kailash_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Kailash_2:

(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Kaleb_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for Kaleb_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Kamashten_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Kamashten_2:
(Start: 91 @514 has 34 MA's), (93, 520), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (260, 1489), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (300, 1732), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (381, 2026),

Gene: Kamiyu_6 Start: 2699, Stop: 4474, Start Num: 38
Candidate Starts for Kamiyu_6:
(Start: 38 @2699 has 4 MA's), (Start: 45 @2717 has 27 MA's), (53, 2735), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: KarasumaRum_6 Start: 3572, Stop: 5335, Start Num: 57
Candidate Starts for KarasumaRum_6:
(17, 3347), (19, 3359), (28, 3431), (42, 3536), (Start: 57 @3572 has 10 MA's), (68, 3599), (97, 3713), (102, 3722), (138, 3899), (163, 4037), (164, 4040), (168, 4064), (171, 4076), (175, 4091), (194, 4250), (195, 4253), (201, 4310), (202, 4313), (203, 4322), (209, 4376), (211, 4388), (229, 4505), (233, 4526), (255, 4670), (292, 4862), (296, 4883), (306, 4943), (309, 4955), (320, 5009), (340, 5084), (341, 5087), (343, 5099), (347, 5120), (351, 5135), (353, 5141), (365, 5195), (384, 5249),

Gene: Katniss_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Katniss_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: KayaCho_4 Start: 2387, Stop: 4147, Start Num: 48
Candidate Starts for KayaCho_4:
(Start: 48 @2387 has 22 MA's), (99, 2546), (102, 2552), (122, 2648), (129, 2693), (138, 2732), (143, 2768), (162, 2861), (168, 2894), (175, 2921), (182, 3002), (183, 3005), (189, 3053), (194, 3080), (195, 3083), (198, 3116), (200, 3137), (204, 3170), (229, 3335), (239, 3380), (259, 3494), (263, 3509), (266, 3518), (272, 3578), (274, 3584), (285, 3653), (293, 3689), (296, 3698), (301, 3734), (310, 3773), (317, 3809), (328, 3851), (336, 3884), (348, 3938), (370, 4022), (378, 4049), (384, 4064), (401, 4118),

Gene: Keitherie_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Keitherie_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Kewpiedoll_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Kewpiedoll_2:
(Start: 91 @514 has 34 MA's), (93, 520), (114, 622), (122, 652), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996),

Gene: Khan1_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Khan1_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Kheth_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Kheth_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (113, 4368), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Kikipoo_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Kikipoo_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Kimbrough_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Kimbrough_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: KimmyK_5 Start: 1791, Stop: 3395, Start Num: 82
Candidate Starts for KimmyK_5:
(Start: 82 @1791 has 27 MA's), (94, 1839), (122, 1962), (136, 2034), (145, 2085), (150, 2106), (152, 2124), (167, 2193), (182, 2274), (184, 2289), (187, 2316), (193, 2343), (197, 2376), (200, 2409), (205,

2445), (208, 2454), (249, 2757), (277, 2883), (283, 2925), (289, 2961), (296, 2994), (297, 3018), (318, 3087), (320, 3096), (324, 3108), (354, 3225), (363, 3261), (364, 3273), (381, 3321),

Gene: KingTut_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for KingTut_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: KingVeVeVe_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for KingVeVeVe_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: KingstonB_2 Start: 1099, Stop: 2844, Start Num: 79
Candidate Starts for KingstonB_2:
(69, 1063), (Start: 79 @1099 has 3 MA's), (Start: 83 @1108 has 1 MA's), (86, 1111), (92, 1138), (101, 1171), (135, 1336), (136, 1339), (138, 1348), (142, 1378), (169, 1516), (173, 1534), (191, 1678), (194, 1699), (198, 1735), (204, 1789), (221, 1894), (229, 1960), (230, 1963), (244, 2026), (247, 2050), (267, 2140), (279, 2218), (280, 2221), (283, 2248), (287, 2278), (292, 2296), (301, 2353), (315, 2419), (350, 2566), (377, 2665), (385, 2689), (387, 2701), (391, 2722), (396, 2746), (402, 2773), (405, 2809), (407, 2821),

Gene: KlimbOn_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for KlimbOn_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Kloppinator_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Kloppinator_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (76, 633), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Knocker_10 Start: 6134, Stop: 7915, Start Num: 37
Candidate Starts for Knocker_10:
(Start: 37 @6134 has 1 MA's), (74, 6221), (76, 6230), (102, 6320), (103, 6323), (109, 6347), (122, 6416), (123, 6419), (129, 6461), (138, 6500), (143, 6536), (159, 6617), (164, 6641), (168, 6665), (178, 6737), (186, 6809), (189, 6824), (195, 6854), (198, 6887), (202, 6914), (229, 7106), (230, 7109), (239, 7151), (242, 7166), (268, 7298), (287, 7439), (290, 7451), (301, 7514), (320, 7604), (336, 7664), (341, 7682), (351, 7730), (353, 7736), (365, 7790), (376, 7823), (378, 7829), (384, 7844), (385, 7850), (401, 7895),

Gene: Kolhan_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Kolhan_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Kroos_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Kroos_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (207, 1139), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: Kwadwo_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Kwadwo_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Kwekel_2 Start: 558, Stop: 2156, Start Num: 84
Candidate Starts for Kwekel_2:
(Start: 84 @558 has 7 MA's), (108, 642), (116, 690), (122, 714), (125, 735), (129, 759), (136, 786), (142, 825), (150, 858), (152, 876), (154, 882), (164, 936), (165, 939), (182, 1026), (187, 1068), (196, 1122), (198, 1140), (200, 1161), (208, 1206), (217, 1278), (220, 1290), (223, 1311), (231, 1386), (241, 1443), (243, 1452), (245, 1470), (247, 1482), (266, 1569), (282, 1683), (289, 1722), (297, 1779), (320, 1857), (364, 2034), (370, 2052), (382, 2085),

Gene: Kwksand96_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Kwksand96_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Kwobi_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Kwobi_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: Labeouficaum_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Labeouficaum_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266,

1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Lambano_4 Start: 2364, Stop: 4109, Start Num: 43
Candidate Starts for Lambano_4:
(Start: 43 @2364 has 2 MA's), (76, 2424), (102, 2514), (105, 2526), (113, 2553), (114, 2583), (119, 2595), (125, 2631), (129, 2655), (137, 2688), (138, 2694), (143, 2730), (159, 2811), (175, 2886), (180, 2946), (186, 3003), (194, 3045), (195, 3048), (200, 3102), (209, 3171), (211, 3183), (213, 3201), (229, 3300), (230, 3303), (242, 3360), (255, 3450), (263, 3474), (266, 3483), (272, 3543), (282, 3597), (287, 3630), (293, 3660), (296, 3669), (299, 3699), (301, 3705), (302, 3708), (317, 3780), (336, 3855), (348, 3909), (353, 3927), (362, 3957), (376, 4014), (378, 4020), (384, 4035), (401, 4086),

Gene: Lars_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for Lars_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: LasagnaCat_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for LasagnaCat_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Lasso_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Lasso_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Laurie_7 Start: 4224, Stop: 5924, Start Num: 71
Candidate Starts for Laurie_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: LeeLot_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for LeeLot_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Lego3393_2 Start: 564, Stop: 2351, Start Num: 56

Candidate Starts for Lego3393_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Legolas_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Legolas_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: LeiMonet_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for LeiMonet_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: LemonSlice_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for LemonSlice_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Lennon_2 Start: 515, Stop: 2107, Start Num: 91
Candidate Starts for Lennon_2:
(Start: 91 @515 has 34 MA's), (93, 521), (114, 623), (122, 653), (125, 674), (130, 701), (136, 725), (142, 764), (143, 770), (148, 791), (157, 842), (162, 866), (165, 878), (187, 1007), (198, 1079), (200, 1100), (205, 1136), (208, 1145), (220, 1229), (223, 1250), (241, 1382), (245, 1409), (247, 1421), (284, 1640), (286, 1658), (297, 1724), (300, 1733), (321, 1805), (327, 1826), (329, 1835), (338, 1865), (342, 1880), (364, 1979), (370, 1997), (381, 2027), (397, 2087),

Gene: Leonard_2 Start: 534, Stop: 2189, Start Num: 88
Candidate Starts for Leonard_2:
(Start: 88 @534 has 7 MA's), (114, 657), (116, 663), (122, 687), (125, 708), (129, 732), (132, 741), (136, 759), (137, 762), (142, 798), (150, 831), (154, 855), (162, 900), (170, 939), (182, 999), (187, 1041), (188, 1047), (197, 1101), (198, 1113), (200, 1134), (205, 1170), (208, 1179), (217, 1251), (220, 1263), (223, 1284), (225, 1308), (241, 1446), (245, 1473), (282, 1692), (289, 1731), (295, 1761), (297, 1788), (301, 1800), (303, 1806), (320, 1887), (329, 1920), (331, 1923), (364, 2064), (370, 2082), (373, 2094), (381, 2112), (394, 2163),

Gene: Lephleur_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Lephleur_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442),

(292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: LestyG_6 Start: 2717, Stop: 4477, Start Num: 45
Candidate Starts for LestyG_6:
(3, 2243), (6, 2276), (8, 2342), (15, 2438), (Start: 38 @2699 has 4 MA's), (Start: 45 @2717 has 27 MA's), (53, 2735), (81, 2816), (129, 3029), (137, 3059), (138, 3065), (141, 3092), (151, 3128), (166, 3212), (182, 3338), (194, 3416), (200, 3473), (204, 3506), (223, 3620), (229, 3674), (250, 3794), (254, 3815), (272, 3911), (283, 3962), (287, 3992), (288, 3995), (301, 4067), (317, 4142), (324, 4169), (326, 4178), (341, 4229), (347, 4262), (351, 4277), (356, 4289), (370, 4349), (383, 4388), (384, 4391), (401, 4442),

Gene: Ligma_4 Start: 2439, Stop: 4172, Start Num: 49
Candidate Starts for Ligma_4:
(Start: 49 @2439 has 9 MA's), (90, 2550), (105, 2607), (118, 2676), (120, 2679), (136, 2763), (138, 2772), (143, 2808), (147, 2820), (199, 3171), (202, 3186), (229, 3378), (238, 3420), (248, 3498), (263, 3552), (266, 3561), (272, 3621), (279, 3642), (280, 3645), (287, 3702), (301, 3777), (348, 3972), (351, 3984), (353, 3990), (356, 3996), (358, 4008), (361, 4017), (368, 4053), (393, 4131), (401, 4149),

Gene: LilHam_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for LilHam_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (142, 761), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (207, 1139), (208, 1142), (220, 1226), (223, 1247), (224, 1262), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (370, 1994),

Gene: LilMcDreamy_6 Start: 4326, Stop: 6113, Start Num: 57
Candidate Starts for LilMcDreamy_6:
(Start: 57 @4326 has 10 MA's), (65, 4350), (68, 4356), (102, 4479), (135, 4644), (138, 4656), (146, 4701), (166, 4803), (169, 4824), (171, 4833), (182, 4929), (190, 4983), (194, 5007), (195, 5010), (201, 5067), (211, 5145), (214, 5166), (222, 5202), (229, 5262), (233, 5283), (236, 5301), (237, 5304), (280, 5544), (287, 5601), (292, 5619), (296, 5640), (306, 5700), (310, 5715), (314, 5739), (336, 5826), (353, 5898), (365, 5952), (384, 6006), (395, 6066), (401, 6090),

Gene: LilSmirk_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for LilSmirk_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Lilbeanie_2 Start: 584, Stop: 2185, Start Num: 82
Candidate Starts for Lilbeanie_2:
(Start: 82 @584 has 27 MA's), (104, 665), (109, 686), (122, 755), (125, 776), (129, 800), (139, 848), (140, 860), (150, 899), (158, 950), (162, 968), (165, 980), (182, 1067), (187, 1109), (198, 1181), (200, 1202), (208, 1247), (209, 1271), (218, 1325), (219, 1328), (220, 1331), (223, 1352), (225, 1376), (227, 1391), (235, 1448), (252, 1565), (281, 1694), (283, 1718), (289, 1754), (295, 1784), (303, 1829), (327, 1907), (364, 2060), (366, 2069), (367, 2072),

Gene: LittleMunchkin_6 Start: 3931, Stop: 5658, Start Num: 58
Candidate Starts for LittleMunchkin_6:

(Start: 58 @3931 has 1 MA's), (105, 4093), (118, 4162), (136, 4249), (137, 4252), (138, 4258), (143, 4294), (144, 4297), (185, 4558), (199, 4657), (202, 4672), (229, 4864), (248, 4984), (256, 5020), (267, 5050), (269, 5077), (271, 5098), (272, 5107), (279, 5128), (282, 5155), (296, 5227), (299, 5257), (301, 5263), (326, 5371), (347, 5455), (348, 5458), (351, 5470), (358, 5494), (361, 5503), (365, 5530), (368, 5539), (401, 5635),

Gene: LizLemon_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for LizLemon_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Lolalove_5 Start: 3455, Stop: 5203, Start Num: 48
Candidate Starts for Lolalove_5:
(Start: 48 @3455 has 22 MA's), (76, 3515), (102, 3605), (113, 3644), (114, 3674), (119, 3686), (125, 3722), (129, 3746), (137, 3779), (138, 3785), (147, 3833), (159, 3902), (175, 3977), (180, 4037), (186, 4094), (194, 4136), (195, 4139), (200, 4193), (209, 4262), (229, 4391), (242, 4451), (255, 4541), (263, 4565), (266, 4574), (272, 4634), (279, 4661), (282, 4688), (287, 4721), (293, 4751), (296, 4760), (299, 4790), (301, 4796), (302, 4799), (310, 4835), (317, 4871), (336, 4946), (348, 5000), (353, 5018), (362, 5048), (365, 5072), (376, 5105), (378, 5111), (384, 5126), (401, 5177),

Gene: Longacauda_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Longacauda_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Lopsy_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Lopsy_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (76, 633), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: LostAndPhound_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for LostAndPhound_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Love_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Love_2:
(Start: 91 @514 has 34 MA's), (93, 520), (114, 622), (122, 652), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (260, 1489), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338,

1864), (342, 1879), (364, 1978), (381, 2026),

Gene: LuckyMarjie_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for LuckyMarjie_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Lulumae_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Lulumae_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Lulwa_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Lulwa_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Lumine_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Lumine_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: MRabcd_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for MRabcd_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Mag7_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mag7_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Magic8_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Magic8_2:

(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Magpie_5 Start: 3455, Stop: 5203, Start Num: 48
Candidate Starts for Magpie_5:
(Start: 48 @3455 has 22 MA's), (102, 3605), (113, 3644), (114, 3674), (119, 3686), (125, 3722), (129, 3746), (137, 3779), (138, 3785), (143, 3821), (159, 3902), (175, 3977), (180, 4037), (186, 4094), (194, 4136), (195, 4139), (200, 4193), (209, 4262), (211, 4274), (229, 4391), (242, 4451), (263, 4565), (266, 4574), (272, 4634), (279, 4661), (282, 4688), (287, 4721), (293, 4751), (296, 4760), (299, 4790), (301, 4796), (302, 4799), (310, 4835), (317, 4871), (336, 4946), (348, 5000), (353, 5018), (362, 5048), (365, 5072), (376, 5105), (378, 5111), (384, 5126), (401, 5177),

Gene: MakoManhole_6 Start: 3931, Stop: 5652, Start Num: 55
Candidate Starts for MakoManhole_6:
(31, 3829), (Start: 55 @3931 has 6 MA's), (63, 3949), (Start: 83 @4012 has 1 MA's), (105, 4090), (121, 4168), (124, 4189), (136, 4246), (138, 4255), (141, 4282), (143, 4291), (147, 4303), (160, 4381), (180, 4507), (185, 4555), (198, 4642), (199, 4654), (200, 4663), (202, 4669), (205, 4699), (215, 4771), (222, 4801), (229, 4861), (296, 5224), (301, 5260), (311, 5311), (322, 5353), (336, 5401), (358, 5491), (365, 5527), (393, 5614), (401, 5632),

Gene: Mana_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mana_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Manad_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Manad_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Mao1_2 Start: 207, Stop: 1727, Start Num: 95
Candidate Starts for Mao1_2:
(Start: 95 @207 has 4 MA's), (103, 222), (106, 234), (123, 318), (129, 363), (136, 390), (148, 453), (149, 456), (155, 486), (162, 528), (166, 540), (181, 630), (189, 681), (192, 696), (201, 768), (206, 804), (207, 807), (208, 810), (211, 846), (212, 849), (223, 894), (227, 921), (228, 939), (229, 945), (230, 948), (231, 957), (240, 987), (245, 1023), (246, 1029), (247, 1035), (253, 1077), (255, 1092), (263, 1116), (266, 1125), (267, 1128), (271, 1176), (277, 1203), (281, 1212), (283, 1236), (287, 1266), (292, 1284), (296, 1305), (301, 1341), (302, 1344), (304, 1356), (307, 1368), (312, 1401), (321, 1434), (325, 1446), (330, 1464), (333, 1476), (335, 1482), (339, 1497), (357, 1569), (360, 1578), (361, 1581), (364, 1602), (390, 1677), (393, 1689), (396, 1698),

Gene: Mariokart_4 Start: 2433, Stop: 4175, Start Num: 49
Candidate Starts for Mariokart_4:

(33, 2358), (Start: 49 @2433 has 9 MA's), (87, 2544), (90, 2553), (105, 2610), (118, 2679), (120, 2682), (136, 2766), (138, 2775), (143, 2811), (147, 2823), (185, 3075), (199, 3174), (200, 3183), (202, 3189), (229, 3381), (248, 3501), (266, 3564), (279, 3645), (280, 3648), (299, 3774), (301, 3780), (326, 3888), (348, 3975), (351, 3987), (353, 3993), (356, 3999), (358, 4011), (361, 4020), (365, 4047), (368, 4056), (401, 4152),

Gene: Marlia_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Marlia_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (207, 3512), (209, 3539), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Maru_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Maru_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Mask_2 Start: 207, Stop: 1727, Start Num: 95
Candidate Starts for Mask_2:
(Start: 95 @207 has 4 MA's), (103, 222), (106, 234), (123, 318), (129, 363), (136, 390), (148, 453), (149, 456), (155, 486), (162, 528), (166, 540), (181, 630), (189, 681), (192, 696), (201, 768), (206, 804), (207, 807), (208, 810), (211, 846), (212, 849), (223, 894), (227, 921), (228, 939), (229, 945), (230, 948), (231, 957), (240, 987), (245, 1023), (246, 1029), (247, 1035), (249, 1062), (253, 1077), (255, 1092), (263, 1116), (266, 1125), (267, 1128), (271, 1176), (277, 1203), (281, 1212), (283, 1236), (287, 1266), (292, 1284), (296, 1305), (301, 1341), (302, 1344), (304, 1356), (307, 1368), (312, 1401), (321, 1434), (325, 1446), (330, 1464), (333, 1476), (335, 1482), (339, 1497), (357, 1569), (360, 1578), (361, 1581), (364, 1602), (390, 1677), (393, 1689), (396, 1698),

Gene: Maskar_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Maskar_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: MasterPo_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for MasterPo_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Matalotodo_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Matalotodo_2:

(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: McKinley_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for McKinley_2:
(Start: 91 @514 has 34 MA's), (93, 520), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (260, 1489), (262, 1501), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996), (381, 2026), (397, 2086),

Gene: Mcshane_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mcshane_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Mecca_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mecca_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (214, 1413), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Megabear_2 Start: 348, Stop: 1952, Start Num: 78
Candidate Starts for Megabear_2:
(Start: 78 @348 has 8 MA's), (101, 426), (105, 438), (136, 594), (138, 603), (146, 648), (153, 687), (154, 690), (169, 771), (182, 876), (194, 954), (197, 978), (198, 990), (223, 1158), (226, 1176), (242, 1263), (244, 1275), (256, 1359), (263, 1380), (266, 1389), (267, 1392), (268, 1398), (273, 1452), (279, 1470), (281, 1476), (283, 1500), (287, 1530), (301, 1605), (313, 1656), (330, 1719), (333, 1731), (357, 1824), (360, 1833), (362, 1839), (364, 1857), (379, 1902), (385, 1923), (386, 1932), (388, 1944), (389, 1947),

Gene: Megamind20_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Megamind20_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Megatron_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Megatron_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380,

2238), (384, 2250), (401, 2328),

Gene: MelBins_2 Start: 534, Stop: 2189, Start Num: 88
Candidate Starts for MelBins_2:
(Start: 88 @534 has 7 MA's), (114, 657), (116, 663), (122, 687), (125, 708), (129, 732), (132, 741), (136, 759), (137, 762), (142, 798), (150, 831), (154, 855), (162, 900), (182, 999), (187, 1041), (188, 1047), (197, 1101), (198, 1113), (200, 1134), (205, 1170), (206, 1173), (208, 1179), (217, 1251), (220, 1263), (223, 1284), (225, 1308), (241, 1446), (245, 1473), (282, 1692), (289, 1731), (295, 1761), (297, 1788), (301, 1800), (303, 1806), (320, 1887), (329, 1920), (331, 1923), (364, 2064), (370, 2082), (373, 2094), (381, 2112), (394, 2163),

Gene: Melc17_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Melc17_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: MelsMeow_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for MelsMeow_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Mesh1_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mesh1_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Mesmerelda_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mesmerelda_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: MichaelPhcott_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for MichaelPhcott_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Mikota_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mikota_2:

(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (299, 1914), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: MiniBoss_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for MiniBoss_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: MitKao_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for MitKao_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Mithril_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for Mithril_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (143, 3824), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (211, 4277), (229, 4394), (230, 4397), (242, 4454), (263, 4568), (266, 4577), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: MmasiCarm_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for MmasiCarm_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: MoontowerMania_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for MoontowerMania_2:
(Start: 91 @514 has 34 MA's), (93, 520), (114, 622), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (165, 877), (187, 1006), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (260, 1489), (266, 1513), (281, 1606), (284, 1639), (286, 1657), (297, 1723), (300, 1732), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (366, 1987), (381, 2026), (397, 2086),

Gene: Morgushi_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Morgushi_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266,

1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Morty_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Morty_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Mosaic_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mosaic_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: MossRose_6 Start: 3931, Stop: 5652, Start Num: 55
Candidate Starts for MossRose_6:
(31, 3829), (Start: 55 @3931 has 6 MA's), (63, 3949), (Start: 83 @4012 has 1 MA's), (105, 4090), (121, 4168), (124, 4189), (136, 4246), (138, 4255), (141, 4282), (143, 4291), (147, 4303), (160, 4381), (180, 4507), (185, 4555), (198, 4642), (199, 4654), (200, 4663), (202, 4669), (205, 4699), (206, 4702), (215, 4771), (222, 4801), (229, 4861), (296, 5224), (301, 5260), (311, 5311), (322, 5353), (336, 5401), (358, 5491), (365, 5527), (393, 5614), (401, 5632),

Gene: MrPhizzler_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for MrPhizzler_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Mudslide_5 Start: 3455, Stop: 5203, Start Num: 48
Candidate Starts for Mudslide_5:
(Start: 48 @3455 has 22 MA's), (76, 3515), (102, 3605), (113, 3644), (114, 3674), (119, 3686), (125, 3722), (129, 3746), (137, 3779), (138, 3785), (143, 3821), (159, 3902), (175, 3977), (180, 4037), (186, 4094), (194, 4136), (195, 4139), (200, 4193), (209, 4262), (211, 4274), (229, 4391), (230, 4394), (242, 4451), (263, 4565), (266, 4574), (279, 4661), (282, 4688), (287, 4721), (293, 4751), (296, 4760), (299, 4790), (301, 4796), (302, 4799), (310, 4835), (317, 4871), (336, 4946), (348, 5000), (353, 5018), (362, 5048), (365, 5072), (376, 5105), (378, 5111), (384, 5126), (401, 5177),

Gene: Mulan_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mulan_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Murdoc_2 Start: 564, Stop: 2351, Start Num: 56

Candidate Starts for Murdoc_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Mutante_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Mutante_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Mutzi_5 Start: 1791, Stop: 3395, Start Num: 82
Candidate Starts for Mutzi_5:
(Start: 82 @1791 has 27 MA's), (94, 1839), (122, 1962), (136, 2034), (145, 2085), (150, 2106), (152, 2124), (167, 2193), (182, 2274), (184, 2289), (187, 2316), (193, 2343), (197, 2376), (200, 2409), (205, 2445), (208, 2454), (249, 2757), (276, 2877), (277, 2883), (283, 2925), (289, 2961), (296, 2994), (297, 3018), (318, 3087), (320, 3096), (324, 3108), (349, 3207), (354, 3225), (364, 3273), (373, 3303), (381, 3321),

Gene: Mysterious_6 Start: 3862, Stop: 5622, Start Num: 57
Candidate Starts for Mysterious_6:
(Start: 57 @3862 has 10 MA's), (68, 3892), (92, 3982), (102, 4015), (131, 4159), (138, 4192), (143, 4228), (146, 4237), (166, 4339), (168, 4357), (175, 4384), (194, 4543), (195, 4546), (201, 4603), (209, 4669), (211, 4681), (221, 4732), (229, 4798), (233, 4819), (236, 4837), (250, 4939), (280, 5080), (287, 5137), (292, 5155), (296, 5176), (306, 5236), (309, 5248), (314, 5275), (317, 5287), (336, 5362), (343, 5392), (351, 5428), (353, 5434), (365, 5488), (384, 5542),

Gene: NHagos_4 Start: 2460, Stop: 4139, Start Num: 72
Candidate Starts for NHagos_4:
(Start: 72 @2460 has 1 MA's), (Start: 91 @2529 has 34 MA's), (123, 2664), (124, 2676), (128, 2697), (136, 2733), (137, 2736), (138, 2742), (141, 2769), (143, 2778), (173, 2928), (183, 3018), (198, 3129), (199, 3141), (200, 3150), (202, 3156), (222, 3288), (228, 3342), (229, 3348), (246, 3438), (279, 3612), (280, 3615), (296, 3711), (301, 3747), (308, 3777), (336, 3888), (347, 3939), (353, 3960), (359, 3981), (376, 4047), (384, 4068), (385, 4074),

Gene: Nacho_002 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Nacho_002:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Nanao_4 Start: 2364, Stop: 4109, Start Num: 43
Candidate Starts for Nanao_4:
(Start: 43 @2364 has 2 MA's), (76, 2424), (102, 2514), (113, 2553), (114, 2583), (119, 2595), (125, 2631), (129, 2655), (137, 2688), (138, 2694), (143, 2730), (159, 2811), (175, 2886), (180, 2946), (186, 3003), (194, 3045), (195, 3048), (200, 3102), (209, 3171), (211, 3183), (213, 3201), (229, 3300), (230, 3303), (242, 3360), (255, 3450), (263, 3474), (266, 3483), (272, 3543), (282, 3597), (287, 3630), (293,

3660), (296, 3669), (299, 3699), (301, 3705), (302, 3708), (317, 3780), (336, 3855), (348, 3909), (353, 3927), (362, 3957), (376, 4014), (378, 4020), (384, 4035), (401, 4086),

Gene: Nangang_6 Start: 3572, Stop: 5338, Start Num: 57
Candidate Starts for Nangang_6:
(16, 3338), (17, 3347), (19, 3359), (28, 3431), (42, 3536), (Start: 57 @3572 has 10 MA's), (68, 3599), (97, 3713), (102, 3722), (138, 3899), (163, 4037), (164, 4040), (168, 4064), (171, 4076), (175, 4091), (188, 4220), (194, 4250), (195, 4253), (201, 4310), (202, 4313), (203, 4322), (209, 4376), (211, 4388), (229, 4505), (233, 4526), (255, 4670), (292, 4862), (296, 4883), (306, 4943), (309, 4955), (320, 5009), (336, 5069), (343, 5099), (347, 5120), (351, 5135), (353, 5141), (365, 5195), (384, 5249),

Gene: Nathan_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Nathan_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Nehemiah_5 Start: 3862, Stop: 5622, Start Num: 57
Candidate Starts for Nehemiah_5:
(Start: 57 @3862 has 10 MA's), (68, 3892), (92, 3982), (102, 4015), (131, 4159), (138, 4192), (143, 4228), (146, 4237), (166, 4339), (168, 4357), (175, 4384), (194, 4543), (195, 4546), (201, 4603), (209, 4669), (211, 4681), (221, 4732), (229, 4798), (233, 4819), (236, 4837), (250, 4939), (280, 5080), (287, 5137), (292, 5155), (296, 5176), (306, 5236), (309, 5248), (314, 5275), (317, 5287), (336, 5362), (343, 5392), (351, 5428), (353, 5434), (365, 5488), (384, 5542),

Gene: Newman_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Newman_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Nicole21_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Nicole21_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Nigel_4 Start: 2375, Stop: 4129, Start Num: 48
Candidate Starts for Nigel_4:
(26, 2258), (30, 2276), (Start: 48 @2375 has 22 MA's), (76, 2444), (102, 2534), (113, 2573), (114, 2603), (119, 2615), (125, 2651), (129, 2675), (137, 2708), (138, 2714), (143, 2750), (154, 2801), (159, 2831), (175, 2906), (180, 2966), (186, 3023), (194, 3065), (195, 3068), (200, 3122), (211, 3203), (229, 3320), (230, 3323), (242, 3380), (263, 3494), (278, 3581), (282, 3617), (287, 3650), (293, 3680), (296, 3689), (299, 3719), (301, 3725), (302, 3728), (317, 3800), (336, 3875), (348, 3929), (362, 3977), (376, 4034), (378, 4040), (384, 4055), (401, 4106),

Gene: Nubi_5 Start: 1791, Stop: 3395, Start Num: 82

Candidate Starts for Nubi_5:
(Start: 82 @1791 has 27 MA's), (94, 1839), (122, 1962), (136, 2034), (145, 2085), (150, 2106), (152, 2124), (167, 2193), (182, 2274), (184, 2289), (187, 2316), (193, 2343), (197, 2376), (200, 2409), (205, 2445), (208, 2454), (249, 2757), (276, 2877), (277, 2883), (283, 2925), (289, 2961), (296, 2994), (297, 3018), (318, 3087), (320, 3096), (324, 3108), (349, 3207), (354, 3225), (364, 3273), (373, 3303), (381, 3321),

Gene: Numberten_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Numberten_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Nyala_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Nyala_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: OSmaximus_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for OSmaximus_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Obutu_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Obutu_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (207, 3512), (209, 3539), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Olak_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Olak_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Oline_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Oline_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266,

1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Olive_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Olive_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: OliverWalter_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for OliverWalter_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Olivio_5 Start: 2562, Stop: 4322, Start Num: 45
Candidate Starts for Olivio_5:
(3, 2088), (6, 2121), (8, 2187), (15, 2283), (Start: 38 @2544 has 4 MA's), (Start: 45 @2562 has 27 MA's), (53, 2580), (81, 2661), (129, 2874), (137, 2904), (138, 2910), (141, 2937), (151, 2973), (166, 3057), (182, 3183), (194, 3261), (200, 3318), (204, 3351), (223, 3465), (229, 3519), (250, 3639), (254, 3660), (272, 3756), (283, 3807), (287, 3837), (288, 3840), (301, 3912), (317, 3987), (324, 4014), (326, 4023), (341, 4074), (347, 4107), (351, 4122), (356, 4134), (370, 4194), (383, 4233), (384, 4236), (401, 4287),

Gene: Omniscient_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Omniscient_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Oosterbaan_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Oosterbaan_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Opia_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Opia_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: OrangeOswald_6 Start: 2714, Stop: 4474, Start Num: 45

Candidate Starts for OrangeOswald_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (296, 4028), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (365, 4334), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Orfeu_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Orfeu_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Orion_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Orion_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Orwigg_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Orwigg_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: PG1_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for PG1_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: PR_02 Start: 348, Stop: 1952, Start Num: 78
Candidate Starts for PR_02:
(Start: 78 @348 has 8 MA's), (101, 426), (105, 438), (136, 594), (138, 603), (146, 648), (153, 687), (154, 690), (169, 771), (182, 876), (194, 954), (197, 978), (198, 990), (223, 1158), (226, 1176), (242, 1263), (244, 1275), (256, 1359), (263, 1380), (266, 1389), (267, 1392), (268, 1398), (273, 1452), (279, 1470), (281, 1476), (283, 1500), (287, 1530), (301, 1605), (313, 1656), (330, 1719), (333, 1731), (357, 1824), (360, 1833), (362, 1839), (364, 1857), (379, 1902), (385, 1923), (386, 1932), (388, 1944), (389, 1947),

Gene: Pacifista_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Pacifista_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194,

1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Paries_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Paries_2:
(Start: 91 @514 has 34 MA's), (93, 520), (136, 724), (142, 763), (143, 769), (148, 790), (162, 865), (165, 877), (187, 1006), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (260, 1489), (262, 1501), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (381, 2026),

Gene: PenguinLover67_8 Start: 4582, Stop: 6324, Start Num: 59
Candidate Starts for PenguinLover67_8:
(Start: 59 @4582 has 1 MA's), (67, 4606), (74, 4627), (76, 4636), (81, 4654), (102, 4726), (109, 4753), (129, 4867), (136, 4897), (138, 4906), (162, 5038), (168, 5071), (180, 5158), (194, 5257), (195, 5260), (200, 5314), (204, 5347), (209, 5383), (211, 5395), (229, 5512), (267, 5698), (268, 5704), (272, 5755), (279, 5785), (287, 5845), (301, 5920), (310, 5959), (314, 5983), (336, 6070), (348, 6124), (353, 6142), (365, 6196), (370, 6208), (376, 6229), (401, 6304),

Gene: Phaedrus_5 Start: 2603, Stop: 4363, Start Num: 45
Candidate Starts for Phaedrus_5:
(3, 2129), (6, 2162), (8, 2228), (15, 2324), (Start: 38 @2585 has 4 MA's), (Start: 45 @2603 has 27 MA's), (53, 2621), (81, 2702), (129, 2915), (137, 2945), (138, 2951), (141, 2978), (151, 3014), (166, 3098), (182, 3224), (194, 3302), (200, 3359), (204, 3392), (223, 3506), (229, 3560), (250, 3680), (254, 3701), (272, 3797), (283, 3848), (287, 3878), (288, 3881), (301, 3953), (317, 4028), (324, 4055), (326, 4064), (341, 4115), (347, 4148), (351, 4163), (356, 4175), (370, 4235), (383, 4274), (384, 4277), (401, 4328),

Gene: Phamished_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Phamished_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Phantasmagoria_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Phantasmagoria_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Phareon_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Phareon_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: PhatCats2014_2 Start: 564, Stop: 2351, Start Num: 56

Candidate Starts for PhatCats2014_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: PhatLouie_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for PhatLouie_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Phauci_2 Start: 534, Stop: 2189, Start Num: 88
Candidate Starts for Phauci_2:
(Start: 88 @534 has 7 MA's), (114, 657), (116, 663), (122, 687), (125, 708), (129, 732), (132, 741), (136, 759), (137, 762), (150, 831), (154, 855), (162, 900), (170, 939), (182, 999), (187, 1041), (188, 1047), (197, 1101), (198, 1113), (200, 1134), (205, 1170), (208, 1179), (217, 1251), (220, 1263), (223, 1284), (225, 1308), (241, 1446), (245, 1473), (282, 1692), (284, 1704), (289, 1731), (295, 1761), (297, 1788), (303, 1806), (320, 1887), (329, 1920), (331, 1923), (338, 1950), (364, 2064), (370, 2082), (373, 2094), (381, 2112), (394, 2163),

Gene: Phayeta_5 Start: 2562, Stop: 4322, Start Num: 45
Candidate Starts for Phayeta_5:
(3, 2088), (6, 2121), (8, 2187), (15, 2283), (Start: 38 @2544 has 4 MA's), (Start: 45 @2562 has 27 MA's), (53, 2580), (81, 2661), (129, 2874), (137, 2904), (138, 2910), (141, 2937), (151, 2973), (166, 3057), (182, 3183), (194, 3261), (200, 3318), (204, 3351), (223, 3465), (229, 3519), (250, 3639), (254, 3660), (272, 3756), (283, 3807), (287, 3837), (288, 3840), (301, 3912), (317, 3987), (324, 4014), (326, 4023), (341, 4074), (347, 4107), (351, 4122), (356, 4134), (370, 4194), (383, 4233), (384, 4236), (401, 4287),

Gene: Phelemich_6 Start: 3862, Stop: 5625, Start Num: 57
Candidate Starts for Phelemich_6:
(Start: 57 @3862 has 10 MA's), (68, 3892), (92, 3982), (102, 4015), (131, 4159), (138, 4192), (143, 4228), (146, 4237), (166, 4339), (168, 4357), (175, 4384), (194, 4543), (195, 4546), (201, 4603), (209, 4669), (211, 4681), (221, 4732), (229, 4798), (233, 4819), (236, 4837), (250, 4939), (280, 5080), (287, 5137), (292, 5155), (296, 5176), (306, 5236), (309, 5248), (314, 5275), (317, 5287), (336, 5362), (343, 5392), (351, 5428), (353, 5434), (365, 5488), (384, 5542),

Gene: PhenghisKhan_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for PhenghisKhan_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Pherdinand_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Pherdinand_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189,

1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Phergie_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Phergie_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Philly_5 Start: 2603, Stop: 4363, Start Num: 45
Candidate Starts for Philly_5:
(3, 2129), (6, 2162), (8, 2228), (15, 2324), (Start: 38 @2585 has 4 MA's), (Start: 45 @2603 has 27 MA's), (53, 2621), (81, 2702), (129, 2915), (137, 2945), (138, 2951), (141, 2978), (151, 3014), (166, 3098), (182, 3224), (194, 3302), (200, 3359), (204, 3392), (223, 3506), (229, 3560), (250, 3680), (254, 3701), (272, 3797), (283, 3848), (287, 3878), (288, 3881), (301, 3953), (314, 4016), (317, 4028), (324, 4055), (326, 4064), (341, 4115), (347, 4148), (351, 4163), (356, 4175), (370, 4235), (383, 4274), (384, 4277), (401, 4328),

Gene: Phinally_2 Start: 534, Stop: 2189, Start Num: 88
Candidate Starts for Phinally_2:
(Start: 88 @534 has 7 MA's), (114, 657), (116, 663), (122, 687), (125, 708), (129, 732), (132, 741), (136, 759), (137, 762), (142, 798), (150, 831), (154, 855), (162, 900), (170, 939), (182, 999), (187, 1041), (188, 1047), (197, 1101), (198, 1113), (200, 1134), (205, 1170), (208, 1179), (217, 1251), (220, 1263), (223, 1284), (225, 1308), (241, 1446), (245, 1473), (282, 1692), (289, 1731), (295, 1761), (297, 1788), (301, 1800), (303, 1806), (320, 1887), (329, 1920), (331, 1923), (364, 2064), (370, 2082), (373, 2094), (381, 2112), (394, 2163),

Gene: Phipps_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Phipps_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Phleuron_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Phleuron_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Phlop_5 Start: 1770, Stop: 3377, Start Num: 82
Candidate Starts for Phlop_5:
(39, 1671), (Start: 82 @1770 has 27 MA's), (94, 1818), (136, 2016), (142, 2055), (150, 2088), (156, 2127), (157, 2133), (167, 2175), (182, 2256), (187, 2298), (190, 2310), (200, 2391), (205, 2427), (208, 2436), (223, 2541), (245, 2700), (266, 2799), (277, 2865), (283, 2907), (296, 2976), (297, 3000), (318, 3069), (320, 3078), (324, 3090), (346, 3180), (354, 3207), (364, 3255), (381, 3303),

Gene: PhrankReynolds_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for PhrankReynolds_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: PhrodoBaggins_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for PhrodoBaggins_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Phunky_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Phunky_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Piglet_002 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Piglet_002:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Pine5_01 Start: 15, Stop: 1676, Start Num: 62
Candidate Starts for Pine5_01:
(62, 15), (Start: 79 @75 has 3 MA's), (115, 222), (128, 282), (138, 327), (162, 459), (169, 495), (173, 513), (178, 564), (194, 678), (200, 735), (202, 741), (229, 933), (270, 1161), (279, 1194), (293, 1284), (306, 1353), (336, 1410), (348, 1464), (356, 1488), (358, 1500), (365, 1536), (400, 1647), (404, 1671),

Gene: PinheadLarry_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for PinheadLarry_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: PinkCoffee_5 Start: 1800, Stop: 3404, Start Num: 82
Candidate Starts for PinkCoffee_5:
(Start: 82 @1800 has 27 MA's), (94, 1848), (122, 1971), (136, 2043), (145, 2094), (150, 2115), (152, 2133), (167, 2202), (182, 2283), (184, 2298), (187, 2325), (193, 2352), (197, 2385), (200, 2418), (205, 2454), (208, 2463), (277, 2892), (283, 2934), (289, 2970), (296, 3003), (297, 3027), (318, 3096), (320, 3105), (324, 3117), (354, 3234), (363, 3270), (364, 3282), (381, 3330),

Gene: Pinkman_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Pinkman_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Pipsqueak_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Pipsqueak_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Placalicious_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Placalicious_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Plata_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Plata_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Plmatters_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Plmatters_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Podrick_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Podrick_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Pops_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Pops_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266,

1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Portcullis_5 Start: 1815, Stop: 3422, Start Num: 82
Candidate Starts for Portcullis_5:
(1, 1137), (5, 1260), (9, 1365), (10, 1368), (14, 1437), (Start: 80 @1809 has 1 MA's), (Start: 82 @1815 has 27 MA's), (94, 1863), (136, 2061), (142, 2100), (150, 2133), (156, 2172), (157, 2178), (167, 2220), (182, 2301), (187, 2343), (190, 2355), (200, 2436), (208, 2481), (223, 2586), (245, 2745), (266, 2844), (277, 2910), (283, 2952), (295, 3018), (296, 3021), (297, 3045), (318, 3114), (320, 3123), (324, 3135), (346, 3225), (354, 3252), (363, 3288), (364, 3300), (373, 3330), (381, 3348),

Gene: Poster_4 Start: 2364, Stop: 4109, Start Num: 43
Candidate Starts for Poster_4:
(Start: 43 @2364 has 2 MA's), (76, 2424), (102, 2514), (113, 2553), (114, 2583), (119, 2595), (125, 2631), (129, 2655), (137, 2688), (138, 2694), (143, 2730), (159, 2811), (175, 2886), (180, 2946), (186, 3003), (194, 3045), (195, 3048), (200, 3102), (209, 3171), (211, 3183), (213, 3201), (229, 3300), (230, 3303), (242, 3360), (255, 3450), (263, 3474), (266, 3483), (272, 3543), (282, 3597), (287, 3630), (293, 3660), (296, 3669), (299, 3699), (301, 3705), (302, 3708), (317, 3780), (336, 3855), (348, 3909), (353, 3927), (362, 3957), (376, 4014), (378, 4020), (384, 4035), (401, 4086),

Gene: Potter_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Potter_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Prickles_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Prickles_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (299, 1914), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Prince_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for Prince_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (147, 3836), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (229, 4394), (242, 4454), (255, 4544), (263, 4568), (266, 4577), (272, 4637), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: PrinceCharming_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for PrinceCharming_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: ProfessorX_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for ProfessorX_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Puhltonio_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Puhltonio_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: PullumCavea_5 Start: 1770, Stop: 3377, Start Num: 82
Candidate Starts for PullumCavea_5:
(39, 1671), (Start: 82 @1770 has 27 MA's), (94, 1818), (136, 2016), (142, 2055), (150, 2088), (156, 2127), (157, 2133), (167, 2175), (182, 2256), (187, 2298), (190, 2310), (200, 2391), (205, 2427), (208, 2436), (223, 2541), (245, 2700), (266, 2799), (277, 2865), (283, 2907), (296, 2976), (297, 3000), (318, 3069), (320, 3078), (324, 3090), (346, 3180), (354, 3207), (364, 3255), (381, 3303),

Gene: QueenBeane_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for QueenBeane_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Quesadilla_8 Start: 4606, Stop: 6360, Start Num: 50
Candidate Starts for Quesadilla_8:
(Start: 50 @4606 has 2 MA's), (67, 4642), (76, 4672), (81, 4690), (102, 4762), (109, 4789), (129, 4903), (136, 4933), (138, 4942), (162, 5074), (174, 5131), (180, 5194), (194, 5293), (195, 5296), (204, 5383), (211, 5431), (229, 5548), (263, 5722), (272, 5791), (301, 5956), (310, 5995), (336, 6106), (343, 6136), (348, 6160), (351, 6172), (353, 6178), (365, 6232), (376, 6265), (401, 6340),

Gene: Quisquiliae_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Quisquiliae_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Qyrzula_7 Start: 4314, Stop: 6014, Start Num: 71
Candidate Starts for Qyrzula_7:
(Start: 71 @4314 has 6 MA's), (Start: 73 @4320 has 28 MA's), (118, 4500), (133, 4581), (141, 4632), (143, 4641), (148, 4662), (168, 4770), (171, 4782), (194, 4956), (198, 4992), (199, 5004), (200, 5013), (211, 5094), (229, 5211), (230, 5214), (245, 5289), (248, 5325), (263, 5382), (283, 5502), (287, 5532), (292, 5550), (296, 5571), (299, 5601), (301, 5607), (310, 5646), (317, 5682), (324, 5709), (336, 5751), (348, 5805), (353, 5823), (365, 5877), (387, 5949),

Gene: RagingRooster_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for RagingRooster_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (296, 4028), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: RawrgerThat_5 Start: 3455, Stop: 5203, Start Num: 48
Candidate Starts for RawrgerThat_5:
(Start: 48 @3455 has 22 MA's), (102, 3605), (113, 3644), (114, 3674), (119, 3686), (125, 3722), (137, 3779), (138, 3785), (147, 3833), (159, 3902), (175, 3977), (180, 4037), (186, 4094), (194, 4136), (195, 4139), (200, 4193), (211, 4274), (214, 4295), (229, 4391), (242, 4451), (263, 4565), (266, 4574), (272, 4634), (279, 4661), (282, 4688), (287, 4721), (293, 4751), (296, 4760), (299, 4790), (301, 4796), (302, 4799), (310, 4835), (317, 4871), (336, 4946), (348, 5000), (353, 5018), (362, 5048), (365, 5072), (376, 5105), (378, 5111), (384, 5126), (401, 5177),

Gene: RedMaple_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for RedMaple_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Reprobate_6 Start: 3859, Stop: 5622, Start Num: 57
Candidate Starts for Reprobate_6:
(Start: 57 @3859 has 10 MA's), (68, 3889), (92, 3979), (102, 4012), (131, 4156), (138, 4189), (143, 4225), (146, 4234), (166, 4336), (168, 4354), (175, 4381), (194, 4540), (195, 4543), (201, 4600), (209, 4666), (211, 4678), (221, 4729), (229, 4795), (233, 4816), (236, 4834), (250, 4936), (280, 5077), (287, 5134), (292, 5152), (296, 5173), (306, 5233), (309, 5245), (314, 5272), (317, 5284), (336, 5359), (343, 5389), (351, 5425), (353, 5431), (365, 5485), (384, 5539),

Gene: Rhinoforte_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for Rhinoforte_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (113, 4485), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Ribeye_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Ribeye_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (207, 1139), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: Rich_6 Start: 3584, Stop: 5350, Start Num: 57
Candidate Starts for Rich_6:

(16, 3350), (17, 3359), (19, 3371), (28, 3443), (42, 3548), (Start: 57 @3584 has 10 MA's), (68, 3611), (97, 3725), (102, 3734), (138, 3911), (164, 4052), (171, 4088), (173, 4097), (194, 4262), (195, 4265), (201, 4322), (202, 4325), (203, 4334), (209, 4388), (211, 4400), (229, 4517), (233, 4538), (255, 4682), (292, 4874), (296, 4895), (306, 4955), (309, 4967), (314, 4994), (320, 5021), (336, 5081), (343, 5111), (347, 5132), (351, 5147), (353, 5153), (365, 5207), (384, 5261),

Gene: Ricotta_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Ricotta_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Riggan_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Riggan_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Rimu_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Rimu_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Rinkes_9 Start: 5506, Stop: 7278, Start Num: 44
Candidate Starts for Rinkes_9:
(25, 5377), (Start: 44 @5506 has 2 MA's), (76, 5593), (81, 5611), (102, 5683), (105, 5695), (117, 5761), (129, 5824), (138, 5863), (143, 5899), (154, 5950), (159, 5980), (164, 6004), (168, 6028), (178, 6100), (180, 6115), (186, 6172), (189, 6187), (194, 6214), (198, 6250), (229, 6469), (230, 6472), (239, 6514), (242, 6529), (266, 6652), (268, 6661), (279, 6742), (296, 6841), (301, 6877), (302, 6880), (310, 6916), (316, 6943), (318, 6958), (336, 7027), (343, 7057), (351, 7093), (353, 7099), (358, 7117), (365, 7153), (375, 7183), (376, 7186), (384, 7207), (385, 7213), (401, 7258),

Gene: Rita130_6 Start: 3581, Stop: 5347, Start Num: 57
Candidate Starts for Rita130_6:
(16, 3347), (17, 3356), (19, 3368), (28, 3440), (42, 3545), (Start: 57 @3581 has 10 MA's), (65, 3602), (68, 3608), (97, 3722), (102, 3731), (138, 3908), (163, 4046), (164, 4049), (168, 4073), (171, 4085), (175, 4100), (194, 4259), (195, 4262), (201, 4319), (202, 4322), (203, 4331), (209, 4385), (211, 4397), (229, 4514), (233, 4535), (255, 4679), (292, 4871), (296, 4892), (306, 4952), (309, 4964), (314, 4991), (320, 5018), (336, 5078), (343, 5108), (347, 5129), (351, 5144), (353, 5150), (365, 5204), (384, 5258),

Gene: Rita1961_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Rita1961_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326,

4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: RiverRaider_2 Start: 511, Stop: 2103, Start Num: 91
Candidate Starts for RiverRaider_2:
(Start: 91 @511 has 34 MA's), (93, 517), (122, 649), (125, 670), (135, 718), (136, 721), (139, 742), (142, 760), (143, 766), (162, 862), (170, 901), (187, 1003), (196, 1057), (200, 1096), (205, 1132), (207, 1138), (208, 1141), (223, 1246), (241, 1378), (245, 1405), (247, 1417), (248, 1441), (265, 1507), (281, 1603), (282, 1624), (286, 1654), (289, 1663), (295, 1693), (297, 1720), (298, 1723), (300, 1729), (324, 1810), (327, 1822), (329, 1831), (338, 1861), (342, 1876), (364, 1975), (370, 1993),

Gene: Riverton_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Riverton_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: RoadKill_2 Start: 558, Stop: 2156, Start Num: 84
Candidate Starts for RoadKill_2:
(Start: 84 @558 has 7 MA's), (108, 642), (116, 690), (122, 714), (125, 735), (129, 759), (136, 786), (142, 825), (150, 858), (152, 876), (154, 882), (164, 936), (165, 939), (182, 1026), (187, 1068), (196, 1122), (198, 1140), (200, 1161), (208, 1206), (217, 1278), (220, 1290), (223, 1311), (231, 1386), (241, 1443), (243, 1452), (245, 1470), (247, 1482), (266, 1569), (282, 1683), (289, 1722), (297, 1779), (320, 1857), (364, 2034), (370, 2052), (382, 2085),

Gene: Robyn_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Robyn_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: RogerDodger_5 Start: 1815, Stop: 3422, Start Num: 82
Candidate Starts for RogerDodger_5:
(1, 1137), (5, 1260), (9, 1365), (10, 1368), (14, 1437), (Start: 80 @1809 has 1 MA's), (Start: 82 @1815 has 27 MA's), (94, 1863), (136, 2061), (142, 2100), (150, 2133), (156, 2172), (157, 2178), (167, 2220), (182, 2301), (187, 2343), (190, 2355), (200, 2436), (208, 2481), (223, 2586), (245, 2745), (247, 2757), (266, 2844), (277, 2910), (283, 2952), (296, 3021), (297, 3045), (318, 3114), (320, 3123), (324, 3135), (346, 3225), (354, 3252), (363, 3288), (364, 3300), (373, 3330), (381, 3348),

Gene: Roliet_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Roliet_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (299, 1914), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Roscoe_3 Start: 797, Stop: 2584, Start Num: 56
Candidate Starts for Roscoe_3:

(Start: 56 @797 has 267 MA's), (102, 956), (113, 995), (129, 1097), (138, 1136), (143, 1172), (162, 1268), (168, 1301), (180, 1388), (183, 1412), (186, 1445), (189, 1460), (194, 1487), (195, 1490), (200, 1544), (206, 1583), (211, 1625), (229, 1742), (230, 1745), (266, 1928), (272, 1988), (280, 2021), (293, 2108), (302, 2156), (336, 2303), (341, 2321), (365, 2429), (371, 2447), (380, 2471), (384, 2483), (401, 2561),

Gene: Rosebush_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for Rosebush_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Roy17_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Roy17_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: SDcharge11_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for SDcharge11_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Sabella_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Sabella_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: Saguaro_8 Start: 4765, Stop: 6495, Start Num: 61
Candidate Starts for Saguaro_8:
(Start: 61 @4765 has 2 MA's), (64, 4774), (67, 4780), (74, 4801), (76, 4810), (102, 4900), (109, 4927), (122, 4996), (129, 5041), (138, 5080), (143, 5116), (162, 5212), (168, 5245), (180, 5332), (194, 5431), (195, 5434), (200, 5488), (209, 5557), (211, 5569), (229, 5686), (238, 5728), (258, 5842), (263, 5860), (268, 5878), (272, 5929), (281, 5965), (287, 6019), (296, 6058), (302, 6097), (320, 6184), (336, 6244), (348, 6298), (353, 6316), (365, 6370), (376, 6403), (401, 6475),

Gene: Salvador_5 Start: 1653, Stop: 3257, Start Num: 82
Candidate Starts for Salvador_5:
(4, 1077), (13, 1248), (18, 1350), (21, 1365), (24, 1392), (77, 1635), (Start: 82 @1653 has 27 MA's), (94, 1701), (122, 1824), (136, 1896), (145, 1947), (150, 1968), (152, 1986), (167, 2055), (182, 2136), (184, 2151), (187, 2178), (193, 2205), (197, 2238), (200, 2271), (205, 2307), (208, 2316), (248, 2616), (276, 2739), (277, 2745), (283, 2787), (289, 2823), (296, 2856), (297, 2880), (318, 2949), (320, 2958), (324, 2970), (354, 3087), (364, 3135), (381, 3183),

Gene: Samaymay_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Samaymay_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Sanjuju_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Sanjuju_2:
(Start: 91 @514 has 34 MA's), (93, 520), (122, 652), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996), (381, 2026), (397, 2086),

Gene: Saronaya_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Saronaya_2:
(Start: 91 @512 has 34 MA's), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (208, 1142), (220, 1226), (223, 1247), (224, 1262), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: SassyCat97_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for SassyCat97_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Savbucketdawg_5 Start: 1785, Stop: 3392, Start Num: 82
Candidate Starts for Savbucketdawg_5:
(Start: 82 @1785 has 27 MA's), (94, 1833), (136, 2031), (142, 2070), (150, 2103), (156, 2142), (157, 2148), (167, 2190), (182, 2271), (187, 2313), (190, 2325), (200, 2406), (205, 2442), (208, 2451), (223, 2556), (245, 2715), (266, 2814), (277, 2880), (283, 2922), (295, 2988), (296, 2991), (297, 3015), (318, 3084), (320, 3093), (324, 3105), (354, 3222), (364, 3270), (381, 3318),

Gene: Schadenfreude_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Schadenfreude_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: SchottB_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for SchottB_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (142, 761), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (207, 1139), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406),

(247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (370, 1994),

Gene: Schueller_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Schueller_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Scoot17C_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Scoot17C_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Scrick_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Scrick_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Sejanus_2 Start: 207, Stop: 1727, Start Num: 95
Candidate Starts for Sejanus_2:
(Start: 95 @207 has 4 MA's), (103, 222), (106, 234), (123, 318), (129, 363), (136, 390), (148, 453), (149, 456), (155, 486), (162, 528), (166, 540), (181, 630), (189, 681), (192, 696), (201, 768), (206, 804), (207, 807), (208, 810), (211, 846), (212, 849), (223, 894), (227, 921), (228, 939), (229, 945), (230, 948), (231, 957), (240, 987), (245, 1023), (246, 1029), (247, 1035), (249, 1062), (253, 1077), (255, 1092), (263, 1116), (266, 1125), (267, 1128), (271, 1176), (277, 1203), (281, 1212), (283, 1236), (287, 1266), (292, 1284), (296, 1305), (301, 1341), (302, 1344), (304, 1356), (307, 1368), (312, 1401), (321, 1434), (325, 1446), (330, 1464), (333, 1476), (335, 1482), (339, 1497), (357, 1569), (360, 1578), (361, 1581), (364, 1602), (390, 1677), (393, 1689), (396, 1698),

Gene: Selr12_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Selr12_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Serendipitous_6 Start: 3647, Stop: 5404, Start Num: 57
Candidate Starts for Serendipitous_6:
(16, 3413), (17, 3422), (19, 3434), (28, 3506), (Start: 57 @3647 has 10 MA's), (65, 3668), (68, 3674), (97, 3788), (102, 3797), (138, 3974), (164, 4115), (168, 4139), (171, 4151), (173, 4160), (175, 4166), (194, 4325), (195, 4328), (201, 4385), (202, 4388), (209, 4451), (211, 4463), (214, 4484), (229, 4580), (233, 4601), (234, 4607), (255, 4745), (292, 4937), (296, 4958), (306, 5018), (309, 5030), (314, 5057), (320, 5084), (336, 5144), (343, 5174), (347, 5195), (351, 5210), (353, 5216), (365, 5270), (384, 5324),

Gene: Serendipity_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Serendipity_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Serpentine_002 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Serpentine_002:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Shatter_4 Start: 2439, Stop: 4172, Start Num: 49
Candidate Starts for Shatter_4:
(Start: 49 @2439 has 9 MA's), (90, 2550), (105, 2607), (118, 2676), (120, 2679), (136, 2763), (138, 2772), (143, 2808), (147, 2820), (199, 3171), (202, 3186), (229, 3378), (238, 3420), (248, 3498), (263, 3552), (266, 3561), (272, 3621), (279, 3642), (280, 3645), (287, 3702), (301, 3777), (348, 3972), (351, 3984), (353, 3990), (356, 3996), (358, 4008), (361, 4017), (368, 4053), (393, 4131), (401, 4149),

Gene: Sheila_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Sheila_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Shenandoah_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Shenandoah_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (207, 3512), (209, 3539), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (365, 4334), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Shenyu_6 Start: 3572, Stop: 5338, Start Num: 57
Candidate Starts for Shenyu_6:
(16, 3338), (17, 3347), (19, 3359), (28, 3431), (42, 3536), (Start: 57 @3572 has 10 MA's), (68, 3599), (97, 3713), (102, 3722), (138, 3899), (163, 4037), (164, 4040), (168, 4064), (171, 4076), (175, 4091), (188, 4220), (194, 4250), (195, 4253), (201, 4310), (202, 4313), (203, 4322), (209, 4376), (211, 4388), (229, 4505), (233, 4526), (255, 4670), (292, 4862), (296, 4883), (306, 4943), (309, 4955), (320, 5009), (336, 5069), (343, 5099), (347, 5120), (351, 5135), (353, 5141), (365, 5195), (384, 5249),

Gene: ShiVal_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for ShiVal_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194,

1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Shinji_5 Start: 1791, Stop: 3395, Start Num: 82
Candidate Starts for Shinji_5:
(Start: 82 @1791 has 27 MA's), (94, 1839), (122, 1962), (136, 2034), (145, 2085), (150, 2106), (152, 2124), (167, 2193), (182, 2274), (184, 2289), (187, 2316), (193, 2343), (197, 2376), (200, 2409), (205, 2445), (208, 2454), (249, 2757), (276, 2877), (277, 2883), (283, 2925), (289, 2961), (296, 2994), (297, 3018), (318, 3087), (320, 3096), (324, 3108), (349, 3207), (354, 3225), (364, 3273), (373, 3303), (381, 3321),

Gene: Shivanishola_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Shivanishola_2:
(Start: 91 @514 has 34 MA's), (122, 652), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (284, 1639), (286, 1657), (297, 1723), (300, 1732), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (370, 1996),

Gene: Sigman_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Sigman_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: SilverBell_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for SilverBell_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Simielle_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Simielle_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: SirBeauregard_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for SirBeauregard_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: SirJeffery_6 Start: 3581, Stop: 5347, Start Num: 57
Candidate Starts for SirJeffery_6:

(16, 3347), (17, 3356), (19, 3368), (28, 3440), (42, 3545), (Start: 57 @3581 has 10 MA's), (65, 3602), (68, 3608), (97, 3722), (102, 3731), (138, 3908), (163, 4046), (164, 4049), (168, 4073), (171, 4085), (175, 4100), (194, 4259), (195, 4262), (201, 4319), (202, 4322), (203, 4331), (209, 4385), (211, 4397), (229, 4514), (233, 4535), (255, 4679), (292, 4871), (296, 4892), (306, 4952), (309, 4964), (314, 4991), (320, 5018), (336, 5078), (343, 5108), (347, 5129), (351, 5144), (353, 5150), (365, 5204), (384, 5258),

Gene: Sisko_4 Start: 2448, Stop: 4187, Start Num: 49
Candidate Starts for Sisko_4:
(Start: 49 @2448 has 9 MA's), (105, 2625), (118, 2694), (136, 2781), (138, 2790), (143, 2826), (147, 2838), (180, 3042), (199, 3189), (202, 3204), (222, 3336), (229, 3396), (238, 3438), (248, 3516), (258, 3555), (263, 3567), (267, 3579), (280, 3660), (282, 3684), (287, 3717), (301, 3792), (305, 3810), (343, 3963), (351, 3999), (361, 4032), (365, 4059), (368, 4068), (385, 4119),

Gene: Sitar_2 Start: 515, Stop: 2107, Start Num: 91
Candidate Starts for Sitar_2:
(Start: 91 @515 has 34 MA's), (93, 521), (114, 623), (122, 653), (125, 674), (130, 701), (136, 725), (142, 764), (143, 770), (148, 791), (157, 842), (162, 866), (165, 878), (187, 1007), (198, 1079), (200, 1100), (205, 1136), (208, 1145), (220, 1229), (223, 1250), (241, 1382), (245, 1409), (247, 1421), (284, 1640), (286, 1658), (297, 1724), (300, 1733), (321, 1805), (327, 1826), (329, 1835), (338, 1865), (342, 1880), (364, 1979), (370, 1997), (381, 2027), (397, 2087),

Gene: Skippy_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Skippy_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Slatt_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Slatt_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: SmokingBunny_5 Start: 1653, Stop: 3257, Start Num: 82
Candidate Starts for SmokingBunny_5:
(4, 1077), (13, 1248), (18, 1350), (21, 1365), (24, 1392), (77, 1635), (Start: 82 @1653 has 27 MA's), (94, 1701), (122, 1824), (136, 1896), (145, 1947), (150, 1968), (152, 1986), (167, 2055), (182, 2136), (184, 2151), (187, 2178), (193, 2205), (197, 2238), (200, 2271), (205, 2307), (208, 2316), (248, 2616), (276, 2739), (277, 2745), (283, 2787), (289, 2823), (296, 2856), (297, 2880), (318, 2949), (320, 2958), (324, 2970), (354, 3087), (364, 3135), (381, 3183),

Gene: Soile_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Soile_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Solosis_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Solosis_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Soos_2 Start: 1099, Stop: 2844, Start Num: 79
Candidate Starts for Soos_2:
(69, 1063), (Start: 79 @1099 has 3 MA's), (Start: 83 @1108 has 1 MA's), (86, 1111), (92, 1138), (101, 1171), (135, 1336), (136, 1339), (138, 1348), (142, 1378), (169, 1516), (173, 1534), (191, 1678), (194, 1699), (198, 1735), (204, 1789), (221, 1894), (229, 1960), (230, 1963), (244, 2026), (247, 2050), (267, 2140), (279, 2218), (280, 2221), (283, 2248), (287, 2278), (292, 2296), (301, 2353), (315, 2419), (350, 2566), (385, 2689), (387, 2701), (391, 2722), (396, 2746), (402, 2773), (405, 2809), (407, 2821),

Gene: Sophia_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Sophia_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Soto_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Soto_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (299, 1914), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Sour_8 Start: 4287, Stop: 6029, Start Num: 46
Candidate Starts for Sour_8:
(Start: 46 @4287 has 2 MA's), (Start: 83 @4386 has 1 MA's), (105, 4464), (118, 4533), (136, 4620), (138, 4629), (143, 4665), (147, 4677), (180, 4881), (185, 4929), (196, 4998), (199, 5028), (202, 5043), (229, 5235), (238, 5277), (248, 5355), (272, 5478), (279, 5499), (301, 5634), (326, 5742), (347, 5826), (353, 5847), (358, 5865), (365, 5901), (370, 5913), (387, 5973), (401, 6006),

Gene: Spartan300_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Spartan300_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Squid_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Squid_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380,

2238), (384, 2250), (401, 2328),

Gene: Squiggle_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Squiggle_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: StAugustine_10 Start: 6095, Stop: 7816, Start Num: 70
Candidate Starts for StAugustine_10:
(Start: 70 @6095 has 1 MA's), (102, 6206), (136, 6374), (138, 6383), (162, 6515), (171, 6560), (180, 6635), (189, 6707), (194, 6734), (199, 6782), (223, 6938), (229, 6989), (256, 7127), (292, 7316), (296, 7337), (301, 7373), (310, 7412), (324, 7475), (376, 7682),

Gene: Sting_2 Start: 1096, Stop: 2841, Start Num: 79
Candidate Starts for Sting_2:
(Start: 79 @1096 has 3 MA's), (Start: 83 @1105 has 1 MA's), (86, 1108), (92, 1135), (101, 1168), (135, 1333), (136, 1336), (138, 1345), (142, 1375), (169, 1513), (173, 1531), (191, 1675), (194, 1696), (204, 1786), (221, 1891), (229, 1957), (244, 2023), (247, 2047), (267, 2137), (279, 2215), (280, 2218), (283, 2245), (287, 2275), (292, 2293), (301, 2350), (315, 2416), (385, 2686), (387, 2698), (391, 2719), (396, 2743), (402, 2770), (405, 2806), (407, 2818), (408, 2821),

Gene: Stinger_4 Start: 2363, Stop: 4120, Start Num: 46
Candidate Starts for Stinger_4:
(35, 2324), (Start: 46 @2363 has 2 MA's), (Start: 48 @2369 has 22 MA's), (102, 2525), (103, 2528), (113, 2564), (114, 2594), (119, 2606), (125, 2642), (129, 2666), (137, 2699), (138, 2705), (143, 2741), (154, 2792), (159, 2822), (180, 2957), (186, 3014), (194, 3056), (195, 3059), (198, 3092), (200, 3113), (211, 3194), (214, 3215), (229, 3311), (230, 3314), (242, 3371), (255, 3461), (263, 3485), (266, 3494), (278, 3572), (279, 3581), (282, 3608), (287, 3641), (288, 3644), (293, 3671), (296, 3680), (299, 3710), (301, 3716), (302, 3719), (317, 3791), (336, 3866), (348, 3920), (362, 3968), (376, 4025), (378, 4031), (384, 4046), (401, 4097),

Gene: StinkyVeggy_6 Start: 3572, Stop: 5335, Start Num: 57
Candidate Starts for StinkyVeggy_6:
(17, 3347), (19, 3359), (28, 3431), (42, 3536), (Start: 57 @3572 has 10 MA's), (68, 3599), (97, 3713), (102, 3722), (138, 3899), (163, 4037), (164, 4040), (168, 4064), (171, 4076), (175, 4091), (194, 4250), (195, 4253), (201, 4310), (202, 4313), (203, 4322), (209, 4376), (211, 4388), (229, 4505), (233, 4526), (255, 4670), (292, 4862), (296, 4883), (306, 4943), (309, 4955), (320, 5009), (340, 5084), (341, 5087), (343, 5099), (347, 5120), (351, 5135), (353, 5141), (365, 5195), (384, 5249),

Gene: StorminNorm_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for StorminNorm_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (208, 1142), (220, 1226), (223, 1247), (224, 1262), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: Struggle_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Struggle_2:

(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Stultus_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Stultus_2:
(Start: 91 @514 has 34 MA's), (93, 520), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (284, 1639), (286, 1657), (297, 1723), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (381, 2026), (397, 2086),

Gene: Suffolk_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Suffolk_2:
(22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Suigeneris_6 Start: 3581, Stop: 5347, Start Num: 57
Candidate Starts for Suigeneris_6:
(16, 3347), (17, 3356), (19, 3368), (28, 3440), (42, 3545), (Start: 57 @3581 has 10 MA's), (65, 3602), (68, 3608), (97, 3722), (102, 3731), (138, 3908), (163, 4046), (164, 4049), (168, 4073), (171, 4085), (175, 4100), (194, 4259), (195, 4262), (201, 4319), (202, 4322), (203, 4331), (209, 4385), (211, 4397), (229, 4514), (233, 4535), (255, 4679), (292, 4871), (296, 4892), (306, 4952), (309, 4964), (314, 4991), (320, 5018), (336, 5078), (343, 5108), (347, 5129), (351, 5144), (353, 5150), (365, 5204), (384, 5258),

Gene: Surely_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Surely_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: SwainyDoc_6 Start: 2714, Stop: 4471, Start Num: 45
Candidate Starts for SwainyDoc_6:
(Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2810), (129, 3023), (137, 3053), (138, 3059), (141, 3086), (151, 3122), (166, 3206), (182, 3332), (194, 3410), (200, 3467), (204, 3500), (223, 3614), (229, 3668), (250, 3788), (254, 3809), (272, 3905), (283, 3956), (287, 3986), (288, 3989), (301, 4061), (317, 4136), (324, 4163), (326, 4172), (341, 4223), (347, 4256), (351, 4271), (356, 4283), (370, 4343), (383, 4382), (384, 4385), (401, 4436),

Gene: Swiphy_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Swiphy_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Swish_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Swish_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: SynergyX_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for SynergyX_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (296, 4028), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: TA17A_7 Start: 4224, Stop: 5924, Start Num: 71
Candidate Starts for TA17A_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (103, 4332), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923), (211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: TPA2_09 Start: 3353, Stop: 5014, Start Num: 89
Candidate Starts for TPA2_09:
(89, 3353), (92, 3368), (96, 3392), (102, 3404), (138, 3584), (147, 3632), (151, 3647), (154, 3671), (160, 3710), (178, 3821), (183, 3860), (189, 3908), (201, 3995), (205, 4028), (206, 4031), (210, 4070), (212, 4076), (229, 4190), (245, 4274), (255, 4343), (264, 4376), (266, 4382), (279, 4463), (283, 4493), (296, 4562), (337, 4751), (343, 4778), (345, 4793), (355, 4823), (365, 4874), (370, 4886), (399, 4982),

Gene: TallGrassMM_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for TallGrassMM_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Tangerine_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Tangerine_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (157, 839), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: Taptic_2 Start: 348, Stop: 1952, Start Num: 78
Candidate Starts for Taptic_2:
(Start: 78 @348 has 8 MA's), (101, 426), (103, 429), (105, 438), (136, 594), (138, 603), (146, 648), (153, 687), (154, 690), (169, 771), (182, 876), (194, 954), (197, 978), (198, 990), (223, 1158), (226, 1176), (242, 1263), (244, 1275), (256, 1359), (263, 1380), (266, 1389), (267, 1392), (268, 1398), (273,

1452), (279, 1470), (281, 1476), (283, 1500), (287, 1530), (301, 1605), (313, 1656), (330, 1719), (333, 1731), (357, 1824), (360, 1833), (362, 1839), (364, 1857), (379, 1902), (385, 1923), (386, 1932), (388, 1944), (389, 1947),

Gene: Tardus_2 Start: 491, Stop: 2155, Start Num: 85
Candidate Starts for Tardus_2:
(Start: 85 @491 has 2 MA's), (94, 530), (107, 581), (125, 677), (129, 701), (136, 728), (142, 767), (154, 824), (162, 869), (170, 908), (182, 968), (187, 1010), (197, 1070), (198, 1082), (200, 1103), (205, 1139), (208, 1148), (217, 1220), (220, 1232), (223, 1253), (232, 1334), (241, 1415), (245, 1442), (266, 1541), (282, 1655), (286, 1685), (293, 1718), (295, 1724), (297, 1751), (306, 1787), (314, 1826), (321, 1856), (324, 1865), (329, 1886), (331, 1889), (354, 1982), (364, 2030), (370, 2048),

Gene: Telesworld_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Telesworld_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Thing3_2 Start: 514, Stop: 2106, Start Num: 91
Candidate Starts for Thing3_2:
(Start: 91 @514 has 34 MA's), (93, 520), (125, 673), (136, 724), (142, 763), (143, 769), (148, 790), (157, 841), (162, 865), (165, 877), (187, 1006), (196, 1060), (198, 1078), (200, 1099), (205, 1135), (208, 1144), (220, 1228), (223, 1249), (241, 1381), (245, 1408), (247, 1420), (260, 1489), (266, 1513), (284, 1639), (286, 1657), (297, 1723), (300, 1732), (321, 1804), (327, 1825), (329, 1834), (338, 1864), (342, 1879), (364, 1978), (381, 2026),

Gene: Thonko_1 Start: 1, Stop: 1770, Start Num: 43
Candidate Starts for Thonko_1:
(Start: 43 @1 has 2 MA's), (67, 61), (69, 67), (102, 187), (129, 328), (136, 358), (138, 367), (182, 640), (194, 718), (201, 778), (203, 790), (211, 856), (216, 889), (229, 973), (259, 1132), (283, 1267), (291, 1312), (292, 1315), (301, 1372), (306, 1396), (323, 1471), (336, 1516), (353, 1588), (365, 1642), (392, 1732), (401, 1750),

Gene: Thora_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Thora_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: ThreeOh3D2_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for ThreeOh3D2_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Thunderbird_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Thunderbird_2:

(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Tiamoceli_2 Start: 558, Stop: 2156, Start Num: 84
Candidate Starts for Tiamoceli_2:
(Start: 84 @558 has 7 MA's), (108, 642), (116, 690), (122, 714), (125, 735), (129, 759), (136, 786), (142, 825), (150, 858), (152, 876), (154, 882), (164, 936), (165, 939), (182, 1026), (187, 1068), (196, 1122), (198, 1140), (200, 1161), (208, 1206), (217, 1278), (220, 1290), (223, 1311), (231, 1386), (241, 1443), (243, 1452), (245, 1470), (247, 1482), (266, 1569), (282, 1683), (289, 1722), (297, 1779), (320, 1857), (364, 2034), (370, 2052), (382, 2085),

Gene: TillyBobJoe_5 Start: 1788, Stop: 3395, Start Num: 82
Candidate Starts for TillyBobJoe_5:
(Start: 82 @1788 has 27 MA's), (94, 1836), (136, 2034), (142, 2073), (150, 2106), (156, 2145), (157, 2151), (167, 2193), (182, 2274), (187, 2316), (190, 2328), (200, 2409), (205, 2445), (208, 2454), (223, 2559), (245, 2718), (266, 2817), (277, 2883), (283, 2925), (295, 2991), (296, 2994), (297, 3018), (318, 3087), (320, 3096), (324, 3108), (354, 3225), (364, 3273), (381, 3321),

Gene: Timmi_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Timmi_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Tinciduntsolum_8 Start: 4340, Stop: 6040, Start Num: 71
Candidate Starts for Tinciduntsolum_8:
(Start: 71 @4340 has 6 MA's), (Start: 73 @4346 has 28 MA's), (118, 4526), (133, 4607), (141, 4658), (143, 4667), (148, 4688), (168, 4796), (171, 4808), (194, 4982), (198, 5018), (199, 5030), (200, 5039), (211, 5120), (229, 5237), (230, 5240), (245, 5315), (248, 5351), (263, 5408), (283, 5528), (287, 5558), (292, 5576), (296, 5597), (299, 5627), (301, 5633), (310, 5672), (317, 5708), (324, 5735), (336, 5777), (348, 5831), (353, 5849), (365, 5903), (387, 5975),

Gene: TinyTerror_6 Start: 2717, Stop: 4477, Start Num: 45
Candidate Starts for TinyTerror_6:
(3, 2243), (6, 2276), (8, 2342), (15, 2438), (Start: 38 @2699 has 4 MA's), (Start: 45 @2717 has 27 MA's), (53, 2735), (81, 2816), (129, 3029), (137, 3059), (138, 3065), (141, 3092), (151, 3128), (166, 3212), (182, 3338), (194, 3416), (200, 3473), (204, 3506), (223, 3620), (229, 3674), (250, 3794), (254, 3815), (272, 3911), (283, 3962), (287, 3992), (288, 3995), (301, 4067), (317, 4142), (324, 4169), (326, 4178), (341, 4229), (347, 4262), (351, 4277), (356, 4289), (370, 4349), (383, 4388), (384, 4391), (401, 4442),

Gene: Togo_5 Start: 1653, Stop: 3257, Start Num: 82
Candidate Starts for Togo_5:
(4, 1077), (13, 1248), (18, 1350), (21, 1365), (24, 1392), (77, 1635), (Start: 82 @1653 has 27 MA's), (94, 1701), (122, 1824), (136, 1896), (145, 1947), (150, 1968), (152, 1986), (167, 2055), (182, 2136), (184, 2151), (187, 2178), (193, 2205), (197, 2238), (200, 2271), (205, 2307), (208, 2316), (248, 2616), (276, 2739), (277, 2745), (283, 2787), (289, 2823), (296, 2856), (297, 2880), (318, 2949), (320, 2958), (324, 2970), (354, 3087), (364, 3135), (381, 3183),

Gene: TomBombadil_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for TomBombadil_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Tomlarah_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Tomlarah_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Toni_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Toni_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Tonitrus_13 Start: 6376, Stop: 8133, Start Num: 83
Candidate Starts for Tonitrus_13:
(Start: 83 @6376 has 1 MA's), (112, 6484), (122, 6541), (128, 6577), (138, 6622), (142, 6652), (147, 6670), (152, 6703), (155, 6712), (177, 6832), (182, 6895), (193, 6964), (194, 6973), (197, 6997), (198, 7009), (204, 7063), (209, 7099), (221, 7159), (230, 7231), (263, 7399), (267, 7408), (271, 7456), (277, 7483), (283, 7516), (301, 7621), (315, 7687), (319, 7705), (330, 7747), (332, 7750), (350, 7840), (367, 7909), (385, 7963), (387, 7975), (396, 8020), (403, 8053),

Gene: TooFast2Furius_3 Start: 797, Stop: 2584, Start Num: 56
Candidate Starts for TooFast2Furius_3:
(Start: 56 @797 has 267 MA's), (102, 956), (113, 995), (129, 1097), (138, 1136), (143, 1172), (162, 1268), (168, 1301), (180, 1388), (183, 1412), (186, 1445), (189, 1460), (194, 1487), (195, 1490), (200, 1544), (206, 1583), (211, 1625), (229, 1742), (230, 1745), (266, 1928), (272, 1988), (280, 2021), (293, 2108), (302, 2156), (336, 2303), (341, 2321), (365, 2429), (371, 2447), (380, 2471), (384, 2483), (401, 2561),

Gene: Tooj_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Tooj_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Tres_7 Start: 4230, Stop: 5924, Start Num: 73
Candidate Starts for Tres_7:
(Start: 71 @4224 has 6 MA's), (Start: 73 @4230 has 28 MA's), (118, 4410), (133, 4491), (141, 4542), (143, 4551), (148, 4572), (168, 4680), (171, 4692), (194, 4866), (198, 4902), (199, 4914), (200, 4923),

(211, 5004), (229, 5121), (230, 5124), (245, 5199), (248, 5235), (263, 5292), (283, 5412), (287, 5442), (292, 5460), (296, 5481), (299, 5511), (301, 5517), (310, 5556), (317, 5592), (324, 5619), (336, 5661), (348, 5715), (353, 5733), (365, 5787), (387, 5859),

Gene: True_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for True_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Trypo_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Trypo_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Twister6_5 Start: 1703, Stop: 3307, Start Num: 82
Candidate Starts for Twister6_5:
(27, 1493), (Start: 82 @1703 has 27 MA's), (94, 1751), (100, 1775), (136, 1946), (145, 1997), (150, 2018), (152, 2036), (167, 2105), (182, 2186), (184, 2201), (187, 2228), (193, 2255), (197, 2288), (200, 2321), (205, 2357), (208, 2366), (277, 2795), (283, 2837), (289, 2873), (296, 2906), (297, 2930), (318, 2999), (320, 3008), (324, 3020), (354, 3137), (364, 3185), (381, 3233),

Gene: Twonlo_2 Start: 558, Stop: 2156, Start Num: 84
Candidate Starts for Twonlo_2:
(Start: 84 @558 has 7 MA's), (108, 642), (116, 690), (122, 714), (125, 735), (129, 759), (136, 786), (142, 825), (150, 858), (152, 876), (154, 882), (164, 936), (165, 939), (182, 1026), (187, 1068), (197, 1128), (198, 1140), (200, 1161), (208, 1206), (217, 1278), (220, 1290), (223, 1311), (231, 1386), (241, 1443), (243, 1452), (245, 1470), (247, 1482), (266, 1569), (282, 1683), (289, 1722), (297, 1779), (320, 1857), (364, 2034), (370, 2052), (382, 2085),

Gene: Tycho_2 Start: 512, Stop: 2104, Start Num: 91
Candidate Starts for Tycho_2:
(Start: 91 @512 has 34 MA's), (93, 518), (98, 545), (114, 620), (122, 650), (125, 671), (129, 695), (136, 722), (143, 767), (148, 788), (162, 863), (165, 875), (187, 1004), (198, 1076), (200, 1097), (205, 1133), (208, 1142), (220, 1226), (223, 1247), (241, 1379), (245, 1406), (247, 1418), (266, 1511), (281, 1604), (286, 1655), (295, 1694), (297, 1721), (300, 1730), (321, 1802), (324, 1811), (327, 1823), (329, 1832), (338, 1862), (342, 1877), (364, 1976), (397, 2084),

Gene: TyrionL_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for TyrionL_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: UAch1_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for UAch1_2:

(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: UncleHowie_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for UncleHowie_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Usavi_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Usavi_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Vaishali24_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Vaishali24_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Valary_5 Start: 1809, Stop: 3422, Start Num: 80
Candidate Starts for Valary_5:
(1, 1137), (5, 1260), (9, 1365), (10, 1368), (14, 1437), (Start: 80 @1809 has 1 MA's), (Start: 82 @1815 has 27 MA's), (94, 1863), (136, 2061), (142, 2100), (150, 2133), (156, 2172), (157, 2178), (167, 2220), (182, 2301), (187, 2343), (190, 2355), (200, 2436), (208, 2481), (223, 2586), (245, 2745), (247, 2757), (266, 2844), (277, 2910), (283, 2952), (296, 3021), (297, 3045), (318, 3114), (320, 3123), (324, 3135), (346, 3225), (354, 3252), (363, 3288), (364, 3300), (373, 3330), (381, 3348),

Gene: Valjean_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Valjean_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: VanDeWege_5 Start: 1740, Stop: 3344, Start Num: 82
Candidate Starts for VanDeWege_5:
(27, 1530), (Start: 82 @1740 has 27 MA's), (94, 1788), (100, 1812), (136, 1983), (145, 2034), (150, 2055), (152, 2073), (167, 2142), (182, 2223), (184, 2238), (187, 2265), (193, 2292), (197, 2325), (200, 2358), (205, 2394), (208, 2403), (277, 2832), (283, 2874), (289, 2910), (296, 2943), (297, 2967), (318, 3036), (320, 3045), (324, 3057), (354, 3174), (364, 3222), (381, 3270),

Gene: Vaticameos_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Vaticameos_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Veritas_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Veritas_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Vic9_00007 Start: 4673, Stop: 6367, Start Num: 73
Candidate Starts for Vic9_00007:
(Start: 71 @4667 has 6 MA's), (Start: 73 @4673 has 28 MA's), (118, 4853), (133, 4934), (141, 4985), (143, 4994), (148, 5015), (168, 5123), (171, 5135), (194, 5309), (198, 5345), (199, 5357), (200, 5366), (211, 5447), (229, 5564), (230, 5567), (245, 5642), (248, 5678), (263, 5735), (283, 5855), (287, 5885), (292, 5903), (296, 5924), (299, 5954), (301, 5960), (310, 5999), (317, 6035), (324, 6062), (336, 6104), (348, 6158), (353, 6176), (365, 6230), (387, 6302),

Gene: VioletZ_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for VioletZ_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (147, 3836), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (211, 4277), (229, 4394), (230, 4397), (242, 4454), (263, 4568), (266, 4577), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: Virapocalypse_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Virapocalypse_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Virgeve_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Virgeve_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Vista_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Vista_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194,

1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Vivaldi_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Vivaldi_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Vortex_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Vortex_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Waleliano_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for Waleliano_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (211, 4277), (229, 4394), (230, 4397), (242, 4454), (263, 4568), (266, 4577), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: Wallhey_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Wallhey_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Waterdiva_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Waterdiva_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Weher20_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Weher20_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: West99_7 Start: 4347, Stop: 6041, Start Num: 73
Candidate Starts for West99_7:
(Start: 71 @4341 has 6 MA's), (Start: 73 @4347 has 28 MA's), (118, 4527), (133, 4608), (141, 4659), (143, 4668), (148, 4689), (168, 4797), (171, 4809), (194, 4983), (198, 5019), (199, 5031), (200, 5040), (211, 5121), (229, 5238), (230, 5241), (245, 5316), (248, 5352), (263, 5409), (283, 5529), (287, 5559), (292, 5577), (296, 5598), (299, 5628), (301, 5634), (310, 5673), (317, 5709), (324, 5736), (336, 5778), (348, 5832), (353, 5850), (365, 5904), (387, 5976),

Gene: Windsor_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Windsor_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: Wizard_5 Start: 1770, Stop: 3377, Start Num: 82
Candidate Starts for Wizard_5:
(39, 1671), (Start: 82 @1770 has 27 MA's), (94, 1818), (136, 2016), (142, 2055), (150, 2088), (156, 2127), (157, 2133), (167, 2175), (182, 2256), (187, 2298), (190, 2310), (200, 2391), (205, 2427), (208, 2436), (223, 2541), (245, 2700), (266, 2799), (277, 2865), (283, 2907), (296, 2976), (297, 3000), (318, 3069), (320, 3078), (324, 3090), (346, 3180), (354, 3207), (364, 3255), (381, 3303),

Gene: Wooper_6 Start: 3931, Stop: 5652, Start Num: 55
Candidate Starts for Wooper_6:
(31, 3829), (Start: 55 @3931 has 6 MA's), (63, 3949), (Start: 83 @4012 has 1 MA's), (105, 4090), (121, 4168), (124, 4189), (136, 4246), (138, 4255), (141, 4282), (143, 4291), (147, 4303), (160, 4381), (180, 4507), (185, 4555), (198, 4642), (199, 4654), (200, 4663), (202, 4669), (205, 4699), (215, 4771), (222, 4801), (229, 4861), (296, 5224), (301, 5260), (311, 5311), (322, 5353), (336, 5401), (358, 5491), (365, 5527), (393, 5614), (401, 5632),

Gene: Xavier_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Xavier_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Xincheng_5 Start: 3458, Stop: 5203, Start Num: 48
Candidate Starts for Xincheng_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (143, 3824), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (211, 4277), (229, 4394), (242, 4454), (263, 4568), (266, 4577), (272, 4637), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (302, 4802), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: Yago84_4 Start: 2457, Stop: 4196, Start Num: 49
Candidate Starts for Yago84_4:
(Start: 49 @2457 has 9 MA's), (105, 2634), (118, 2703), (136, 2790), (138, 2799), (143, 2835), (147, 2847), (199, 3198), (202, 3213), (222, 3345), (229, 3405), (238, 3447), (248, 3525), (258, 3564), (263, 3576), (267, 3588), (280, 3669), (282, 3693), (287, 3726), (301, 3801), (305, 3819), (343, 3972), (351,

4008), (361, 4041), (365, 4068), (368, 4077), (385, 4128),

Gene: Yahalom_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Yahalom_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: Yeshua_6 Start: 3929, Stop: 5656, Start Num: 54
Candidate Starts for Yeshua_6:
(34, 3860), (36, 3878), (41, 3899), (52, 3926), (54, 3929), (63, 3953), (Start: 83 @4016 has 1 MA's), (105, 4094), (121, 4172), (124, 4193), (136, 4250), (138, 4259), (141, 4286), (143, 4295), (160, 4385), (180, 4511), (185, 4559), (198, 4646), (199, 4658), (200, 4667), (202, 4673), (205, 4703), (215, 4775), (222, 4805), (229, 4865), (296, 5228), (301, 5264), (311, 5315), (316, 5330), (322, 5357), (336, 5405), (358, 5495), (365, 5531), (393, 5618), (401, 5636),

Gene: Yinz_6 Start: 2714, Stop: 4474, Start Num: 45
Candidate Starts for Yinz_6:
(3, 2240), (6, 2273), (8, 2339), (15, 2435), (Start: 38 @2696 has 4 MA's), (Start: 45 @2714 has 27 MA's), (53, 2732), (81, 2813), (129, 3026), (137, 3056), (138, 3062), (141, 3089), (151, 3125), (166, 3209), (182, 3335), (194, 3413), (200, 3470), (204, 3503), (223, 3617), (229, 3671), (250, 3791), (254, 3812), (272, 3908), (283, 3959), (287, 3989), (288, 3992), (301, 4064), (317, 4139), (324, 4166), (326, 4175), (341, 4226), (347, 4259), (351, 4274), (356, 4286), (370, 4346), (383, 4385), (384, 4388), (401, 4439),

Gene: YorkOnyx_2 Start: 513, Stop: 2105, Start Num: 91
Candidate Starts for YorkOnyx_2:
(12, 69), (Start: 91 @513 has 34 MA's), (93, 519), (98, 546), (114, 621), (122, 651), (125, 672), (129, 696), (136, 723), (143, 768), (148, 789), (162, 864), (165, 876), (187, 1005), (198, 1077), (200, 1098), (205, 1134), (208, 1143), (220, 1227), (223, 1248), (224, 1263), (241, 1380), (245, 1407), (247, 1419), (266, 1512), (281, 1605), (286, 1656), (295, 1695), (297, 1722), (300, 1731), (321, 1803), (324, 1812), (327, 1824), (329, 1833), (338, 1863), (342, 1878), (364, 1977), (397, 2085),

Gene: Yoshand_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Yoshand_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: YouGoGlencoco_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for YouGoGlencoco_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Zaider_3 Start: 797, Stop: 2584, Start Num: 56

Candidate Starts for Zaider_3:
(Start: 56 @797 has 267 MA's), (102, 956), (113, 995), (129, 1097), (138, 1136), (143, 1172), (162, 1268), (168, 1301), (180, 1388), (183, 1412), (186, 1445), (189, 1460), (194, 1487), (195, 1490), (200, 1544), (206, 1583), (211, 1625), (229, 1742), (230, 1745), (266, 1928), (272, 1988), (280, 2021), (293, 2108), (302, 2156), (336, 2303), (341, 2321), (365, 2429), (371, 2447), (380, 2471), (384, 2483), (401, 2561),

Gene: Zelda_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Zelda_2:
(20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (371, 2214), (380, 2238), (384, 2250), (401, 2328),

Gene: Zemanar_5 Start: 3458, Stop: 5206, Start Num: 48
Candidate Starts for Zemanar_5:
(Start: 48 @3458 has 22 MA's), (76, 3518), (102, 3608), (113, 3647), (114, 3677), (119, 3689), (125, 3725), (129, 3749), (137, 3782), (138, 3788), (147, 3836), (159, 3905), (175, 3980), (180, 4040), (186, 4097), (194, 4139), (195, 4142), (200, 4196), (209, 4265), (211, 4277), (229, 4394), (242, 4454), (263, 4568), (266, 4577), (279, 4664), (282, 4691), (287, 4724), (293, 4754), (296, 4763), (299, 4793), (301, 4799), (302, 4802), (310, 4838), (317, 4874), (336, 4949), (348, 5003), (353, 5021), (362, 5051), (365, 5075), (376, 5108), (378, 5114), (384, 5129), (401, 5180),

Gene: Zenteno07_8 Start: 2057, Stop: 3829, Start Num: 47
Candidate Starts for Zenteno07_8:
(Start: 47 @2057 has 3 MA's), (97, 2213), (102, 2222), (103, 2225), (113, 2261), (138, 2402), (176, 2603), (179, 2645), (186, 2711), (206, 2849), (209, 2879), (229, 3008), (266, 3191), (272, 3251), (275, 3260), (276, 3263), (293, 3371), (310, 3455), (336, 3566), (348, 3620), (365, 3692), (376, 3725), (380, 3734), (384, 3746), (401, 3809),

Gene: Zitch_1 Start: 491, Stop: 2155, Start Num: 85
Candidate Starts for Zitch_1:
(Start: 85 @491 has 2 MA's), (94, 530), (107, 581), (125, 677), (129, 701), (136, 728), (142, 767), (154, 824), (162, 869), (170, 908), (182, 968), (187, 1010), (198, 1082), (200, 1103), (205, 1139), (208, 1148), (217, 1220), (220, 1232), (223, 1253), (232, 1334), (241, 1415), (245, 1442), (266, 1541), (282, 1655), (286, 1685), (293, 1718), (297, 1751), (306, 1787), (314, 1826), (321, 1856), (324, 1865), (329, 1886), (354, 1982), (370, 2048),

Gene: Zonia_2 Start: 564, Stop: 2351, Start Num: 56
Candidate Starts for Zonia_2:
(12, 252), (20, 360), (22, 387), (29, 435), (Start: 56 @564 has 267 MA's), (102, 723), (113, 762), (129, 864), (138, 903), (143, 939), (162, 1035), (168, 1068), (180, 1155), (183, 1179), (186, 1212), (189, 1227), (194, 1254), (195, 1257), (200, 1311), (206, 1350), (211, 1392), (229, 1509), (230, 1512), (266, 1695), (272, 1755), (280, 1788), (293, 1875), (302, 1923), (336, 2070), (341, 2088), (365, 2196), (380, 2238), (384, 2250), (401, 2328),

Gene: pZL12_67c Start: 56094, Stop: 54634, Start Num: 102
Candidate Starts for pZL12_67c:
(75, 56199), (102, 56094), (110, 56061), (113, 56055), (125, 55983), (127, 55971), (134, 55941), (136, 55932), (153, 55839), (182, 55674), (297, 54966), (319, 54897), (322, 54885), (352, 54774), (358, 54753), (364, 54723),