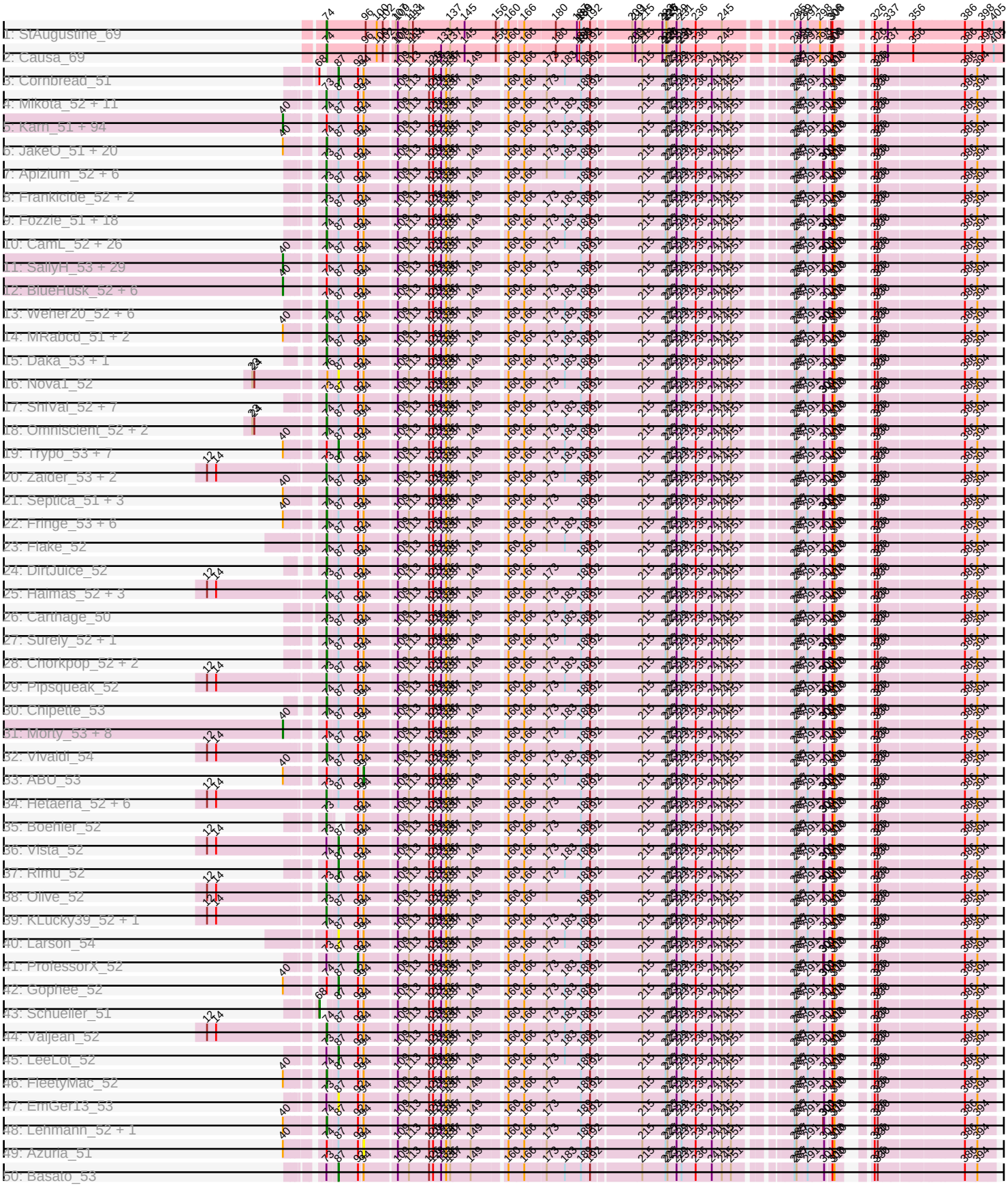
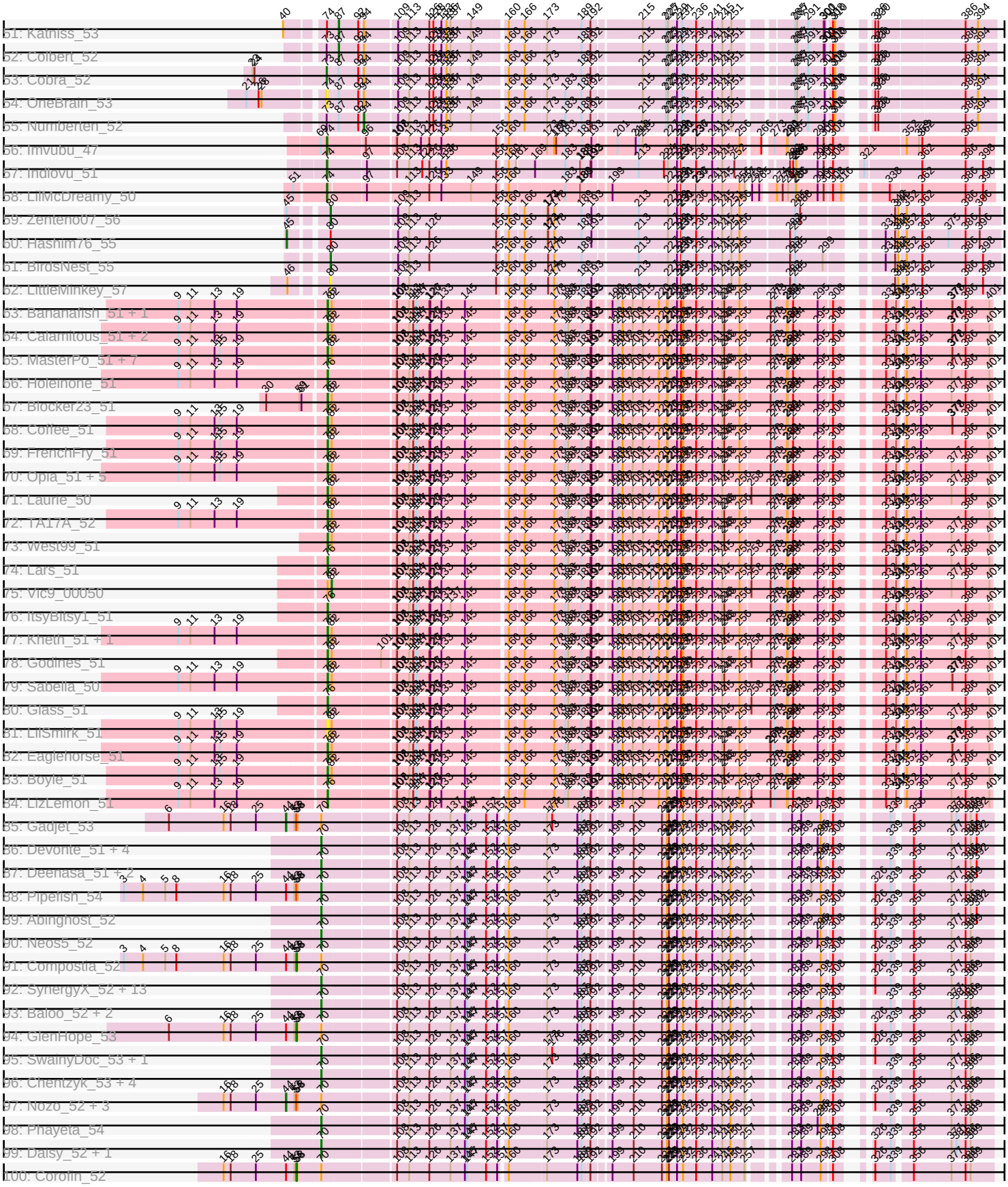
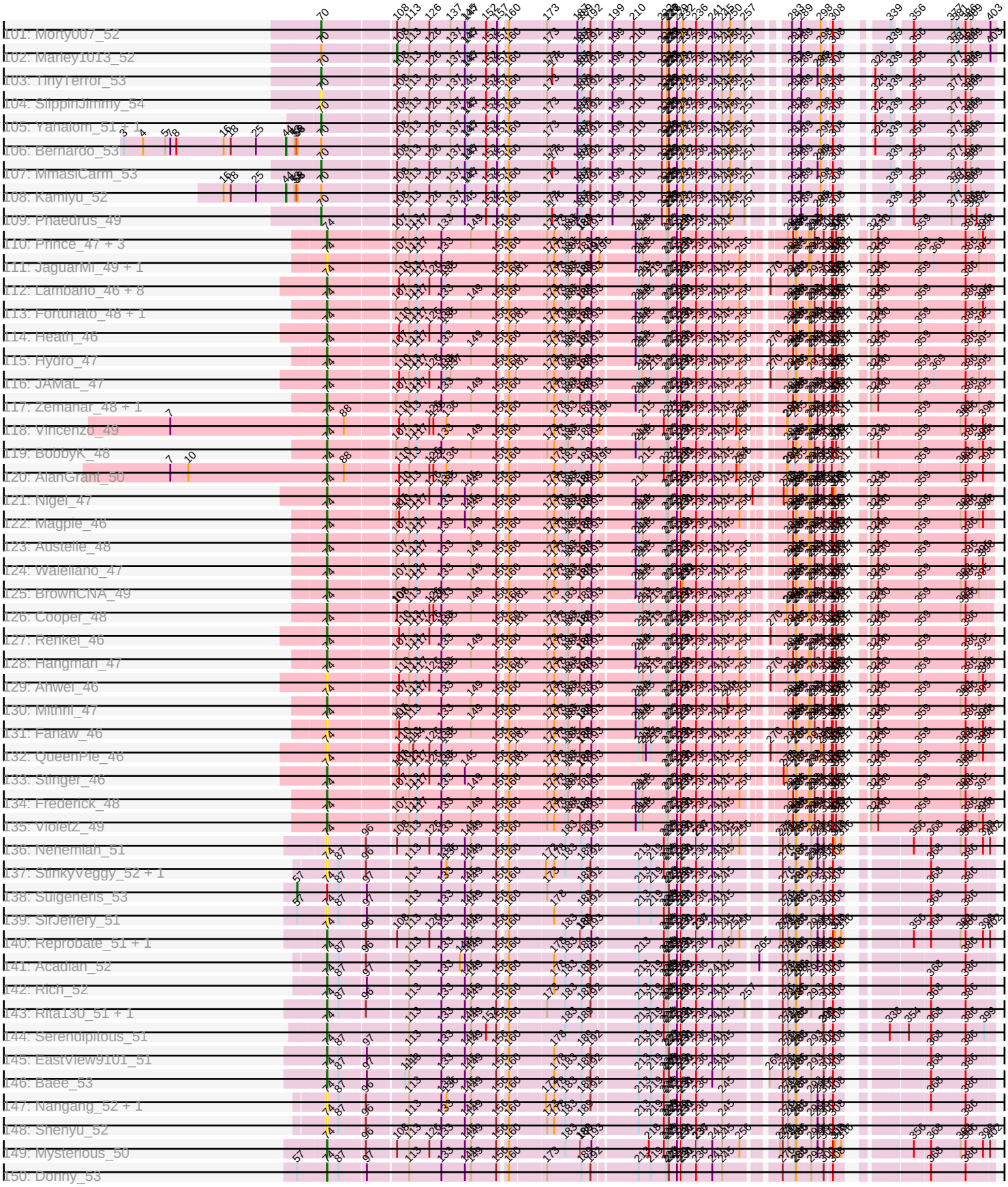
Pham 347059


1: StAugustine_69
2: Causa_69
3: Cornbread_51
4: Mikota_52 + 11
5: Kam_51 + 94
6: JakeO_51 + 20
7: Apizium_52 + 6
8: Frankicide_52 + 2
9: Fozzie_51 + 18
10: CamL_52 + 26
11: SallyH_53 + 29
12: BlueHusk_52 + 6
13: Weher20_52 + 6
14: MRabcd_51 + 2
15: Daka_53 + 1
16: Nova1_52
17: Shiva_52 + 7
18: Omniscient_52 + 2
19: Trypo_53 + 7
20: Zalder_53 + 2
21: Septica_51 + 3
22: Fringe_53 + 6
23: Flake_52
24: DirtJuice_52
25: Haimas_52 + 3
26: Carthage_50
27: Surely_52 + 1
28: Chorkpop_52 + 2
29: Pipsqueak_52
30: Chipette_53
31: Morty_53 + 8
32: Vivaldi_54
33: ABU_53
34: Hetaeria_52 + 6
35: Boehler_52
36: Vista_52
37: Rimu_52
38: Olive_52
39: KLucky39_52 + 1
40: Larson_54
41: ProfessorX_52
42: Gophee_52
43: Schueller_51
44: Valjean_52
45: LeeLot_52
46: FleetyMac_52
47: EmGer13_53
48: Lehmann_52 + 1
49: Azuria_51
50: Basato_53

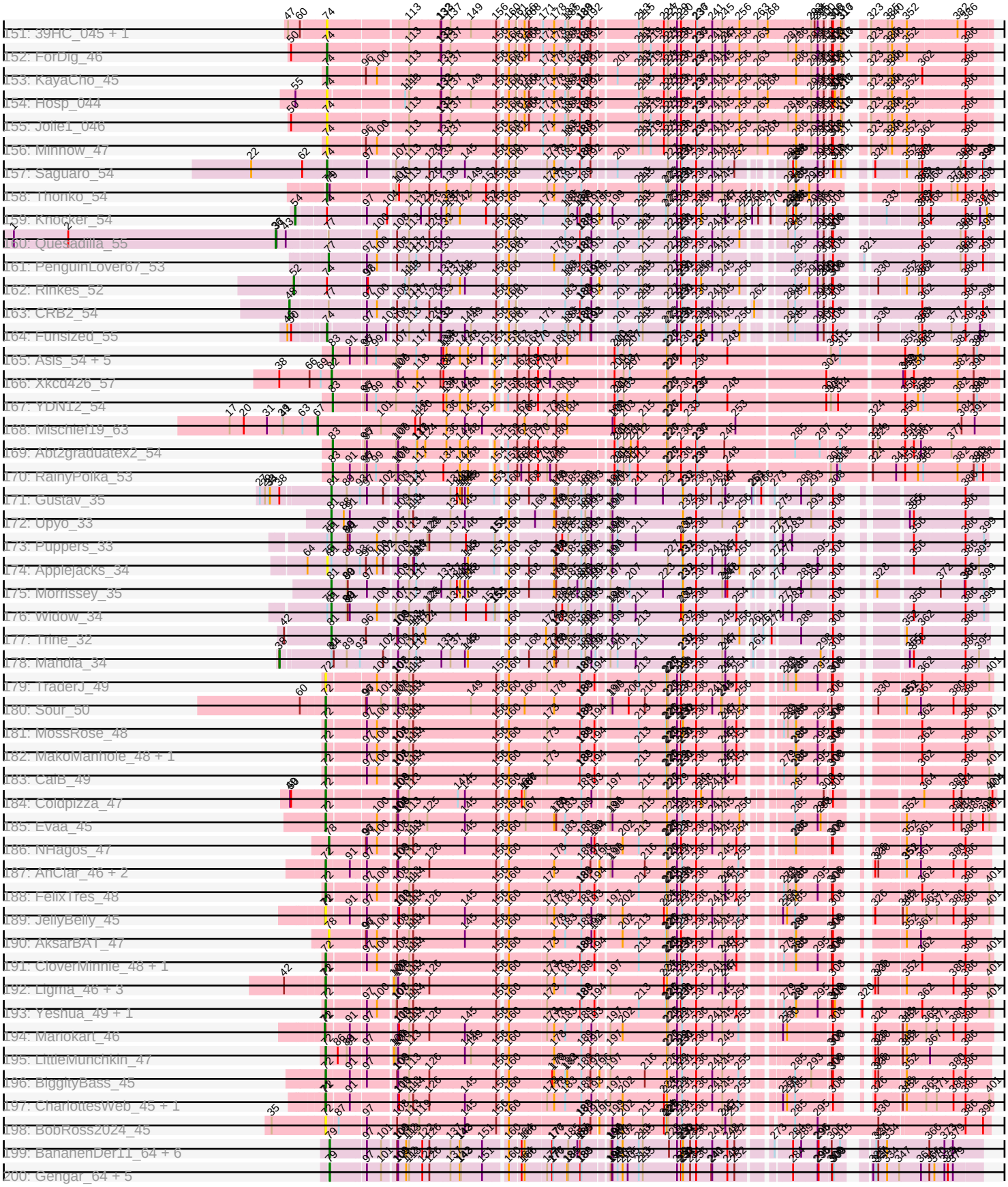
Pham 347059


51: Katniss_53
52: Colbert_52
53: Cobra_52
54: OneBrain_53
55: Numberten_52
56: Imvubu_47
57: Indiovu_51
58: LilMcDreamy_50
59: Zenteno07_56
60: Hashim76_55
61: BirdsNest_55
62: LittleMinkey_57
63: Bananafish_51 + 1
64: Calamitous_51 + 2
65: MasterPo_51 + 7
66: Holeinone_51
67: Blocker23_51
68: Coffee_51
69: FrenchFry_51
70: Opia_51 + 5
71: Laurie_50
72: TA17A_52
73: West99_51
74: Lars_51
75: Vic9_00050
76: ItsyBitsy1_51
77: Kheth_51 + 1
78: Godines_51
79: Sabella_50
80: Glass_51
81: LilSmirk_51
82: Eaglehorse_51
83: Boyle_51
84: LizLemon_51
85: Gadjet_53
86: Devonte_51 + 4
87: Deenasa_51 + 2
88: Piperfish_54
89: Abinghost_52
90: Neos5_52
91: Compostia_52
92: SynergyX_52 + 13
93: Baloo_52 + 2
94: GlenHope_53
95: SwainyDoc_53 + 1
96: Chentzyk_53 + 4
97: Nozo_52 + 3
98: Phayeta_54
99: Daisy_52 + 1
100: Corolin_52

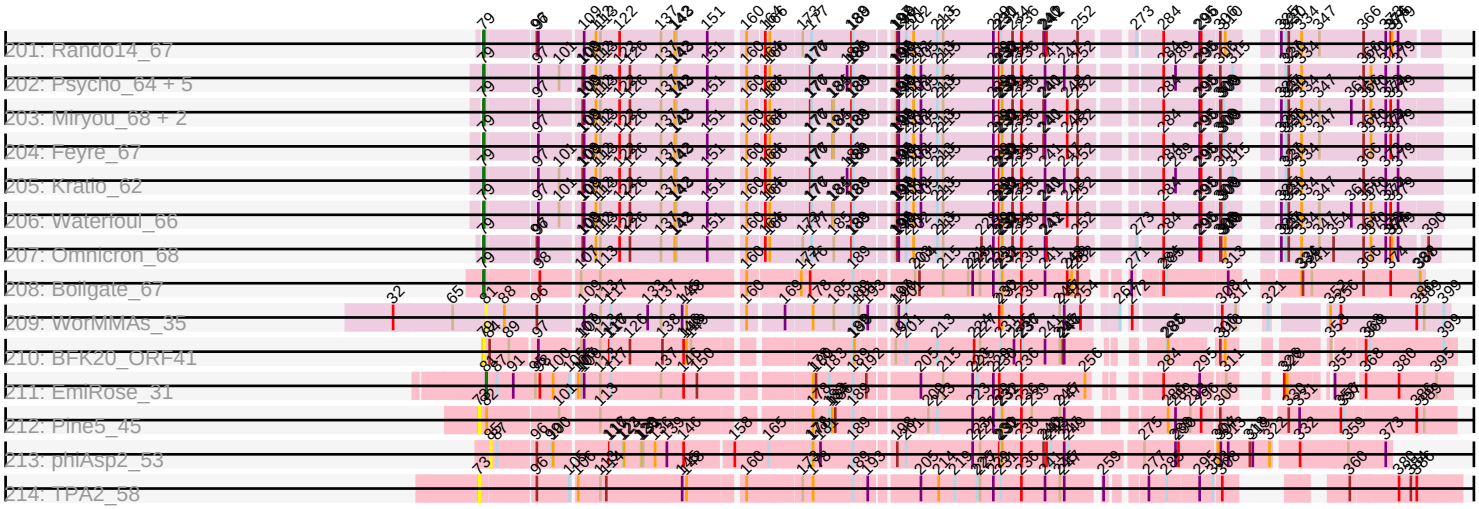
Pham 347059



Pham 347059


151: 39HC_045 + 1
152: ForDig_46
153: KayaCho_45
154: Hosp_044
155: Jolie1_046
156: Minnow_47
157: Saguaro_54
158: Thonko_54
159: Knocker_54
160: Quesadilla_55
161: PenguinLover67_53
162: Rinkes_52
163: CRB2_54
164: Funsized_55
165: Asis_54 + 5
166: Xkcd426_57
167: YDNI2_54
168: Mischief19_63
169: Abi2graduatex2_54
170: RainyPolka_53
171: Gustav_35
172: Opyo_33
173: Puppers_33
174: Applejacks_34
175: Morrissey_35
176: Widow_34
177: Trine_32
178: Mandla_34
179: TraderJ_49
180: Sour_50
181: MossRose_48
182: MakoManhole_48 + 1
183: CalB_49
184: Coldpizza_47
185: Evaa_45
186: NHagos_47
187: AnClar_46 + 2
188: FelixTres_48
189: JellyBelly_45
190: AksarBAT_47
191: CloverMinnie_48 + 1
192: Ligma_46 + 3
193: Yeshua_49 + 1
194: Mariokart_46
195: LittleMunchkin_47
196: BiggityBass_45
197: CharlottesWeb_45 + 1
198: BobRoss2024_45
199: BananenDer11_64 + 6
200: Gengar_64 + 5

Pham 347059


201: Rando14_67
202: Psycho_64 + 5
203: Miryou_68 + 2
204: Feyre_67
205: Kratio_62
206: Waterloui_66
207: Omnicron_68
208: Bollgate_67
209: WorMMAs_35
210: BFK20_ORF41
211: EmiRose_31
212: Pine5_45
213: phiAsp2_53
214: TPA2_58

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 347059 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347059 has 582 members, 69 are drafts.

Phages represented in each track:
• Track 1 : StAugustine_69
• Track 2 : Causa_69
• Track 3 : Cornbread_51
• Track 4 : Mikota_52, Suffolk_52, Soto_52, Chunky_52, Lulwa_52, Antonia_52, MiniBoss_52, Aelin_52, SDcharge11_53, Schadenfreude_52, Sheila_52, KingVeVeVe_52
• Track 5 : Karn_51, HighStump_52, Hartsy_52, Piglet_0052, Grand2040_51, Windsor_51, Kahve_51, Coletti_52, ImtiyazSitla_52, Eugenia_52, CharlieGBrown_51, Placalicious_51, Maskar_52, Phergie_52, Labeouficaum_51, Phleuron_51, Derpp_51, BatteryCK_51, Virgeve_51, DuchessDung_51, Jbug01_52, Melc17_52, Virapocalypse_52, Hocus_51, Burr_51, Magic8_52, Serpentine_0052, MichaelPhcott_51, Mulan_52, Nacho_0053, AltPhacts_53, PhenghisKhan_51, JangoPhett_52, KingTut_43, Jesabah_52, PhrankReynolds_50, Inchworm_53, Kailash_52, Gwennie1_52, Gareth_51, Giraffe_52, Oline_51, Hekos_49, Waterdiva_52, Andre_53, LeiMonet_52, Ashraf_52, Duggie_51, LasagnaCat_53, Iridessa_52, PallasAthena_51, Chuni_52, Taraxa_52, AngelCake_52, ElvisPhasley_53, PinheadLarry_52, MelsMeow_52, Thunderbird_51, CampRoach_53, Lego3393_51, TyrionL_51, Lumine_51, Mutante_51, Craff_53, Anderson_52, LemonSlice_52, GeneCoco_52, Caspiboi_51, Bluephacebaby_51, Crownjwl_53, Kwksand96_51, PhrodoBaggins_52, SirBeauregard_52, Chute_52, Chaelin_52, Cher_51, Charles1_52, Brilliant_52, Aleia_52, RedMaple_52, Usavi_52, Squiggle_52, DolOn_55, Iridoclysis_52, Nathan_52, Telesworld_51, Vectra_51, HenryJackson_51, Simielle_51, FugateOSU_51, JDog_51, Pinkman_51, OSmaximus_53, Gwilliam_52, Kiwot_52
• Track 6 : JakeO_51, Jiminy_51, Skippy_52, YouGoGlencoco_52, Jiraiya_51, Cosmolli16_52, BlacksBerry_51, Cornobble_51, Maru_51, Keitherie_52, Bishoperium_51, Wallhey_51, Slatt_52, FremontTroll_51, Durga_53, Vaticameos_48, Soile_52, Emiris_53, Veritas_51, Roliet_52, Tomlarah_52
• Track 7 : Apizium_52, KlimbOn_52, Kloppinator_53, Newman_52, Mesh1_53, Inverness_52, EmpTee_52
• Track 8 : Frankicide_52, HSavage_52, OliverWalter_52
• Track 9 : Fozzie_51, Altwerkus_51, Roy17_52, Dione_51, Riverton_52, CheetO_52, TooFast2Furius_53, Horchata_52, DoesntMatter_51, Riggan_52, AbsoluteMadLad_52, Freya_51, RedRaider89_53, Phareon_52, LuckyMarjie_51, Eremos_52, Lulumae_51, Phunky_52, Plmatters_52
• Track 10 : CamL_52, Kwadwo_51, Mosaic_51, Sophia_51, Serendipity_52, TallGrassMM_52, Squid_52, Daffy_52, MrPhizzler_52, Morgushi_52, Solosis_51,

Timmi_51, DaddyDaniels_52, Lasso_52, QueenBeane_52, Mana_51, Puhltonio_52, Haleema_51, TomBombadil_52, Cannibal_52, Samaymay_52, SassyCat97_51, Xavier_51, Held_52, Khan1_51, Vortex_52, Banjo_51
• Track 11 : SallyH_53, ShadowBud_52, ThreeOh3D2_53, Aonishiki_52, Mesmerelda_51, Toni_51, DelRivs_51, True_51, Swish_53, BlackStallion_53, Phipps_52, Quisquiliae_52, Selr12_52, Robyn_51, Ricotta_51, Olak_51, FluffyNinja_53, Chah_54, FriarPreacher_51, Adriana_53, Dice_51, Pacifista_51, Scoot17C_53, Megamind20_52, Megatron_53, PhatCats2014_53, Orfeu_51, Nyala_51, NiaNia_55, Yoshand_53
• Track 12 : BlueHusk_52, PhatLouie_52, Mcshane_51, GreenChile_54, Kikipoo_53, Swiphy_52, IsaacEli_53
• Track 13 : Weher20_52, Dati_52, HogWash_52, Doddsville_52, Etaye_52, Childish_51, Happabalu_52
• Track 14 : MRabcd_51, Legolas_52, LostAndPhound_51
• Track 15 : Daka_53, Prickles_52
• Track 16 : Nova1_52
• Track 17 : ShiVal_52, Roscoe_53, Spartan300_52, Oosterbaan_52, Hertubise_52, Podrick_52, Thora_52, Pops_52
• Track 18 : Omniscient_52, Mecca_51, Kimbrough_52
• Track 19 : Trypo_53, Zonia_52, Mag7_51, Struggle_51, Salazzle_52, Plata_51, Nehme_51, PG1_53
• Track 20 : Zaider_53, Buckeye_52, Murdoc_52
• Track 21 : Septica_51, Lopsy_51, Dingo_52, Triad_52
• Track 22 : Fringe_53, Pherdinand_53, Orwigg_51, Jillium_51, BoogieWoogie_52, Scrick_52, Orion_53
• Track 23 : Flake_52
• Track 24 : DirtJuice_52
• Track 25 : Haimas_52, Hamish_52, UncleHowie_52, Tooj_52
• Track 26 : Carthage_50
• Track 27 : Surely_52, Zelda_52
• Track 28 : Chorkpop_52, MitKao_52, Potter_51
• Track 29 : Pipsqueak_52
• Track 30 : Chipette_53
• Track 31 : Morty_53, Fang_53, Longacauda_51, Sigman_53, Badfish_53, Nicole21_52, Beaglebox_51, Phamished_53, JacAttac_53
• Track 32 : Vivaldi_54
• Track 33 : ABU_53
• Track 34 : Hetaeria_52, UAch1_52, Manad_52, Matalotodo_52, Harvey_52, SilverBell_52, DonSanchon_51
• Track 35 : Boehler_52
• Track 36 : Vista_52
• Track 37 : Rimu_52
• Track 38 : Olive_52
• Track 39 : KLucky39_52, Gyarad_0052
• Track 40 : Larson_54
• Track 41 : ProfessorX_52
• Track 42 : Gophee_52
• Track 43 : Schueller_51
• Track 44 : Valjean_52
• Track 45 : LeeLot_52
• Track 46 : FleetyMac_52
• Track 47 : EmGer13_53
• Track 48 : Lehmann_52, Vaishali24_51

• Track 49 : Azuria_51
• Track 50 : Basato_53
• Track 51 : Katniss_53
• Track 52 : Colbert_52
• Track 53 : Cobra_52
• Track 54 : OneBrain_53
• Track 55 : Numberten_52
• Track 56 : Imvubu_47
• Track 57 : Indlovu_51
• Track 58 : LilMcDreamy_50
• Track 59 : Zenteno07_56
• Track 60 : Hashim76_55
• Track 61 : BirdsNest_55
• Track 62 : LittleMinkey_57
• Track 63 : Bananafish_51, Qyrzula_48
• Track 64 : Calamitous_51, Rhinoforte_51, PrinceCharming_51
• Track 65 : MasterPo_51, Lephleur_51, Kaleb_51, Phantasmagoria_51, Faze9_50, Kolhan_51, Allegro_51, Ares_51
• Track 66 : Holeinone_51
• Track 67 : Blocker23_51
• Track 68 : Coffee_51
• Track 69 : FrenchFry_51
• Track 70 : Opia_51, Tinciduntsolum_52, Brownie5_51, Rosebush_50, Hedgerow_51, Tres_51
• Track 71 : Laurie_50
• Track 72 : TA17A_52
• Track 73 : West99_51
• Track 74 : Lars_51
• Track 75 : Vic9_00050
• Track 76 : ItsyBitsy1_51
• Track 77 : Kheth_51, Arbiter_50
• Track 78 : Godines_51
• Track 79 : Sabella_50
• Track 80 : Glass_51
• Track 81 : LilSmirk_51
• Track 82 : Eaglehorse_51
• Track 83 : Boyle_51
• Track 84 : LizLemon_51
• Track 85 : Gadjet_53
• Track 86 : Devonte_51, Shenandoah_51, HarveySr_51, RagingRooster_51, Chalmers_51
• Track 87 : Deenasa_51, Briakila_52, LestyG_51
• Track 88 : Pipefish_54
• Track 89 : Abinghost_52
• Track 90 : Neos5_52
• Track 91 : Compostia_52
• Track 92 : SynergyX_52, Mulaychimus_53, ChaChing_52, Gervas_53, Athena_54, Philly_51, Marlia_53, Heathcliff_52, Halfpint_51, Mortcellus_52, Jackstina_48, Rita1961_53, Tydolla_51, Obutu_53
• Track 93 : Baloo_52, Audrey_52, RomaT_52
• Track 94 : GlenHope_53
• Track 95 : SwainyDoc_53, Glubnar_53
• Track 96 : Chentzyk_53, Kronus_52, Ben11_52, Casbah_52, Olivio_52

• Track 97 : Nozo_52, OrangeOswald_52, Akoma_52, Chandler_52
• Track 98 : Phayeta_54
• Track 99 : Daisy_52, Yinz_52
• Track 100 : Corofin_52
• Track 101 : Morty007_52
• Track 102 : Marley1013_52
• Track 103 : TinyTerror_53
• Track 104 : SlippinJimmy_54
• Track 105 : Yahalom_51, Phlyer_52
• Track 106 : Bernardo_53
• Track 107 : MmasiCarm_53
• Track 108 : Kamiyu_52
• Track 109 : Phaedrus_49
• Track 110 : Prince_47, Apex_48, Mudslide_47, Lolalove_48
• Track 111 : JaguarMi_49, Xincheng_48
• Track 112 : Lambano_46, ChrisnMich_47, Epah_46, GinPorsche_47, Hally898_46, Antihero_46, Nanao_46, LittleDigger_46, Poster_46
• Track 113 : Fortunato_48, RawrgerThat_48
• Track 114 : Heath_46
• Track 115 : Hydro_47
• Track 116 : JAMaL_47
• Track 117 : Zemanar_48, JoyceMaria_47
• Track 118 : Vincenzo_49
• Track 119 : BobbyK_48
• Track 120 : AlanGrant_50
• Track 121 : Nigel_47
• Track 122 : Magpie_46
• Track 123 : Austelle_48
• Track 124 : Waleliano_47
• Track 125 : BrownCNA_49
• Track 126 : Cooper_48
• Track 127 : Renkei_46
• Track 128 : Hangman_47
• Track 129 : Ahwei_46
• Track 130 : Mithril_47
• Track 131 : Fanaw_46
• Track 132 : QueenPie_46
• Track 133 : Stinger_46
• Track 134 : Frederick_48
• Track 135 : VioletZ_49
• Track 136 : Nehemiah_51
• Track 137 : StinkyVeggy_52, KarasumaRum_52
• Track 138 : Suigeneris_53
• Track 139 : SirJeffery_51
• Track 140 : Reprobate_51, Phelemich_50
• Track 141 : Acadian_52
• Track 142 : Rich_52
• Track 143 : Rita130_51, Reccee_52
• Track 144 : Serendipitous_51
• Track 145 : EastView9101_51
• Track 146 : Baee_53
• Track 147 : Nangang_52, DigitDog_52
• Track 148 : Shenyu_52

• Track 149 : Mysterious_50
• Track 150 : Donny_53
• Track 151 : 39HC_045, 40BC_045
• Track 152 : ForDig_46
• Track 153 : KayaCho_45
• Track 154 : Hosp_044
• Track 155 : Jolie1_046
• Track 156 : Minnow_47
• Track 157 : Saguaro_54
• Track 158 : Thonko_54
• Track 159 : Knocker_54
• Track 160 : Quesadilla_55
• Track 161 : PenguinLover67_53
• Track 162 : Rinkes_52
• Track 163 : CRB2_54
• Track 164 : Funsized_55
• Track 165 : Asis_54, TP1604_54, BabyGotBac_55, Maih_53, BayC_54, Salete_54
• Track 166 : Xkcd426_57
• Track 167 : YDN12_54
• Track 168 : Mischief19_63
• Track 169 : Abt2graduatex2_54
• Track 170 : RainyPolka_53
• Track 171 : Gustav_35
• Track 172 : Upyo_33
• Track 173 : Puppers_33
• Track 174 : Applejacks_34
• Track 175 : Morrissey_35
• Track 176 : Widow_34
• Track 177 : Trine_32
• Track 178 : Mahdia_34
• Track 179 : TraderJ_49
• Track 180 : Sour_50
• Track 181 : MossRose_48
• Track 182 : MakoManhole_48, AnarQue_48
• Track 183 : CaiB_49
• Track 184 : Coldpizza_47
• Track 185 : Evaa_45
• Track 186 : NHagos_47
• Track 187 : AnClar_46, Sisko_45, Yago84_45
• Track 188 : FelixTres_48
• Track 189 : JellyBelly_45
• Track 190 : AksarBAT_47
• Track 191 : CloverMinnie_48, Blackpen_48
• Track 192 : Ligma_46, Fresco_46, Axumite_46, Shatter_46
• Track 193 : Yeshua_49, Wooper_49
• Track 194 : Mariokart_46
• Track 195 : LittleMunchkin_47
• Track 196 : BiggityBass_45
• Track 197 : CharlottesWeb_45, Coco2012_45
• Track 198 : BobRoss2024_45
• Track 199 : BananenDer11_64, Collard_62, Agent47_64, ViviJ_63, InvictusManeo_62, DoubleChamp_61, LilDirt_63

• Track 200 : Gengar_64, Paola_64, Leston_64, Guillsminger_65, Thyatira_67, OkiRoe_65
• Track 201 : Rando14_67
• Track 202 : Psycho_64, Dadosky_66, Edugator_63, AlleyCat_66, Larva_65, Neighly_66
• Track 203 : Miryou_68, SoSeph_65, Heftyboy_65
• Track 204 : Feyre_67
• Track 205 : Kratio_62
• Track 206 : Waterfoul_66
• Track 207 : Omnicron_68
• Track 208 : Boilgate_67
• Track 209 : WorMMAs_35
• Track 210 : BFK20_ORF41
• Track 211 : EmiRose_31
• Track 212 : Pine5_45
• Track 213 : phiAsp2_53
• Track 214 : TPA2_58

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

The start number called the most often in the published annotations is 74, it was called in 130 of the 513 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 39HC_045, 40BC_045, Acadian_52, Ahwei_46, AlanGrant_50, Antihero_46, Apex_48, Austelle_48, Baee_53, Banjo_51, Bishoperium_51, BlacksBerry_51, BobbyK_48, BoogieWoogie_52, BrownCNA_49, CamL_52, Cannibal_52, Carthage_50, Causa_69, Childish_51, Chipette_53, Chorkpop_52, ChrisnMich_47, Cooper_48, Cornobble_51, Cosmolli16_52, DaddyDaniels_52, Daffy_52, Daka_53, Dati_52, DigitDog_52, Dingo_52, DirtJuice_52, Doddsville_52, Donny_53, Durga_53, EastView9101_51, Emiris_53, Epah_46, Etaye_52, Fanaw_46, Flake_52, FleetyMac_52, ForDig_46, Fortunato_48, Frederick_48, FremontTroll_51, Fringe_53, Funsized_55, GinPorsche_47, Haleema_51, Hally898_46, Hangman_47, Happabalu_52, Heath_46, Held_52, HogWash_52, Hosp_044, Hydro_47, Imvubu_47, Indlovu_51, JAMaL_47, JaguarMi_49, JakeO_51, Jillium_51, Jiminy_51, Jiraiya_51, Jolie1_046, JoyceMaria_47, KarasumaRum_52, KayaCho_45, Keitherie_52, Khan1_51, Kimbrough_52, Kwadwo_51, Lambano_46, Lasso_52, Legolas_52, Lehmann_52, LilMcDreamy_50, LittleDigger_46, Lolalove_48, Lopsy_51, LostAndPhound_51, MRabcd_51, Magpie_46, Mana_51, Maru_51, Mecca_51, Minnow_47, MitKao_52, Mithril_47, Morgushi_52, Mosaic_51, MrPhizzler_52, Mudslide_47, Mysterious_50, Nanao_46, Nangang_52, Nehemiah_51, Nigel_47, Omniscient_52, OneBrain_53, Orion_53, Orwigg_51, Phelemich_50, Pherdinand_53, Poster_46, Potter_51, Prickles_52, Prince_47, Puhltonio_52, QueenBeane_52, QueenPie_46, RawrgerThat_48, Reccee_52, Renkei_46, Reprobate_51, Rich_52, Rita130_51, Roliet_52, Saguaro_54, Samaymay_52, SassyCat97_51, Scrick_52, Septica_51, Serendipitous_51, Serendipity_52, Shenyu_52, SirJeffery_51, Skippy_52, Slatt_52, Soile_52, Solosis_51, Sophia_51, Squid_52, StAugustine_69, Stinger_46, StinkyVeggy_52, TallGrassMM_52, Thonko_54, Timmi_51, TomBombadil_52, Tomlarah_52, Triad_52, Vaishali24_51, Valjean_52, Vaticameos_48, Veritas_51, Vincenzo_49, VioletZ_49, Vivaldi_54, Vortex_52,

Waleliano_47, Wallhey_51, Weher20_52, Xavier_51, Xincheng_48, YouGoGlencoco_52, Zemanar_48,

Genes that have the "Most Annotated" start but do not call it:
• ABU_53, Adriana_53, Aleia_52, AltPhacts_53, Anderson_52, Andre_53, AngelCake_52, Aonishiki_52, Ashraf_52, Azuria_51, Badfish_53, BatteryCK_51, Beaglebox_51, BlackStallion_53, BlueHusk_52, Bluephacebaby_51, Brilliant_52, Burr_51, CampRoach_53, Caspiboi_51, Chaelin_52, Chah_54, Charles1_52, CharlieGBrown_51, Cher_51, Chuni_52, Chute_52, Coletti_52, Craff_53, Crownjwl_53, DelRivs_51, Derpp_51, Dice_51, DolOn_55, DuchessDung_51, Duggie_51, ElvisPhasley_53, Eugenia_52, Fang_53, FluffyNinja_53, FriarPreacher_51, FugateOSU_51, Gareth_51, GeneCoco_52, Giraffe_52, Gophee_52, Grand2040_51, GreenChile_54, Gwennie1_52, Gwilliam_52, Hartsy_52, Hekos_49, HenryJackson_51, HighStump_52, Hocus_51, ImtiyazSitla_52, Inchworm_53, Iridessa_52, Iridoclysis_52, IsaacEli_53, JDog_51, JacAttac_53, JangoPhett_52, Jbug01_52, Jesabah_52, Kahve_51, Kailash_52, Karn_51, Katniss_53, Kikipoo_53, KingTut_43, Kiwot_52, Knocker_54, Kwksand96_51, Labeoufficaum_51, Larson_54, LasagnaCat_53, Lego3393_51, LeiMonet_52, LemonSlice_52, Longacauda_51, Lumine_51, Mag7_51, Magic8_52, Maskar_52, Mcshane_51, Megamind20_52, Megatron_53, Melc17_52, MelsMeow_52, Mesmerelda_51, MichaelPhcott_51, Morty_53, Mulan_52, Mutante_51, Nacho_0053, Nathan_52, Nehme_51, NiaNia_55, Nicole21_52, Nyala_51, OSmaximus_53, Olak_51, Oline_51, Orfeu_51, PG1_53, Pacifista_51, PallasAthena_51, Phamished_53, PhatCats2014_53, PhatLouie_52, PhenghisKhan_51, Phergie_52, Phipps_52, Phleuron_51, PhrankReynolds_50, PhrodoBaggins_52, Piglet_0052, PinheadLarry_52, Pinkman_51, Placalicious_51, Plata_51, Quisquiliae_52, RedMaple_52, Ricotta_51, Rimu_52, Rinkes_52, Robyn_51, Salazzle_52, SallyH_53, Scoot17C_53, Selr12_52, Serpentine_0052, ShadowBud_52, Sigman_53, Simielle_51, SirBeauregard_52, Squiggle_52, Struggle_51, Suigeneris_53, Swiphy_52, Swish_53, Taraxa_52, Telesworld_51, ThreeOh3D2_53, Thunderbird_51, Toni_51, True_51, Trypo_53, TyrionL_51, Usavi_52, Vectra_51, Virapocalypse_52, Virgeve_51, Waterdiva_52, Windsor_51, Yoshand_53, Zonia_52,

Genes that do not have the "Most Annotated" start:
• Abinghost_52, AbsoluteMadLad_52, Abt2graduatex2_54, Aelin_52, Agent47_64, Akoma_52, AksarBAT_47, Allegro_51, AlleyCat_66, Altwerkus_51, AnClar_46, AnarQue_48, Antonia_52, Apizium_52, Applejacks_34, Arbiter_50, Ares_51, Asis_54, Athena_54, Audrey_52, Axumite_46, BFK20_ORF41, BabyGotBac_55, Baloo_52, Bananafish_51, BananenDer11_64, Basato_53, BayC_54, Ben11_52, Bernardo_53, BiggityBass_45, BirdsNest_55, Blackpen_48, Blocker23_51, BobRoss2024_45, Boehler_52, Boilgate_67, Boyle_51, Briakila_52, Brownie5_51, Buckeye_52, CRB2_54, CaiB_49, Calamitous_51, Casbah_52, ChaChing_52, Chalmers_51, Chandler_52, CharlottesWeb_45, CheetO_52, Chentzyk_53, Chunky_52, CloverMinnie_48, Cobra_52, Coco2012_45, Coffee_51, Colbert_52, Coldpizza_47, Collard_62, Compostia_52, Cornbread_51, Corofin_52, Dadosky_66, Daisy_52, Deenasa_51, Devonte_51, Dione_51, DoesntMatter_51, DonSanchon_51, DoubleChamp_61, Eaglehorse_51, Edugator_63, EmGer13_53, EmiRose_31, EmpTee_52, Eremos_52, Evaa_45, Faze9_50, FelixTres_48, Feyre_67, Fozzie_51, Frankicide_52, FrenchFry_51, Fresco_46, Freya_51, Gadjet_53, Gengar_64, Gervas_53, Glass_51, GlenHope_53, Glubnar_53, Godines_51, Guillsminger_65, Gustav_35, Gyarad_0052, HSavage_52, Haimas_52, Halfpint_51, Hamish_52, HarveySr_51, Harvey_52, Hashim76_55, Heathcliff_52, Hedgerow_51, Heftyboy_65, Hertubise_52, Hetaeria_52, Holeinone_51, Horchata_52, Inverness_52,

InvictusManeo_62, ItsyBitsy1_51, Jackstina_48, JellyBelly_45, KLucky39_52, Kaleb_51, Kamiyu_52, Kheth_51, KingVeVeVe_52, KlimbOn_52, Kloppinator_53, Kolhan_51, Kratio_62, Kronus_52, Lars_51, Larva_65, Laurie_50, LeeLot_52, Lephleur_51, Leston_64, LestyG_51, Ligma_46, LilDirt_63, LilSmirk_51, LittleMinkey_57, LittleMunchkin_47, LizLemon_51, LuckyMarjie_51, Lulumae_51, Lulwa_52, Mahdia_34, Maih_53, MakoManhole_48, Manad_52, Mariokart_46, Marley1013_52, Marlia_53, MasterPo_51, Matalotodo_52, Mesh1_53, Mikota_52, MiniBoss_52, Miryou_68, Mischief19_63, MmasiCarm_53, Morrissey_35, Mortcellus_52, Morty007_52, MossRose_48, Mulaychimus_53, Murdoc_52, NHagos_47, Neighly_66, Neos5_52, Newman_52, Nova1_52, Nozo_52, Numberten_52, Obutu_53, OkiRoe_65, Olive_52, OliverWalter_52, Olivio_52, Omnicron_68, Oosterbaan_52, Opia_51, OrangeOswald_52, Paola_64, PenguinLover67_53, Phaedrus_49, Phantasmagoria_51, Phareon_52, Phayeta_54, Philly_51, Phlyer_52, Phunky_52, Pine5_45, Pipefish_54, Pipsqueak_52, Plmatters_52, Podrick_52, Pops_52, PrinceCharming_51, ProfessorX_52, Psycho_64, Puppers_33, Quesadilla_55, Qyrzula_48, RagingRooster_51, RainyPolka_53, Rando14_67, RedRaider89_53, Rhinoforte_51, Riggan_52, Rita1961_53, Riverton_52, RomaT_52, Roscoe_53, Rosebush_50, Roy17_52, SDcharge11_53, Sabella_50, Salete_54, Schadenfreude_52, Schueller_51, Shatter_46, Sheila_52, Shenandoah_51, ShiVal_52, SilverBell_52, Sisko_45, SlippinJimmy_54, SoSeph_65, Soto_52, Sour_50, Spartan300_52, Suffolk_52, Surely_52, SwainyDoc_53, SynergyX_52, TA17A_52, TP1604_54, TPA2_58, Thora_52, Thyatira_67, Tinciduntsolum_52, TinyTerror_53, TooFast2Furius_53, Tooj_52, TraderJ_49, Tres_51, Trine_32, Tydolla_51, UAch1_52, UncleHowie_52, Upyo_33, Vic9_00050, Vista_52, ViviJ_63, Waterfoul_66, West99_51, Widow_34, Wooper_49, WorMMAs_35, Xkcd426_57, YDN12_54, Yago84_45, Yahalom_51, Yeshua_49, Yinz_52, Zaider_53, Zelda_52, Zenteno07_56, phiAsp2_53,

Summary by start number:

Start 36:
• Found in 1 of 582 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Quesadilla_55 (B9),

Start 38:
• Found in 3 of 582 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Mahdia_34 (CD),

Start 40:
• Found in 191 of 582 (32.8%) of genes in pham
• Manual Annotations of this start: 128 of 513
• Called 73.8% of time when present
• Phage (with cluster) where this start called: Adriana_53 (B1), Aleia_52 (B1), AltPhacts_53 (B1), Anderson_52 (B1), Andre_53 (B1), AngelCake_52 (B1), Aonishiki_52 (B1), Ashraf_52 (B1), Badfish_53 (B1), BatteryCK_51 (B1), Beaglebox_51 (B1), BlackStallion_53 (B1), BlueHusk_52 (B1), Bluephacebaby_51 (B1), Brilliant_52 (B1), Burr_51 (B1), CampRoach_53 (B1), Caspiboi_51 (B1), Chaelin_52 (B1), Chah_54 (B1), Charles1_52 (B1), CharlieGBrown_51 (B1), Cher_51 (B1), Chuni_52 (B1), Chute_52 (B1), Coletti_52 (B1), Craff_53 (B1), Crownjwl_53

(B1), DelRivs_51 (B1), Derpp_51 (B1), Dice_51 (B1), DolOn_55 (B1), DuchessDung_51 (B1), Duggie_51 (B1), ElvisPhasley_53 (B1), Eugenia_52 (B1), Fang_53 (B1), FluffyNinja_53 (B1), FriarPreacher_51 (B1), FugateOSU_51 (B1), Gareth_51 (B1), GeneCoco_52 (B1), Giraffe_52 (B1), Grand2040_51 (B1), GreenChile_54 (B1), Gwennie1_52 (B1), Gwilliam_52 (B1), Hartsy_52 (B1), Hekos_49 (B1), HenryJackson_51 (B1), HighStump_52 (B1), Hocus_51 (B1), ImtiyazSitla_52 (B1), Inchworm_53 (B1), Iridessa_52 (B1), Iridoclysis_52 (B1), IsaacEli_53 (B1), JDog_51 (B1), JacAttac_53 (B1), JangoPhett_52 (B1), Jbug01_52 (B1), Jesabah_52 (B1), Kahve_51 (B1), Kailash_52 (B1), Karn_51 (B1), Kikipoo_53 (B1), KingTut_43 (B1), Kiwot_52 (B1), Kwksand96_51 (B1), Labeouficaum_51 (B1), LasagnaCat_53 (B1), Lego3393_51 (B1), LeiMonet_52 (B1), LemonSlice_52 (B1), Longacauda_51 (B1), Lumine_51 (B1), Magic8_52 (B1), Maskar_52 (B1), Mcshane_51 (B1), Megamind20_52 (B1), Megatron_53 (B1), Melc17_52 (B1), MelsMeow_52 (B1), Mesmerelda_51 (B1), MichaelPhcott_51 (B1), Morty_53 (B1), Mulan_52 (B1), Mutante_51 (B1), Nacho_0053 (B1), Nathan_52 (B1), NiaNia_55 (B1), Nicole21_52 (B1), Nyala_51 (B1), OSmaximus_53 (B1), Olak_51 (B1), Oline_51 (B1), Orfeu_51 (B1), Pacifista_51 (B1), PallasAthena_51 (B1), Phamished_53 (B1), PhatCats2014_53 (B1), PhatLouie_52 (B1), PhenghisKhan_51 (B1), Phergie_52 (B1), Phipps_52 (B1), Phleuron_51 (B1), PhrankReynolds_50 (B1), PhrodoBaggins_52 (B1), Piglet_0052 (B1), PinheadLarry_52 (B1), Pinkman_51 (B1), Placalicious_51 (B1), Quisquiliae_52 (B1), RedMaple_52 (B1), Ricotta_51 (B1), Robyn_51 (B1), SallyH_53 (B1), Scoot17C_53 (B1), Selr12_52 (B1), Serpentine_0052 (B1), ShadowBud_52 (B1), Sigman_53 (B1), Simielle_51 (B1), SirBeauregard_52 (B1), Squiggle_52 (B1), Swiphy_52 (B1), Swish_53 (B1), Taraxa_52 (B1), Telesworld_51 (B1), ThreeOh3D2_53 (B1), Thunderbird_51 (B1), Toni_51 (B1), True_51 (B1), TyrionL_51 (B1), Usavi_52 (B1), Vectra_51 (B1), Virapocalypse_52 (B1), Virgeve_51 (B1), Waterdiva_52 (B1), Windsor_51 (B1), Yoshand_53 (B1),

Start 44:
• Found in 11 of 582 (1.9%) of genes in pham
• Manual Annotations of this start: 7 of 513
• Called 63.6% of time when present
• Phage (with cluster) where this start called: Akoma_52 (B3), Bernardo_53 (B3), Chandler_52 (B3), Gadjet_53 (B3), Kamiyu_52 (B3), Nozo_52 (B3), OrangeOswald_52 (B3),

Start 45:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Hashim76_55 (B13),

Start 48:
• Found in 1 of 582 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_54 (B9),

Start 52:
• Found in 1 of 582 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rinkes_52 (B9),

Start 54:
• Found in 1 of 582 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Knocker_54 (B9),

Start 56:
• Found in 11 of 582 (1.9%) of genes in pham
• Manual Annotations of this start: 3 of 513
• Called 27.3% of time when present
• Phage (with cluster) where this start called: Compostia_52 (B3), Corofin_52 (B3), GlenHope_53 (B3),

Start 57:
• Found in 3 of 582 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Suigeneris_53 (B5),

Start 67:
• Found in 1 of 582 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mischief19_63 (BG),

Start 68:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Schueller_51 (B1),

Start 70:
• Found in 56 of 582 (9.6%) of genes in pham
• Manual Annotations of this start: 42 of 513
• Called 80.4% of time when present
• Phage (with cluster) where this start called: Abinghost_52 (B3), Athena_54 (B3), Audrey_52 (B3), Baloo_52 (B3), Ben11_52 (B3), Briakila_52 (B3), Casbah_52 (B3), ChaChing_52 (B3), Chalmers_51 (B3), Chentzyk_53 (B3), Daisy_52 (B3), Deenasa_51 (B3), Devonte_51 (B3), Gervas_53 (B3), Glubnar_53 (B3), Halfpint_51 (B3), HarveySr_51 (B3), Heathcliff_52 (B3), Jackstina_48 (B3), Kronus_52 (B3), LestyG_51 (B3), Marlia_53 (B3), MmasiCarm_53 (B3), Mortcellus_52 (B3), Morty007_52 (B3), Mulaychimus_53 (B3), Neos5_52 (B3), Obutu_53 (B3), Olivio_52 (B3), Phaedrus_49 (B3), Phayeta_54 (B3), Philly_51 (B3), Phlyer_52 (B3), Pipefish_54 (B3), RagingRooster_51 (B3), Rita1961_53 (B3), RomaT_52 (B3), Shenandoah_51 (B3), SlippinJimmy_54 (B3), SwainyDoc_53 (B3), SynergyX_52 (B3), TinyTerror_53 (B3), Tydolla_51 (B3), Yahalom_51 (B3), Yinz_52 (B3),

Start 71:
• Found in 8 of 582 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Mariokart_46 (DR),

Start 72:
• Found in 27 of 582 (4.6%) of genes in pham
• Manual Annotations of this start: 21 of 513
• Called 96.3% of time when present
• Phage (with cluster) where this start called: AnClar_46 (DR), AnarQue_48 (DR), Axumite_46 (DR), BiggityBass_45 (DR), Blackpen_48 (DR), BobRoss2024_45 (DR), CaiB_49 (DR), CharlottesWeb_45 (DR), CloverMinnie_48 (DR), Coco2012_45 (DR), Coldpizza_47 (DR), Evaa_45 (DR), FelixTres_48 (DR), Fresco_46 (DR), JellyBelly_45 (DR), Ligma_46 (DR), LittleMunchkin_47 (DR), MakoManhole_48 (DR), MossRose_48 (DR), Shatter_46 (DR), Sisko_45 (DR), Sour_50 (DR), TraderJ_49 (DR), Wooper_49 (DR), Yago84_45 (DR), Yeshua_49 (DR),

Start 73:
• Found in 80 of 582 (13.7%) of genes in pham
• Manual Annotations of this start: 70 of 513
• Called 91.2% of time when present
• Phage (with cluster) where this start called: AbsoluteMadLad_52 (B1), Aelin_52 (B1), Altwerkus_51 (B1), Antonia_52 (B1), Apizium_52 (B1), Boehler_52 (B1), Buckeye_52 (B1), CheetO_52 (B1), Chunky_52 (B1), Cobra_52 (B1), Dione_51 (B1), DoesntMatter_51 (B1), DonSanchon_51 (B1), EmpTee_52 (B1), Eremos_52 (B1), Fozzie_51 (B1), Frankicide_52 (B1), Freya_51 (B1), Gyarad_0052 (B1), HSavage_52 (B1), Haimas_52 (B1), Hamish_52 (B1), Harvey_52 (B1), Hertubise_52 (B1), Hetaeria_52 (B1), Horchata_52 (B1), Inverness_52 (B1), KLucky39_52 (B1), KingVeVeVe_52 (B1), KlimbOn_52 (B1), Kloppinator_53 (B1), LuckyMarjie_51 (B1), Lulumae_51 (B1), Lulwa_52 (B1), Manad_52 (B1), Matalotodo_52 (B1), Mesh1_53 (B1), Mikota_52 (B1), MiniBoss_52 (B1), Murdoc_52 (B1), Newman_52 (B1), Olive_52 (B1), OliverWalter_52 (B1), Oosterbaan_52 (B1), Phareon_52 (B1), Phunky_52 (B1), Pine5_45 (singleton), Pipsqueak_52 (B1), Plmatters_52 (B1), Podrick_52 (B1), Pops_52 (B1), RedRaider89_53 (B1), Riggan_52 (B1), Riverton_52 (B1), Roscoe_53 (B1), Roy17_52 (B1), SDcharge11_53 (B1), Schadenfreude_52 (B1), Sheila_52 (B1), ShiVal_52 (B1), SilverBell_52 (B1), Soto_52 (B1), Spartan300_52 (B1), Suffolk_52 (B1), Surely_52 (B1), TPA2_58 (singleton), Thora_52 (B1), TooFast2Furius_53 (B1), Tooj_52 (B1), UAch1_52 (B1), UncleHowie_52 (B1), Zaider_53 (B1), Zelda_52 (B1),

Start 74:
• Found in 318 of 582 (54.6%) of genes in pham
• Manual Annotations of this start: 130 of 513
• Called 50.3% of time when present
• Phage (with cluster) where this start called: 39HC_045 (B6), 40BC_045 (B6), Acadian_52 (B5), Ahwei_46 (B4), AlanGrant_50 (B4), Antihero_46 (B4), Apex_48 (B4), Austelle_48 (B4), Baee_53 (B5), Banjo_51 (B1), Bishoperium_51 (B1), BlacksBerry_51 (B1), BobbyK_48 (B4), BoogieWoogie_52 (B1), BrownCNA_49 (B4), CamL_52 (B1), Cannibal_52 (B1), Carthage_50 (B1), Causa_69 (AI), Childish_51 (B1), Chipette_53 (B1), Chorkpop_52 (B1), ChrisnMich_47 (B4), Cooper_48 (B4), Cornobble_51 (B1), Cosmolli16_52 (B1), DaddyDaniels_52 (B1), Daffy_52 (B1), Daka_53 (B1), Dati_52 (B1), DigitDog_52 (B5), Dingo_52 (B1), DirtJuice_52 (B1), Doddsville_52 (B1), Donny_53 (B5), Durga_53 (B1), EastView9101_51 (B5), Emiris_53 (B1), Epah_46 (B4), Etaye_52 (B1), Fanaw_46 (B4), Flake_52 (B1), FleetyMac_52 (B1), ForDig_46 (B6), Fortunato_48 (B4), Frederick_48 (B4), FremontTroll_51 (B1), Fringe_53 (B1), Funsized_55 (B9), GinPorsche_47 (B4), Haleema_51 (B1), Hally898_46 (B4), Hangman_47 (B4), Happabalu_52 (B1),

Heath_46 (B4), Held_52 (B1), HogWash_52 (B1), Hosp_044 (B6), Hydro_47 (B4), Imvubu_47 (B10), Indlovu_51 (B11), JAMaL_47 (B4), JaguarMi_49 (B4), JakeO_51 (B1), Jillium_51 (B1), Jiminy_51 (B1), Jiraiya_51 (B1), Jolie1_046 (B6), JoyceMaria_47 (B4), KarasumaRum_52 (B5), KayaCho_45 (B6), Keitherie_52 (B1), Khan1_51 (B1), Kimbrough_52 (B1), Kwadwo_51 (B1), Lambano_46 (B4), Lasso_52 (B1), Legolas_52 (B1), Lehmann_52 (B1), LilMcDreamy_50 (B12), LittleDigger_46 (B4), Lolalove_48 (B4), Lopsy_51 (B1), LostAndPhound_51 (B1), MRabcd_51 (B1), Magpie_46 (B4), Mana_51 (B1), Maru_51 (B1), Mecca_51 (B1), Minnow_47 (B6), MitKao_52 (B1), Mithril_47 (B4), Morgushi_52 (B1), Mosaic_51 (B1), MrPhizzler_52 (B1), Mudslide_47 (B4), Mysterious_50 (B5), Nanao_46 (B4), Nangang_52 (B5), Nehemiah_51 (B5), Nigel_47 (B4), Omniscient_52 (B1), OneBrain_53 (B1), Orion_53 (B1), Orwigg_51 (B1), Phelemich_50 (B5), Pherdinand_53 (B1), Poster_46 (B4), Potter_51 (B1), Prickles_52 (B1), Prince_47 (B4), Puhltonio_52 (B1), QueenBeane_52 (B1), QueenPie_46 (B4), RawrgerThat_48 (B4), Reccee_52 (B5), Renkei_46 (B4), Reprobate_51 (B5), Rich_52 (B5), Rita130_51 (B5), Roliet_52 (B1), Saguaro_54 (B7), Samaymay_52 (B1), SassyCat97_51 (B1), Scrick_52 (B1), Septica_51 (B1), Serendipitous_51 (B5), Serendipity_52 (B1), Shenyu_52 (B5), SirJeffery_51 (B5), Skippy_52 (B1), Slatt_52 (B1), Soile_52 (B1), Solosis_51 (B1), Sophia_51 (B1), Squid_52 (B1), StAugustine_69 (AI), Stinger_46 (B4), StinkyVeggy_52 (B5), TallGrassMM_52 (B1), Thonko_54 (B8), Timmi_51 (B1), TomBombadil_52 (B1), Tomlarah_52 (B1), Triad_52 (B1), Vaishali24_51 (B1), Valjean_52 (B1), Vaticameos_48 (B1), Veritas_51 (B1), Vincenzo_49 (B4), VioletZ_49 (B4), Vivaldi_54 (B1), Vortex_52 (B1), Waleliano_47 (B4), Wallhey_51 (B1), Weher20_52 (B1), Xavier_51 (B1), Xincheng_48 (B4), YouGoGlencoco_52 (B1), Zemanar_48 (B4),

Start 75:
• Found in 3 of 582 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Applejacks_34 (CD),

Start 76:
• Found in 39 of 582 (6.7%) of genes in pham
• Manual Annotations of this start: 36 of 513
• Called 94.9% of time when present
• Phage (with cluster) where this start called: Allegro_51 (B2), Arbiter_50 (B2), Ares_51 (B2), Bananafish_51 (B2), Blocker23_51 (B2), Boyle_51 (B2), Brownie5_51 (B2), Calamitous_51 (B2), Coffee_51 (B2), Eaglehorse_51 (B2), Faze9_50 (B2), FrenchFry_51 (B2), Glass_51 (B2), Godines_51 (B2), Hedgerow_51 (B2), Holeinone_51 (B2), ItsyBitsy1_51 (B2), Kaleb_51 (B2), Kheth_51 (B2), Kolhan_51 (B2), Lars_51 (B2), Laurie_50 (B2), Lephleur_51 (B2), LilSmirk_51 (B2), LizLemon_51 (B2), MasterPo_51 (B2), Opia_51 (B2), Phantasmagoria_51 (B2), PrinceCharming_51 (B2), Qyrzula_48 (B2), Rhinoforte_51 (B2), Rosebush_50 (B2), Sabella_50 (B2), TA17A_52 (B2), Tinciduntsolum_52 (B2), Tres_51 (B2), West99_51 (B2),

Start 77:
• Found in 3 of 582 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 33.3% of time when present
• Phage (with cluster) where this start called: PenguinLover67_53 (B9),

Start 78:
• Found in 2 of 582 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AksarBAT_47 (DR), NHagos_47 (DR),

Start 79:
• Found in 30 of 582 (5.2%) of genes in pham
• Manual Annotations of this start: 26 of 513
• Called 96.7% of time when present
• Phage (with cluster) where this start called: Agent47_64 (K5), AlleyCat_66 (K5), BFK20_ORF41 (singleton), BananenDer11_64 (K5), Boilgate_67 (K8), Collard_62 (K5), Dadosky_66 (K5), DoubleChamp_61 (K5), Edugator_63 (K5), Feyre_67 (K5), Gengar_64 (K5), Guillsminger_65 (K5), Heftyboy_65 (K5), InvictusManeo_62 (K5), Kratio_62 (K5), Larva_65 (K5), Leston_64 (K5), LilDirt_63 (K5), Miryou_68 (K5), Neighly_66 (K3), OkiRoe_65 (K5), Omnicron_68 (K5), Paola_64 (K5), Psycho_64 (K5), Rando14_67 (K5), SoSeph_65 (K5), Thyatira_67 (K5), ViviJ_63 (K5), Waterfoul_66 (K5),

Start 80:
• Found in 4 of 582 (0.7%) of genes in pham
• Manual Annotations of this start: 2 of 513
• Called 75.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_55 (B13), LittleMinkey_57 (B13), Zenteno07_56 (B13),

Start 81:
• Found in 10 of 582 (1.7%) of genes in pham
• Manual Annotations of this start: 7 of 513
• Called 80.0% of time when present
• Phage (with cluster) where this start called: EmiRose_31 (singleton), Gustav_35 (CD), Morrissey_35 (CD), Puppers_33 (CD), Trine_32 (CD), Upyo_33 (CD), Widow_34 (CD), WorMMAs_35 (UNK),

Start 82:
• Found in 35 of 582 (6.0%) of genes in pham
• Manual Annotations of this start: 2 of 513
• Called 5.7% of time when present
• Phage (with cluster) where this start called: Vic9_00050 (B2), Xkcd426_57 (BG),

Start 83:
• Found in 9 of 582 (1.5%) of genes in pham
• Manual Annotations of this start: 9 of 513
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abt2graduatex2_54 (BG), Asis_54 (BG), BabyGotBac_55 (BG), BayC_54 (BG), Maih_53 (BG), RainyPolka_53 (BG), Salete_54 (BG), TP1604_54 (BG), YDN12_54 (BG),

Start 85:
• 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: phiAsp2_53 (singleton),

Start 87:
• Found in 339 of 582 (58.2%) of genes in pham
• Manual Annotations of this start: 14 of 513
• Called 5.6% of time when present
• Phage (with cluster) where this start called: Basato_53 (B1), Colbert_52 (B1), Cornbread_51 (B1), EmGer13_53 (B1), Gophee_52 (B1), Katniss_53 (B1), Larson_54 (B1), LeeLot_52 (B1), Mag7_51 (B1), Nehme_51 (B1), Nova1_52 (B1), PG1_53 (B1), Plata_51 (B1), Rimu_52 (B1), Salazzle_52 (B1), Struggle_51 (B1), Trypo_53 (B1), Vista_52 (B1), Zonia_52 (B1),

Start 92:
• Found in 323 of 582 (55.5%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 0.3% of time when present
• Phage (with cluster) where this start called: ProfessorX_52 (B1),

Start 94:
• Found in 323 of 582 (55.5%) of genes in pham
• Manual Annotations of this start: 2 of 513
• Called 0.9% of time when present
• Phage (with cluster) where this start called: ABU_53 (B1), Azuria_51 (B1), Numberten_52 (B1),

Start 108:
• Found in 151 of 582 (25.9%) of genes in pham
• Manual Annotations of this start: 1 of 513
• Called 0.7% of time when present
• Phage (with cluster) where this start called: Marley1013_52 (B3),

Summary by clusters:

There are 22 clusters represented in this pham: singleton, BG, B10, K3, B12, B13, K5, B11, K8, DR, AI, CD, UNK, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AI:
•Start number 74 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B1:
•Start number 40 was manually annotated 128 times for cluster B1.
•Start number 68 was manually annotated 1 time for cluster B1.
•Start number 73 was manually annotated 70 times for cluster B1.
•Start number 74 was manually annotated 81 times for cluster B1.
•Start number 87 was manually annotated 14 times for cluster B1.
•Start number 92 was manually annotated 1 time for cluster B1.
•Start number 94 was manually annotated 2 times for cluster B1.

Info for manual annotations of cluster B10:
•Start number 74 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 74 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 74 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 45 was manually annotated 1 time for cluster B13.
•Start number 80 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 76 was manually annotated 36 times for cluster B2.
•Start number 82 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:
•Start number 44 was manually annotated 7 times for cluster B3.
•Start number 56 was manually annotated 3 times for cluster B3.
•Start number 70 was manually annotated 42 times for cluster B3.
•Start number 108 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:
•Start number 74 was manually annotated 29 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 57 was manually annotated 1 time for cluster B5.
•Start number 74 was manually annotated 10 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 74 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:
•Start number 74 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 74 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 36 was manually annotated 1 time for cluster B9.
•Start number 48 was manually annotated 1 time for cluster B9.
•Start number 52 was manually annotated 1 time for cluster B9.
•Start number 54 was manually annotated 1 time for cluster B9.
•Start number 74 was manually annotated 1 time for cluster B9.
•Start number 77 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster BG:
•Start number 67 was manually annotated 1 time for cluster BG.
•Start number 82 was manually annotated 1 time for cluster BG.
•Start number 83 was manually annotated 9 times for cluster BG.

Info for manual annotations of cluster CD:
•Start number 38 was manually annotated 1 time for cluster CD.
•Start number 81 was manually annotated 6 times for cluster CD.

Info for manual annotations of cluster DR:
•Start number 71 was manually annotated 1 time for cluster DR.
•Start number 72 was manually annotated 21 times for cluster DR.

•Start number 78 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster K5:
•Start number 79 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K8:
•Start number 79 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: 39HC_045 Start: 45303, Stop: 43558, Start Num: 74
Candidate Starts for 39HC_045:
(47, 45402), (60, 45369), (Start: 74 @45303 has 130 MA's), (113, 45084), (132, 44997), (133, 44994), (137, 44973), (149, 44913), (156, 44844), (160, 44823), (161, 44802), (166, 44784), (168, 44772), (171, 44736), (178, 44703), (183, 44670), (185, 44661), (188, 44625), (189, 44622), (192, 44601), (213, 44481), (215, 44469), (224, 44406), (227, 44394), (229, 44367), (230, 44355), (236, 44310), (237, 44307), (241, 44262), (245, 44232), (256, 44181), (263, 44133), (268, 44103), (293, 43989), (294, 43980), (295, 43971), (300, 43953), (306, 43941), (308, 43938), (316, 43914), (317, 43911), (323, 43884), (335, 43839), (340, 43830), (352, 43788), (382, 43656), (386, 43632),

Gene: 40BC_045 Start: 45303, Stop: 43558, Start Num: 74
Candidate Starts for 40BC_045:
(47, 45402), (60, 45369), (Start: 74 @45303 has 130 MA's), (113, 45084), (132, 44997), (133, 44994), (137, 44973), (149, 44913), (156, 44844), (160, 44823), (161, 44802), (166, 44784), (168, 44772), (171, 44736), (178, 44703), (183, 44670), (185, 44661), (188, 44625), (189, 44622), (192, 44601), (213, 44481), (215, 44469), (224, 44406), (227, 44394), (229, 44367), (230, 44355), (236, 44310), (237, 44307), (241, 44262), (245, 44232), (256, 44181), (263, 44133), (268, 44103), (293, 43989), (294, 43980), (295, 43971), (300, 43953), (306, 43941), (308, 43938), (316, 43914), (317, 43911), (323, 43884), (335, 43839), (340, 43830), (352, 43788), (382, 43656), (386, 43632),

Gene: ABU_53 Start: 46989, Stop: 45376, Start Num: 94
Candidate Starts for ABU_53:
(Start: 40 @47172 has 128 MA's), (Start: 74 @47079 has 130 MA's), (Start: 87 @47055 has 14 MA's), (Start: 92 @46998 has 1 MA's), (Start: 94 @46989 has 2 MA's), (109, 46899), (113, 46866), (126, 46809), (128, 46797), (133, 46773), (136, 46761), (137, 46752), (149, 46692), (160, 46602), (166, 46557), (173, 46497), (183, 46443), (189, 46395), (192, 46374), (215, 46242), (225, 46173), (227, 46167), (229, 46140), (231, 46125), (236, 46083), (241, 46035), (245, 46005), (251, 45978), (285, 45852), (287, 45846), (291, 45819), (301, 45774), (308, 45759), (310, 45753), (326, 45699), (330, 45690), (386, 45462), (394, 45426),

Gene: Abinghost_52 Start: 47147, Stop: 45450, Start Num: 70
Candidate Starts for Abinghost_52:
(Start: 70 @47147 has 42 MA's), (Start: 108 @46949 has 1 MA's), (113, 46913), (126, 46856), (137, 46799), (145, 46757), (147, 46751), (152, 46694), (157, 46667), (160, 46649), (173, 46544), (187, 46454), (189, 46442), (192, 46421), (199, 46376), (210, 46313), (222, 46229), (226, 46214), (227, 46211), (228, 46208), (229, 46184), (232, 46166), (236, 46127), (241, 46079), (245, 46049), (250, 46025), (257, 45983), (283, 45905), (289, 45878), (298, 45827), (308, 45803), (326, 45755), (339, 45716), (356, 45674), (377, 45569), (386, 45527), (389, 45512), (392, 45494),

Gene: AbsoluteMadLad_52 Start: 47183, Stop: 45480, Start Num: 73
Candidate Starts for AbsoluteMadLad_52:
(Start: 73 @47183 has 70 MA's), (Start: 87 @47159 has 14 MA's), (Start: 92 @47102 has 1 MA's), (Start: 94 @47093 has 2 MA's), (109, 47003), (113, 46970), (126, 46913), (128, 46901), (133, 46877), (136, 46865), (137, 46856), (149, 46796), (160, 46706), (166, 46661), (173, 46601), (183, 46547), (189, 46499), (192, 46478), (215, 46346), (225, 46277), (227, 46271), (229, 46244), (231, 46229), (236, 46187), (241, 46139), (245, 46109), (251, 46082), (285, 45956), (287, 45950), (291, 45923), (301, 45878), (308, 45863), (310, 45857), (326, 45803), (330, 45794), (386, 45566), (394, 45530),

Gene: Abt2graduatex2_54 Start: 44800, Stop: 46635, Start Num: 83
Candidate Starts for Abt2graduatex2_54:
(Start: 83 @44800 has 9 MA's), (95, 44881), (97, 44887), (107, 44974), (109, 44980), (117, 45034), (118, 45037), (124, 45061), (136, 45118), (142, 45154), (148, 45178), (154, 45241), (159, 45265), (162, 45292), (168, 45325), (170, 45352), (180, 45400), (200, 45550), (201, 45559), (203, 45577), (208, 45598), (212, 45619), (226, 45706), (227, 45709), (230, 45748), (236, 45793), (237, 45796), (246, 45877), (285, 46072), (297, 46144), (315, 46195), (324, 46273), (329, 46288), (350, 46366), (356, 46390), (361, 46411), (377, 46501),

Gene: Acadian_52 Start: 47834, Stop: 46140, Start Num: 74
Candidate Starts for Acadian_52:
(Start: 74 @47834 has 130 MA's), (Start: 87 @47807 has 14 MA's), (96, 47735), (113, 47618), (133, 47528), (142, 47480), (145, 47465), (149, 47447), (156, 47378), (160, 47357), (178, 47237), (183, 47204), (189, 47156), (192, 47135), (213, 47015), (224, 46940), (225, 46934), (227, 46928), (228, 46925), (229, 46901), (230, 46889), (231, 46886), (236, 46844), (245, 46766), (265, 46679), (276, 46643), (281, 46631), (285, 46610), (286, 46607), (293, 46568), (295, 46550), (300, 46532), (308, 46514), (386, 46217),

Gene: Adriana_53 Start: 47170, Stop: 45374, Start Num: 40
Candidate Starts for Adriana_53:
(Start: 40 @47170 has 128 MA's), (Start: 74 @47077 has 130 MA's), (Start: 87 @47053 has 14 MA's), (Start: 92 @46996 has 1 MA's), (Start: 94 @46987 has 2 MA's), (109, 46897), (113, 46864), (126, 46807), (128, 46795), (133, 46771), (136, 46759), (137, 46750), (149, 46690), (160, 46600), (166, 46555), (173, 46495), (189, 46393), (192, 46372), (215, 46240), (225, 46171), (227, 46165), (229, 46138), (231, 46123), (236, 46081), (241, 46033), (245, 46003), (251, 45976), (285, 45850), (287, 45844), (291, 45817), (300, 45775), (301, 45772), (308, 45757), (310, 45751), (326, 45697), (330, 45688), (386, 45460), (394, 45424),

Gene: Aelin_52 Start: 46747, Stop: 45044, Start Num: 73
Candidate Starts for Aelin_52:
(Start: 73 @46747 has 70 MA's), (Start: 87 @46723 has 14 MA's), (Start: 92 @46666 has 1 MA's), (Start: 94 @46657 has 2 MA's), (109, 46567), (113, 46534), (126, 46477), (128, 46465), (133, 46441), (136, 46429), (137, 46420), (149, 46360), (160, 46270), (166, 46225), (173, 46165), (189, 46063), (192, 46042), (215, 45910), (225, 45841), (227, 45835), (229, 45808), (231, 45793), (236, 45751), (241, 45703), (245, 45673), (251, 45646), (285, 45520), (287, 45514), (291, 45487), (301, 45442), (308, 45427), (310, 45421), (326, 45367), (330, 45358), (386, 45130), (394, 45094),

Gene: Agent47_64 Start: 44063, Stop: 45775, Start Num: 79
Candidate Starts for Agent47_64:
(Start: 79 @44063 has 26 MA's), (97, 44156), (101, 44198), (Start: 108 @44234 has 1 MA's), (109, 44237), (112, 44261), (113, 44270), (122, 44309), (126, 44327), (137, 44384), (142, 44411), (143, 44414), (151, 44477), (160, 44537), (164, 44567), (166, 44576), (176, 44651), (177, 44654), (185, 44699), (187, 44726), (188, 44735), (189, 44738), (197, 44804), (198, 44807), (199, 44810), (201, 44825), (202, 44840), (213, 44885), (215, 44897), (228, 44975), (229, 44999), (230, 45011), (231,

45014), (232, 45017), (234, 45038), (236, 45056), (241, 45104), (248, 45143), (252, 45164), (273, 45248), (284, 45290), (289, 45314), (295, 45359), (296, 45362), (306, 45395), (315, 45419), (327, 45473), (330, 45479), (334, 45503), (366, 45620), (373, 45662), (379, 45686),

Gene: Ahwei_46 Start: 46387, Stop: 44672, Start Num: 74
Candidate Starts for Ahwei_46:
(Start: 74 @46387 has 130 MA's), (110, 46195), (113, 46165), (117, 46144), (126, 46108), (133, 46072), (135, 46063), (156, 45922), (160, 45901), (161, 45880), (173, 45802), (178, 45781), (183, 45748), (185, 45739), (188, 45703), (189, 45700), (193, 45676), (213, 45559), (215, 45547), (219, 45523), (225, 45478), (227, 45472), (229, 45445), (230, 45433), (231, 45430), (236, 45388), (241, 45340), (245, 45310), (256, 45259), (270, 45211), (281, 45175), (285, 45154), (286, 45151), (293, 45112), (300, 45076), (306, 45061), (308, 45058), (312, 45049), (317, 45031), (323, 45004), (330, 44983), (359, 44872), (386, 44749), (395, 44710), (398, 44698),

Gene: Akoma_52 Start: 47260, Stop: 45461, Start Num: 44
Candidate Starts for Akoma_52:
(16, 47446), (18, 47425), (25, 47350), (Start: 44 @47260 has 7 MA's), (53, 47236), (Start: 56 @47230 has 3 MA's), (58, 47227), (Start: 70 @47158 has 42 MA's), (Start: 108 @46960 has 1 MA's), (113, 46924), (126, 46867), (137, 46810), (145, 46768), (147, 46762), (152, 46705), (157, 46678), (160, 46660), (173, 46555), (187, 46465), (189, 46453), (192, 46432), (199, 46387), (210, 46324), (222, 46240), (226, 46225), (227, 46222), (228, 46219), (229, 46195), (232, 46177), (236, 46138), (241, 46090), (245, 46060), (250, 46036), (257, 45994), (283, 45916), (289, 45889), (298, 45838), (308, 45814), (326, 45766), (339, 45727), (356, 45685), (377, 45580), (386, 45538), (389, 45523),

Gene: AksarBAT_47 Start: 41017, Stop: 39344, Start Num: 78
Candidate Starts for AksarBAT_47:
(Start: 78 @41017 has 1 MA's), (96, 40918), (97, 40915), (100, 40885), (Start: 108 @40837 has 1 MA's), (113, 40801), (114, 40789), (145, 40645), (156, 40555), (160, 40534), (178, 40411), (183, 40378), (189, 40330), (193, 40306), (194, 40297), (202, 40234), (213, 40189), (225, 40108), (226, 40105), (227, 40102), (229, 40075), (230, 40063), (236, 40018), (241, 39970), (245, 39940), (254, 39898), (285, 39790), (286, 39787), (306, 39700), (308, 39697), (352, 39574), (361, 39535), (386, 39415),

Gene: AlanGrant_50 Start: 48162, Stop: 46462, Start Num: 74
Candidate Starts for AlanGrant_50:
(7, 48621), (10, 48567), (Start: 74 @48162 has 130 MA's), (88, 48114), (110, 47970), (113, 47940), (126, 47883), (128, 47871), (136, 47835), (156, 47697), (160, 47676), (178, 47556), (183, 47523), (189, 47475), (193, 47451), (196, 47436), (215, 47322), (224, 47259), (227, 47247), (229, 47220), (230, 47208), (231, 47205), (236, 47163), (241, 47115), (245, 47085), (254, 47043), (256, 47034), (280, 46962), (281, 46959), (285, 46938), (292, 46902), (293, 46896), (295, 46878), (300, 46860), (306, 46845), (317, 46815), (359, 46662), (383, 46554), (386, 46539), (398, 46488),

Gene: Aleia_52 Start: 46603, Stop: 44807, Start Num: 40
Candidate Starts for Aleia_52:
(Start: 40 @46603 has 128 MA's), (Start: 74 @46510 has 130 MA's), (Start: 87 @46486 has 14 MA's), (Start: 92 @46429 has 1 MA's), (Start: 94 @46420 has 2 MA's), (109, 46330), (113, 46297), (126, 46240), (128, 46228), (133, 46204), (136, 46192), (137, 46183), (149, 46123), (160, 46033), (166, 45988), (173, 45928), (183, 45874), (189, 45826), (192, 45805), (215, 45673), (225, 45604), (227, 45598), (229, 45571), (231, 45556), (236, 45514), (241, 45466), (245, 45436), (251, 45409), (285, 45283), (287, 45277), (291, 45250), (301, 45205), (308, 45190), (310, 45184), (326, 45130), (330, 45121), (386, 44893), (394, 44857),

Gene: Allegro_51 Start: 46564, Stop: 44852, Start Num: 76

Candidate Starts for Allegro_51:
(9, 46993), (11, 46957), (13, 46885), (15, 46870), (19, 46819), (Start: 76 @46564 has 36 MA's), (Start: 82 @46552 has 2 MA's), (107, 46381), (Start: 108 @46378 has 1 MA's), (113, 46342), (114, 46330), (117, 46321), (126, 46285), (127, 46282), (133, 46249), (145, 46186), (160, 46078), (166, 46039), (178, 45958), (183, 45925), (185, 45916), (189, 45877), (192, 45856), (193, 45853), (199, 45811), (201, 45796), (202, 45781), (209, 45751), (215, 45724), (220, 45676), (226, 45652), (227, 45649), (229, 45622), (230, 45610), (232, 45604), (236, 45565), (241, 45517), (245, 45487), (246, 45481), (256, 45436), (270, 45361), (273, 45349), (280, 45325), (281, 45322), (284, 45307), (295, 45241), (308, 45208), (332, 45130), (344, 45100), (345, 45097), (352, 45085), (361, 45046), (377, 44968), (378, 44965), (386, 44926), (401, 44860),

Gene: AlleyCat_66 Start: 44390, Stop: 46105, Start Num: 79
Candidate Starts for AlleyCat_66:
(Start: 79 @44390 has 26 MA's), (97, 44483), (101, 44525), (Start: 108 @44561 has 1 MA's), (109, 44564), (112, 44588), (113, 44597), (122, 44636), (126, 44654), (137, 44711), (142, 44738), (143, 44741), (151, 44804), (160, 44864), (164, 44894), (166, 44903), (176, 44978), (177, 44981), (187, 45053), (188, 45062), (189, 45065), (197, 45131), (198, 45134), (199, 45137), (201, 45152), (202, 45167), (205, 45182), (213, 45212), (215, 45224), (229, 45326), (230, 45338), (231, 45341), (232, 45344), (234, 45365), (236, 45383), (241, 45431), (247, 45464), (252, 45491), (284, 45620), (289, 45644), (295, 45689), (296, 45692), (306, 45725), (315, 45749), (327, 45803), (330, 45809), (334, 45833), (366, 45950), (370, 45965), (373, 45992), (379, 46016),

Gene: AltPhacts_53 Start: 47255, Stop: 45453, Start Num: 40
Candidate Starts for AltPhacts_53:
(Start: 40 @47255 has 128 MA's), (Start: 74 @47159 has 130 MA's), (Start: 87 @47135 has 14 MA's), (Start: 92 @47078 has 1 MA's), (Start: 94 @47069 has 2 MA's), (109, 46979), (113, 46946), (126, 46889), (128, 46877), (133, 46853), (136, 46841), (137, 46832), (149, 46772), (160, 46682), (166, 46637), (173, 46577), (183, 46523), (189, 46475), (192, 46454), (215, 46322), (225, 46253), (227, 46247), (229, 46220), (231, 46205), (236, 46163), (241, 46115), (245, 46085), (251, 46058), (285, 45932), (287, 45926), (291, 45899), (301, 45854), (308, 45839), (310, 45833), (326, 45779), (330, 45770), (386, 45539), (394, 45503),

Gene: Altwerkus_51 Start: 46635, Stop: 44932, Start Num: 73
Candidate Starts for Altwerkus_51:
(Start: 73 @46635 has 70 MA's), (Start: 87 @46611 has 14 MA's), (Start: 92 @46554 has 1 MA's), (Start: 94 @46545 has 2 MA's), (109, 46455), (113, 46422), (126, 46365), (128, 46353), (133, 46329), (136, 46317), (137, 46308), (149, 46248), (160, 46158), (166, 46113), (173, 46053), (183, 45999), (189, 45951), (192, 45930), (215, 45798), (225, 45729), (227, 45723), (229, 45696), (231, 45681), (236, 45639), (241, 45591), (245, 45561), (251, 45534), (285, 45408), (287, 45402), (291, 45375), (301, 45330), (308, 45315), (310, 45309), (326, 45255), (330, 45246), (386, 45018), (394, 44982),

Gene: AnClar_46 Start: 42409, Stop: 40748, Start Num: 72
Candidate Starts for AnClar_46:
(Start: 72 @42409 has 21 MA's), (91, 42343), (97, 42301), (Start: 108 @42223 has 1 MA's), (109, 42220), (113, 42187), (126, 42130), (156, 41944), (160, 41923), (178, 41803), (189, 41722), (192, 41701), (196, 41683), (197, 41662), (199, 41656), (216, 41563), (226, 41497), (227, 41494), (229, 41467), (231, 41452), (236, 41410), (245, 41332), (255, 41284), (326, 41050), (330, 41041), (351, 40981), (352, 40978), (361, 40939), (380, 40855), (386, 40819),

Gene: AnarQue_48 Start: 41995, Stop: 40328, Start Num: 72
Candidate Starts for AnarQue_48:
(Start: 72 @41995 has 21 MA's), (97, 41890), (100, 41860), (107, 41815), (Start: 108 @41812 has 1 MA's), (113, 41776), (114, 41764), (156, 41530), (160, 41509), (173, 41407), (188, 41308), (189,

41305), (194, 41272), (213, 41164), (225, 41083), (226, 41080), (227, 41077), (229, 41050), (230, 41038), (231, 41035), (236, 40993), (245, 40915), (247, 40906), (254, 40873), (285, 40765), (286, 40762), (295, 40705), (306, 40675), (308, 40672), (362, 40522), (386, 40405), (401, 40339),

Gene: Anderson_52 Start: 47027, Stop: 45231, Start Num: 40
Candidate Starts for Anderson_52:
(Start: 40 @47027 has 128 MA's), (Start: 74 @46934 has 130 MA's), (Start: 87 @46910 has 14 MA's), (Start: 92 @46853 has 1 MA's), (Start: 94 @46844 has 2 MA's), (109, 46754), (113, 46721), (126, 46664), (128, 46652), (133, 46628), (136, 46616), (137, 46607), (149, 46547), (160, 46457), (166, 46412), (173, 46352), (183, 46298), (189, 46250), (192, 46229), (215, 46097), (225, 46028), (227, 46022), (229, 45995), (231, 45980), (236, 45938), (241, 45890), (245, 45860), (251, 45833), (285, 45707), (287, 45701), (291, 45674), (301, 45629), (308, 45614), (310, 45608), (326, 45554), (330, 45545), (386, 45317), (394, 45281),

Gene: Andre_53 Start: 47164, Stop: 45368, Start Num: 40
Candidate Starts for Andre_53:
(Start: 40 @47164 has 128 MA's), (Start: 74 @47071 has 130 MA's), (Start: 87 @47047 has 14 MA's), (Start: 92 @46990 has 1 MA's), (Start: 94 @46981 has 2 MA's), (109, 46891), (113, 46858), (126, 46801), (128, 46789), (133, 46765), (136, 46753), (137, 46744), (149, 46684), (160, 46594), (166, 46549), (173, 46489), (183, 46435), (189, 46387), (192, 46366), (215, 46234), (225, 46165), (227, 46159), (229, 46132), (231, 46117), (236, 46075), (241, 46027), (245, 45997), (251, 45970), (285, 45844), (287, 45838), (291, 45811), (301, 45766), (308, 45751), (310, 45745), (326, 45691), (330, 45682), (386, 45454), (394, 45418),

Gene: AngelCake_52 Start: 47049, Stop: 45253, Start Num: 40
Candidate Starts for AngelCake_52:
(Start: 40 @47049 has 128 MA's), (Start: 74 @46956 has 130 MA's), (Start: 87 @46932 has 14 MA's), (Start: 92 @46875 has 1 MA's), (Start: 94 @46866 has 2 MA's), (109, 46776), (113, 46743), (126, 46686), (128, 46674), (133, 46650), (136, 46638), (137, 46629), (149, 46569), (160, 46479), (166, 46434), (173, 46374), (183, 46320), (189, 46272), (192, 46251), (215, 46119), (225, 46050), (227, 46044), (229, 46017), (231, 46002), (236, 45960), (241, 45912), (245, 45882), (251, 45855), (285, 45729), (287, 45723), (291, 45696), (301, 45651), (308, 45636), (310, 45630), (326, 45576), (330, 45567), (386, 45339), (394, 45303),

Gene: Antihero_46 Start: 46387, Stop: 44672, Start Num: 74
Candidate Starts for Antihero_46:
(Start: 74 @46387 has 130 MA's), (110, 46195), (113, 46165), (117, 46144), (126, 46108), (133, 46072), (135, 46063), (156, 45922), (160, 45901), (161, 45880), (173, 45802), (178, 45781), (183, 45748), (185, 45739), (188, 45703), (189, 45700), (193, 45676), (213, 45559), (215, 45547), (219, 45523), (225, 45478), (227, 45472), (229, 45445), (230, 45433), (231, 45430), (236, 45388), (241, 45340), (245, 45310), (256, 45259), (270, 45211), (281, 45175), (285, 45154), (286, 45151), (293, 45112), (300, 45076), (306, 45061), (308, 45058), (312, 45049), (317, 45031), (323, 45004), (330, 44983), (359, 44872), (386, 44749),

Gene: Antonia_52 Start: 46747, Stop: 45044, Start Num: 73
Candidate Starts for Antonia_52:
(Start: 73 @46747 has 70 MA's), (Start: 87 @46723 has 14 MA's), (Start: 92 @46666 has 1 MA's), (Start: 94 @46657 has 2 MA's), (109, 46567), (113, 46534), (126, 46477), (128, 46465), (133, 46441), (136, 46429), (137, 46420), (149, 46360), (160, 46270), (166, 46225), (173, 46165), (189, 46063), (192, 46042), (215, 45910), (225, 45841), (227, 45835), (229, 45808), (231, 45793), (236, 45751), (241, 45703), (245, 45673), (251, 45646), (285, 45520), (287, 45514), (291, 45487), (301, 45442), (308, 45427), (310, 45421), (326, 45367), (330, 45358), (386, 45130), (394, 45094),

Gene: Aonishiki_52 Start: 47070, Stop: 45274, Start Num: 40
Candidate Starts for Aonishiki_52:
(Start: 40 @47070 has 128 MA's), (Start: 74 @46977 has 130 MA's), (Start: 87 @46953 has 14 MA's), (Start: 92 @46896 has 1 MA's), (Start: 94 @46887 has 2 MA's), (109, 46797), (113, 46764), (126, 46707), (128, 46695), (133, 46671), (136, 46659), (137, 46650), (149, 46590), (160, 46500), (166, 46455), (173, 46395), (189, 46293), (192, 46272), (215, 46140), (225, 46071), (227, 46065), (229, 46038), (231, 46023), (236, 45981), (241, 45933), (245, 45903), (251, 45876), (285, 45750), (287, 45744), (291, 45717), (300, 45675), (301, 45672), (308, 45657), (310, 45651), (326, 45597), (330, 45588), (386, 45360), (394, 45324),

Gene: Apex_48 Start: 47628, Stop: 45916, Start Num: 74
Candidate Starts for Apex_48:
(Start: 74 @47628 has 130 MA's), (107, 47445), (113, 47406), (117, 47385), (133, 47316), (149, 47235), (156, 47166), (160, 47145), (173, 47046), (178, 47025), (183, 46992), (185, 46983), (188, 46947), (189, 46944), (193, 46920), (211, 46809), (213, 46803), (215, 46791), (225, 46722), (227, 46716), (229, 46689), (230, 46677), (231, 46674), (236, 46632), (241, 46584), (245, 46554), (281, 46419), (284, 46404), (285, 46398), (286, 46395), (292, 46362), (293, 46356), (294, 46347), (300, 46320), (306, 46305), (308, 46302), (312, 46293), (317, 46275), (323, 46248), (330, 46227), (359, 46116), (386, 45993), (395, 45954), (398, 45942),

Gene: Apizium_52 Start: 46832, Stop: 45129, Start Num: 73
Candidate Starts for Apizium_52:
(Start: 73 @46832 has 70 MA's), (Start: 87 @46808 has 14 MA's), (Start: 92 @46751 has 1 MA's), (Start: 94 @46742 has 2 MA's), (109, 46652), (113, 46619), (126, 46562), (128, 46550), (133, 46526), (136, 46514), (137, 46505), (149, 46445), (160, 46355), (166, 46310), (173, 46250), (183, 46196), (189, 46148), (192, 46127), (215, 45995), (225, 45926), (227, 45920), (229, 45893), (231, 45878), (236, 45836), (241, 45788), (245, 45758), (251, 45731), (285, 45605), (287, 45599), (291, 45572), (300, 45530), (301, 45527), (308, 45512), (310, 45506), (326, 45452), (330, 45443), (386, 45215), (394, 45179),

Gene: Applejacks_34 Start: 27090, Stop: 25435, Start Num: 75
Candidate Starts for Applejacks_34:
(64, 27144), (75, 27090), (Start: 81 @27078 has 7 MA's), (89, 27036), (93, 27000), (96, 26985), (100, 26952), (102, 26934), (109, 26901), (113, 26868), (114, 26856), (115, 26853), (117, 26847), (145, 26718), (148, 26709), (153, 26634), (160, 26607), (168, 26562), (178, 26493), (179, 26490), (180, 26487), (185, 26451), (189, 26412), (191, 26400), (193, 26388), (197, 26352), (199, 26346), (227, 26184), (231, 26142), (232, 26139), (236, 26100), (241, 26052), (245, 26022), (247, 26013), (256, 25971), (273, 25914), (277, 25902), (295, 25809), (308, 25779), (356, 25638), (386, 25500), (395, 25461),

Gene: Arbiter_50 Start: 46670, Stop: 44955, Start Num: 76
Candidate Starts for Arbiter_50:
(9, 47099), (11, 47063), (13, 46991), (19, 46925), (Start: 76 @46670 has 36 MA's), (Start: 82 @46658 has 2 MA's), (107, 46487), (Start: 108 @46484 has 1 MA's), (113, 46448), (114, 46436), (117, 46427), (126, 46391), (127, 46388), (133, 46355), (145, 46292), (160, 46184), (166, 46145), (178, 46064), (183, 46031), (185, 46022), (189, 45983), (192, 45962), (193, 45959), (199, 45917), (201, 45902), (202, 45887), (209, 45857), (215, 45830), (220, 45782), (226, 45758), (227, 45755), (229, 45728), (230, 45716), (232, 45710), (236, 45671), (241, 45623), (245, 45593), (246, 45587), (256, 45542), (270, 45467), (273, 45455), (280, 45428), (281, 45425), (284, 45410), (295, 45344), (308, 45311), (332, 45233), (344, 45203), (345, 45200), (352, 45188), (361, 45149), (377, 45071), (386, 45029), (401, 44963),

Gene: Ares_51 Start: 46639, Stop: 44924, Start Num: 76

Candidate Starts for Ares_51:
(9, 47068), (11, 47032), (13, 46960), (15, 46945), (19, 46894), (Start: 76 @46639 has 36 MA's), (Start: 82 @46627 has 2 MA's), (107, 46456), (Start: 108 @46453 has 1 MA's), (113, 46417), (114, 46405), (117, 46396), (126, 46360), (127, 46357), (133, 46324), (145, 46261), (160, 46153), (166, 46114), (178, 46033), (183, 46000), (185, 45991), (189, 45952), (192, 45931), (193, 45928), (199, 45886), (201, 45871), (202, 45856), (209, 45826), (215, 45799), (220, 45751), (226, 45727), (227, 45724), (229, 45697), (230, 45685), (232, 45679), (236, 45640), (241, 45592), (245, 45562), (246, 45556), (256, 45511), (270, 45436), (273, 45424), (280, 45397), (281, 45394), (284, 45379), (295, 45313), (308, 45280), (332, 45202), (344, 45172), (345, 45169), (352, 45157), (361, 45118), (377, 45040), (378, 45037), (386, 44998), (401, 44932),

Gene: Ashraf_52 Start: 46729, Stop: 44933, Start Num: 40
Candidate Starts for Ashraf_52:
(Start: 40 @46729 has 128 MA's), (Start: 74 @46636 has 130 MA's), (Start: 87 @46612 has 14 MA's), (Start: 92 @46555 has 1 MA's), (Start: 94 @46546 has 2 MA's), (109, 46456), (113, 46423), (126, 46366), (128, 46354), (133, 46330), (136, 46318), (137, 46309), (149, 46249), (160, 46159), (166, 46114), (173, 46054), (183, 46000), (189, 45952), (192, 45931), (215, 45799), (225, 45730), (227, 45724), (229, 45697), (231, 45682), (236, 45640), (241, 45592), (245, 45562), (251, 45535), (285, 45409), (287, 45403), (291, 45376), (301, 45331), (308, 45316), (310, 45310), (326, 45256), (330, 45247), (386, 45019), (394, 44983),

Gene: Asis_54 Start: 44643, Stop: 46481, Start Num: 83
Candidate Starts for Asis_54:
(Start: 83 @44643 has 9 MA's), (91, 44688), (95, 44724), (97, 44730), (99, 44757), (107, 44817), (117, 44877), (133, 44949), (134, 44952), (136, 44961), (142, 44997), (148, 45021), (151, 45063), (154, 45084), (159, 45108), (162, 45135), (168, 45168), (170, 45195), (180, 45243), (184, 45273), (200, 45393), (201, 45402), (203, 45420), (207, 45438), (226, 45549), (227, 45552), (230, 45591), (236, 45636), (237, 45639), (248, 45729), (305, 46011), (315, 46038), (350, 46212), (358, 46248), (363, 46263), (382, 46365), (390, 46413), (393, 46422),

Gene: Athena_54 Start: 47905, Stop: 46208, Start Num: 70
Candidate Starts for Athena_54:
(Start: 70 @47905 has 42 MA's), (Start: 108 @47707 has 1 MA's), (113, 47671), (126, 47614), (137, 47557), (145, 47515), (147, 47509), (152, 47452), (157, 47425), (160, 47407), (173, 47302), (187, 47212), (189, 47200), (192, 47179), (199, 47134), (210, 47071), (222, 46987), (226, 46972), (227, 46969), (228, 46966), (229, 46942), (232, 46924), (236, 46885), (241, 46837), (245, 46807), (250, 46783), (257, 46741), (283, 46663), (289, 46636), (298, 46585), (308, 46561), (326, 46513), (339, 46474), (356, 46432), (377, 46327), (386, 46285), (389, 46270),

Gene: Audrey_52 Start: 47153, Stop: 45456, Start Num: 70
Candidate Starts for Audrey_52:
(Start: 70 @47153 has 42 MA's), (Start: 108 @46955 has 1 MA's), (113, 46919), (126, 46862), (137, 46805), (145, 46763), (147, 46757), (152, 46700), (157, 46673), (160, 46655), (173, 46550), (187, 46460), (189, 46448), (192, 46427), (199, 46382), (210, 46319), (222, 46235), (226, 46220), (227, 46217), (228, 46214), (229, 46190), (232, 46172), (236, 46133), (241, 46085), (245, 46055), (250, 46031), (257, 45989), (283, 45911), (289, 45884), (298, 45833), (308, 45809), (339, 45722), (356, 45680), (377, 45575), (381, 45560), (386, 45533), (389, 45518),

Gene: Austelle_48 Start: 48078, Stop: 46366, Start Num: 74
Candidate Starts for Austelle_48:
(Start: 74 @48078 has 130 MA's), (107, 47895), (113, 47856), (117, 47835), (133, 47766), (149, 47685), (156, 47616), (160, 47595), (173, 47496), (178, 47475), (183, 47442), (185, 47433), (188, 47397), (189, 47394), (193, 47370), (211, 47259), (213, 47253), (215, 47241), (225, 47172), (227,

47166), (229, 47139), (230, 47127), (231, 47124), (236, 47082), (241, 47034), (245, 47004), (281, 46869), (284, 46854), (285, 46848), (286, 46845), (292, 46812), (293, 46806), (294, 46797), (300, 46770), (306, 46755), (308, 46752), (312, 46743), (317, 46725), (323, 46698), (330, 46677), (359, 46566), (386, 46443),

Gene: Axumite_46 Start: 40113, Stop: 38449, Start Num: 72
Candidate Starts for Axumite_46:
(42, 40215), (Start: 71 @40116 has 1 MA's), (Start: 72 @40113 has 21 MA's), (106, 39939), (107, 39933), (109, 39927), (113, 39894), (114, 39882), (126, 39837), (156, 39651), (160, 39630), (173, 39531), (178, 39510), (183, 39477), (189, 39429), (197, 39369), (224, 39213), (226, 39204), (229, 39174), (231, 39159), (236, 39117), (241, 39069), (245, 39039), (247, 39030), (308, 38796), (326, 38757), (330, 38748), (352, 38685), (380, 38562), (386, 38526), (401, 38460),

Gene: Azuria_51 Start: 46881, Stop: 45268, Start Num: 94
Candidate Starts for Azuria_51:
(Start: 40 @47067 has 128 MA's), (Start: 74 @46971 has 130 MA's), (Start: 87 @46947 has 14 MA's), (Start: 92 @46890 has 1 MA's), (Start: 94 @46881 has 2 MA's), (109, 46791), (113, 46758), (126, 46701), (128, 46689), (133, 46665), (136, 46653), (137, 46644), (149, 46584), (160, 46494), (166, 46449), (173, 46389), (189, 46287), (192, 46266), (215, 46134), (225, 46065), (227, 46059), (229, 46032), (231, 46017), (236, 45975), (241, 45927), (245, 45897), (251, 45870), (285, 45744), (287, 45738), (291, 45711), (301, 45666), (308, 45651), (310, 45645), (326, 45591), (330, 45582), (386, 45354), (394, 45318),

Gene: BFK20_ORF41 Start: 32249, Stop: 30636, Start Num: 79
Candidate Starts for BFK20_ORF41:
(Start: 79 @32249 has 26 MA's), (84, 32243), (89, 32204), (97, 32156), (107, 32081), (109, 32075), (113, 32042), (116, 32024), (117, 32021), (126, 31985), (138, 31925), (146, 31883), (148, 31877), (149, 31868), (189, 31592), (190, 31589), (197, 31532), (201, 31511), (213, 31451), (224, 31376), (227, 31364), (231, 31322), (235, 31295), (236, 31280), (237, 31277), (241, 31232), (245, 31202), (246, 31196), (247, 31193), (285, 31073), (286, 31070), (306, 30992), (310, 30983), (353, 30860), (368, 30809), (369, 30803), (399, 30656),

Gene: BabyGotBac_55 Start: 44649, Stop: 46487, Start Num: 83
Candidate Starts for BabyGotBac_55:
(Start: 83 @44649 has 9 MA's), (91, 44694), (95, 44730), (97, 44736), (99, 44763), (107, 44823), (117, 44883), (133, 44955), (134, 44958), (136, 44967), (142, 45003), (148, 45027), (151, 45069), (154, 45090), (159, 45114), (162, 45141), (168, 45174), (170, 45201), (180, 45249), (184, 45279), (200, 45399), (201, 45408), (203, 45426), (207, 45444), (226, 45555), (227, 45558), (230, 45597), (236, 45642), (237, 45645), (248, 45735), (305, 46017), (315, 46044), (350, 46218), (358, 46254), (363, 46269), (382, 46371), (390, 46419), (393, 46428),

Gene: Badfish_53 Start: 47195, Stop: 45399, Start Num: 40
Candidate Starts for Badfish_53:
(Start: 40 @47195 has 128 MA's), (Start: 74 @47102 has 130 MA's), (Start: 87 @47078 has 14 MA's), (Start: 92 @47021 has 1 MA's), (Start: 94 @47012 has 2 MA's), (109, 46922), (113, 46889), (126, 46832), (128, 46820), (133, 46796), (136, 46784), (137, 46775), (149, 46715), (160, 46625), (166, 46580), (173, 46520), (183, 46466), (189, 46418), (192, 46397), (215, 46265), (225, 46196), (227, 46190), (229, 46163), (231, 46148), (236, 46106), (241, 46058), (245, 46028), (251, 46001), (285, 45875), (287, 45869), (291, 45842), (300, 45800), (301, 45797), (308, 45782), (310, 45776), (326, 45722), (330, 45713), (386, 45485), (394, 45449),

Gene: Baee_53 Start: 49105, Stop: 47411, Start Num: 74
Candidate Starts for Baee_53:

(Start: 74 @49105 has 130 MA's), (Start: 87 @49078 has 14 MA's), (97, 49003), (111, 48901), (113, 48889), (133, 48799), (145, 48736), (149, 48718), (156, 48649), (160, 48628), (178, 48508), (183, 48475), (189, 48427), (192, 48406), (213, 48286), (219, 48250), (224, 48211), (225, 48205), (227, 48199), (228, 48196), (229, 48172), (230, 48160), (231, 48157), (236, 48115), (241, 48067), (245, 48037), (269, 47941), (276, 47914), (281, 47902), (285, 47881), (286, 47878), (293, 47839), (300, 47803), (308, 47785), (368, 47584), (386, 47488),

Gene: Baloo_52 Start: 47156, Stop: 45459, Start Num: 70
Candidate Starts for Baloo_52:
(Start: 70 @47156 has 42 MA's), (Start: 108 @46958 has 1 MA's), (113, 46922), (126, 46865), (137, 46808), (145, 46766), (147, 46760), (152, 46703), (157, 46676), (160, 46658), (173, 46553), (187, 46463), (189, 46451), (192, 46430), (199, 46385), (210, 46322), (222, 46238), (226, 46223), (227, 46220), (228, 46217), (229, 46193), (232, 46175), (236, 46136), (241, 46088), (245, 46058), (250, 46034), (257, 45992), (283, 45914), (289, 45887), (298, 45836), (308, 45812), (339, 45725), (356, 45683), (377, 45578), (381, 45563), (386, 45536), (389, 45521),

Gene: Bananafish_51 Start: 46573, Stop: 44858, Start Num: 76
Candidate Starts for Bananafish_51:
(9, 47002), (11, 46966), (13, 46894), (19, 46828), (Start: 76 @46573 has 36 MA's), (Start: 82 @46561 has 2 MA's), (107, 46390), (Start: 108 @46387 has 1 MA's), (113, 46351), (114, 46339), (117, 46330), (126, 46294), (127, 46291), (133, 46258), (145, 46195), (160, 46087), (166, 46048), (178, 45967), (183, 45934), (185, 45925), (189, 45886), (192, 45865), (193, 45862), (199, 45820), (201, 45805), (202, 45790), (209, 45760), (215, 45733), (220, 45685), (226, 45661), (227, 45658), (229, 45631), (230, 45619), (232, 45613), (236, 45574), (241, 45526), (245, 45496), (246, 45490), (256, 45445), (270, 45370), (273, 45358), (280, 45331), (281, 45328), (284, 45313), (295, 45247), (308, 45214), (332, 45136), (344, 45106), (345, 45103), (352, 45091), (361, 45052), (377, 44974), (378, 44971), (386, 44932), (401, 44866),

Gene: BananenDer11_64 Start: 44024, Stop: 45736, Start Num: 79
Candidate Starts for BananenDer11_64:
(Start: 79 @44024 has 26 MA's), (97, 44117), (101, 44159), (Start: 108 @44195 has 1 MA's), (109, 44198), (112, 44222), (113, 44231), (122, 44270), (126, 44288), (137, 44345), (142, 44372), (143, 44375), (151, 44438), (160, 44498), (164, 44528), (166, 44537), (176, 44612), (177, 44615), (185, 44660), (187, 44687), (188, 44696), (189, 44699), (197, 44765), (198, 44768), (199, 44771), (201, 44786), (202, 44801), (213, 44846), (215, 44858), (228, 44936), (229, 44960), (230, 44972), (231, 44975), (232, 44978), (234, 44999), (236, 45017), (241, 45065), (248, 45104), (252, 45125), (273, 45209), (284, 45251), (289, 45275), (295, 45320), (296, 45323), (306, 45356), (315, 45380), (327, 45434), (330, 45440), (334, 45464), (366, 45581), (373, 45623), (379, 45647),

Gene: Banjo_51 Start: 46633, Stop: 44930, Start Num: 74
Candidate Starts for Banjo_51:
(Start: 74 @46633 has 130 MA's), (Start: 87 @46609 has 14 MA's), (Start: 92 @46552 has 1 MA's), (Start: 94 @46543 has 2 MA's), (109, 46453), (113, 46420), (126, 46363), (128, 46351), (133, 46327), (136, 46315), (137, 46306), (149, 46246), (160, 46156), (166, 46111), (173, 46051), (183, 45997), (189, 45949), (192, 45928), (215, 45796), (225, 45727), (227, 45721), (229, 45694), (231, 45679), (236, 45637), (241, 45589), (245, 45559), (251, 45532), (285, 45406), (287, 45400), (291, 45373), (300, 45331), (301, 45328), (308, 45313), (310, 45307), (326, 45253), (330, 45244), (386, 45016), (394, 44980),

Gene: Basato_53 Start: 47191, Stop: 45512, Start Num: 87
Candidate Starts for Basato_53:
(Start: 73 @47215 has 70 MA's), (Start: 87 @47191 has 14 MA's), (Start: 92 @47134 has 1 MA's), (Start: 94 @47125 has 2 MA's), (109, 47035), (113, 47002), (126, 46945), (128, 46933), (133, 46909),

(136, 46897), (137, 46888), (149, 46828), (160, 46738), (166, 46693), (173, 46633), (183, 46579), (189, 46531), (192, 46510), (215, 46378), (225, 46309), (227, 46303), (229, 46276), (231, 46261), (236, 46219), (241, 46171), (245, 46141), (251, 46114), (285, 45988), (287, 45982), (291, 45955), (301, 45910), (308, 45895), (310, 45889), (326, 45835), (330, 45826), (386, 45598), (394, 45562),

Gene: BatteryCK_51 Start: 46669, Stop: 44873, Start Num: 40
Candidate Starts for BatteryCK_51:
(Start: 40 @46669 has 128 MA's), (Start: 74 @46576 has 130 MA's), (Start: 87 @46552 has 14 MA's), (Start: 92 @46495 has 1 MA's), (Start: 94 @46486 has 2 MA's), (109, 46396), (113, 46363), (126, 46306), (128, 46294), (133, 46270), (136, 46258), (137, 46249), (149, 46189), (160, 46099), (166, 46054), (173, 45994), (183, 45940), (189, 45892), (192, 45871), (215, 45739), (225, 45670), (227, 45664), (229, 45637), (231, 45622), (236, 45580), (241, 45532), (245, 45502), (251, 45475), (285, 45349), (287, 45343), (291, 45316), (301, 45271), (308, 45256), (310, 45250), (326, 45196), (330, 45187), (386, 44959), (394, 44923),

Gene: BayC_54 Start: 44647, Stop: 46485, Start Num: 83
Candidate Starts for BayC_54:
(Start: 83 @44647 has 9 MA's), (91, 44692), (95, 44728), (97, 44734), (99, 44761), (107, 44821), (117, 44881), (133, 44953), (134, 44956), (136, 44965), (142, 45001), (148, 45025), (151, 45067), (154, 45088), (159, 45112), (162, 45139), (168, 45172), (170, 45199), (180, 45247), (184, 45277), (200, 45397), (201, 45406), (203, 45424), (207, 45442), (226, 45553), (227, 45556), (230, 45595), (236, 45640), (237, 45643), (248, 45733), (305, 46015), (315, 46042), (350, 46216), (358, 46252), (363, 46267), (382, 46369), (390, 46417), (393, 46426),

Gene: Beaglebox_51 Start: 46747, Stop: 44951, Start Num: 40
Candidate Starts for Beaglebox_51:
(Start: 40 @46747 has 128 MA's), (Start: 74 @46654 has 130 MA's), (Start: 87 @46630 has 14 MA's), (Start: 92 @46573 has 1 MA's), (Start: 94 @46564 has 2 MA's), (109, 46474), (113, 46441), (126, 46384), (128, 46372), (133, 46348), (136, 46336), (137, 46327), (149, 46267), (160, 46177), (166, 46132), (173, 46072), (183, 46018), (189, 45970), (192, 45949), (215, 45817), (225, 45748), (227, 45742), (229, 45715), (231, 45700), (236, 45658), (241, 45610), (245, 45580), (251, 45553), (285, 45427), (287, 45421), (291, 45394), (300, 45352), (301, 45349), (308, 45334), (310, 45328), (326, 45274), (330, 45265), (386, 45037), (394, 45001),

Gene: Ben11_52 Start: 47438, Stop: 45741, Start Num: 70
Candidate Starts for Ben11_52:
(Start: 70 @47438 has 42 MA's), (Start: 108 @47240 has 1 MA's), (113, 47204), (126, 47147), (137, 47090), (145, 47048), (147, 47042), (152, 46985), (157, 46958), (160, 46940), (173, 46835), (187, 46745), (189, 46733), (192, 46712), (199, 46667), (210, 46604), (222, 46520), (226, 46505), (227, 46502), (228, 46499), (229, 46475), (232, 46457), (236, 46418), (241, 46370), (245, 46340), (250, 46316), (257, 46274), (283, 46196), (289, 46169), (298, 46118), (308, 46094), (339, 46007), (356, 45965), (377, 45860), (386, 45818), (389, 45803),

Gene: Bernardo_53 Start: 47686, Stop: 45887, Start Num: 44
Candidate Starts for Bernardo_53:
(3, 48169), (4, 48112), (5, 48046), (7, 48031), (8, 48013), (16, 47872), (18, 47851), (25, 47776), (Start: 44 @47686 has 7 MA's), (53, 47662), (Start: 56 @47656 has 3 MA's), (58, 47653), (Start: 70 @47584 has 42 MA's), (Start: 108 @47386 has 1 MA's), (113, 47350), (126, 47293), (137, 47236), (145, 47194), (147, 47188), (152, 47131), (157, 47104), (160, 47086), (173, 46981), (187, 46891), (189, 46879), (192, 46858), (199, 46813), (210, 46750), (222, 46666), (226, 46651), (227, 46648), (228, 46645), (229, 46621), (232, 46603), (236, 46564), (241, 46516), (245, 46486), (250, 46462), (257, 46420), (283, 46342), (289, 46315), (298, 46264), (308, 46240), (326, 46192), (339, 46153), (356, 46111), (377, 46006), (386, 45964), (389, 45949),

Gene: BiggityBass_45 Start: 41882, Stop: 40221, Start Num: 72
Candidate Starts for BiggityBass_45:
(Start: 72 @41882 has 21 MA's), (91, 41816), (97, 41774), (Start: 108 @41696 has 1 MA's), (109, 41693), (113, 41660), (126, 41603), (156, 41417), (160, 41396), (176, 41282), (178, 41276), (183, 41243), (184, 41237), (189, 41195), (192, 41174), (196, 41156), (197, 41135), (216, 41036), (226, 40970), (229, 40940), (231, 40925), (236, 40883), (241, 40835), (245, 40805), (255, 40757), (285, 40655), (293, 40613), (306, 40565), (308, 40562), (326, 40523), (330, 40514), (352, 40451), (380, 40328), (386, 40292),

Gene: BirdsNest_55 Start: 46706, Stop: 44940, Start Num: 80
Candidate Starts for BirdsNest_55:
(Start: 80 @46706 has 2 MA's), (109, 46526), (113, 46493), (126, 46436), (156, 46250), (160, 46229), (166, 46190), (174, 46127), (178, 46109), (189, 46028), (213, 45887), (227, 45800), (229, 45773), (230, 45761), (231, 45758), (236, 45716), (241, 45668), (245, 45638), (251, 45611), (256, 45587), (282, 45449), (285, 45434), (299, 45359), (331, 45251), (342, 45224), (346, 45215), (352, 45197), (362, 45155), (386, 45041), (398, 44990),

Gene: Bishoperium_51 Start: 46648, Stop: 44945, Start Num: 74
Candidate Starts for Bishoperium_51:
(Start: 40 @46741 has 128 MA's), (Start: 74 @46648 has 130 MA's), (Start: 87 @46624 has 14 MA's), (Start: 92 @46567 has 1 MA's), (Start: 94 @46558 has 2 MA's), (109, 46468), (113, 46435), (126, 46378), (128, 46366), (133, 46342), (136, 46330), (137, 46321), (149, 46261), (160, 46171), (166, 46126), (173, 46066), (183, 46012), (189, 45964), (192, 45943), (215, 45811), (225, 45742), (227, 45736), (229, 45709), (231, 45694), (236, 45652), (241, 45604), (245, 45574), (251, 45547), (285, 45421), (287, 45415), (291, 45388), (301, 45343), (308, 45328), (310, 45322), (326, 45268), (330, 45259), (386, 45031), (394, 44995),

Gene: BlackStallion_53 Start: 47201, Stop: 45405, Start Num: 40
Candidate Starts for BlackStallion_53:
(Start: 40 @47201 has 128 MA's), (Start: 74 @47108 has 130 MA's), (Start: 87 @47084 has 14 MA's), (Start: 92 @47027 has 1 MA's), (Start: 94 @47018 has 2 MA's), (109, 46928), (113, 46895), (126, 46838), (128, 46826), (133, 46802), (136, 46790), (137, 46781), (149, 46721), (160, 46631), (166, 46586), (173, 46526), (189, 46424), (192, 46403), (215, 46271), (225, 46202), (227, 46196), (229, 46169), (231, 46154), (236, 46112), (241, 46064), (245, 46034), (251, 46007), (285, 45881), (287, 45875), (291, 45848), (300, 45806), (301, 45803), (308, 45788), (310, 45782), (326, 45728), (330, 45719), (386, 45491), (394, 45455),

Gene: Blackpen_48 Start: 41413, Stop: 39746, Start Num: 72
Candidate Starts for Blackpen_48:
(Start: 72 @41413 has 21 MA's), (97, 41308), (100, 41278), (Start: 108 @41230 has 1 MA's), (113, 41194), (114, 41182), (156, 40948), (160, 40927), (173, 40825), (188, 40726), (189, 40723), (194, 40690), (213, 40582), (225, 40501), (226, 40498), (227, 40495), (229, 40468), (230, 40456), (231, 40453), (236, 40411), (245, 40333), (247, 40324), (254, 40291), (279, 40213), (285, 40183), (286, 40180), (295, 40123), (306, 40093), (308, 40090), (362, 39940), (386, 39823), (401, 39757),

Gene: BlacksBerry_51 Start: 46666, Stop: 44963, Start Num: 74
Candidate Starts for BlacksBerry_51:
(Start: 40 @46759 has 128 MA's), (Start: 74 @46666 has 130 MA's), (Start: 87 @46642 has 14 MA's), (Start: 92 @46585 has 1 MA's), (Start: 94 @46576 has 2 MA's), (109, 46486), (113, 46453), (126, 46396), (128, 46384), (133, 46360), (136, 46348), (137, 46339), (149, 46279), (160, 46189), (166, 46144), (173, 46084), (183, 46030), (189, 45982), (192, 45961), (215, 45829), (225, 45760), (227, 45754), (229, 45727), (231, 45712), (236, 45670), (241, 45622), (245, 45592), (251, 45565), (285,

45439), (287, 45433), (291, 45406), (301, 45361), (308, 45346), (310, 45340), (326, 45286), (330, 45277), (386, 45049), (394, 45013),

Gene: Blocker23_51 Start: 46691, Stop: 44976, Start Num: 76
Candidate Starts for Blocker23_51:
(30, 46853), (59, 46757), (61, 46751), (Start: 76 @46691 has 36 MA's), (Start: 82 @46679 has 2 MA's), (107, 46508), (Start: 108 @46505 has 1 MA's), (113, 46469), (114, 46457), (117, 46448), (126, 46412), (127, 46409), (133, 46376), (145, 46313), (160, 46205), (166, 46166), (178, 46085), (183, 46052), (185, 46043), (189, 46004), (192, 45983), (193, 45980), (199, 45938), (201, 45923), (202, 45908), (209, 45878), (215, 45851), (220, 45803), (226, 45779), (227, 45776), (229, 45749), (230, 45737), (232, 45731), (236, 45692), (241, 45644), (245, 45614), (246, 45608), (256, 45563), (270, 45488), (273, 45476), (280, 45449), (281, 45446), (284, 45431), (295, 45365), (308, 45332), (332, 45254), (344, 45224), (345, 45221), (352, 45209), (361, 45170), (377, 45092), (386, 45050), (401, 44984),

Gene: BlueHusk_52 Start: 46547, Stop: 44751, Start Num: 40
Candidate Starts for BlueHusk_52:
(Start: 40 @46547 has 128 MA's), (Start: 74 @46454 has 130 MA's), (Start: 87 @46430 has 14 MA's), (Start: 92 @46373 has 1 MA's), (Start: 94 @46364 has 2 MA's), (109, 46274), (113, 46241), (126, 46184), (128, 46172), (133, 46148), (136, 46136), (137, 46127), (149, 46067), (160, 45977), (166, 45932), (173, 45872), (189, 45770), (192, 45749), (215, 45617), (225, 45548), (227, 45542), (229, 45515), (231, 45500), (236, 45458), (241, 45410), (245, 45380), (251, 45353), (285, 45227), (287, 45221), (291, 45194), (301, 45149), (308, 45134), (310, 45128), (326, 45074), (330, 45065), (386, 44837), (394, 44801),

Gene: Bluephacebaby_51 Start: 46744, Stop: 44948, Start Num: 40
Candidate Starts for Bluephacebaby_51:
(Start: 40 @46744 has 128 MA's), (Start: 74 @46651 has 130 MA's), (Start: 87 @46627 has 14 MA's), (Start: 92 @46570 has 1 MA's), (Start: 94 @46561 has 2 MA's), (109, 46471), (113, 46438), (126, 46381), (128, 46369), (133, 46345), (136, 46333), (137, 46324), (149, 46264), (160, 46174), (166, 46129), (173, 46069), (183, 46015), (189, 45967), (192, 45946), (215, 45814), (225, 45745), (227, 45739), (229, 45712), (231, 45697), (236, 45655), (241, 45607), (245, 45577), (251, 45550), (285, 45424), (287, 45418), (291, 45391), (301, 45346), (308, 45331), (310, 45325), (326, 45271), (330, 45262), (386, 45034), (394, 44998),

Gene: BobRoss2024_45 Start: 40037, Stop: 38295, Start Num: 72
Candidate Starts for BobRoss2024_45:
(35, 40190), (Start: 72 @40037 has 21 MA's), (Start: 87 @40004 has 14 MA's), (97, 39929), (Start: 108 @39851 has 1 MA's), (113, 39815), (119, 39785), (145, 39659), (156, 39572), (160, 39551), (188, 39350), (189, 39347), (192, 39326), (196, 39308), (199, 39281), (202, 39251), (215, 39194), (224, 39131), (225, 39125), (226, 39122), (227, 39119), (229, 39092), (231, 39077), (236, 39035), (245, 38957), (247, 38948), (251, 38930), (285, 38810), (295, 38750), (330, 38582), (386, 38360), (398, 38309),

Gene: BobbyK_48 Start: 47417, Stop: 45708, Start Num: 74
Candidate Starts for BobbyK_48:
(Start: 74 @47417 has 130 MA's), (107, 47234), (113, 47195), (117, 47174), (133, 47105), (149, 47024), (156, 46955), (160, 46934), (173, 46835), (178, 46814), (183, 46781), (185, 46772), (189, 46733), (193, 46709), (211, 46598), (213, 46592), (215, 46580), (225, 46511), (227, 46505), (229, 46478), (230, 46466), (231, 46463), (236, 46421), (241, 46373), (245, 46343), (256, 46292), (281, 46211), (284, 46196), (285, 46190), (286, 46187), (292, 46154), (293, 46148), (294, 46139), (300, 46112), (306, 46097), (308, 46094), (312, 46085), (317, 46067), (323, 46040), (330, 46019), (359, 45908), (386, 45785), (395, 45746), (398, 45734),

Gene: Boehler_52 Start: 46924, Stop: 45254, Start Num: 73
Candidate Starts for Boehler_52:
(Start: 73 @46924 has 70 MA's), (Start: 92 @46876 has 1 MA's), (Start: 94 @46867 has 2 MA's), (109, 46777), (113, 46744), (126, 46687), (128, 46675), (133, 46651), (136, 46639), (137, 46630), (149, 46570), (160, 46480), (166, 46435), (173, 46375), (189, 46273), (192, 46252), (215, 46120), (225, 46051), (227, 46045), (229, 46018), (231, 46003), (236, 45961), (241, 45913), (245, 45883), (251, 45856), (285, 45730), (287, 45724), (291, 45697), (300, 45655), (301, 45652), (308, 45637), (310, 45631), (326, 45577), (330, 45568), (386, 45340), (394, 45304),

Gene: Boilgate_67 Start: 49300, Stop: 50931, Start Num: 79
Candidate Starts for Boilgate_67:
(Start: 79 @49300 has 26 MA's), (98, 49399), (107, 49471), (113, 49510), (160, 49774), (172, 49870), (176, 49888), (189, 49975), (203, 50074), (204, 50083), (215, 50128), (221, 50179), (223, 50188), (227, 50203), (229, 50230), (231, 50245), (232, 50248), (236, 50287), (241, 50335), (248, 50374), (250, 50383), (252, 50395), (271, 50449), (284, 50485), (285, 50491), (313, 50602), (334, 50695), (336, 50698), (341, 50716), (366, 50818), (374, 50869), (387, 50920), (388, 50923),

Gene: BoogieWoogie_52 Start: 46638, Stop: 44935, Start Num: 74
Candidate Starts for BoogieWoogie_52:
(Start: 40 @46731 has 128 MA's), (Start: 74 @46638 has 130 MA's), (Start: 87 @46614 has 14 MA's), (Start: 92 @46557 has 1 MA's), (Start: 94 @46548 has 2 MA's), (109, 46458), (113, 46425), (126, 46368), (128, 46356), (133, 46332), (136, 46320), (137, 46311), (149, 46251), (160, 46161), (166, 46116), (173, 46056), (189, 45954), (192, 45933), (215, 45801), (225, 45732), (227, 45726), (229, 45699), (231, 45684), (236, 45642), (241, 45594), (245, 45564), (251, 45537), (285, 45411), (287, 45405), (291, 45378), (300, 45336), (301, 45333), (308, 45318), (310, 45312), (326, 45258), (330, 45249), (386, 45021), (394, 44985),

Gene: Boyle_51 Start: 46706, Stop: 44991, Start Num: 76
Candidate Starts for Boyle_51:
(9, 47135), (11, 47099), (13, 47027), (15, 47012), (19, 46961), (Start: 76 @46706 has 36 MA's), (Start: 82 @46694 has 2 MA's), (107, 46523), (Start: 108 @46520 has 1 MA's), (113, 46484), (114, 46472), (117, 46463), (126, 46427), (127, 46424), (133, 46391), (145, 46328), (160, 46220), (166, 46181), (178, 46100), (183, 46067), (185, 46058), (189, 46019), (192, 45998), (193, 45995), (199, 45953), (201, 45938), (202, 45923), (209, 45893), (215, 45866), (220, 45818), (226, 45794), (227, 45791), (229, 45764), (230, 45752), (232, 45746), (236, 45707), (241, 45659), (245, 45629), (246, 45623), (256, 45578), (270, 45503), (273, 45491), (280, 45464), (281, 45461), (284, 45446), (295, 45380), (308, 45347), (332, 45269), (344, 45239), (345, 45236), (352, 45224), (361, 45185), (377, 45107), (386, 45065), (401, 44999),

Gene: Briakila_52 Start: 47609, Stop: 45912, Start Num: 70
Candidate Starts for Briakila_52:
(Start: 70 @47609 has 42 MA's), (Start: 108 @47411 has 1 MA's), (113, 47375), (126, 47318), (137, 47261), (145, 47219), (147, 47213), (152, 47156), (157, 47129), (160, 47111), (173, 47006), (187, 46916), (189, 46904), (192, 46883), (199, 46838), (210, 46775), (222, 46691), (226, 46676), (227, 46673), (228, 46670), (229, 46646), (232, 46628), (236, 46589), (241, 46541), (245, 46511), (250, 46487), (257, 46445), (283, 46367), (289, 46340), (295, 46298), (298, 46289), (308, 46265), (339, 46178), (356, 46136), (377, 46031), (386, 45989), (389, 45974), (392, 45956),

Gene: Brilliant_52 Start: 46743, Stop: 44947, Start Num: 40
Candidate Starts for Brilliant_52:
(Start: 40 @46743 has 128 MA's), (Start: 74 @46650 has 130 MA's), (Start: 87 @46626 has 14 MA's), (Start: 92 @46569 has 1 MA's), (Start: 94 @46560 has 2 MA's), (109, 46470), (113, 46437), (126, 46380), (128, 46368), (133, 46344), (136, 46332), (137, 46323), (149, 46263), (160, 46173), (166,

46128), (173, 46068), (183, 46014), (189, 45966), (192, 45945), (215, 45813), (225, 45744), (227, 45738), (229, 45711), (231, 45696), (236, 45654), (241, 45606), (245, 45576), (251, 45549), (285, 45423), (287, 45417), (291, 45390), (301, 45345), (308, 45330), (310, 45324), (326, 45270), (330, 45261), (386, 45033), (394, 44997),

Gene: BrownCNA_49 Start: 47699, Stop: 45987, Start Num: 74
Candidate Starts for BrownCNA_49:
(Start: 74 @47699 has 130 MA's), (107, 47516), (113, 47477), (117, 47456), (133, 47387), (149, 47306), (156, 47237), (160, 47216), (173, 47117), (178, 47096), (183, 47063), (185, 47054), (188, 47018), (189, 47015), (193, 46991), (211, 46880), (213, 46874), (215, 46862), (225, 46793), (227, 46787), (229, 46760), (230, 46748), (231, 46745), (232, 46742), (236, 46703), (241, 46655), (245, 46625), (256, 46574), (281, 46490), (284, 46475), (285, 46469), (286, 46466), (292, 46433), (293, 46427), (294, 46418), (300, 46391), (306, 46376), (308, 46373), (312, 46364), (317, 46346), (323, 46319), (330, 46298), (359, 46187), (383, 46079), (386, 46064), (395, 46025),

Gene: Brownie5_51 Start: 46722, Stop: 45007, Start Num: 76
Candidate Starts for Brownie5_51:
(9, 47151), (11, 47115), (13, 47043), (15, 47028), (19, 46977), (Start: 76 @46722 has 36 MA's), (Start: 82 @46710 has 2 MA's), (107, 46539), (Start: 108 @46536 has 1 MA's), (113, 46500), (114, 46488), (117, 46479), (126, 46443), (127, 46440), (133, 46407), (145, 46344), (160, 46236), (166, 46197), (178, 46116), (183, 46083), (185, 46074), (189, 46035), (192, 46014), (193, 46011), (199, 45969), (201, 45954), (202, 45939), (209, 45909), (215, 45882), (220, 45834), (226, 45810), (227, 45807), (229, 45780), (230, 45768), (232, 45762), (236, 45723), (241, 45675), (245, 45645), (246, 45639), (256, 45594), (270, 45519), (273, 45507), (280, 45480), (281, 45477), (284, 45462), (295, 45396), (308, 45363), (332, 45285), (344, 45255), (345, 45252), (352, 45240), (361, 45201), (377, 45123), (386, 45081), (401, 45015),

Gene: Buckeye_52 Start: 46971, Stop: 45268, Start Num: 73
Candidate Starts for Buckeye_52:
(12, 47304), (14, 47277), (Start: 73 @46971 has 70 MA's), (Start: 87 @46947 has 14 MA's), (Start: 92 @46890 has 1 MA's), (Start: 94 @46881 has 2 MA's), (109, 46791), (113, 46758), (126, 46701), (128, 46689), (133, 46665), (136, 46653), (137, 46644), (149, 46584), (160, 46494), (166, 46449), (173, 46389), (183, 46335), (189, 46287), (192, 46266), (215, 46134), (225, 46065), (227, 46059), (229, 46032), (231, 46017), (236, 45975), (241, 45927), (245, 45897), (251, 45870), (285, 45744), (287, 45738), (291, 45711), (301, 45666), (308, 45651), (310, 45645), (326, 45591), (330, 45582), (386, 45354), (394, 45318),

Gene: Burr_51 Start: 46738, Stop: 44942, Start Num: 40
Candidate Starts for Burr_51:
(Start: 40 @46738 has 128 MA's), (Start: 74 @46645 has 130 MA's), (Start: 87 @46621 has 14 MA's), (Start: 92 @46564 has 1 MA's), (Start: 94 @46555 has 2 MA's), (109, 46465), (113, 46432), (126, 46375), (128, 46363), (133, 46339), (136, 46327), (137, 46318), (149, 46258), (160, 46168), (166, 46123), (173, 46063), (183, 46009), (189, 45961), (192, 45940), (215, 45808), (225, 45739), (227, 45733), (229, 45706), (231, 45691), (236, 45649), (241, 45601), (245, 45571), (251, 45544), (285, 45418), (287, 45412), (291, 45385), (301, 45340), (308, 45325), (310, 45319), (326, 45265), (330, 45256), (386, 45028), (394, 44992),

Gene: CRB2_54 Start: 50445, Stop: 48658, Start Num: 48
Candidate Starts for CRB2_54:
(Start: 48 @50445 has 1 MA's), (Start: 77 @50361 has 1 MA's), (97, 50259), (100, 50229), (Start: 108 @50181 has 1 MA's), (113, 50145), (117, 50124), (126, 50088), (133, 50052), (156, 49902), (160, 49881), (161, 49860), (183, 49728), (188, 49683), (189, 49680), (193, 49656), (201, 49599), (213, 49539), (215, 49527), (227, 49452), (229, 49425), (230, 49413), (231, 49410), (236, 49368), (241,

49320), (245, 49290), (262, 49212), (281, 49161), (285, 49140), (295, 49080), (300, 49062), (308, 49044), (362, 48849), (386, 48735), (398, 48684),

Gene: CaiB_49 Start: 42838, Stop: 41174, Start Num: 72
Candidate Starts for CaiB_49:
(Start: 72 @42838 has 21 MA's), (97, 42733), (100, 42703), (107, 42658), (Start: 108 @42655 has 1 MA's), (113, 42619), (114, 42607), (156, 42373), (160, 42352), (173, 42250), (188, 42151), (189, 42148), (194, 42115), (213, 42007), (225, 41926), (226, 41923), (227, 41920), (229, 41893), (230, 41881), (231, 41878), (236, 41836), (245, 41758), (247, 41749), (254, 41716), (279, 41638), (285, 41608), (286, 41605), (295, 41548), (306, 41518), (308, 41515), (362, 41365), (386, 41248), (401, 41182),

Gene: Calamitous_51 Start: 46572, Stop: 44857, Start Num: 76
Candidate Starts for Calamitous_51:
(9, 47001), (11, 46965), (13, 46893), (19, 46827), (Start: 76 @46572 has 36 MA's), (Start: 82 @46560 has 2 MA's), (107, 46389), (Start: 108 @46386 has 1 MA's), (113, 46350), (114, 46338), (117, 46329), (126, 46293), (127, 46290), (133, 46257), (145, 46194), (160, 46086), (166, 46047), (178, 45966), (183, 45933), (185, 45924), (189, 45885), (192, 45864), (193, 45861), (199, 45819), (201, 45804), (202, 45789), (209, 45759), (215, 45732), (220, 45684), (226, 45660), (227, 45657), (229, 45630), (230, 45618), (232, 45612), (236, 45573), (241, 45525), (245, 45495), (246, 45489), (256, 45444), (270, 45369), (273, 45357), (280, 45330), (281, 45327), (284, 45312), (295, 45246), (308, 45213), (332, 45135), (344, 45105), (345, 45102), (352, 45090), (361, 45051), (377, 44973), (378, 44970), (386, 44931), (401, 44865),

Gene: CamL_52 Start: 46940, Stop: 45237, Start Num: 74
Candidate Starts for CamL_52:
(Start: 74 @46940 has 130 MA's), (Start: 87 @46916 has 14 MA's), (Start: 92 @46859 has 1 MA's), (Start: 94 @46850 has 2 MA's), (109, 46760), (113, 46727), (126, 46670), (128, 46658), (133, 46634), (136, 46622), (137, 46613), (149, 46553), (160, 46463), (166, 46418), (173, 46358), (183, 46304), (189, 46256), (192, 46235), (215, 46103), (225, 46034), (227, 46028), (229, 46001), (231, 45986), (236, 45944), (241, 45896), (245, 45866), (251, 45839), (285, 45713), (287, 45707), (291, 45680), (300, 45638), (301, 45635), (308, 45620), (310, 45614), (326, 45560), (330, 45551), (386, 45323), (394, 45287),

Gene: CampRoach_53 Start: 47168, Stop: 45372, Start Num: 40
Candidate Starts for CampRoach_53:
(Start: 40 @47168 has 128 MA's), (Start: 74 @47075 has 130 MA's), (Start: 87 @47051 has 14 MA's), (Start: 92 @46994 has 1 MA's), (Start: 94 @46985 has 2 MA's), (109, 46895), (113, 46862), (126, 46805), (128, 46793), (133, 46769), (136, 46757), (137, 46748), (149, 46688), (160, 46598), (166, 46553), (173, 46493), (183, 46439), (189, 46391), (192, 46370), (215, 46238), (225, 46169), (227, 46163), (229, 46136), (231, 46121), (236, 46079), (241, 46031), (245, 46001), (251, 45974), (285, 45848), (287, 45842), (291, 45815), (301, 45770), (308, 45755), (310, 45749), (326, 45695), (330, 45686), (386, 45458), (394, 45422),

Gene: Cannibal_52 Start: 46923, Stop: 45220, Start Num: 74
Candidate Starts for Cannibal_52:
(Start: 74 @46923 has 130 MA's), (Start: 87 @46899 has 14 MA's), (Start: 92 @46842 has 1 MA's), (Start: 94 @46833 has 2 MA's), (109, 46743), (113, 46710), (126, 46653), (128, 46641), (133, 46617), (136, 46605), (137, 46596), (149, 46536), (160, 46446), (166, 46401), (173, 46341), (183, 46287), (189, 46239), (192, 46218), (215, 46086), (225, 46017), (227, 46011), (229, 45984), (231, 45969), (236, 45927), (241, 45879), (245, 45849), (251, 45822), (285, 45696), (287, 45690), (291, 45663), (300, 45621), (301, 45618), (308, 45603), (310, 45597), (326, 45543), (330, 45534), (386, 45306), (394, 45270),

Gene: Carthage_50 Start: 45870, Stop: 44167, Start Num: 74
Candidate Starts for Carthage_50:
(Start: 74 @45870 has 130 MA's), (Start: 87 @45846 has 14 MA's), (Start: 92 @45789 has 1 MA's), (Start: 94 @45780 has 2 MA's), (109, 45690), (113, 45657), (126, 45600), (128, 45588), (133, 45564), (136, 45552), (137, 45543), (149, 45483), (160, 45393), (166, 45348), (173, 45288), (183, 45234), (189, 45186), (192, 45165), (215, 45033), (225, 44964), (227, 44958), (229, 44931), (231, 44916), (236, 44874), (241, 44826), (245, 44796), (251, 44769), (285, 44643), (287, 44637), (291, 44610), (301, 44565), (308, 44550), (310, 44544), (326, 44490), (330, 44481), (386, 44253), (394, 44217),

Gene: Casbah_52 Start: 47468, Stop: 45771, Start Num: 70
Candidate Starts for Casbah_52:
(Start: 70 @47468 has 42 MA's), (Start: 108 @47270 has 1 MA's), (113, 47234), (126, 47177), (137, 47120), (145, 47078), (147, 47072), (152, 47015), (157, 46988), (160, 46970), (173, 46865), (187, 46775), (189, 46763), (192, 46742), (199, 46697), (210, 46634), (222, 46550), (226, 46535), (227, 46532), (228, 46529), (229, 46505), (232, 46487), (236, 46448), (241, 46400), (245, 46370), (250, 46346), (257, 46304), (283, 46226), (289, 46199), (298, 46148), (308, 46124), (339, 46037), (356, 45995), (377, 45890), (386, 45848), (389, 45833),

Gene: Caspiboi_51 Start: 46742, Stop: 44946, Start Num: 40
Candidate Starts for Caspiboi_51:
(Start: 40 @46742 has 128 MA's), (Start: 74 @46649 has 130 MA's), (Start: 87 @46625 has 14 MA's), (Start: 92 @46568 has 1 MA's), (Start: 94 @46559 has 2 MA's), (109, 46469), (113, 46436), (126, 46379), (128, 46367), (133, 46343), (136, 46331), (137, 46322), (149, 46262), (160, 46172), (166, 46127), (173, 46067), (183, 46013), (189, 45965), (192, 45944), (215, 45812), (225, 45743), (227, 45737), (229, 45710), (231, 45695), (236, 45653), (241, 45605), (245, 45575), (251, 45548), (285, 45422), (287, 45416), (291, 45389), (301, 45344), (308, 45329), (310, 45323), (326, 45269), (330, 45260), (386, 45032), (394, 44996),

Gene: Causa_69 Start: 54963, Stop: 53212, Start Num: 74
Candidate Starts for Causa_69:
(Start: 74 @54963 has 130 MA's), (96, 54849), (100, 54816), (102, 54798), (107, 54771), (109, 54765), (113, 54732), (114, 54720), (133, 54639), (137, 54618), (145, 54576), (156, 54489), (160, 54468), (166, 54429), (180, 54342), (187, 54279), (188, 54270), (189, 54267), (192, 54246), (209, 54141), (211, 54132), (215, 54114), (223, 54054), (225, 54045), (226, 54042), (227, 54039), (229, 54012), (230, 54000), (231, 53997), (236, 53955), (245, 53877), (285, 53727), (289, 53709), (291, 53688), (298, 53652), (306, 53631), (308, 53628), (326, 53577), (337, 53538), (356, 53469), (386, 53328), (398, 53277), (405, 53244),

Gene: ChaChing_52 Start: 47170, Stop: 45473, Start Num: 70
Candidate Starts for ChaChing_52:
(Start: 70 @47170 has 42 MA's), (Start: 108 @46972 has 1 MA's), (113, 46936), (126, 46879), (137, 46822), (145, 46780), (147, 46774), (152, 46717), (157, 46690), (160, 46672), (173, 46567), (187, 46477), (189, 46465), (192, 46444), (199, 46399), (210, 46336), (222, 46252), (226, 46237), (227, 46234), (228, 46231), (229, 46207), (232, 46189), (236, 46150), (241, 46102), (245, 46072), (250, 46048), (257, 46006), (283, 45928), (289, 45901), (298, 45850), (308, 45826), (326, 45778), (339, 45739), (356, 45697), (377, 45592), (386, 45550), (389, 45535),

Gene: Chaelin_52 Start: 46739, Stop: 44943, Start Num: 40
Candidate Starts for Chaelin_52:
(Start: 40 @46739 has 128 MA's), (Start: 74 @46646 has 130 MA's), (Start: 87 @46622 has 14 MA's), (Start: 92 @46565 has 1 MA's), (Start: 94 @46556 has 2 MA's), (109, 46466), (113, 46433), (126, 46376), (128, 46364), (133, 46340), (136, 46328), (137, 46319), (149, 46259), (160, 46169), (166,

46124), (173, 46064), (183, 46010), (189, 45962), (192, 45941), (215, 45809), (225, 45740), (227, 45734), (229, 45707), (231, 45692), (236, 45650), (241, 45602), (245, 45572), (251, 45545), (285, 45419), (287, 45413), (291, 45386), (301, 45341), (308, 45326), (310, 45320), (326, 45266), (330, 45257), (386, 45029), (394, 44993),

Gene: Chah_54 Start: 47194, Stop: 45398, Start Num: 40
Candidate Starts for Chah_54:
(Start: 40 @47194 has 128 MA's), (Start: 74 @47101 has 130 MA's), (Start: 87 @47077 has 14 MA's), (Start: 92 @47020 has 1 MA's), (Start: 94 @47011 has 2 MA's), (109, 46921), (113, 46888), (126, 46831), (128, 46819), (133, 46795), (136, 46783), (137, 46774), (149, 46714), (160, 46624), (166, 46579), (173, 46519), (189, 46417), (192, 46396), (215, 46264), (225, 46195), (227, 46189), (229, 46162), (231, 46147), (236, 46105), (241, 46057), (245, 46027), (251, 46000), (285, 45874), (287, 45868), (291, 45841), (300, 45799), (301, 45796), (308, 45781), (310, 45775), (326, 45721), (330, 45712), (386, 45484), (394, 45448),

Gene: Chalmers_51 Start: 47645, Stop: 45948, Start Num: 70
Candidate Starts for Chalmers_51:
(Start: 70 @47645 has 42 MA's), (Start: 108 @47447 has 1 MA's), (113, 47411), (126, 47354), (137, 47297), (145, 47255), (152, 47192), (157, 47165), (160, 47147), (173, 47042), (187, 46952), (189, 46940), (192, 46919), (199, 46874), (210, 46811), (222, 46727), (226, 46712), (227, 46709), (228, 46706), (229, 46682), (232, 46664), (236, 46625), (241, 46577), (245, 46547), (250, 46523), (257, 46481), (283, 46403), (289, 46376), (295, 46334), (298, 46325), (308, 46301), (339, 46214), (356, 46172), (377, 46067), (386, 46025), (389, 46010), (392, 45992),

Gene: Chandler_52 Start: 48039, Stop: 46240, Start Num: 44
Candidate Starts for Chandler_52:
(16, 48225), (18, 48204), (25, 48129), (Start: 44 @48039 has 7 MA's), (53, 48015), (Start: 56 @48009 has 3 MA's), (58, 48006), (Start: 70 @47937 has 42 MA's), (Start: 108 @47739 has 1 MA's), (113, 47703), (126, 47646), (137, 47589), (145, 47547), (147, 47541), (152, 47484), (157, 47457), (160, 47439), (173, 47334), (187, 47244), (189, 47232), (192, 47211), (199, 47166), (210, 47103), (222, 47019), (226, 47004), (227, 47001), (228, 46998), (229, 46974), (232, 46956), (236, 46917), (241, 46869), (245, 46839), (250, 46815), (257, 46773), (283, 46695), (289, 46668), (298, 46617), (308, 46593), (326, 46545), (339, 46506), (356, 46464), (377, 46359), (386, 46317), (389, 46302),

Gene: Charles1_52 Start: 47024, Stop: 45228, Start Num: 40
Candidate Starts for Charles1_52:
(Start: 40 @47024 has 128 MA's), (Start: 74 @46931 has 130 MA's), (Start: 87 @46907 has 14 MA's), (Start: 92 @46850 has 1 MA's), (Start: 94 @46841 has 2 MA's), (109, 46751), (113, 46718), (126, 46661), (128, 46649), (133, 46625), (136, 46613), (137, 46604), (149, 46544), (160, 46454), (166, 46409), (173, 46349), (183, 46295), (189, 46247), (192, 46226), (215, 46094), (225, 46025), (227, 46019), (229, 45992), (231, 45977), (236, 45935), (241, 45887), (245, 45857), (251, 45830), (285, 45704), (287, 45698), (291, 45671), (301, 45626), (308, 45611), (310, 45605), (326, 45551), (330, 45542), (386, 45314), (394, 45278),

Gene: CharlieGBrown_51 Start: 46614, Stop: 44818, Start Num: 40
Candidate Starts for CharlieGBrown_51:
(Start: 40 @46614 has 128 MA's), (Start: 74 @46521 has 130 MA's), (Start: 87 @46497 has 14 MA's), (Start: 92 @46440 has 1 MA's), (Start: 94 @46431 has 2 MA's), (109, 46341), (113, 46308), (126, 46251), (128, 46239), (133, 46215), (136, 46203), (137, 46194), (149, 46134), (160, 46044), (166, 45999), (173, 45939), (183, 45885), (189, 45837), (192, 45816), (215, 45684), (225, 45615), (227, 45609), (229, 45582), (231, 45567), (236, 45525), (241, 45477), (245, 45447), (251, 45420), (285, 45294), (287, 45288), (291, 45261), (301, 45216), (308, 45201), (310, 45195), (326, 45141), (330, 45132), (386, 44904), (394, 44868),

Gene: CharlottesWeb_45 Start: 39483, Stop: 37816, Start Num: 72
Candidate Starts for CharlottesWeb_45:
(Start: 71 @39486 has 1 MA's), (Start: 72 @39483 has 21 MA's), (91, 39420), (109, 39297), (110, 39294), (113, 39264), (114, 39252), (126, 39207), (145, 39108), (156, 39018), (160, 38997), (173, 38898), (178, 38877), (183, 38844), (189, 38796), (193, 38772), (197, 38736), (202, 38700), (224, 38580), (226, 38571), (229, 38541), (231, 38526), (236, 38484), (241, 38436), (245, 38406), (255, 38358), (277, 38289), (280, 38280), (285, 38256), (308, 38163), (326, 38124), (348, 38058), (352, 38052), (365, 38001), (371, 37974), (380, 37929), (386, 37893), (401, 37827),

Gene: CheetO_52 Start: 46963, Stop: 45260, Start Num: 73
Candidate Starts for CheetO_52:
(Start: 73 @46963 has 70 MA's), (Start: 87 @46939 has 14 MA's), (Start: 92 @46882 has 1 MA's), (Start: 94 @46873 has 2 MA's), (109, 46783), (113, 46750), (126, 46693), (128, 46681), (133, 46657), (136, 46645), (137, 46636), (149, 46576), (160, 46486), (166, 46441), (173, 46381), (183, 46327), (189, 46279), (192, 46258), (215, 46126), (225, 46057), (227, 46051), (229, 46024), (231, 46009), (236, 45967), (241, 45919), (245, 45889), (251, 45862), (285, 45736), (287, 45730), (291, 45703), (301, 45658), (308, 45643), (310, 45637), (326, 45583), (330, 45574), (386, 45346), (394, 45310),

Gene: Chentzyk_53 Start: 47980, Stop: 46283, Start Num: 70
Candidate Starts for Chentzyk_53:
(Start: 70 @47980 has 42 MA's), (Start: 108 @47782 has 1 MA's), (113, 47746), (126, 47689), (137, 47632), (145, 47590), (147, 47584), (152, 47527), (157, 47500), (160, 47482), (173, 47377), (187, 47287), (189, 47275), (192, 47254), (199, 47209), (210, 47146), (222, 47062), (226, 47047), (227, 47044), (228, 47041), (229, 47017), (232, 46999), (236, 46960), (241, 46912), (245, 46882), (250, 46858), (257, 46816), (283, 46738), (289, 46711), (298, 46660), (308, 46636), (339, 46549), (356, 46507), (377, 46402), (386, 46360), (389, 46345),

Gene: Cher_51 Start: 46761, Stop: 44965, Start Num: 40
Candidate Starts for Cher_51:
(Start: 40 @46761 has 128 MA's), (Start: 74 @46668 has 130 MA's), (Start: 87 @46644 has 14 MA's), (Start: 92 @46587 has 1 MA's), (Start: 94 @46578 has 2 MA's), (109, 46488), (113, 46455), (126, 46398), (128, 46386), (133, 46362), (136, 46350), (137, 46341), (149, 46281), (160, 46191), (166, 46146), (173, 46086), (183, 46032), (189, 45984), (192, 45963), (215, 45831), (225, 45762), (227, 45756), (229, 45729), (231, 45714), (236, 45672), (241, 45624), (245, 45594), (251, 45567), (285, 45441), (287, 45435), (291, 45408), (301, 45363), (308, 45348), (310, 45342), (326, 45288), (330, 45279), (386, 45051), (394, 45015),

Gene: Childish_51 Start: 46671, Stop: 44968, Start Num: 74
Candidate Starts for Childish_51:
(Start: 74 @46671 has 130 MA's), (Start: 87 @46647 has 14 MA's), (Start: 92 @46590 has 1 MA's), (Start: 94 @46581 has 2 MA's), (109, 46491), (113, 46458), (126, 46401), (128, 46389), (133, 46365), (136, 46353), (137, 46344), (149, 46284), (160, 46194), (166, 46149), (173, 46089), (183, 46035), (189, 45987), (192, 45966), (215, 45834), (225, 45765), (227, 45759), (229, 45732), (231, 45717), (236, 45675), (241, 45627), (245, 45597), (251, 45570), (285, 45444), (287, 45438), (291, 45411), (301, 45366), (308, 45351), (310, 45345), (326, 45291), (330, 45282), (386, 45054), (394, 45018),

Gene: Chipette_53 Start: 47161, Stop: 45458, Start Num: 74
Candidate Starts for Chipette_53:
(Start: 74 @47161 has 130 MA's), (Start: 87 @47137 has 14 MA's), (Start: 92 @47080 has 1 MA's), (Start: 94 @47071 has 2 MA's), (109, 46981), (113, 46948), (126, 46891), (128, 46879), (133, 46855), (136, 46843), (137, 46834), (149, 46774), (160, 46684), (166, 46639), (173, 46579), (189, 46477), (192, 46456), (215, 46324), (225, 46255), (227, 46249), (229, 46222), (231, 46207), (236, 46165),

(241, 46117), (245, 46087), (251, 46060), (285, 45934), (287, 45928), (291, 45901), (300, 45859), (301, 45856), (308, 45841), (310, 45835), (326, 45781), (330, 45772), (386, 45544), (394, 45508),

Gene: Chorkpop_52 Start: 46679, Stop: 44976, Start Num: 74
Candidate Starts for Chorkpop_52:
(Start: 74 @46679 has 130 MA's), (Start: 87 @46655 has 14 MA's), (Start: 92 @46598 has 1 MA's), (Start: 94 @46589 has 2 MA's), (109, 46499), (113, 46466), (126, 46409), (128, 46397), (133, 46373), (136, 46361), (137, 46352), (149, 46292), (160, 46202), (166, 46157), (173, 46097), (189, 45995), (192, 45974), (215, 45842), (225, 45773), (227, 45767), (229, 45740), (231, 45725), (236, 45683), (241, 45635), (245, 45605), (251, 45578), (285, 45452), (287, 45446), (291, 45419), (300, 45377), (301, 45374), (308, 45359), (310, 45353), (326, 45299), (330, 45290), (386, 45062), (394, 45026),

Gene: ChrisnMich_47 Start: 46389, Stop: 44674, Start Num: 74
Candidate Starts for ChrisnMich_47:
(Start: 74 @46389 has 130 MA's), (110, 46197), (113, 46167), (117, 46146), (126, 46110), (133, 46074), (135, 46065), (156, 45924), (160, 45903), (161, 45882), (173, 45804), (178, 45783), (183, 45750), (185, 45741), (188, 45705), (189, 45702), (193, 45678), (213, 45561), (215, 45549), (219, 45525), (225, 45480), (227, 45474), (229, 45447), (230, 45435), (231, 45432), (236, 45390), (241, 45342), (245, 45312), (256, 45261), (270, 45213), (281, 45177), (285, 45156), (286, 45153), (293, 45114), (300, 45078), (306, 45063), (308, 45060), (312, 45051), (317, 45033), (323, 45006), (330, 44985), (359, 44874), (386, 44751),

Gene: Chuni_52 Start: 47055, Stop: 45259, Start Num: 40
Candidate Starts for Chuni_52:
(Start: 40 @47055 has 128 MA's), (Start: 74 @46962 has 130 MA's), (Start: 87 @46938 has 14 MA's), (Start: 92 @46881 has 1 MA's), (Start: 94 @46872 has 2 MA's), (109, 46782), (113, 46749), (126, 46692), (128, 46680), (133, 46656), (136, 46644), (137, 46635), (149, 46575), (160, 46485), (166, 46440), (173, 46380), (183, 46326), (189, 46278), (192, 46257), (215, 46125), (225, 46056), (227, 46050), (229, 46023), (231, 46008), (236, 45966), (241, 45918), (245, 45888), (251, 45861), (285, 45735), (287, 45729), (291, 45702), (301, 45657), (308, 45642), (310, 45636), (326, 45582), (330, 45573), (386, 45345), (394, 45309),

Gene: Chunky_52 Start: 46967, Stop: 45264, Start Num: 73
Candidate Starts for Chunky_52:
(Start: 73 @46967 has 70 MA's), (Start: 87 @46943 has 14 MA's), (Start: 92 @46886 has 1 MA's), (Start: 94 @46877 has 2 MA's), (109, 46787), (113, 46754), (126, 46697), (128, 46685), (133, 46661), (136, 46649), (137, 46640), (149, 46580), (160, 46490), (166, 46445), (173, 46385), (189, 46283), (192, 46262), (215, 46130), (225, 46061), (227, 46055), (229, 46028), (231, 46013), (236, 45971), (241, 45923), (245, 45893), (251, 45866), (285, 45740), (287, 45734), (291, 45707), (301, 45662), (308, 45647), (310, 45641), (326, 45587), (330, 45578), (386, 45350), (394, 45314),

Gene: Chute_52 Start: 47085, Stop: 45289, Start Num: 40
Candidate Starts for Chute_52:
(Start: 40 @47085 has 128 MA's), (Start: 74 @46992 has 130 MA's), (Start: 87 @46968 has 14 MA's), (Start: 92 @46911 has 1 MA's), (Start: 94 @46902 has 2 MA's), (109, 46812), (113, 46779), (126, 46722), (128, 46710), (133, 46686), (136, 46674), (137, 46665), (149, 46605), (160, 46515), (166, 46470), (173, 46410), (183, 46356), (189, 46308), (192, 46287), (215, 46155), (225, 46086), (227, 46080), (229, 46053), (231, 46038), (236, 45996), (241, 45948), (245, 45918), (251, 45891), (285, 45765), (287, 45759), (291, 45732), (301, 45687), (308, 45672), (310, 45666), (326, 45612), (330, 45603), (386, 45375), (394, 45339),

Gene: CloverMinnie_48 Start: 41921, Stop: 40254, Start Num: 72
Candidate Starts for CloverMinnie_48:

(Start: 72 @41921 has 21 MA's), (97, 41816), (100, 41786), (Start: 108 @41738 has 1 MA's), (113, 41702), (114, 41690), (156, 41456), (160, 41435), (173, 41333), (188, 41234), (189, 41231), (194, 41198), (213, 41090), (225, 41009), (226, 41006), (227, 41003), (229, 40976), (230, 40964), (231, 40961), (236, 40919), (245, 40841), (247, 40832), (254, 40799), (279, 40721), (285, 40691), (286, 40688), (295, 40631), (306, 40601), (308, 40598), (362, 40448), (386, 40331), (401, 40265),

Gene: Cobra_52 Start: 46952, Stop: 45249, Start Num: 73
Candidate Starts for Cobra_52:
(23, 47150), (24, 47144), (Start: 73 @46952 has 70 MA's), (Start: 87 @46928 has 14 MA's), (Start: 92 @46871 has 1 MA's), (Start: 94 @46862 has 2 MA's), (109, 46772), (113, 46739), (126, 46682), (128, 46670), (133, 46646), (136, 46634), (137, 46625), (149, 46565), (160, 46475), (166, 46430), (173, 46370), (189, 46268), (192, 46247), (215, 46115), (225, 46046), (227, 46040), (229, 46013), (231, 45998), (236, 45956), (241, 45908), (245, 45878), (251, 45851), (285, 45725), (287, 45719), (291, 45692), (301, 45647), (308, 45632), (310, 45626), (326, 45572), (330, 45563), (386, 45335), (394, 45299),

Gene: Coco2012_45 Start: 39476, Stop: 37809, Start Num: 72
Candidate Starts for Coco2012_45:
(Start: 71 @39479 has 1 MA's), (Start: 72 @39476 has 21 MA's), (91, 39413), (109, 39290), (110, 39287), (113, 39257), (114, 39245), (126, 39200), (145, 39101), (156, 39011), (160, 38990), (173, 38891), (178, 38870), (183, 38837), (189, 38789), (193, 38765), (197, 38729), (202, 38693), (224, 38573), (226, 38564), (229, 38534), (231, 38519), (236, 38477), (241, 38429), (245, 38399), (255, 38351), (277, 38282), (280, 38273), (285, 38249), (308, 38156), (326, 38117), (348, 38051), (352, 38045), (365, 37994), (371, 37967), (380, 37922), (386, 37886), (401, 37820),

Gene: Coffee_51 Start: 46681, Stop: 44966, Start Num: 76
Candidate Starts for Coffee_51:
(9, 47110), (11, 47074), (13, 47002), (15, 46987), (19, 46936), (Start: 76 @46681 has 36 MA's), (Start: 82 @46669 has 2 MA's), (107, 46498), (Start: 108 @46495 has 1 MA's), (113, 46459), (114, 46447), (117, 46438), (126, 46402), (127, 46399), (133, 46366), (145, 46303), (160, 46195), (166, 46156), (178, 46075), (183, 46042), (185, 46033), (189, 45994), (192, 45973), (193, 45970), (199, 45928), (201, 45913), (202, 45898), (209, 45868), (215, 45841), (220, 45793), (226, 45769), (227, 45766), (229, 45739), (230, 45727), (232, 45721), (236, 45682), (241, 45634), (245, 45604), (246, 45598), (256, 45553), (270, 45478), (273, 45466), (280, 45439), (281, 45436), (284, 45421), (295, 45355), (308, 45322), (332, 45244), (344, 45214), (345, 45211), (352, 45199), (361, 45160), (377, 45082), (378, 45079), (386, 45040), (401, 44974),

Gene: Colbert_52 Start: 46995, Stop: 45316, Start Num: 87
Candidate Starts for Colbert_52:
(Start: 73 @47019 has 70 MA's), (Start: 87 @46995 has 14 MA's), (Start: 92 @46938 has 1 MA's), (Start: 94 @46929 has 2 MA's), (109, 46839), (113, 46806), (126, 46749), (128, 46737), (133, 46713), (136, 46701), (137, 46692), (149, 46632), (160, 46542), (166, 46497), (173, 46437), (189, 46335), (192, 46314), (215, 46182), (225, 46113), (227, 46107), (229, 46080), (231, 46065), (236, 46023), (241, 45975), (245, 45945), (251, 45918), (285, 45792), (287, 45786), (291, 45759), (300, 45717), (301, 45714), (308, 45699), (310, 45693), (326, 45639), (330, 45630), (386, 45402), (394, 45366),

Gene: Coldpizza_47 Start: 43350, Stop: 41653, Start Num: 72
Candidate Starts for Coldpizza_47:
(49, 43443), (50, 43440), (Start: 72 @43350 has 21 MA's), (Start: 108 @43170 has 1 MA's), (109, 43167), (113, 43134), (141, 42999), (145, 42978), (156, 42888), (160, 42867), (164, 42834), (166, 42825), (167, 42822), (189, 42663), (193, 42639), (197, 42603), (215, 42510), (226, 42438), (227, 42435), (229, 42408), (236, 42351), (238, 42336), (241, 42303), (245, 42273), (285, 42126), (300, 42051), (308, 42033), (364, 41850), (380, 41775), (384, 41751), (401, 41673), (404, 41664),

Gene: Coletti_52 Start: 47085, Stop: 45289, Start Num: 40
Candidate Starts for Coletti_52:
(Start: 40 @47085 has 128 MA's), (Start: 74 @46992 has 130 MA's), (Start: 87 @46968 has 14 MA's), (Start: 92 @46911 has 1 MA's), (Start: 94 @46902 has 2 MA's), (109, 46812), (113, 46779), (126, 46722), (128, 46710), (133, 46686), (136, 46674), (137, 46665), (149, 46605), (160, 46515), (166, 46470), (173, 46410), (183, 46356), (189, 46308), (192, 46287), (215, 46155), (225, 46086), (227, 46080), (229, 46053), (231, 46038), (236, 45996), (241, 45948), (245, 45918), (251, 45891), (285, 45765), (287, 45759), (291, 45732), (301, 45687), (308, 45672), (310, 45666), (326, 45612), (330, 45603), (386, 45375), (394, 45339),

Gene: Collard_62 Start: 44024, Stop: 45736, Start Num: 79
Candidate Starts for Collard_62:
(Start: 79 @44024 has 26 MA's), (97, 44117), (101, 44159), (Start: 108 @44195 has 1 MA's), (109, 44198), (112, 44222), (113, 44231), (122, 44270), (126, 44288), (137, 44345), (142, 44372), (143, 44375), (151, 44438), (160, 44498), (164, 44528), (166, 44537), (176, 44612), (177, 44615), (185, 44660), (187, 44687), (188, 44696), (189, 44699), (197, 44765), (198, 44768), (199, 44771), (201, 44786), (202, 44801), (213, 44846), (215, 44858), (228, 44936), (229, 44960), (230, 44972), (231, 44975), (232, 44978), (234, 44999), (236, 45017), (241, 45065), (248, 45104), (252, 45125), (273, 45209), (284, 45251), (289, 45275), (295, 45320), (296, 45323), (306, 45356), (315, 45380), (327, 45434), (330, 45440), (334, 45464), (366, 45581), (373, 45623), (379, 45647),

Gene: Compostia_52 Start: 47657, Stop: 45888, Start Num: 56
Candidate Starts for Compostia_52:
(3, 48170), (4, 48113), (5, 48047), (8, 48014), (16, 47873), (18, 47852), (25, 47777), (Start: 44 @47687 has 7 MA's), (53, 47663), (Start: 56 @47657 has 3 MA's), (58, 47654), (Start: 70 @47585 has 42 MA's), (Start: 108 @47387 has 1 MA's), (113, 47351), (126, 47294), (137, 47237), (145, 47195), (147, 47189), (152, 47132), (157, 47105), (160, 47087), (173, 46982), (187, 46892), (189, 46880), (192, 46859), (199, 46814), (210, 46751), (222, 46667), (226, 46652), (227, 46649), (228, 46646), (229, 46622), (232, 46604), (236, 46565), (241, 46517), (245, 46487), (250, 46463), (257, 46421), (283, 46343), (289, 46316), (298, 46265), (308, 46241), (326, 46193), (339, 46154), (356, 46112), (377, 46007), (386, 45965), (389, 45950),

Gene: Cooper_48 Start: 46597, Stop: 44885, Start Num: 74
Candidate Starts for Cooper_48:
(Start: 74 @46597 has 130 MA's), (107, 46414), (Start: 108 @46411 has 1 MA's), (113, 46375), (126, 46318), (128, 46306), (133, 46282), (149, 46201), (156, 46132), (160, 46111), (161, 46090), (173, 46012), (183, 45958), (189, 45910), (193, 45886), (213, 45769), (215, 45757), (219, 45733), (225, 45688), (227, 45682), (229, 45655), (230, 45643), (231, 45640), (236, 45598), (241, 45550), (245, 45520), (256, 45469), (280, 45388), (281, 45385), (284, 45370), (285, 45364), (286, 45361), (292, 45328), (293, 45322), (294, 45313), (300, 45286), (306, 45271), (308, 45268), (312, 45259), (317, 45241), (323, 45214), (330, 45193), (359, 45082), (383, 44974), (386, 44959),

Gene: Cornbread_51 Start: 46644, Stop: 44965, Start Num: 87
Candidate Starts for Cornbread_51:
(Start: 68 @46668 has 1 MA's), (Start: 87 @46644 has 14 MA's), (Start: 92 @46587 has 1 MA's), (Start: 94 @46578 has 2 MA's), (109, 46488), (113, 46455), (126, 46398), (128, 46386), (133, 46362), (136, 46350), (137, 46341), (149, 46281), (160, 46191), (166, 46146), (173, 46086), (183, 46032), (189, 45984), (192, 45963), (215, 45831), (225, 45762), (227, 45756), (229, 45729), (231, 45714), (236, 45672), (241, 45624), (245, 45594), (251, 45567), (285, 45441), (287, 45435), (291, 45408), (301, 45363), (308, 45348), (310, 45342), (326, 45288), (330, 45279), (386, 45051), (394, 45015),

Gene: Cornobble_51 Start: 46509, Stop: 44806, Start Num: 74

Candidate Starts for Cornobble_51:
(Start: 40 @46602 has 128 MA's), (Start: 74 @46509 has 130 MA's), (Start: 87 @46485 has 14 MA's), (Start: 92 @46428 has 1 MA's), (Start: 94 @46419 has 2 MA's), (109, 46329), (113, 46296), (126, 46239), (128, 46227), (133, 46203), (136, 46191), (137, 46182), (149, 46122), (160, 46032), (166, 45987), (173, 45927), (183, 45873), (189, 45825), (192, 45804), (215, 45672), (225, 45603), (227, 45597), (229, 45570), (231, 45555), (236, 45513), (241, 45465), (245, 45435), (251, 45408), (285, 45282), (287, 45276), (291, 45249), (301, 45204), (308, 45189), (310, 45183), (326, 45129), (330, 45120), (386, 44892), (394, 44856),

Gene: Corofin_52 Start: 47252, Stop: 45483, Start Num: 56
Candidate Starts for Corofin_52:
(16, 47468), (18, 47447), (25, 47372), (Start: 44 @47282 has 7 MA's), (53, 47258), (Start: 56 @47252 has 3 MA's), (58, 47249), (Start: 70 @47180 has 42 MA's), (Start: 108 @46982 has 1 MA's), (113, 46946), (126, 46889), (137, 46832), (145, 46790), (147, 46784), (152, 46727), (157, 46700), (160, 46682), (173, 46577), (187, 46487), (189, 46475), (192, 46454), (199, 46409), (210, 46346), (222, 46262), (226, 46247), (227, 46244), (228, 46241), (229, 46217), (232, 46199), (236, 46160), (241, 46112), (245, 46082), (250, 46058), (257, 46016), (283, 45938), (289, 45911), (298, 45860), (308, 45836), (326, 45788), (339, 45749), (356, 45707), (377, 45602), (386, 45560), (389, 45545),

Gene: Cosmolli16_52 Start: 46886, Stop: 45183, Start Num: 74
Candidate Starts for Cosmolli16_52:
(Start: 40 @46979 has 128 MA's), (Start: 74 @46886 has 130 MA's), (Start: 87 @46862 has 14 MA's), (Start: 92 @46805 has 1 MA's), (Start: 94 @46796 has 2 MA's), (109, 46706), (113, 46673), (126, 46616), (128, 46604), (133, 46580), (136, 46568), (137, 46559), (149, 46499), (160, 46409), (166, 46364), (173, 46304), (183, 46250), (189, 46202), (192, 46181), (215, 46049), (225, 45980), (227, 45974), (229, 45947), (231, 45932), (236, 45890), (241, 45842), (245, 45812), (251, 45785), (285, 45659), (287, 45653), (291, 45626), (301, 45581), (308, 45566), (310, 45560), (326, 45506), (330, 45497), (386, 45269), (394, 45233),

Gene: Craff_53 Start: 47180, Stop: 45384, Start Num: 40
Candidate Starts for Craff_53:
(Start: 40 @47180 has 128 MA's), (Start: 74 @47087 has 130 MA's), (Start: 87 @47063 has 14 MA's), (Start: 92 @47006 has 1 MA's), (Start: 94 @46997 has 2 MA's), (109, 46907), (113, 46874), (126, 46817), (128, 46805), (133, 46781), (136, 46769), (137, 46760), (149, 46700), (160, 46610), (166, 46565), (173, 46505), (183, 46451), (189, 46403), (192, 46382), (215, 46250), (225, 46181), (227, 46175), (229, 46148), (231, 46133), (236, 46091), (241, 46043), (245, 46013), (251, 45986), (285, 45860), (287, 45854), (291, 45827), (301, 45782), (308, 45767), (310, 45761), (326, 45707), (330, 45698), (386, 45470), (394, 45434),

Gene: Crownjwl_53 Start: 47051, Stop: 45252, Start Num: 40
Candidate Starts for Crownjwl_53:
(Start: 40 @47051 has 128 MA's), (Start: 74 @46955 has 130 MA's), (Start: 87 @46931 has 14 MA's), (Start: 92 @46874 has 1 MA's), (Start: 94 @46865 has 2 MA's), (109, 46775), (113, 46742), (126, 46685), (128, 46673), (133, 46649), (136, 46637), (137, 46628), (149, 46568), (160, 46478), (166, 46433), (173, 46373), (183, 46319), (189, 46271), (192, 46250), (215, 46118), (225, 46049), (227, 46043), (229, 46016), (231, 46001), (236, 45959), (241, 45911), (245, 45881), (251, 45854), (285, 45728), (287, 45722), (291, 45695), (301, 45650), (308, 45635), (310, 45629), (326, 45575), (330, 45566), (386, 45338), (394, 45302),

Gene: DaddyDaniels_52 Start: 46640, Stop: 44937, Start Num: 74
Candidate Starts for DaddyDaniels_52:
(Start: 74 @46640 has 130 MA's), (Start: 87 @46616 has 14 MA's), (Start: 92 @46559 has 1 MA's), (Start: 94 @46550 has 2 MA's), (109, 46460), (113, 46427), (126, 46370), (128, 46358), (133, 46334),

(136, 46322), (137, 46313), (149, 46253), (160, 46163), (166, 46118), (173, 46058), (183, 46004), (189, 45956), (192, 45935), (215, 45803), (225, 45734), (227, 45728), (229, 45701), (231, 45686), (236, 45644), (241, 45596), (245, 45566), (251, 45539), (285, 45413), (287, 45407), (291, 45380), (300, 45338), (301, 45335), (308, 45320), (310, 45314), (326, 45260), (330, 45251), (386, 45023), (394, 44987),

Gene: Dadosky_66 Start: 44392, Stop: 46107, Start Num: 79
Candidate Starts for Dadosky_66:
(Start: 79 @44392 has 26 MA's), (97, 44485), (101, 44527), (Start: 108 @44563 has 1 MA's), (109, 44566), (112, 44590), (113, 44599), (122, 44638), (126, 44656), (137, 44713), (142, 44740), (143, 44743), (151, 44806), (160, 44866), (164, 44896), (166, 44905), (176, 44980), (177, 44983), (187, 45055), (188, 45064), (189, 45067), (197, 45133), (198, 45136), (199, 45139), (201, 45154), (202, 45169), (205, 45184), (213, 45214), (215, 45226), (229, 45328), (230, 45340), (231, 45343), (232, 45346), (234, 45367), (236, 45385), (241, 45433), (247, 45466), (252, 45493), (284, 45622), (289, 45646), (295, 45691), (296, 45694), (306, 45727), (315, 45751), (327, 45805), (330, 45811), (334, 45835), (366, 45952), (370, 45967), (373, 45994), (379, 46018),

Gene: Daffy_52 Start: 46665, Stop: 44962, Start Num: 74
Candidate Starts for Daffy_52:
(Start: 74 @46665 has 130 MA's), (Start: 87 @46641 has 14 MA's), (Start: 92 @46584 has 1 MA's), (Start: 94 @46575 has 2 MA's), (109, 46485), (113, 46452), (126, 46395), (128, 46383), (133, 46359), (136, 46347), (137, 46338), (149, 46278), (160, 46188), (166, 46143), (173, 46083), (183, 46029), (189, 45981), (192, 45960), (215, 45828), (225, 45759), (227, 45753), (229, 45726), (231, 45711), (236, 45669), (241, 45621), (245, 45591), (251, 45564), (285, 45438), (287, 45432), (291, 45405), (300, 45363), (301, 45360), (308, 45345), (310, 45339), (326, 45285), (330, 45276), (386, 45048), (394, 45012),

Gene: Daisy_52 Start: 47182, Stop: 45485, Start Num: 70
Candidate Starts for Daisy_52:
(Start: 70 @47182 has 42 MA's), (Start: 108 @46984 has 1 MA's), (113, 46948), (126, 46891), (137, 46834), (145, 46792), (147, 46786), (152, 46729), (157, 46702), (160, 46684), (173, 46579), (187, 46489), (189, 46477), (192, 46456), (199, 46411), (210, 46348), (222, 46264), (226, 46249), (227, 46246), (228, 46243), (229, 46219), (232, 46201), (236, 46162), (241, 46114), (245, 46084), (250, 46060), (257, 46018), (283, 45940), (289, 45913), (298, 45862), (308, 45838), (326, 45790), (339, 45751), (356, 45709), (377, 45604), (381, 45589), (386, 45562), (389, 45547),

Gene: Daka_53 Start: 46944, Stop: 45241, Start Num: 74
Candidate Starts for Daka_53:
(Start: 74 @46944 has 130 MA's), (Start: 87 @46920 has 14 MA's), (Start: 92 @46863 has 1 MA's), (Start: 94 @46854 has 2 MA's), (109, 46764), (113, 46731), (126, 46674), (128, 46662), (133, 46638), (136, 46626), (137, 46617), (149, 46557), (160, 46467), (166, 46422), (173, 46362), (183, 46308), (189, 46260), (192, 46239), (215, 46107), (225, 46038), (227, 46032), (229, 46005), (231, 45990), (236, 45948), (241, 45900), (245, 45870), (251, 45843), (285, 45717), (287, 45711), (291, 45684), (301, 45639), (308, 45624), (310, 45618), (326, 45564), (330, 45555), (386, 45327), (394, 45291),

Gene: Dati_52 Start: 46668, Stop: 44965, Start Num: 74
Candidate Starts for Dati_52:
(Start: 74 @46668 has 130 MA's), (Start: 87 @46644 has 14 MA's), (Start: 92 @46587 has 1 MA's), (Start: 94 @46578 has 2 MA's), (109, 46488), (113, 46455), (126, 46398), (128, 46386), (133, 46362), (136, 46350), (137, 46341), (149, 46281), (160, 46191), (166, 46146), (173, 46086), (183, 46032), (189, 45984), (192, 45963), (215, 45831), (225, 45762), (227, 45756), (229, 45729), (231, 45714), (236, 45672), (241, 45624), (245, 45594), (251, 45567), (285, 45441), (287, 45435), (291, 45408), (301, 45363), (308, 45348), (310, 45342), (326, 45288), (330, 45279), (386, 45051), (394, 45015),

Gene: Deenasa_51 Start: 47601, Stop: 45904, Start Num: 70
Candidate Starts for Deenasa_51:
(Start: 70 @47601 has 42 MA's), (Start: 108 @47403 has 1 MA's), (113, 47367), (126, 47310), (137, 47253), (145, 47211), (147, 47205), (152, 47148), (157, 47121), (160, 47103), (173, 46998), (187, 46908), (189, 46896), (192, 46875), (199, 46830), (210, 46767), (222, 46683), (226, 46668), (227, 46665), (228, 46662), (229, 46638), (232, 46620), (236, 46581), (241, 46533), (245, 46503), (250, 46479), (257, 46437), (283, 46359), (289, 46332), (295, 46290), (298, 46281), (308, 46257), (339, 46170), (356, 46128), (377, 46023), (386, 45981), (389, 45966), (392, 45948),

Gene: DelRivs_51 Start: 46765, Stop: 44969, Start Num: 40
Candidate Starts for DelRivs_51:
(Start: 40 @46765 has 128 MA's), (Start: 74 @46672 has 130 MA's), (Start: 87 @46648 has 14 MA's), (Start: 92 @46591 has 1 MA's), (Start: 94 @46582 has 2 MA's), (109, 46492), (113, 46459), (126, 46402), (128, 46390), (133, 46366), (136, 46354), (137, 46345), (149, 46285), (160, 46195), (166, 46150), (173, 46090), (189, 45988), (192, 45967), (215, 45835), (225, 45766), (227, 45760), (229, 45733), (231, 45718), (236, 45676), (241, 45628), (245, 45598), (251, 45571), (285, 45445), (287, 45439), (291, 45412), (300, 45370), (301, 45367), (308, 45352), (310, 45346), (326, 45292), (330, 45283), (386, 45055), (394, 45019),

Gene: Derpp_51 Start: 46603, Stop: 44807, Start Num: 40
Candidate Starts for Derpp_51:
(Start: 40 @46603 has 128 MA's), (Start: 74 @46510 has 130 MA's), (Start: 87 @46486 has 14 MA's), (Start: 92 @46429 has 1 MA's), (Start: 94 @46420 has 2 MA's), (109, 46330), (113, 46297), (126, 46240), (128, 46228), (133, 46204), (136, 46192), (137, 46183), (149, 46123), (160, 46033), (166, 45988), (173, 45928), (183, 45874), (189, 45826), (192, 45805), (215, 45673), (225, 45604), (227, 45598), (229, 45571), (231, 45556), (236, 45514), (241, 45466), (245, 45436), (251, 45409), (285, 45283), (287, 45277), (291, 45250), (301, 45205), (308, 45190), (310, 45184), (326, 45130), (330, 45121), (386, 44893), (394, 44857),

Gene: Devonte_51 Start: 46829, Stop: 45132, Start Num: 70
Candidate Starts for Devonte_51:
(Start: 70 @46829 has 42 MA's), (Start: 108 @46631 has 1 MA's), (113, 46595), (126, 46538), (137, 46481), (145, 46439), (152, 46376), (157, 46349), (160, 46331), (173, 46226), (187, 46136), (189, 46124), (192, 46103), (199, 46058), (210, 45995), (222, 45911), (226, 45896), (227, 45893), (228, 45890), (229, 45866), (232, 45848), (236, 45809), (241, 45761), (245, 45731), (250, 45707), (257, 45665), (283, 45587), (289, 45560), (295, 45518), (298, 45509), (308, 45485), (339, 45398), (356, 45356), (377, 45251), (386, 45209), (389, 45194), (392, 45176),

Gene: Dice_51 Start: 46729, Stop: 44933, Start Num: 40
Candidate Starts for Dice_51:
(Start: 40 @46729 has 128 MA's), (Start: 74 @46636 has 130 MA's), (Start: 87 @46612 has 14 MA's), (Start: 92 @46555 has 1 MA's), (Start: 94 @46546 has 2 MA's), (109, 46456), (113, 46423), (126, 46366), (128, 46354), (133, 46330), (136, 46318), (137, 46309), (149, 46249), (160, 46159), (166, 46114), (173, 46054), (189, 45952), (192, 45931), (215, 45799), (225, 45730), (227, 45724), (229, 45697), (231, 45682), (236, 45640), (241, 45592), (245, 45562), (251, 45535), (285, 45409), (287, 45403), (291, 45376), (300, 45334), (301, 45331), (308, 45316), (310, 45310), (326, 45256), (330, 45247), (386, 45019), (394, 44983),

Gene: DigitDog_52 Start: 47830, Stop: 46136, Start Num: 74
Candidate Starts for DigitDog_52:
(Start: 74 @47830 has 130 MA's), (Start: 87 @47803 has 14 MA's), (96, 47731), (113, 47614), (133, 47524), (136, 47512), (145, 47461), (149, 47443), (156, 47374), (160, 47353), (172, 47257), (178,

47233), (183, 47200), (189, 47152), (192, 47131), (213, 47011), (219, 46975), (224, 46936), (225, 46930), (227, 46924), (229, 46897), (230, 46885), (231, 46882), (236, 46840), (245, 46762), (276, 46639), (281, 46627), (285, 46606), (286, 46603), (293, 46564), (295, 46546), (300, 46528), (308, 46510), (368, 46309), (386, 46213),

Gene: Dingo_52 Start: 46935, Stop: 45232, Start Num: 74
Candidate Starts for Dingo_52:
(Start: 40 @47031 has 128 MA's), (Start: 74 @46935 has 130 MA's), (Start: 87 @46911 has 14 MA's), (Start: 92 @46854 has 1 MA's), (Start: 94 @46845 has 2 MA's), (109, 46755), (113, 46722), (126, 46665), (128, 46653), (133, 46629), (136, 46617), (137, 46608), (149, 46548), (160, 46458), (166, 46413), (173, 46353), (189, 46251), (192, 46230), (215, 46098), (225, 46029), (227, 46023), (229, 45996), (231, 45981), (236, 45939), (241, 45891), (245, 45861), (251, 45834), (285, 45708), (287, 45702), (291, 45675), (301, 45630), (308, 45615), (310, 45609), (326, 45555), (330, 45546), (386, 45318), (394, 45282),

Gene: Dione_51 Start: 46644, Stop: 44941, Start Num: 73
Candidate Starts for Dione_51:
(Start: 73 @46644 has 70 MA's), (Start: 87 @46620 has 14 MA's), (Start: 92 @46563 has 1 MA's), (Start: 94 @46554 has 2 MA's), (109, 46464), (113, 46431), (126, 46374), (128, 46362), (133, 46338), (136, 46326), (137, 46317), (149, 46257), (160, 46167), (166, 46122), (173, 46062), (183, 46008), (189, 45960), (192, 45939), (215, 45807), (225, 45738), (227, 45732), (229, 45705), (231, 45690), (236, 45648), (241, 45600), (245, 45570), (251, 45543), (285, 45417), (287, 45411), (291, 45384), (301, 45339), (308, 45324), (310, 45318), (326, 45264), (330, 45255), (386, 45027), (394, 44991),

Gene: DirtJuice_52 Start: 46934, Stop: 45231, Start Num: 74
Candidate Starts for DirtJuice_52:
(Start: 74 @46934 has 130 MA's), (Start: 87 @46910 has 14 MA's), (Start: 92 @46853 has 1 MA's), (Start: 94 @46844 has 2 MA's), (109, 46754), (113, 46721), (126, 46664), (128, 46652), (133, 46628), (136, 46616), (137, 46607), (149, 46547), (160, 46457), (166, 46412), (189, 46250), (192, 46229), (215, 46097), (225, 46028), (227, 46022), (229, 45995), (231, 45980), (236, 45938), (241, 45890), (245, 45860), (251, 45833), (285, 45707), (287, 45701), (291, 45674), (301, 45629), (308, 45614), (310, 45608), (326, 45554), (330, 45545), (386, 45317), (394, 45281),

Gene: Doddsville_52 Start: 46664, Stop: 44961, Start Num: 74
Candidate Starts for Doddsville_52:
(Start: 74 @46664 has 130 MA's), (Start: 87 @46640 has 14 MA's), (Start: 92 @46583 has 1 MA's), (Start: 94 @46574 has 2 MA's), (109, 46484), (113, 46451), (126, 46394), (128, 46382), (133, 46358), (136, 46346), (137, 46337), (149, 46277), (160, 46187), (166, 46142), (173, 46082), (183, 46028), (189, 45980), (192, 45959), (215, 45827), (225, 45758), (227, 45752), (229, 45725), (231, 45710), (236, 45668), (241, 45620), (245, 45590), (251, 45563), (285, 45437), (287, 45431), (291, 45404), (301, 45359), (308, 45344), (310, 45338), (326, 45284), (330, 45275), (386, 45047), (394, 45011),

Gene: DoesntMatter_51 Start: 46937, Stop: 45234, Start Num: 73
Candidate Starts for DoesntMatter_51:
(Start: 73 @46937 has 70 MA's), (Start: 87 @46913 has 14 MA's), (Start: 92 @46856 has 1 MA's), (Start: 94 @46847 has 2 MA's), (109, 46757), (113, 46724), (126, 46667), (128, 46655), (133, 46631), (136, 46619), (137, 46610), (149, 46550), (160, 46460), (166, 46415), (173, 46355), (183, 46301), (189, 46253), (192, 46232), (215, 46100), (225, 46031), (227, 46025), (229, 45998), (231, 45983), (236, 45941), (241, 45893), (245, 45863), (251, 45836), (285, 45710), (287, 45704), (291, 45677), (301, 45632), (308, 45617), (310, 45611), (326, 45557), (330, 45548), (386, 45320), (394, 45284),

Gene: DolOn_55 Start: 47405, Stop: 45609, Start Num: 40
Candidate Starts for DolOn_55:

(Start: 40 @47405 has 128 MA's), (Start: 74 @47312 has 130 MA's), (Start: 87 @47288 has 14 MA's), (Start: 92 @47231 has 1 MA's), (Start: 94 @47222 has 2 MA's), (109, 47132), (113, 47099), (126, 47042), (128, 47030), (133, 47006), (136, 46994), (137, 46985), (149, 46925), (160, 46835), (166, 46790), (173, 46730), (183, 46676), (189, 46628), (192, 46607), (215, 46475), (225, 46406), (227, 46400), (229, 46373), (231, 46358), (236, 46316), (241, 46268), (245, 46238), (251, 46211), (285, 46085), (287, 46079), (291, 46052), (301, 46007), (308, 45992), (310, 45986), (326, 45932), (330, 45923), (386, 45695), (394, 45659),

Gene: DonSanchon_51 Start: 46647, Stop: 44944, Start Num: 73
Candidate Starts for DonSanchon_51:
(12, 46980), (14, 46953), (Start: 73 @46647 has 70 MA's), (Start: 87 @46623 has 14 MA's), (Start: 92 @46566 has 1 MA's), (Start: 94 @46557 has 2 MA's), (109, 46467), (113, 46434), (126, 46377), (128, 46365), (133, 46341), (136, 46329), (137, 46320), (149, 46260), (160, 46170), (166, 46125), (173, 46065), (189, 45963), (192, 45942), (215, 45810), (225, 45741), (227, 45735), (229, 45708), (231, 45693), (236, 45651), (241, 45603), (245, 45573), (251, 45546), (285, 45420), (287, 45414), (291, 45387), (300, 45345), (301, 45342), (308, 45327), (310, 45321), (326, 45267), (330, 45258), (386, 45030), (394, 44994),

Gene: Donny_53 Start: 48116, Stop: 46422, Start Num: 74
Candidate Starts for Donny_53:
(Start: 57 @48194 has 1 MA's), (Start: 74 @48116 has 130 MA's), (Start: 87 @48089 has 14 MA's), (97, 48014), (113, 47900), (133, 47810), (145, 47747), (149, 47729), (156, 47660), (160, 47639), (173, 47540), (189, 47438), (192, 47417), (213, 47297), (219, 47261), (225, 47216), (227, 47210), (228, 47207), (229, 47183), (230, 47171), (231, 47168), (236, 47126), (241, 47078), (245, 47048), (276, 46925), (285, 46892), (286, 46889), (293, 46850), (300, 46814), (308, 46796), (368, 46595), (386, 46499),

Gene: DoubleChamp_61 Start: 44024, Stop: 45736, Start Num: 79
Candidate Starts for DoubleChamp_61:
(Start: 79 @44024 has 26 MA's), (97, 44117), (101, 44159), (Start: 108 @44195 has 1 MA's), (109, 44198), (112, 44222), (113, 44231), (122, 44270), (126, 44288), (137, 44345), (142, 44372), (143, 44375), (151, 44438), (160, 44498), (164, 44528), (166, 44537), (176, 44612), (177, 44615), (185, 44660), (187, 44687), (188, 44696), (189, 44699), (197, 44765), (198, 44768), (199, 44771), (201, 44786), (202, 44801), (213, 44846), (215, 44858), (228, 44936), (229, 44960), (230, 44972), (231, 44975), (232, 44978), (234, 44999), (236, 45017), (241, 45065), (248, 45104), (252, 45125), (273, 45209), (284, 45251), (289, 45275), (295, 45320), (296, 45323), (306, 45356), (315, 45380), (327, 45434), (330, 45440), (334, 45464), (366, 45581), (373, 45623), (379, 45647),

Gene: DuchessDung_51 Start: 46026, Stop: 44230, Start Num: 40
Candidate Starts for DuchessDung_51:
(Start: 40 @46026 has 128 MA's), (Start: 74 @45933 has 130 MA's), (Start: 87 @45909 has 14 MA's), (Start: 92 @45852 has 1 MA's), (Start: 94 @45843 has 2 MA's), (109, 45753), (113, 45720), (126, 45663), (128, 45651), (133, 45627), (136, 45615), (137, 45606), (149, 45546), (160, 45456), (166, 45411), (173, 45351), (183, 45297), (189, 45249), (192, 45228), (215, 45096), (225, 45027), (227, 45021), (229, 44994), (231, 44979), (236, 44937), (241, 44889), (245, 44859), (251, 44832), (285, 44706), (287, 44700), (291, 44673), (301, 44628), (308, 44613), (310, 44607), (326, 44553), (330, 44544), (386, 44316), (394, 44280),

Gene: Duggie_51 Start: 46756, Stop: 44960, Start Num: 40
Candidate Starts for Duggie_51:
(Start: 40 @46756 has 128 MA's), (Start: 74 @46663 has 130 MA's), (Start: 87 @46639 has 14 MA's), (Start: 92 @46582 has 1 MA's), (Start: 94 @46573 has 2 MA's), (109, 46483), (113, 46450), (126, 46393), (128, 46381), (133, 46357), (136, 46345), (137, 46336), (149, 46276), (160, 46186), (166,

46141), (173, 46081), (183, 46027), (189, 45979), (192, 45958), (215, 45826), (225, 45757), (227, 45751), (229, 45724), (231, 45709), (236, 45667), (241, 45619), (245, 45589), (251, 45562), (285, 45436), (287, 45430), (291, 45403), (301, 45358), (308, 45343), (310, 45337), (326, 45283), (330, 45274), (386, 45046), (394, 45010),

Gene: Durga_53 Start: 47102, Stop: 45399, Start Num: 74
Candidate Starts for Durga_53:
(Start: 40 @47195 has 128 MA's), (Start: 74 @47102 has 130 MA's), (Start: 87 @47078 has 14 MA's), (Start: 92 @47021 has 1 MA's), (Start: 94 @47012 has 2 MA's), (109, 46922), (113, 46889), (126, 46832), (128, 46820), (133, 46796), (136, 46784), (137, 46775), (149, 46715), (160, 46625), (166, 46580), (173, 46520), (183, 46466), (189, 46418), (192, 46397), (215, 46265), (225, 46196), (227, 46190), (229, 46163), (231, 46148), (236, 46106), (241, 46058), (245, 46028), (251, 46001), (285, 45875), (287, 45869), (291, 45842), (301, 45797), (308, 45782), (310, 45776), (326, 45722), (330, 45713), (386, 45485), (394, 45449),

Gene: Eaglehorse_51 Start: 46607, Stop: 44892, Start Num: 76
Candidate Starts for Eaglehorse_51:
(9, 47036), (11, 47000), (13, 46928), (15, 46913), (19, 46862), (Start: 76 @46607 has 36 MA's), (Start: 82 @46595 has 2 MA's), (107, 46424), (Start: 108 @46421 has 1 MA's), (113, 46385), (114, 46373), (117, 46364), (126, 46328), (127, 46325), (133, 46292), (145, 46229), (160, 46121), (166, 46082), (178, 46001), (183, 45968), (185, 45959), (189, 45920), (192, 45899), (193, 45896), (199, 45854), (201, 45839), (202, 45824), (209, 45794), (215, 45767), (220, 45719), (226, 45695), (227, 45692), (229, 45665), (230, 45653), (232, 45647), (236, 45608), (241, 45560), (245, 45530), (246, 45524), (256, 45479), (269, 45407), (270, 45404), (273, 45392), (280, 45365), (281, 45362), (284, 45347), (295, 45281), (308, 45248), (332, 45170), (344, 45140), (345, 45137), (352, 45125), (361, 45086), (377, 45008), (378, 45005), (386, 44966), (401, 44900),

Gene: EastView9101_51 Start: 47766, Stop: 46072, Start Num: 74
Candidate Starts for EastView9101_51:
(Start: 74 @47766 has 130 MA's), (Start: 87 @47739 has 14 MA's), (97, 47664), (113, 47550), (133, 47460), (145, 47397), (149, 47379), (156, 47310), (160, 47289), (178, 47169), (189, 47088), (192, 47067), (213, 46947), (219, 46911), (225, 46866), (227, 46860), (228, 46857), (229, 46833), (230, 46821), (231, 46818), (236, 46776), (241, 46728), (245, 46698), (276, 46575), (281, 46563), (285, 46542), (286, 46539), (293, 46500), (300, 46464), (308, 46446), (368, 46245), (386, 46149),

Gene: Edugator_63 Start: 45810, Stop: 47525, Start Num: 79
Candidate Starts for Edugator_63:
(Start: 79 @45810 has 26 MA's), (97, 45903), (101, 45945), (Start: 108 @45981 has 1 MA's), (109, 45984), (112, 46008), (113, 46017), (122, 46056), (126, 46074), (137, 46131), (142, 46158), (143, 46161), (151, 46224), (160, 46284), (164, 46314), (166, 46323), (176, 46398), (177, 46401), (187, 46473), (188, 46482), (189, 46485), (197, 46551), (198, 46554), (199, 46557), (201, 46572), (202, 46587), (205, 46602), (213, 46632), (215, 46644), (229, 46746), (230, 46758), (231, 46761), (232, 46764), (234, 46785), (236, 46803), (241, 46851), (247, 46884), (252, 46911), (284, 47040), (289, 47064), (295, 47109), (296, 47112), (306, 47145), (315, 47169), (327, 47223), (330, 47229), (334, 47253), (366, 47370), (370, 47385), (373, 47412), (379, 47436),

Gene: ElvisPhasley_53 Start: 47217, Stop: 45421, Start Num: 40
Candidate Starts for ElvisPhasley_53:
(Start: 40 @47217 has 128 MA's), (Start: 74 @47124 has 130 MA's), (Start: 87 @47100 has 14 MA's), (Start: 92 @47043 has 1 MA's), (Start: 94 @47034 has 2 MA's), (109, 46944), (113, 46911), (126, 46854), (128, 46842), (133, 46818), (136, 46806), (137, 46797), (149, 46737), (160, 46647), (166, 46602), (173, 46542), (183, 46488), (189, 46440), (192, 46419), (215, 46287), (225, 46218), (227, 46212), (229, 46185), (231, 46170), (236, 46128), (241, 46080), (245, 46050), (251, 46023), (285,

45897), (287, 45891), (291, 45864), (301, 45819), (308, 45804), (310, 45798), (326, 45744), (330, 45735), (386, 45507), (394, 45471),

Gene: EmGer13_53 Start: 46723, Stop: 45044, Start Num: 87
Candidate Starts for EmGer13_53:
(Start: 73 @46747 has 70 MA's), (Start: 87 @46723 has 14 MA's), (Start: 92 @46666 has 1 MA's), (Start: 94 @46657 has 2 MA's), (109, 46567), (113, 46534), (126, 46477), (128, 46465), (133, 46441), (136, 46429), (137, 46420), (149, 46360), (160, 46270), (166, 46225), (173, 46165), (189, 46063), (192, 46042), (215, 45910), (225, 45841), (227, 45835), (229, 45808), (231, 45793), (236, 45751), (241, 45703), (245, 45673), (251, 45646), (285, 45520), (287, 45514), (291, 45487), (301, 45442), (308, 45427), (310, 45421), (326, 45367), (330, 45358), (386, 45130), (394, 45094),

Gene: EmiRose_31 Start: 25621, Stop: 24032, Start Num: 81
Candidate Starts for EmiRose_31:
(Start: 81 @25621 has 7 MA's), (Start: 87 @25603 has 14 MA's), (91, 25570), (95, 25528), (98, 25519), (100, 25492), (105, 25459), (106, 25453), (107, 25447), (109, 25441), (113, 25408), (117, 25387), (137, 25300), (146, 25255), (150, 25228), (178, 25036), (180, 25030), (183, 25003), (189, 24955), (192, 24934), (205, 24844), (215, 24802), (223, 24742), (225, 24733), (229, 24700), (230, 24688), (236, 24643), (256, 24514), (284, 24436), (295, 24370), (311, 24337), (326, 24301), (328, 24295), (355, 24238), (368, 24199), (380, 24139), (395, 24064),

Gene: Emiris_53 Start: 47070, Stop: 45367, Start Num: 74
Candidate Starts for Emiris_53:
(Start: 40 @47163 has 128 MA's), (Start: 74 @47070 has 130 MA's), (Start: 87 @47046 has 14 MA's), (Start: 92 @46989 has 1 MA's), (Start: 94 @46980 has 2 MA's), (109, 46890), (113, 46857), (126, 46800), (128, 46788), (133, 46764), (136, 46752), (137, 46743), (149, 46683), (160, 46593), (166, 46548), (173, 46488), (183, 46434), (189, 46386), (192, 46365), (215, 46233), (225, 46164), (227, 46158), (229, 46131), (231, 46116), (236, 46074), (241, 46026), (245, 45996), (251, 45969), (285, 45843), (287, 45837), (291, 45810), (301, 45765), (308, 45750), (310, 45744), (326, 45690), (330, 45681), (386, 45453), (394, 45417),

Gene: EmpTee_52 Start: 46950, Stop: 45247, Start Num: 73
Candidate Starts for EmpTee_52:
(Start: 73 @46950 has 70 MA's), (Start: 87 @46926 has 14 MA's), (Start: 92 @46869 has 1 MA's), (Start: 94 @46860 has 2 MA's), (109, 46770), (113, 46737), (126, 46680), (128, 46668), (133, 46644), (136, 46632), (137, 46623), (149, 46563), (160, 46473), (166, 46428), (173, 46368), (183, 46314), (189, 46266), (192, 46245), (215, 46113), (225, 46044), (227, 46038), (229, 46011), (231, 45996), (236, 45954), (241, 45906), (245, 45876), (251, 45849), (285, 45723), (287, 45717), (291, 45690), (300, 45648), (301, 45645), (308, 45630), (310, 45624), (326, 45570), (330, 45561), (386, 45333), (394, 45297),

Gene: Epah_46 Start: 46387, Stop: 44672, Start Num: 74
Candidate Starts for Epah_46:
(Start: 74 @46387 has 130 MA's), (110, 46195), (113, 46165), (117, 46144), (126, 46108), (133, 46072), (135, 46063), (156, 45922), (160, 45901), (161, 45880), (173, 45802), (178, 45781), (183, 45748), (185, 45739), (188, 45703), (189, 45700), (193, 45676), (213, 45559), (215, 45547), (219, 45523), (225, 45478), (227, 45472), (229, 45445), (230, 45433), (231, 45430), (236, 45388), (241, 45340), (245, 45310), (256, 45259), (270, 45211), (281, 45175), (285, 45154), (286, 45151), (293, 45112), (300, 45076), (306, 45061), (308, 45058), (312, 45049), (317, 45031), (323, 45004), (330, 44983), (359, 44872), (386, 44749),

Gene: Eremos_52 Start: 46943, Stop: 45240, Start Num: 73
Candidate Starts for Eremos_52:

(Start: 73 @46943 has 70 MA's), (Start: 87 @46919 has 14 MA's), (Start: 92 @46862 has 1 MA's), (Start: 94 @46853 has 2 MA's), (109, 46763), (113, 46730), (126, 46673), (128, 46661), (133, 46637), (136, 46625), (137, 46616), (149, 46556), (160, 46466), (166, 46421), (173, 46361), (183, 46307), (189, 46259), (192, 46238), (215, 46106), (225, 46037), (227, 46031), (229, 46004), (231, 45989), (236, 45947), (241, 45899), (245, 45869), (251, 45842), (285, 45716), (287, 45710), (291, 45683), (301, 45638), (308, 45623), (310, 45617), (326, 45563), (330, 45554), (386, 45326), (394, 45290),

Gene: Etaye_52 Start: 46937, Stop: 45234, Start Num: 74
Candidate Starts for Etaye_52:
(Start: 74 @46937 has 130 MA's), (Start: 87 @46913 has 14 MA's), (Start: 92 @46856 has 1 MA's), (Start: 94 @46847 has 2 MA's), (109, 46757), (113, 46724), (126, 46667), (128, 46655), (133, 46631), (136, 46619), (137, 46610), (149, 46550), (160, 46460), (166, 46415), (173, 46355), (183, 46301), (189, 46253), (192, 46232), (215, 46100), (225, 46031), (227, 46025), (229, 45998), (231, 45983), (236, 45941), (241, 45893), (245, 45863), (251, 45836), (285, 45710), (287, 45704), (291, 45677), (301, 45632), (308, 45617), (310, 45611), (326, 45557), (330, 45548), (386, 45320), (394, 45284),

Gene: Eugenia_52 Start: 47040, Stop: 45244, Start Num: 40
Candidate Starts for Eugenia_52:
(Start: 40 @47040 has 128 MA's), (Start: 74 @46947 has 130 MA's), (Start: 87 @46923 has 14 MA's), (Start: 92 @46866 has 1 MA's), (Start: 94 @46857 has 2 MA's), (109, 46767), (113, 46734), (126, 46677), (128, 46665), (133, 46641), (136, 46629), (137, 46620), (149, 46560), (160, 46470), (166, 46425), (173, 46365), (183, 46311), (189, 46263), (192, 46242), (215, 46110), (225, 46041), (227, 46035), (229, 46008), (231, 45993), (236, 45951), (241, 45903), (245, 45873), (251, 45846), (285, 45720), (287, 45714), (291, 45687), (301, 45642), (308, 45627), (310, 45621), (326, 45567), (330, 45558), (386, 45330), (394, 45294),

Gene: Evaa_45 Start: 40446, Stop: 38749, Start Num: 72
Candidate Starts for Evaa_45:
(Start: 72 @40446 has 21 MA's), (100, 40311), (107, 40266), (Start: 108 @40263 has 1 MA's), (109, 40260), (113, 40227), (125, 40173), (145, 40071), (156, 39981), (160, 39960), (167, 39915), (178, 39837), (180, 39831), (183, 39804), (189, 39756), (197, 39696), (199, 39690), (215, 39603), (226, 39531), (229, 39501), (231, 39486), (236, 39444), (241, 39396), (245, 39366), (256, 39315), (285, 39225), (295, 39165), (298, 39156), (352, 38991), (380, 38868), (384, 38844), (389, 38817), (398, 38781), (401, 38766),

Gene: Fanaw_46 Start: 47077, Stop: 45368, Start Num: 74
Candidate Starts for Fanaw_46:
(Start: 74 @47077 has 130 MA's), (107, 46894), (110, 46885), (113, 46855), (133, 46765), (149, 46684), (156, 46615), (160, 46594), (173, 46495), (178, 46474), (183, 46441), (185, 46432), (188, 46396), (189, 46393), (193, 46369), (211, 46258), (213, 46252), (215, 46240), (225, 46171), (227, 46165), (229, 46138), (230, 46126), (231, 46123), (236, 46081), (241, 46033), (245, 46003), (256, 45952), (281, 45871), (284, 45856), (285, 45850), (286, 45847), (292, 45814), (293, 45808), (294, 45799), (300, 45772), (306, 45757), (308, 45754), (312, 45745), (317, 45727), (323, 45700), (330, 45679), (359, 45568), (386, 45445), (395, 45406), (398, 45394),

Gene: Fang_53 Start: 47188, Stop: 45392, Start Num: 40
Candidate Starts for Fang_53:
(Start: 40 @47188 has 128 MA's), (Start: 74 @47095 has 130 MA's), (Start: 87 @47071 has 14 MA's), (Start: 92 @47014 has 1 MA's), (Start: 94 @47005 has 2 MA's), (109, 46915), (113, 46882), (126, 46825), (128, 46813), (133, 46789), (136, 46777), (137, 46768), (149, 46708), (160, 46618), (166, 46573), (173, 46513), (183, 46459), (189, 46411), (192, 46390), (215, 46258), (225, 46189), (227, 46183), (229, 46156), (231, 46141), (236, 46099), (241, 46051), (245, 46021), (251, 45994), (285, 45868), (287, 45862), (291, 45835), (300, 45793), (301, 45790), (308, 45775), (310, 45769), (326,

45715), (330, 45706), (386, 45478), (394, 45442),

Gene: Faze9_50 Start: 46701, Stop: 44986, Start Num: 76
Candidate Starts for Faze9_50:
(9, 47130), (11, 47094), (13, 47022), (15, 47007), (19, 46956), (Start: 76 @46701 has 36 MA's), (Start: 82 @46689 has 2 MA's), (107, 46518), (Start: 108 @46515 has 1 MA's), (113, 46479), (114, 46467), (117, 46458), (126, 46422), (127, 46419), (133, 46386), (145, 46323), (160, 46215), (166, 46176), (178, 46095), (183, 46062), (185, 46053), (189, 46014), (192, 45993), (193, 45990), (199, 45948), (201, 45933), (202, 45918), (209, 45888), (215, 45861), (220, 45813), (226, 45789), (227, 45786), (229, 45759), (230, 45747), (232, 45741), (236, 45702), (241, 45654), (245, 45624), (246, 45618), (256, 45573), (270, 45498), (273, 45486), (280, 45459), (281, 45456), (284, 45441), (295, 45375), (308, 45342), (332, 45264), (344, 45234), (345, 45231), (352, 45219), (361, 45180), (377, 45102), (378, 45099), (386, 45060), (401, 44994),

Gene: FelixTres_48 Start: 41984, Stop: 40317, Start Num: 72
Candidate Starts for FelixTres_48:
(Start: 72 @41984 has 21 MA's), (97, 41879), (100, 41849), (Start: 108 @41801 has 1 MA's), (113, 41765), (114, 41753), (156, 41519), (160, 41498), (173, 41396), (188, 41297), (189, 41294), (194, 41261), (213, 41153), (225, 41072), (226, 41069), (227, 41066), (229, 41039), (230, 41027), (231, 41024), (236, 40982), (245, 40904), (247, 40895), (254, 40862), (279, 40784), (281, 40775), (285, 40754), (286, 40751), (295, 40694), (306, 40664), (308, 40661), (362, 40511), (386, 40394), (401, 40328),

Gene: Feyre_67 Start: 47791, Stop: 49500, Start Num: 79
Candidate Starts for Feyre_67:
(Start: 79 @47791 has 26 MA's), (97, 47884), (Start: 108 @47962 has 1 MA's), (109, 47965), (112, 47989), (113, 47998), (122, 48037), (126, 48055), (137, 48112), (142, 48139), (143, 48142), (151, 48205), (160, 48265), (164, 48295), (166, 48304), (176, 48379), (177, 48382), (184, 48424), (185, 48427), (188, 48463), (189, 48466), (197, 48532), (198, 48535), (199, 48538), (201, 48553), (202, 48568), (205, 48583), (213, 48613), (215, 48625), (229, 48727), (230, 48739), (231, 48742), (232, 48745), (234, 48766), (236, 48784), (240, 48829), (241, 48832), (248, 48871), (252, 48892), (284, 49021), (295, 49090), (296, 49093), (306, 49126), (308, 49129), (309, 49132), (325, 49195), (327, 49204), (330, 49210), (334, 49234), (347, 49267), (366, 49351), (370, 49366), (373, 49393), (374, 49402), (379, 49417),

Gene: Flake_52 Start: 46999, Stop: 45296, Start Num: 74
Candidate Starts for Flake_52:
(Start: 74 @46999 has 130 MA's), (Start: 87 @46975 has 14 MA's), (Start: 92 @46918 has 1 MA's), (Start: 94 @46909 has 2 MA's), (109, 46819), (113, 46786), (126, 46729), (128, 46717), (133, 46693), (136, 46681), (137, 46672), (149, 46612), (160, 46522), (166, 46477), (173, 46417), (183, 46363), (189, 46315), (192, 46294), (215, 46162), (225, 46093), (227, 46087), (229, 46060), (231, 46045), (236, 46003), (241, 45955), (245, 45925), (251, 45898), (285, 45772), (287, 45766), (291, 45739), (301, 45694), (308, 45679), (310, 45673), (326, 45619), (330, 45610), (386, 45382), (394, 45346),

Gene: FleetyMac_52 Start: 46952, Stop: 45249, Start Num: 74
Candidate Starts for FleetyMac_52:
(Start: 40 @47045 has 128 MA's), (Start: 74 @46952 has 130 MA's), (Start: 87 @46928 has 14 MA's), (Start: 92 @46871 has 1 MA's), (Start: 94 @46862 has 2 MA's), (109, 46772), (113, 46739), (126, 46682), (128, 46670), (133, 46646), (136, 46634), (137, 46625), (149, 46565), (160, 46475), (166, 46430), (173, 46370), (189, 46268), (192, 46247), (215, 46115), (225, 46046), (227, 46040), (229, 46013), (231, 45998), (236, 45956), (241, 45908), (245, 45878), (251, 45851), (285, 45725), (287, 45719), (291, 45692), (301, 45647), (308, 45632), (310, 45626), (326, 45572), (330, 45563), (386, 45335), (394, 45299),

Gene: FluffyNinja_53 Start: 47202, Stop: 45406, Start Num: 40
Candidate Starts for FluffyNinja_53:
(Start: 40 @47202 has 128 MA's), (Start: 74 @47109 has 130 MA's), (Start: 87 @47085 has 14 MA's), (Start: 92 @47028 has 1 MA's), (Start: 94 @47019 has 2 MA's), (109, 46929), (113, 46896), (126, 46839), (128, 46827), (133, 46803), (136, 46791), (137, 46782), (149, 46722), (160, 46632), (166, 46587), (173, 46527), (189, 46425), (192, 46404), (215, 46272), (225, 46203), (227, 46197), (229, 46170), (231, 46155), (236, 46113), (241, 46065), (245, 46035), (251, 46008), (285, 45882), (287, 45876), (291, 45849), (300, 45807), (301, 45804), (308, 45789), (310, 45783), (326, 45729), (330, 45720), (386, 45492), (394, 45456),

Gene: ForDig_46 Start: 45532, Stop: 43787, Start Num: 74
Candidate Starts for ForDig_46:
(50, 45634), (Start: 74 @45532 has 130 MA's), (113, 45313), (132, 45226), (133, 45223), (137, 45202), (156, 45073), (160, 45052), (161, 45031), (166, 45013), (168, 45001), (171, 44965), (178, 44932), (183, 44899), (185, 44890), (188, 44854), (189, 44851), (192, 44830), (213, 44710), (215, 44698), (219, 44674), (224, 44635), (227, 44623), (229, 44596), (230, 44584), (236, 44539), (237, 44536), (241, 44491), (245, 44461), (247, 44452), (256, 44410), (263, 44362), (281, 44281), (286, 44257), (293, 44218), (295, 44200), (300, 44182), (306, 44170), (308, 44167), (316, 44143), (317, 44140), (323, 44113), (335, 44068), (340, 44059), (352, 44017), (386, 43861),

Gene: Fortunato_48 Start: 47438, Stop: 45729, Start Num: 74
Candidate Starts for Fortunato_48:
(Start: 74 @47438 has 130 MA's), (107, 47255), (113, 47216), (117, 47195), (133, 47126), (149, 47045), (156, 46976), (160, 46955), (173, 46856), (178, 46835), (183, 46802), (185, 46793), (188, 46757), (189, 46754), (193, 46730), (211, 46619), (213, 46613), (215, 46601), (225, 46532), (227, 46526), (229, 46499), (230, 46487), (231, 46484), (236, 46442), (241, 46394), (245, 46364), (256, 46313), (281, 46232), (284, 46217), (285, 46211), (286, 46208), (292, 46175), (293, 46169), (294, 46160), (300, 46133), (306, 46118), (308, 46115), (312, 46106), (317, 46088), (323, 46061), (330, 46040), (359, 45929), (386, 45806), (395, 45767), (398, 45755),

Gene: Fozzie_51 Start: 46972, Stop: 45269, Start Num: 73
Candidate Starts for Fozzie_51:
(Start: 73 @46972 has 70 MA's), (Start: 87 @46948 has 14 MA's), (Start: 92 @46891 has 1 MA's), (Start: 94 @46882 has 2 MA's), (109, 46792), (113, 46759), (126, 46702), (128, 46690), (133, 46666), (136, 46654), (137, 46645), (149, 46585), (160, 46495), (166, 46450), (173, 46390), (183, 46336), (189, 46288), (192, 46267), (215, 46135), (225, 46066), (227, 46060), (229, 46033), (231, 46018), (236, 45976), (241, 45928), (245, 45898), (251, 45871), (285, 45745), (287, 45739), (291, 45712), (301, 45667), (308, 45652), (310, 45646), (326, 45592), (330, 45583), (386, 45355), (394, 45319),

Gene: Frankicide_52 Start: 46974, Stop: 45271, Start Num: 73
Candidate Starts for Frankicide_52:
(Start: 73 @46974 has 70 MA's), (Start: 87 @46950 has 14 MA's), (Start: 92 @46893 has 1 MA's), (Start: 94 @46884 has 2 MA's), (109, 46794), (113, 46761), (126, 46704), (128, 46692), (133, 46668), (136, 46656), (137, 46647), (149, 46587), (160, 46497), (166, 46452), (189, 46290), (192, 46269), (215, 46137), (225, 46068), (227, 46062), (229, 46035), (231, 46020), (236, 45978), (241, 45930), (245, 45900), (251, 45873), (285, 45747), (287, 45741), (291, 45714), (301, 45669), (308, 45654), (310, 45648), (326, 45594), (330, 45585), (386, 45357), (394, 45321),

Gene: Frederick_48 Start: 47414, Stop: 45702, Start Num: 74
Candidate Starts for Frederick_48:
(Start: 74 @47414 has 130 MA's), (107, 47231), (113, 47192), (117, 47171), (133, 47102), (149, 47021), (156, 46952), (160, 46931), (173, 46832), (178, 46811), (183, 46778), (185, 46769), (189,

46730), (193, 46706), (211, 46595), (213, 46589), (215, 46577), (225, 46508), (227, 46502), (229, 46475), (230, 46463), (231, 46460), (236, 46418), (241, 46370), (245, 46340), (256, 46289), (281, 46205), (284, 46190), (285, 46184), (286, 46181), (292, 46148), (293, 46142), (294, 46133), (300, 46106), (306, 46091), (308, 46088), (312, 46079), (317, 46061), (323, 46034), (330, 46013), (359, 45902), (383, 45794), (386, 45779), (395, 45740),

Gene: FremontTroll_51 Start: 46710, Stop: 45007, Start Num: 74
Candidate Starts for FremontTroll_51:
(Start: 40 @46803 has 128 MA's), (Start: 74 @46710 has 130 MA's), (Start: 87 @46686 has 14 MA's), (Start: 92 @46629 has 1 MA's), (Start: 94 @46620 has 2 MA's), (109, 46530), (113, 46497), (126, 46440), (128, 46428), (133, 46404), (136, 46392), (137, 46383), (149, 46323), (160, 46233), (166, 46188), (173, 46128), (183, 46074), (189, 46026), (192, 46005), (215, 45873), (225, 45804), (227, 45798), (229, 45771), (231, 45756), (236, 45714), (241, 45666), (245, 45636), (251, 45609), (285, 45483), (287, 45477), (291, 45450), (301, 45405), (308, 45390), (310, 45384), (326, 45330), (330, 45321), (386, 45093), (394, 45057),

Gene: FrenchFry_51 Start: 46680, Stop: 44965, Start Num: 76
Candidate Starts for FrenchFry_51:
(9, 47109), (11, 47073), (13, 47001), (15, 46986), (19, 46935), (Start: 76 @46680 has 36 MA's), (Start: 82 @46668 has 2 MA's), (107, 46497), (Start: 108 @46494 has 1 MA's), (113, 46458), (114, 46446), (117, 46437), (126, 46401), (127, 46398), (133, 46365), (145, 46302), (160, 46194), (166, 46155), (178, 46074), (183, 46041), (185, 46032), (189, 45993), (192, 45972), (193, 45969), (199, 45927), (201, 45912), (202, 45897), (209, 45867), (215, 45840), (220, 45792), (226, 45768), (227, 45765), (229, 45738), (230, 45726), (232, 45720), (236, 45681), (241, 45633), (245, 45603), (246, 45597), (256, 45552), (270, 45477), (273, 45465), (280, 45438), (281, 45435), (284, 45420), (295, 45354), (308, 45321), (332, 45243), (344, 45213), (345, 45210), (352, 45198), (361, 45159), (386, 45039), (401, 44973),

Gene: Fresco_46 Start: 40113, Stop: 38449, Start Num: 72
Candidate Starts for Fresco_46:
(42, 40215), (Start: 71 @40116 has 1 MA's), (Start: 72 @40113 has 21 MA's), (106, 39939), (107, 39933), (109, 39927), (113, 39894), (114, 39882), (126, 39837), (156, 39651), (160, 39630), (173, 39531), (178, 39510), (183, 39477), (189, 39429), (197, 39369), (224, 39213), (226, 39204), (229, 39174), (231, 39159), (236, 39117), (241, 39069), (245, 39039), (247, 39030), (308, 38796), (326, 38757), (330, 38748), (352, 38685), (380, 38562), (386, 38526), (401, 38460),

Gene: Freya_51 Start: 46635, Stop: 44932, Start Num: 73
Candidate Starts for Freya_51:
(Start: 73 @46635 has 70 MA's), (Start: 87 @46611 has 14 MA's), (Start: 92 @46554 has 1 MA's), (Start: 94 @46545 has 2 MA's), (109, 46455), (113, 46422), (126, 46365), (128, 46353), (133, 46329), (136, 46317), (137, 46308), (149, 46248), (160, 46158), (166, 46113), (173, 46053), (183, 45999), (189, 45951), (192, 45930), (215, 45798), (225, 45729), (227, 45723), (229, 45696), (231, 45681), (236, 45639), (241, 45591), (245, 45561), (251, 45534), (285, 45408), (287, 45402), (291, 45375), (301, 45330), (308, 45315), (310, 45309), (326, 45255), (330, 45246), (386, 45018), (394, 44982),

Gene: FriarPreacher_51 Start: 47079, Stop: 45283, Start Num: 40
Candidate Starts for FriarPreacher_51:
(Start: 40 @47079 has 128 MA's), (Start: 74 @46986 has 130 MA's), (Start: 87 @46962 has 14 MA's), (Start: 92 @46905 has 1 MA's), (Start: 94 @46896 has 2 MA's), (109, 46806), (113, 46773), (126, 46716), (128, 46704), (133, 46680), (136, 46668), (137, 46659), (149, 46599), (160, 46509), (166, 46464), (173, 46404), (189, 46302), (192, 46281), (215, 46149), (225, 46080), (227, 46074), (229, 46047), (231, 46032), (236, 45990), (241, 45942), (245, 45912), (251, 45885), (285, 45759), (287, 45753), (291, 45726), (300, 45684), (301, 45681), (308, 45666), (310, 45660), (326, 45606), (330,

45597), (386, 45369), (394, 45333),

Gene: Fringe_53 Start: 47071, Stop: 45368, Start Num: 74
Candidate Starts for Fringe_53:
(Start: 40 @47164 has 128 MA's), (Start: 74 @47071 has 130 MA's), (Start: 87 @47047 has 14 MA's), (Start: 92 @46990 has 1 MA's), (Start: 94 @46981 has 2 MA's), (109, 46891), (113, 46858), (126, 46801), (128, 46789), (133, 46765), (136, 46753), (137, 46744), (149, 46684), (160, 46594), (166, 46549), (173, 46489), (189, 46387), (192, 46366), (215, 46234), (225, 46165), (227, 46159), (229, 46132), (231, 46117), (236, 46075), (241, 46027), (245, 45997), (251, 45970), (285, 45844), (287, 45838), (291, 45811), (300, 45769), (301, 45766), (308, 45751), (310, 45745), (326, 45691), (330, 45682), (386, 45454), (394, 45418),

Gene: FugateOSU_51 Start: 46742, Stop: 44946, Start Num: 40
Candidate Starts for FugateOSU_51:
(Start: 40 @46742 has 128 MA's), (Start: 74 @46649 has 130 MA's), (Start: 87 @46625 has 14 MA's), (Start: 92 @46568 has 1 MA's), (Start: 94 @46559 has 2 MA's), (109, 46469), (113, 46436), (126, 46379), (128, 46367), (133, 46343), (136, 46331), (137, 46322), (149, 46262), (160, 46172), (166, 46127), (173, 46067), (183, 46013), (189, 45965), (192, 45944), (215, 45812), (225, 45743), (227, 45737), (229, 45710), (231, 45695), (236, 45653), (241, 45605), (245, 45575), (251, 45548), (285, 45422), (287, 45416), (291, 45389), (301, 45344), (308, 45329), (310, 45323), (326, 45269), (330, 45260), (386, 45032), (394, 44996),

Gene: Funsized_55 Start: 50181, Stop: 48472, Start Num: 74
Candidate Starts for Funsized_55:
(46, 50262), (50, 50253), (Start: 74 @50181 has 130 MA's), (97, 50082), (103, 50025), (Start: 108 @50004 has 1 MA's), (113, 49968), (126, 49914), (132, 49881), (133, 49878), (145, 49815), (149, 49797), (156, 49728), (160, 49707), (161, 49686), (171, 49620), (183, 49554), (185, 49545), (188, 49509), (189, 49506), (192, 49485), (193, 49482), (201, 49425), (213, 49365), (215, 49353), (225, 49284), (227, 49278), (229, 49251), (230, 49239), (231, 49236), (236, 49194), (238, 49179), (241, 49146), (245, 49116), (256, 49065), (281, 48984), (285, 48963), (295, 48903), (300, 48885), (308, 48867), (330, 48777), (359, 48672), (362, 48663), (377, 48591), (386, 48549), (397, 48507),

Gene: Gadjet_53 Start: 47587, Stop: 45788, Start Num: 44
Candidate Starts for Gadjet_53:
(6, 47935), (16, 47773), (18, 47752), (25, 47677), (Start: 44 @47587 has 7 MA's), (53, 47563), (Start: 56 @47557 has 3 MA's), (58, 47554), (Start: 70 @47485 has 42 MA's), (Start: 108 @47287 has 1 MA's), (113, 47251), (126, 47194), (137, 47137), (145, 47095), (147, 47089), (152, 47032), (157, 47005), (160, 46987), (173, 46882), (176, 46867), (187, 46792), (189, 46780), (192, 46759), (199, 46714), (210, 46651), (222, 46567), (226, 46552), (227, 46549), (228, 46546), (229, 46522), (232, 46504), (236, 46465), (241, 46417), (245, 46387), (250, 46363), (257, 46321), (283, 46243), (289, 46216), (298, 46165), (308, 46141), (339, 46054), (356, 46012), (377, 45907), (381, 45892), (386, 45865), (389, 45850), (392, 45832),

Gene: Gareth_51 Start: 46736, Stop: 44940, Start Num: 40
Candidate Starts for Gareth_51:
(Start: 40 @46736 has 128 MA's), (Start: 74 @46643 has 130 MA's), (Start: 87 @46619 has 14 MA's), (Start: 92 @46562 has 1 MA's), (Start: 94 @46553 has 2 MA's), (109, 46463), (113, 46430), (126, 46373), (128, 46361), (133, 46337), (136, 46325), (137, 46316), (149, 46256), (160, 46166), (166, 46121), (173, 46061), (183, 46007), (189, 45959), (192, 45938), (215, 45806), (225, 45737), (227, 45731), (229, 45704), (231, 45689), (236, 45647), (241, 45599), (245, 45569), (251, 45542), (285, 45416), (287, 45410), (291, 45383), (301, 45338), (308, 45323), (310, 45317), (326, 45263), (330, 45254), (386, 45026), (394, 44990),

Gene: GeneCoco_52 Start: 47051, Stop: 45255, Start Num: 40
Candidate Starts for GeneCoco_52:
(Start: 40 @47051 has 128 MA's), (Start: 74 @46958 has 130 MA's), (Start: 87 @46934 has 14 MA's), (Start: 92 @46877 has 1 MA's), (Start: 94 @46868 has 2 MA's), (109, 46778), (113, 46745), (126, 46688), (128, 46676), (133, 46652), (136, 46640), (137, 46631), (149, 46571), (160, 46481), (166, 46436), (173, 46376), (183, 46322), (189, 46274), (192, 46253), (215, 46121), (225, 46052), (227, 46046), (229, 46019), (231, 46004), (236, 45962), (241, 45914), (245, 45884), (251, 45857), (285, 45731), (287, 45725), (291, 45698), (301, 45653), (308, 45638), (310, 45632), (326, 45578), (330, 45569), (386, 45341), (394, 45305),

Gene: Gengar_64 Start: 45778, Stop: 47487, Start Num: 79
Candidate Starts for Gengar_64:
(Start: 79 @45778 has 26 MA's), (97, 45871), (101, 45913), (Start: 108 @45949 has 1 MA's), (109, 45952), (112, 45976), (113, 45985), (122, 46024), (126, 46042), (137, 46099), (142, 46126), (143, 46129), (151, 46192), (160, 46252), (164, 46282), (166, 46291), (173, 46351), (176, 46366), (177, 46369), (184, 46411), (185, 46414), (188, 46450), (189, 46453), (197, 46519), (198, 46522), (199, 46525), (201, 46540), (202, 46555), (205, 46570), (213, 46600), (215, 46612), (229, 46714), (230, 46726), (231, 46729), (232, 46732), (234, 46753), (236, 46771), (240, 46816), (241, 46819), (248, 46858), (252, 46879), (284, 47008), (295, 47077), (296, 47080), (306, 47113), (308, 47116), (309, 47119), (325, 47182), (327, 47191), (330, 47197), (334, 47221), (347, 47254), (361, 47317), (366, 47338), (370, 47353), (373, 47380), (374, 47389), (379, 47404),

Gene: Gervas_53 Start: 47597, Stop: 45900, Start Num: 70
Candidate Starts for Gervas_53:
(Start: 70 @47597 has 42 MA's), (Start: 108 @47399 has 1 MA's), (113, 47363), (126, 47306), (137, 47249), (145, 47207), (147, 47201), (152, 47144), (157, 47117), (160, 47099), (173, 46994), (187, 46904), (189, 46892), (192, 46871), (199, 46826), (210, 46763), (222, 46679), (226, 46664), (227, 46661), (228, 46658), (229, 46634), (232, 46616), (236, 46577), (241, 46529), (245, 46499), (250, 46475), (257, 46433), (283, 46355), (289, 46328), (298, 46277), (308, 46253), (326, 46205), (339, 46166), (356, 46124), (377, 46019), (386, 45977), (389, 45962),

Gene: GinPorsche_47 Start: 46387, Stop: 44672, Start Num: 74
Candidate Starts for GinPorsche_47:
(Start: 74 @46387 has 130 MA's), (110, 46195), (113, 46165), (117, 46144), (126, 46108), (133, 46072), (135, 46063), (156, 45922), (160, 45901), (161, 45880), (173, 45802), (178, 45781), (183, 45748), (185, 45739), (188, 45703), (189, 45700), (193, 45676), (213, 45559), (215, 45547), (219, 45523), (225, 45478), (227, 45472), (229, 45445), (230, 45433), (231, 45430), (236, 45388), (241, 45340), (245, 45310), (256, 45259), (270, 45211), (281, 45175), (285, 45154), (286, 45151), (293, 45112), (300, 45076), (306, 45061), (308, 45058), (312, 45049), (317, 45031), (323, 45004), (330, 44983), (359, 44872), (386, 44749),

Gene: Giraffe_52 Start: 46760, Stop: 44964, Start Num: 40
Candidate Starts for Giraffe_52:
(Start: 40 @46760 has 128 MA's), (Start: 74 @46667 has 130 MA's), (Start: 87 @46643 has 14 MA's), (Start: 92 @46586 has 1 MA's), (Start: 94 @46577 has 2 MA's), (109, 46487), (113, 46454), (126, 46397), (128, 46385), (133, 46361), (136, 46349), (137, 46340), (149, 46280), (160, 46190), (166, 46145), (173, 46085), (183, 46031), (189, 45983), (192, 45962), (215, 45830), (225, 45761), (227, 45755), (229, 45728), (231, 45713), (236, 45671), (241, 45623), (245, 45593), (251, 45566), (285, 45440), (287, 45434), (291, 45407), (301, 45362), (308, 45347), (310, 45341), (326, 45287), (330, 45278), (386, 45050), (394, 45014),

Gene: Glass_51 Start: 46685, Stop: 44970, Start Num: 76
Candidate Starts for Glass_51:

(Start: 76 @46685 has 36 MA's), (107, 46502), (Start: 108 @46499 has 1 MA's), (113, 46463), (114, 46451), (117, 46442), (126, 46406), (127, 46403), (133, 46370), (145, 46307), (160, 46199), (166, 46160), (178, 46079), (183, 46046), (185, 46037), (189, 45998), (192, 45977), (193, 45974), (199, 45932), (201, 45917), (202, 45902), (209, 45872), (215, 45845), (219, 45821), (220, 45797), (226, 45773), (227, 45770), (229, 45743), (230, 45731), (232, 45725), (236, 45686), (241, 45638), (245, 45608), (256, 45557), (258, 45530), (270, 45482), (273, 45470), (280, 45443), (281, 45440), (284, 45425), (295, 45359), (308, 45326), (332, 45248), (344, 45218), (345, 45215), (352, 45203), (361, 45164), (386, 45044), (401, 44978),

Gene: GlenHope_53 Start: 47220, Stop: 45451, Start Num: 56
Candidate Starts for GlenHope_53:
(6, 47598), (16, 47436), (18, 47415), (25, 47340), (Start: 44 @47250 has 7 MA's), (53, 47226), (Start: 56 @47220 has 3 MA's), (58, 47217), (Start: 70 @47148 has 42 MA's), (Start: 108 @46950 has 1 MA's), (113, 46914), (126, 46857), (137, 46800), (145, 46758), (147, 46752), (152, 46695), (157, 46668), (160, 46650), (173, 46545), (187, 46455), (189, 46443), (192, 46422), (199, 46377), (210, 46314), (222, 46230), (226, 46215), (227, 46212), (228, 46209), (229, 46185), (232, 46167), (236, 46128), (241, 46080), (245, 46050), (250, 46026), (257, 45984), (283, 45906), (289, 45879), (298, 45828), (308, 45804), (326, 45756), (339, 45717), (356, 45675), (377, 45570), (386, 45528), (389, 45513),

Gene: Glubnar_53 Start: 47148, Stop: 45451, Start Num: 70
Candidate Starts for Glubnar_53:
(Start: 70 @47148 has 42 MA's), (Start: 108 @46950 has 1 MA's), (113, 46914), (126, 46857), (137, 46800), (145, 46758), (147, 46752), (152, 46695), (157, 46668), (160, 46650), (173, 46545), (176, 46530), (187, 46455), (189, 46443), (192, 46422), (199, 46377), (210, 46314), (222, 46230), (226, 46215), (227, 46212), (228, 46209), (229, 46185), (232, 46167), (236, 46128), (241, 46080), (245, 46050), (250, 46026), (257, 45984), (283, 45906), (289, 45879), (298, 45828), (308, 45804), (326, 45756), (339, 45717), (356, 45675), (377, 45570), (386, 45528), (389, 45513),

Gene: Godines_51 Start: 46637, Stop: 44922, Start Num: 76
Candidate Starts for Godines_51:
(Start: 76 @46637 has 36 MA's), (Start: 82 @46625 has 2 MA's), (101, 46487), (107, 46454), (Start: 108 @46451 has 1 MA's), (113, 46415), (114, 46403), (117, 46394), (126, 46358), (127, 46355), (133, 46322), (145, 46259), (160, 46151), (166, 46112), (178, 46031), (183, 45998), (185, 45989), (189, 45950), (192, 45929), (193, 45926), (199, 45884), (201, 45869), (202, 45854), (209, 45824), (215, 45797), (219, 45773), (220, 45749), (226, 45725), (227, 45722), (229, 45695), (230, 45683), (232, 45677), (236, 45638), (241, 45590), (245, 45560), (256, 45509), (258, 45482), (270, 45434), (273, 45422), (280, 45395), (281, 45392), (284, 45377), (295, 45311), (308, 45278), (332, 45200), (344, 45170), (345, 45167), (352, 45155), (361, 45116), (377, 45038), (386, 44996), (401, 44930),

Gene: Gophee_52 Start: 46917, Stop: 45238, Start Num: 87
Candidate Starts for Gophee_52:
(Start: 40 @47034 has 128 MA's), (Start: 74 @46941 has 130 MA's), (Start: 87 @46917 has 14 MA's), (Start: 92 @46860 has 1 MA's), (Start: 94 @46851 has 2 MA's), (109, 46761), (113, 46728), (126, 46671), (128, 46659), (133, 46635), (136, 46623), (137, 46614), (149, 46554), (160, 46464), (166, 46419), (173, 46359), (183, 46305), (189, 46257), (192, 46236), (215, 46104), (225, 46035), (227, 46029), (229, 46002), (231, 45987), (236, 45945), (241, 45897), (245, 45867), (251, 45840), (285, 45714), (287, 45708), (291, 45681), (300, 45639), (301, 45636), (308, 45621), (310, 45615), (326, 45561), (330, 45552), (386, 45324), (394, 45288),

Gene: Grand2040_51 Start: 46754, Stop: 44958, Start Num: 40
Candidate Starts for Grand2040_51:

(Start: 40 @46754 has 128 MA's), (Start: 74 @46661 has 130 MA's), (Start: 87 @46637 has 14 MA's), (Start: 92 @46580 has 1 MA's), (Start: 94 @46571 has 2 MA's), (109, 46481), (113, 46448), (126, 46391), (128, 46379), (133, 46355), (136, 46343), (137, 46334), (149, 46274), (160, 46184), (166, 46139), (173, 46079), (183, 46025), (189, 45977), (192, 45956), (215, 45824), (225, 45755), (227, 45749), (229, 45722), (231, 45707), (236, 45665), (241, 45617), (245, 45587), (251, 45560), (285, 45434), (287, 45428), (291, 45401), (301, 45356), (308, 45341), (310, 45335), (326, 45281), (330, 45272), (386, 45044), (394, 45008),

Gene: GreenChile_54 Start: 47040, Stop: 45244, Start Num: 40
Candidate Starts for GreenChile_54:
(Start: 40 @47040 has 128 MA's), (Start: 74 @46947 has 130 MA's), (Start: 87 @46923 has 14 MA's), (Start: 92 @46866 has 1 MA's), (Start: 94 @46857 has 2 MA's), (109, 46767), (113, 46734), (126, 46677), (128, 46665), (133, 46641), (136, 46629), (137, 46620), (149, 46560), (160, 46470), (166, 46425), (173, 46365), (189, 46263), (192, 46242), (215, 46110), (225, 46041), (227, 46035), (229, 46008), (231, 45993), (236, 45951), (241, 45903), (245, 45873), (251, 45846), (285, 45720), (287, 45714), (291, 45687), (301, 45642), (308, 45627), (310, 45621), (326, 45567), (330, 45558), (386, 45330), (394, 45294),

Gene: Guillsminger_65 Start: 45720, Stop: 47429, Start Num: 79
Candidate Starts for Guillsminger_65:
(Start: 79 @45720 has 26 MA's), (97, 45813), (101, 45855), (Start: 108 @45891 has 1 MA's), (109, 45894), (112, 45918), (113, 45927), (122, 45966), (126, 45984), (137, 46041), (142, 46068), (143, 46071), (151, 46134), (160, 46194), (164, 46224), (166, 46233), (173, 46293), (176, 46308), (177, 46311), (184, 46353), (185, 46356), (188, 46392), (189, 46395), (197, 46461), (198, 46464), (199, 46467), (201, 46482), (202, 46497), (205, 46512), (213, 46542), (215, 46554), (229, 46656), (230, 46668), (231, 46671), (232, 46674), (234, 46695), (236, 46713), (240, 46758), (241, 46761), (248, 46800), (252, 46821), (284, 46950), (295, 47019), (296, 47022), (306, 47055), (308, 47058), (309, 47061), (325, 47124), (327, 47133), (330, 47139), (334, 47163), (347, 47196), (361, 47259), (366, 47280), (370, 47295), (373, 47322), (374, 47331), (379, 47346),

Gene: Gustav_35 Start: 27998, Stop: 26355, Start Num: 81
Candidate Starts for Gustav_35:
(27, 28190), (29, 28175), (33, 28163), (34, 28160), (Start: 38 @28133 has 1 MA's), (Start: 81 @27998 has 7 MA's), (89, 27956), (93, 27920), (97, 27902), (102, 27854), (109, 27821), (113, 27788), (117, 27767), (137, 27680), (140, 27662), (142, 27653), (144, 27647), (145, 27638), (148, 27629), (153, 27554), (160, 27527), (168, 27482), (178, 27413), (180, 27407), (185, 27371), (189, 27332), (191, 27320), (193, 27308), (197, 27272), (199, 27266), (201, 27251), (211, 27197), (223, 27119), (231, 27062), (232, 27059), (236, 27020), (240, 26975), (245, 26942), (247, 26933), (259, 26873), (261, 26870), (266, 26855), (273, 26834), (289, 26771), (293, 26747), (308, 26699), (386, 26420),

Gene: Gwennie1_52 Start: 47100, Stop: 45304, Start Num: 40
Candidate Starts for Gwennie1_52:
(Start: 40 @47100 has 128 MA's), (Start: 74 @47007 has 130 MA's), (Start: 87 @46983 has 14 MA's), (Start: 92 @46926 has 1 MA's), (Start: 94 @46917 has 2 MA's), (109, 46827), (113, 46794), (126, 46737), (128, 46725), (133, 46701), (136, 46689), (137, 46680), (149, 46620), (160, 46530), (166, 46485), (173, 46425), (183, 46371), (189, 46323), (192, 46302), (215, 46170), (225, 46101), (227, 46095), (229, 46068), (231, 46053), (236, 46011), (241, 45963), (245, 45933), (251, 45906), (285, 45780), (287, 45774), (291, 45747), (301, 45702), (308, 45687), (310, 45681), (326, 45627), (330, 45618), (386, 45390), (394, 45354),

Gene: Gwilliam_52 Start: 47040, Stop: 45244, Start Num: 40
Candidate Starts for Gwilliam_52:

(Start: 40 @47040 has 128 MA's), (Start: 74 @46947 has 130 MA's), (Start: 87 @46923 has 14 MA's), (Start: 92 @46866 has 1 MA's), (Start: 94 @46857 has 2 MA's), (109, 46767), (113, 46734), (126, 46677), (128, 46665), (133, 46641), (136, 46629), (137, 46620), (149, 46560), (160, 46470), (166, 46425), (173, 46365), (183, 46311), (189, 46263), (192, 46242), (215, 46110), (225, 46041), (227, 46035), (229, 46008), (231, 45993), (236, 45951), (241, 45903), (245, 45873), (251, 45846), (285, 45720), (287, 45714), (291, 45687), (301, 45642), (308, 45627), (310, 45621), (326, 45567), (330, 45558), (386, 45330), (394, 45294),

Gene: Gyarad_0052 Start: 46961, Stop: 45258, Start Num: 73
Candidate Starts for Gyarad_0052:
(12, 47294), (14, 47267), (Start: 73 @46961 has 70 MA's), (Start: 87 @46937 has 14 MA's), (Start: 92 @46880 has 1 MA's), (Start: 94 @46871 has 2 MA's), (109, 46781), (113, 46748), (126, 46691), (128, 46679), (133, 46655), (136, 46643), (137, 46634), (149, 46574), (160, 46484), (166, 46439), (189, 46277), (192, 46256), (215, 46124), (225, 46055), (227, 46049), (229, 46022), (231, 46007), (236, 45965), (241, 45917), (245, 45887), (251, 45860), (285, 45734), (287, 45728), (291, 45701), (301, 45656), (308, 45641), (310, 45635), (326, 45581), (330, 45572), (386, 45344), (394, 45308),

Gene: HSavage_52 Start: 46953, Stop: 45250, Start Num: 73
Candidate Starts for HSavage_52:
(Start: 73 @46953 has 70 MA's), (Start: 87 @46929 has 14 MA's), (Start: 92 @46872 has 1 MA's), (Start: 94 @46863 has 2 MA's), (109, 46773), (113, 46740), (126, 46683), (128, 46671), (133, 46647), (136, 46635), (137, 46626), (149, 46566), (160, 46476), (166, 46431), (189, 46269), (192, 46248), (215, 46116), (225, 46047), (227, 46041), (229, 46014), (231, 45999), (236, 45957), (241, 45909), (245, 45879), (251, 45852), (285, 45726), (287, 45720), (291, 45693), (301, 45648), (308, 45633), (310, 45627), (326, 45573), (330, 45564), (386, 45336), (394, 45300),

Gene: Haimas_52 Start: 46947, Stop: 45244, Start Num: 73
Candidate Starts for Haimas_52:
(12, 47280), (14, 47253), (Start: 73 @46947 has 70 MA's), (Start: 87 @46923 has 14 MA's), (Start: 92 @46866 has 1 MA's), (Start: 94 @46857 has 2 MA's), (109, 46767), (113, 46734), (126, 46677), (128, 46665), (133, 46641), (136, 46629), (137, 46620), (149, 46560), (160, 46470), (166, 46425), (173, 46365), (189, 46263), (192, 46242), (215, 46110), (225, 46041), (227, 46035), (229, 46008), (231, 45993), (236, 45951), (241, 45903), (245, 45873), (251, 45846), (285, 45720), (287, 45714), (291, 45687), (301, 45642), (308, 45627), (310, 45621), (326, 45567), (330, 45558), (386, 45330), (394, 45294),

Gene: Haleema_51 Start: 46661, Stop: 44958, Start Num: 74
Candidate Starts for Haleema_51:
(Start: 74 @46661 has 130 MA's), (Start: 87 @46637 has 14 MA's), (Start: 92 @46580 has 1 MA's), (Start: 94 @46571 has 2 MA's), (109, 46481), (113, 46448), (126, 46391), (128, 46379), (133, 46355), (136, 46343), (137, 46334), (149, 46274), (160, 46184), (166, 46139), (173, 46079), (183, 46025), (189, 45977), (192, 45956), (215, 45824), (225, 45755), (227, 45749), (229, 45722), (231, 45707), (236, 45665), (241, 45617), (245, 45587), (251, 45560), (285, 45434), (287, 45428), (291, 45401), (300, 45359), (301, 45356), (308, 45341), (310, 45335), (326, 45281), (330, 45272), (386, 45044), (394, 45008),

Gene: Halfpint_51 Start: 46973, Stop: 45276, Start Num: 70
Candidate Starts for Halfpint_51:
(Start: 70 @46973 has 42 MA's), (Start: 108 @46775 has 1 MA's), (113, 46739), (126, 46682), (137, 46625), (145, 46583), (147, 46577), (152, 46520), (157, 46493), (160, 46475), (173, 46370), (187, 46280), (189, 46268), (192, 46247), (199, 46202), (210, 46139), (222, 46055), (226, 46040), (227, 46037), (228, 46034), (229, 46010), (232, 45992), (236, 45953), (241, 45905), (245, 45875), (250, 45851), (257, 45809), (283, 45731), (289, 45704), (298, 45653), (308, 45629), (326, 45581), (339,

45542), (356, 45500), (377, 45395), (386, 45353), (389, 45338),

Gene: Hally898_46 Start: 46399, Stop: 44684, Start Num: 74
Candidate Starts for Hally898_46:
(Start: 74 @46399 has 130 MA's), (110, 46207), (113, 46177), (117, 46156), (126, 46120), (133, 46084), (135, 46075), (156, 45934), (160, 45913), (161, 45892), (173, 45814), (178, 45793), (183, 45760), (185, 45751), (188, 45715), (189, 45712), (193, 45688), (213, 45571), (215, 45559), (219, 45535), (225, 45490), (227, 45484), (229, 45457), (230, 45445), (231, 45442), (236, 45400), (241, 45352), (245, 45322), (256, 45271), (270, 45223), (281, 45187), (285, 45166), (286, 45163), (293, 45124), (300, 45088), (306, 45073), (308, 45070), (312, 45061), (317, 45043), (323, 45016), (330, 44995), (359, 44884), (386, 44761),

Gene: Hamish_52 Start: 46940, Stop: 45237, Start Num: 73
Candidate Starts for Hamish_52:
(12, 47273), (14, 47246), (Start: 73 @46940 has 70 MA's), (Start: 87 @46916 has 14 MA's), (Start: 92 @46859 has 1 MA's), (Start: 94 @46850 has 2 MA's), (109, 46760), (113, 46727), (126, 46670), (128, 46658), (133, 46634), (136, 46622), (137, 46613), (149, 46553), (160, 46463), (166, 46418), (173, 46358), (189, 46256), (192, 46235), (215, 46103), (225, 46034), (227, 46028), (229, 46001), (231, 45986), (236, 45944), (241, 45896), (245, 45866), (251, 45839), (285, 45713), (287, 45707), (291, 45680), (301, 45635), (308, 45620), (310, 45614), (326, 45560), (330, 45551), (386, 45323), (394, 45287),

Gene: Hangman_47 Start: 47517, Stop: 45808, Start Num: 74
Candidate Starts for Hangman_47:
(Start: 74 @47517 has 130 MA's), (107, 47334), (113, 47295), (117, 47274), (133, 47205), (149, 47124), (156, 47055), (160, 47034), (173, 46935), (178, 46914), (183, 46881), (185, 46872), (188, 46836), (189, 46833), (193, 46809), (211, 46698), (213, 46692), (215, 46680), (225, 46611), (227, 46605), (229, 46578), (230, 46566), (231, 46563), (236, 46521), (241, 46473), (245, 46443), (256, 46392), (281, 46311), (284, 46296), (285, 46290), (286, 46287), (292, 46254), (293, 46248), (294, 46239), (300, 46212), (306, 46197), (308, 46194), (312, 46185), (317, 46167), (323, 46140), (330, 46119), (359, 46008), (386, 45885), (395, 45846),

Gene: Happabalu_52 Start: 46668, Stop: 44965, Start Num: 74
Candidate Starts for Happabalu_52:
(Start: 74 @46668 has 130 MA's), (Start: 87 @46644 has 14 MA's), (Start: 92 @46587 has 1 MA's), (Start: 94 @46578 has 2 MA's), (109, 46488), (113, 46455), (126, 46398), (128, 46386), (133, 46362), (136, 46350), (137, 46341), (149, 46281), (160, 46191), (166, 46146), (173, 46086), (183, 46032), (189, 45984), (192, 45963), (215, 45831), (225, 45762), (227, 45756), (229, 45729), (231, 45714), (236, 45672), (241, 45624), (245, 45594), (251, 45567), (285, 45441), (287, 45435), (291, 45408), (301, 45363), (308, 45348), (310, 45342), (326, 45288), (330, 45279), (386, 45051), (394, 45015),

Gene: Hartsy_52 Start: 47083, Stop: 45287, Start Num: 40
Candidate Starts for Hartsy_52:
(Start: 40 @47083 has 128 MA's), (Start: 74 @46990 has 130 MA's), (Start: 87 @46966 has 14 MA's), (Start: 92 @46909 has 1 MA's), (Start: 94 @46900 has 2 MA's), (109, 46810), (113, 46777), (126, 46720), (128, 46708), (133, 46684), (136, 46672), (137, 46663), (149, 46603), (160, 46513), (166, 46468), (173, 46408), (183, 46354), (189, 46306), (192, 46285), (215, 46153), (225, 46084), (227, 46078), (229, 46051), (231, 46036), (236, 45994), (241, 45946), (245, 45916), (251, 45889), (285, 45763), (287, 45757), (291, 45730), (301, 45685), (308, 45670), (310, 45664), (326, 45610), (330, 45601), (386, 45373), (394, 45337),

Gene: Harvey_52 Start: 46977, Stop: 45274, Start Num: 73
Candidate Starts for Harvey_52:

(12, 47310), (14, 47283), (Start: 73 @46977 has 70 MA's), (Start: 87 @46953 has 14 MA's), (Start: 92 @46896 has 1 MA's), (Start: 94 @46887 has 2 MA's), (109, 46797), (113, 46764), (126, 46707), (128, 46695), (133, 46671), (136, 46659), (137, 46650), (149, 46590), (160, 46500), (166, 46455), (173, 46395), (189, 46293), (192, 46272), (215, 46140), (225, 46071), (227, 46065), (229, 46038), (231, 46023), (236, 45981), (241, 45933), (245, 45903), (251, 45876), (285, 45750), (287, 45744), (291, 45717), (300, 45675), (301, 45672), (308, 45657), (310, 45651), (326, 45597), (330, 45588), (386, 45360), (394, 45324),

Gene: HarveySr_51 Start: 46825, Stop: 45128, Start Num: 70
Candidate Starts for HarveySr_51:
(Start: 70 @46825 has 42 MA's), (Start: 108 @46627 has 1 MA's), (113, 46591), (126, 46534), (137, 46477), (145, 46435), (152, 46372), (157, 46345), (160, 46327), (173, 46222), (187, 46132), (189, 46120), (192, 46099), (199, 46054), (210, 45991), (222, 45907), (226, 45892), (227, 45889), (228, 45886), (229, 45862), (232, 45844), (236, 45805), (241, 45757), (245, 45727), (250, 45703), (257, 45661), (283, 45583), (289, 45556), (295, 45514), (298, 45505), (308, 45481), (339, 45394), (356, 45352), (377, 45247), (386, 45205), (389, 45190), (392, 45172),

Gene: Hashim76_55 Start: 47369, Stop: 45522, Start Num: 45
Candidate Starts for Hashim76_55:
(Start: 45 @47369 has 1 MA's), (Start: 80 @47282 has 2 MA's), (109, 47102), (113, 47069), (126, 47012), (156, 46826), (160, 46805), (166, 46766), (173, 46706), (174, 46703), (178, 46685), (189, 46604), (193, 46580), (213, 46463), (227, 46376), (229, 46349), (230, 46337), (231, 46334), (236, 46292), (241, 46244), (245, 46214), (251, 46187), (256, 46163), (282, 46031), (285, 46016), (331, 45833), (342, 45806), (346, 45797), (352, 45779), (362, 45737), (375, 45674), (386, 45623), (396, 45581),

Gene: Heath_46 Start: 47028, Stop: 45316, Start Num: 74
Candidate Starts for Heath_46:
(Start: 74 @47028 has 130 MA's), (110, 46836), (113, 46806), (117, 46785), (126, 46749), (133, 46713), (135, 46704), (156, 46563), (160, 46542), (161, 46521), (173, 46443), (178, 46422), (183, 46389), (185, 46380), (188, 46344), (189, 46341), (193, 46317), (211, 46206), (213, 46200), (215, 46188), (225, 46119), (227, 46113), (229, 46086), (230, 46074), (231, 46071), (236, 46029), (241, 45981), (245, 45951), (256, 45900), (281, 45819), (284, 45804), (285, 45798), (286, 45795), (292, 45762), (293, 45756), (294, 45747), (300, 45720), (306, 45705), (308, 45702), (312, 45693), (317, 45675), (323, 45648), (330, 45627), (359, 45516), (386, 45393), (395, 45354),

Gene: Heathcliff_52 Start: 47119, Stop: 45422, Start Num: 70
Candidate Starts for Heathcliff_52:
(Start: 70 @47119 has 42 MA's), (Start: 108 @46921 has 1 MA's), (113, 46885), (126, 46828), (137, 46771), (145, 46729), (147, 46723), (152, 46666), (157, 46639), (160, 46621), (173, 46516), (187, 46426), (189, 46414), (192, 46393), (199, 46348), (210, 46285), (222, 46201), (226, 46186), (227, 46183), (228, 46180), (229, 46156), (232, 46138), (236, 46099), (241, 46051), (245, 46021), (250, 45997), (257, 45955), (283, 45877), (289, 45850), (298, 45799), (308, 45775), (326, 45727), (339, 45688), (356, 45646), (377, 45541), (386, 45499), (389, 45484),

Gene: Hedgerow_51 Start: 46694, Stop: 44979, Start Num: 76
Candidate Starts for Hedgerow_51:
(9, 47123), (11, 47087), (13, 47015), (15, 47000), (19, 46949), (Start: 76 @46694 has 36 MA's), (Start: 82 @46682 has 2 MA's), (107, 46511), (Start: 108 @46508 has 1 MA's), (113, 46472), (114, 46460), (117, 46451), (126, 46415), (127, 46412), (133, 46379), (145, 46316), (160, 46208), (166, 46169), (178, 46088), (183, 46055), (185, 46046), (189, 46007), (192, 45986), (193, 45983), (199, 45941), (201, 45926), (202, 45911), (209, 45881), (215, 45854), (220, 45806), (226, 45782), (227, 45779), (229, 45752), (230, 45740), (232, 45734), (236, 45695), (241, 45647), (245, 45617), (246, 45611),

(256, 45566), (270, 45491), (273, 45479), (280, 45452), (281, 45449), (284, 45434), (295, 45368), (308, 45335), (332, 45257), (344, 45227), (345, 45224), (352, 45212), (361, 45173), (377, 45095), (386, 45053), (401, 44987),

Gene: Heftyboy_65 Start: 46099, Stop: 47808, Start Num: 79
Candidate Starts for Heftyboy_65:
(Start: 79 @46099 has 26 MA's), (97, 46192), (Start: 108 @46270 has 1 MA's), (109, 46273), (112, 46297), (113, 46306), (122, 46345), (126, 46363), (137, 46420), (142, 46447), (143, 46450), (151, 46513), (160, 46573), (164, 46603), (166, 46612), (176, 46687), (177, 46690), (184, 46732), (185, 46735), (188, 46771), (189, 46774), (197, 46840), (198, 46843), (199, 46846), (201, 46861), (202, 46876), (205, 46891), (213, 46921), (215, 46933), (229, 47035), (230, 47047), (231, 47050), (232, 47053), (234, 47074), (236, 47092), (240, 47137), (241, 47140), (248, 47179), (252, 47200), (284, 47329), (295, 47398), (296, 47401), (306, 47434), (308, 47437), (309, 47440), (325, 47503), (327, 47512), (330, 47518), (334, 47542), (347, 47575), (361, 47638), (366, 47659), (370, 47674), (373, 47701), (374, 47710), (379, 47725),

Gene: Hekos_49 Start: 45606, Stop: 43810, Start Num: 40
Candidate Starts for Hekos_49:
(Start: 40 @45606 has 128 MA's), (Start: 74 @45513 has 130 MA's), (Start: 87 @45489 has 14 MA's), (Start: 92 @45432 has 1 MA's), (Start: 94 @45423 has 2 MA's), (109, 45333), (113, 45300), (126, 45243), (128, 45231), (133, 45207), (136, 45195), (137, 45186), (149, 45126), (160, 45036), (166, 44991), (173, 44931), (183, 44877), (189, 44829), (192, 44808), (215, 44676), (225, 44607), (227, 44601), (229, 44574), (231, 44559), (236, 44517), (241, 44469), (245, 44439), (251, 44412), (285, 44286), (287, 44280), (291, 44253), (301, 44208), (308, 44193), (310, 44187), (326, 44133), (330, 44124), (386, 43896), (394, 43860),

Gene: Held_52 Start: 46666, Stop: 44963, Start Num: 74
Candidate Starts for Held_52:
(Start: 74 @46666 has 130 MA's), (Start: 87 @46642 has 14 MA's), (Start: 92 @46585 has 1 MA's), (Start: 94 @46576 has 2 MA's), (109, 46486), (113, 46453), (126, 46396), (128, 46384), (133, 46360), (136, 46348), (137, 46339), (149, 46279), (160, 46189), (166, 46144), (173, 46084), (183, 46030), (189, 45982), (192, 45961), (215, 45829), (225, 45760), (227, 45754), (229, 45727), (231, 45712), (236, 45670), (241, 45622), (245, 45592), (251, 45565), (285, 45439), (287, 45433), (291, 45406), (300, 45364), (301, 45361), (308, 45346), (310, 45340), (326, 45286), (330, 45277), (386, 45049), (394, 45013),

Gene: HenryJackson_51 Start: 46754, Stop: 44958, Start Num: 40
Candidate Starts for HenryJackson_51:
(Start: 40 @46754 has 128 MA's), (Start: 74 @46661 has 130 MA's), (Start: 87 @46637 has 14 MA's), (Start: 92 @46580 has 1 MA's), (Start: 94 @46571 has 2 MA's), (109, 46481), (113, 46448), (126, 46391), (128, 46379), (133, 46355), (136, 46343), (137, 46334), (149, 46274), (160, 46184), (166, 46139), (173, 46079), (183, 46025), (189, 45977), (192, 45956), (215, 45824), (225, 45755), (227, 45749), (229, 45722), (231, 45707), (236, 45665), (241, 45617), (245, 45587), (251, 45560), (285, 45434), (287, 45428), (291, 45401), (301, 45356), (308, 45341), (310, 45335), (326, 45281), (330, 45272), (386, 45044), (394, 45008),

Gene: Hertubise_52 Start: 46961, Stop: 45258, Start Num: 73
Candidate Starts for Hertubise_52:
(Start: 73 @46961 has 70 MA's), (Start: 87 @46937 has 14 MA's), (Start: 92 @46880 has 1 MA's), (Start: 94 @46871 has 2 MA's), (109, 46781), (113, 46748), (126, 46691), (128, 46679), (133, 46655), (136, 46643), (137, 46634), (149, 46574), (160, 46484), (166, 46439), (173, 46379), (189, 46277), (192, 46256), (215, 46124), (225, 46055), (227, 46049), (229, 46022), (231, 46007), (236, 45965), (241, 45917), (245, 45887), (251, 45860), (285, 45734), (287, 45728), (291, 45701), (300, 45659),

(301, 45656), (308, 45641), (310, 45635), (326, 45581), (330, 45572), (386, 45344), (394, 45308),

Gene: Hetaeria_52 Start: 46978, Stop: 45275, Start Num: 73
Candidate Starts for Hetaeria_52:
(12, 47311), (14, 47284), (Start: 73 @46978 has 70 MA's), (Start: 87 @46954 has 14 MA's), (Start: 92 @46897 has 1 MA's), (Start: 94 @46888 has 2 MA's), (109, 46798), (113, 46765), (126, 46708), (128, 46696), (133, 46672), (136, 46660), (137, 46651), (149, 46591), (160, 46501), (166, 46456), (173, 46396), (189, 46294), (192, 46273), (215, 46141), (225, 46072), (227, 46066), (229, 46039), (231, 46024), (236, 45982), (241, 45934), (245, 45904), (251, 45877), (285, 45751), (287, 45745), (291, 45718), (300, 45676), (301, 45673), (308, 45658), (310, 45652), (326, 45598), (330, 45589), (386, 45361), (394, 45325),

Gene: HighStump_52 Start: 46881, Stop: 45085, Start Num: 40
Candidate Starts for HighStump_52:
(Start: 40 @46881 has 128 MA's), (Start: 74 @46788 has 130 MA's), (Start: 87 @46764 has 14 MA's), (Start: 92 @46707 has 1 MA's), (Start: 94 @46698 has 2 MA's), (109, 46608), (113, 46575), (126, 46518), (128, 46506), (133, 46482), (136, 46470), (137, 46461), (149, 46401), (160, 46311), (166, 46266), (173, 46206), (183, 46152), (189, 46104), (192, 46083), (215, 45951), (225, 45882), (227, 45876), (229, 45849), (231, 45834), (236, 45792), (241, 45744), (245, 45714), (251, 45687), (285, 45561), (287, 45555), (291, 45528), (301, 45483), (308, 45468), (310, 45462), (326, 45408), (330, 45399), (386, 45171), (394, 45135),

Gene: Hocus_51 Start: 46740, Stop: 44944, Start Num: 40
Candidate Starts for Hocus_51:
(Start: 40 @46740 has 128 MA's), (Start: 74 @46647 has 130 MA's), (Start: 87 @46623 has 14 MA's), (Start: 92 @46566 has 1 MA's), (Start: 94 @46557 has 2 MA's), (109, 46467), (113, 46434), (126, 46377), (128, 46365), (133, 46341), (136, 46329), (137, 46320), (149, 46260), (160, 46170), (166, 46125), (173, 46065), (183, 46011), (189, 45963), (192, 45942), (215, 45810), (225, 45741), (227, 45735), (229, 45708), (231, 45693), (236, 45651), (241, 45603), (245, 45573), (251, 45546), (285, 45420), (287, 45414), (291, 45387), (301, 45342), (308, 45327), (310, 45321), (326, 45267), (330, 45258), (386, 45030), (394, 44994),

Gene: HogWash_52 Start: 46959, Stop: 45256, Start Num: 74
Candidate Starts for HogWash_52:
(Start: 74 @46959 has 130 MA's), (Start: 87 @46935 has 14 MA's), (Start: 92 @46878 has 1 MA's), (Start: 94 @46869 has 2 MA's), (109, 46779), (113, 46746), (126, 46689), (128, 46677), (133, 46653), (136, 46641), (137, 46632), (149, 46572), (160, 46482), (166, 46437), (173, 46377), (183, 46323), (189, 46275), (192, 46254), (215, 46122), (225, 46053), (227, 46047), (229, 46020), (231, 46005), (236, 45963), (241, 45915), (245, 45885), (251, 45858), (285, 45732), (287, 45726), (291, 45699), (301, 45654), (308, 45639), (310, 45633), (326, 45579), (330, 45570), (386, 45342), (394, 45306),

Gene: Holeinone_51 Start: 46545, Stop: 44830, Start Num: 76
Candidate Starts for Holeinone_51:
(9, 46974), (11, 46938), (13, 46866), (19, 46800), (Start: 76 @46545 has 36 MA's), (107, 46362), (Start: 108 @46359 has 1 MA's), (113, 46323), (114, 46311), (117, 46302), (126, 46266), (127, 46263), (133, 46230), (145, 46167), (160, 46059), (166, 46020), (178, 45939), (183, 45906), (185, 45897), (189, 45858), (192, 45837), (193, 45834), (199, 45792), (201, 45777), (202, 45762), (209, 45732), (215, 45705), (220, 45657), (226, 45633), (227, 45630), (229, 45603), (230, 45591), (232, 45585), (236, 45546), (241, 45498), (245, 45468), (246, 45462), (256, 45417), (270, 45342), (273, 45330), (280, 45303), (281, 45300), (284, 45285), (295, 45219), (308, 45186), (332, 45108), (344, 45078), (345, 45075), (352, 45063), (361, 45024), (377, 44946), (386, 44904), (401, 44838),

Gene: Horchata_52 Start: 46953, Stop: 45250, Start Num: 73

Candidate Starts for Horchata_52:
(Start: 73 @46953 has 70 MA's), (Start: 87 @46929 has 14 MA's), (Start: 92 @46872 has 1 MA's), (Start: 94 @46863 has 2 MA's), (109, 46773), (113, 46740), (126, 46683), (128, 46671), (133, 46647), (136, 46635), (137, 46626), (149, 46566), (160, 46476), (166, 46431), (173, 46371), (183, 46317), (189, 46269), (192, 46248), (215, 46116), (225, 46047), (227, 46041), (229, 46014), (231, 45999), (236, 45957), (241, 45909), (245, 45879), (251, 45852), (285, 45726), (287, 45720), (291, 45693), (301, 45648), (308, 45633), (310, 45627), (326, 45573), (330, 45564), (386, 45336), (394, 45300),

Gene: Hosp_044 Start: 43731, Stop: 41992, Start Num: 74
Candidate Starts for Hosp_044:
(55, 43812), (Start: 74 @43731 has 130 MA's), (111, 43530), (113, 43518), (132, 43431), (133, 43428), (137, 43407), (149, 43347), (156, 43278), (160, 43257), (161, 43236), (166, 43218), (168, 43206), (171, 43170), (178, 43137), (183, 43104), (185, 43095), (188, 43059), (189, 43056), (192, 43035), (213, 42915), (215, 42903), (224, 42840), (227, 42828), (229, 42801), (230, 42789), (236, 42744), (237, 42741), (241, 42696), (245, 42666), (256, 42615), (263, 42567), (268, 42537), (293, 42423), (295, 42405), (300, 42387), (306, 42375), (308, 42372), (310, 42366), (316, 42348), (317, 42345), (323, 42318), (335, 42273), (340, 42264), (352, 42222), (386, 42066),

Gene: Hydro_47 Start: 47456, Stop: 45744, Start Num: 74
Candidate Starts for Hydro_47:
(Start: 74 @47456 has 130 MA's), (107, 47273), (113, 47234), (117, 47213), (133, 47144), (149, 47063), (156, 46994), (160, 46973), (173, 46874), (178, 46853), (183, 46820), (185, 46811), (188, 46775), (189, 46772), (193, 46748), (211, 46637), (213, 46631), (215, 46619), (225, 46550), (227, 46544), (229, 46517), (230, 46505), (231, 46502), (236, 46460), (241, 46412), (245, 46382), (256, 46331), (270, 46283), (281, 46247), (284, 46232), (285, 46226), (286, 46223), (292, 46190), (293, 46184), (294, 46175), (300, 46148), (306, 46133), (308, 46130), (312, 46121), (317, 46103), (323, 46076), (330, 46055), (359, 45944), (386, 45821), (395, 45782),

Gene: ImtiyazSitla_52 Start: 46729, Stop: 44933, Start Num: 40
Candidate Starts for ImtiyazSitla_52:
(Start: 40 @46729 has 128 MA's), (Start: 74 @46636 has 130 MA's), (Start: 87 @46612 has 14 MA's), (Start: 92 @46555 has 1 MA's), (Start: 94 @46546 has 2 MA's), (109, 46456), (113, 46423), (126, 46366), (128, 46354), (133, 46330), (136, 46318), (137, 46309), (149, 46249), (160, 46159), (166, 46114), (173, 46054), (183, 46000), (189, 45952), (192, 45931), (215, 45799), (225, 45730), (227, 45724), (229, 45697), (231, 45682), (236, 45640), (241, 45592), (245, 45562), (251, 45535), (285, 45409), (287, 45403), (291, 45376), (301, 45331), (308, 45316), (310, 45310), (326, 45256), (330, 45247), (386, 45019), (394, 44983),

Gene: Imvubu_47 Start: 45228, Stop: 43504, Start Num: 74
Candidate Starts for Imvubu_47:
(69, 45246), (Start: 74 @45228 has 130 MA's), (96, 45126), (107, 45048), (Start: 108 @45045 has 1 MA's), (113, 45009), (121, 44976), (126, 44955), (133, 44919), (156, 44769), (160, 44748), (173, 44649), (178, 44628), (180, 44622), (183, 44595), (189, 44547), (193, 44523), (201, 44466), (211, 44412), (213, 44406), (215, 44394), (227, 44319), (229, 44292), (230, 44280), (231, 44277), (236, 44235), (237, 44232), (241, 44187), (245, 44157), (256, 44106), (266, 44064), (273, 44046), (280, 44019), (281, 44016), (285, 43995), (295, 43935), (300, 43917), (308, 43899), (352, 43737), (359, 43704), (362, 43695), (386, 43581),

Gene: Inchworm_53 Start: 47167, Stop: 45371, Start Num: 40
Candidate Starts for Inchworm_53:
(Start: 40 @47167 has 128 MA's), (Start: 74 @47074 has 130 MA's), (Start: 87 @47050 has 14 MA's), (Start: 92 @46993 has 1 MA's), (Start: 94 @46984 has 2 MA's), (109, 46894), (113, 46861), (126, 46804), (128, 46792), (133, 46768), (136, 46756), (137, 46747), (149, 46687), (160, 46597), (166,

46552), (173, 46492), (183, 46438), (189, 46390), (192, 46369), (215, 46237), (225, 46168), (227, 46162), (229, 46135), (231, 46120), (236, 46078), (241, 46030), (245, 46000), (251, 45973), (285, 45847), (287, 45841), (291, 45814), (301, 45769), (308, 45754), (310, 45748), (326, 45694), (330, 45685), (386, 45457), (394, 45421),

Gene: Indlovu_51 Start: 47709, Stop: 46000, Start Num: 74
Candidate Starts for Indlovu_51:
(Start: 74 @47709 has 130 MA's), (97, 47604), (Start: 108 @47526 has 1 MA's), (113, 47490), (122, 47451), (126, 47433), (133, 47397), (136, 47385), (156, 47247), (160, 47226), (161, 47205), (169, 47157), (183, 47073), (188, 47028), (189, 47025), (192, 47004), (193, 47001), (213, 46884), (224, 46809), (227, 46797), (229, 46770), (230, 46758), (231, 46755), (236, 46713), (241, 46665), (245, 46635), (252, 46599), (282, 46509), (284, 46500), (285, 46494), (286, 46491), (295, 46434), (300, 46416), (308, 46398), (321, 46341), (362, 46191), (386, 46077), (398, 46026),

Gene: Inverness_52 Start: 46962, Stop: 45259, Start Num: 73
Candidate Starts for Inverness_52:
(Start: 73 @46962 has 70 MA's), (Start: 87 @46938 has 14 MA's), (Start: 92 @46881 has 1 MA's), (Start: 94 @46872 has 2 MA's), (109, 46782), (113, 46749), (126, 46692), (128, 46680), (133, 46656), (136, 46644), (137, 46635), (149, 46575), (160, 46485), (166, 46440), (173, 46380), (183, 46326), (189, 46278), (192, 46257), (215, 46125), (225, 46056), (227, 46050), (229, 46023), (231, 46008), (236, 45966), (241, 45918), (245, 45888), (251, 45861), (285, 45735), (287, 45729), (291, 45702), (300, 45660), (301, 45657), (308, 45642), (310, 45636), (326, 45582), (330, 45573), (386, 45345), (394, 45309),

Gene: InvictusManeo_62 Start: 44067, Stop: 45779, Start Num: 79
Candidate Starts for InvictusManeo_62:
(Start: 79 @44067 has 26 MA's), (97, 44160), (101, 44202), (Start: 108 @44238 has 1 MA's), (109, 44241), (112, 44265), (113, 44274), (122, 44313), (126, 44331), (137, 44388), (142, 44415), (143, 44418), (151, 44481), (160, 44541), (164, 44571), (166, 44580), (176, 44655), (177, 44658), (185, 44703), (187, 44730), (188, 44739), (189, 44742), (197, 44808), (198, 44811), (199, 44814), (201, 44829), (202, 44844), (213, 44889), (215, 44901), (228, 44979), (229, 45003), (230, 45015), (231, 45018), (232, 45021), (234, 45042), (236, 45060), (241, 45108), (248, 45147), (252, 45168), (273, 45252), (284, 45294), (289, 45318), (295, 45363), (296, 45366), (306, 45399), (315, 45423), (327, 45477), (330, 45483), (334, 45507), (366, 45624), (373, 45666), (379, 45690),

Gene: Iridessa_52 Start: 46739, Stop: 44943, Start Num: 40
Candidate Starts for Iridessa_52:
(Start: 40 @46739 has 128 MA's), (Start: 74 @46646 has 130 MA's), (Start: 87 @46622 has 14 MA's), (Start: 92 @46565 has 1 MA's), (Start: 94 @46556 has 2 MA's), (109, 46466), (113, 46433), (126, 46376), (128, 46364), (133, 46340), (136, 46328), (137, 46319), (149, 46259), (160, 46169), (166, 46124), (173, 46064), (183, 46010), (189, 45962), (192, 45941), (215, 45809), (225, 45740), (227, 45734), (229, 45707), (231, 45692), (236, 45650), (241, 45602), (245, 45572), (251, 45545), (285, 45419), (287, 45413), (291, 45386), (301, 45341), (308, 45326), (310, 45320), (326, 45266), (330, 45257), (386, 45029), (394, 44993),

Gene: Iridoclysis_52 Start: 47026, Stop: 45230, Start Num: 40
Candidate Starts for Iridoclysis_52:
(Start: 40 @47026 has 128 MA's), (Start: 74 @46933 has 130 MA's), (Start: 87 @46909 has 14 MA's), (Start: 92 @46852 has 1 MA's), (Start: 94 @46843 has 2 MA's), (109, 46753), (113, 46720), (126, 46663), (128, 46651), (133, 46627), (136, 46615), (137, 46606), (149, 46546), (160, 46456), (166, 46411), (173, 46351), (183, 46297), (189, 46249), (192, 46228), (215, 46096), (225, 46027), (227, 46021), (229, 45994), (231, 45979), (236, 45937), (241, 45889), (245, 45859), (251, 45832), (285, 45706), (287, 45700), (291, 45673), (301, 45628), (308, 45613), (310, 45607), (326, 45553), (330,

45544), (386, 45316), (394, 45280),

Gene: IsaacEli_53 Start: 47185, Stop: 45389, Start Num: 40
Candidate Starts for IsaacEli_53:
(Start: 40 @47185 has 128 MA's), (Start: 74 @47092 has 130 MA's), (Start: 87 @47068 has 14 MA's), (Start: 92 @47011 has 1 MA's), (Start: 94 @47002 has 2 MA's), (109, 46912), (113, 46879), (126, 46822), (128, 46810), (133, 46786), (136, 46774), (137, 46765), (149, 46705), (160, 46615), (166, 46570), (173, 46510), (189, 46408), (192, 46387), (215, 46255), (225, 46186), (227, 46180), (229, 46153), (231, 46138), (236, 46096), (241, 46048), (245, 46018), (251, 45991), (285, 45865), (287, 45859), (291, 45832), (301, 45787), (308, 45772), (310, 45766), (326, 45712), (330, 45703), (386, 45475), (394, 45439),

Gene: ItsyBitsy1_51 Start: 46562, Stop: 44847, Start Num: 76
Candidate Starts for ItsyBitsy1_51:
(Start: 76 @46562 has 36 MA's), (107, 46379), (Start: 108 @46376 has 1 MA's), (113, 46340), (114, 46328), (117, 46319), (126, 46283), (127, 46280), (133, 46247), (137, 46226), (145, 46184), (160, 46076), (166, 46037), (178, 45956), (183, 45923), (185, 45914), (189, 45875), (192, 45854), (193, 45851), (199, 45809), (201, 45794), (202, 45779), (209, 45749), (215, 45722), (220, 45674), (226, 45650), (227, 45647), (229, 45620), (230, 45608), (232, 45602), (236, 45563), (241, 45515), (245, 45485), (246, 45479), (256, 45434), (270, 45359), (273, 45347), (280, 45320), (281, 45317), (284, 45302), (295, 45236), (308, 45203), (332, 45125), (344, 45095), (345, 45092), (352, 45080), (361, 45041), (386, 44921), (401, 44855),

Gene: JAMaL_47 Start: 47593, Stop: 45878, Start Num: 74
Candidate Starts for JAMaL_47:
(Start: 74 @47593 has 130 MA's), (110, 47401), (113, 47371), (117, 47350), (126, 47314), (133, 47278), (135, 47269), (137, 47257), (156, 47128), (160, 47107), (161, 47086), (173, 47008), (178, 46987), (183, 46954), (185, 46945), (188, 46909), (189, 46906), (193, 46882), (213, 46765), (215, 46753), (219, 46729), (225, 46684), (227, 46678), (229, 46651), (230, 46639), (231, 46636), (236, 46594), (241, 46546), (245, 46516), (256, 46465), (270, 46417), (281, 46381), (285, 46360), (286, 46357), (293, 46318), (300, 46282), (306, 46267), (308, 46264), (312, 46255), (317, 46237), (323, 46210), (330, 46189), (359, 46078), (369, 46045), (386, 45955), (395, 45916),

Gene: JDog_51 Start: 46760, Stop: 44964, Start Num: 40
Candidate Starts for JDog_51:
(Start: 40 @46760 has 128 MA's), (Start: 74 @46667 has 130 MA's), (Start: 87 @46643 has 14 MA's), (Start: 92 @46586 has 1 MA's), (Start: 94 @46577 has 2 MA's), (109, 46487), (113, 46454), (126, 46397), (128, 46385), (133, 46361), (136, 46349), (137, 46340), (149, 46280), (160, 46190), (166, 46145), (173, 46085), (183, 46031), (189, 45983), (192, 45962), (215, 45830), (225, 45761), (227, 45755), (229, 45728), (231, 45713), (236, 45671), (241, 45623), (245, 45593), (251, 45566), (285, 45440), (287, 45434), (291, 45407), (301, 45362), (308, 45347), (310, 45341), (326, 45287), (330, 45278), (386, 45050), (394, 45014),

Gene: JacAttac_53 Start: 47167, Stop: 45371, Start Num: 40
Candidate Starts for JacAttac_53:
(Start: 40 @47167 has 128 MA's), (Start: 74 @47074 has 130 MA's), (Start: 87 @47050 has 14 MA's), (Start: 92 @46993 has 1 MA's), (Start: 94 @46984 has 2 MA's), (109, 46894), (113, 46861), (126, 46804), (128, 46792), (133, 46768), (136, 46756), (137, 46747), (149, 46687), (160, 46597), (166, 46552), (173, 46492), (183, 46438), (189, 46390), (192, 46369), (215, 46237), (225, 46168), (227, 46162), (229, 46135), (231, 46120), (236, 46078), (241, 46030), (245, 46000), (251, 45973), (285, 45847), (287, 45841), (291, 45814), (300, 45772), (301, 45769), (308, 45754), (310, 45748), (326, 45694), (330, 45685), (386, 45457), (394, 45421),

Gene: Jackstina_48 Start: 47078, Stop: 45381, Start Num: 70
Candidate Starts for Jackstina_48:
(Start: 70 @47078 has 42 MA's), (Start: 108 @46880 has 1 MA's), (113, 46844), (126, 46787), (137, 46730), (145, 46688), (147, 46682), (152, 46625), (157, 46598), (160, 46580), (173, 46475), (187, 46385), (189, 46373), (192, 46352), (199, 46307), (210, 46244), (222, 46160), (226, 46145), (227, 46142), (228, 46139), (229, 46115), (232, 46097), (236, 46058), (241, 46010), (245, 45980), (250, 45956), (257, 45914), (283, 45836), (289, 45809), (298, 45758), (308, 45734), (326, 45686), (339, 45647), (356, 45605), (377, 45500), (386, 45458), (389, 45443),

Gene: JaguarMi_49 Start: 48522, Stop: 46810, Start Num: 74
Candidate Starts for JaguarMi_49:
(Start: 74 @48522 has 130 MA's), (107, 48339), (113, 48300), (117, 48279), (133, 48210), (156, 48060), (160, 48039), (173, 47940), (178, 47919), (183, 47886), (185, 47877), (189, 47838), (192, 47817), (193, 47814), (196, 47799), (211, 47703), (213, 47697), (215, 47685), (225, 47616), (227, 47610), (229, 47583), (230, 47571), (231, 47568), (236, 47526), (241, 47478), (245, 47448), (256, 47397), (281, 47313), (284, 47298), (285, 47292), (292, 47256), (293, 47250), (300, 47214), (306, 47199), (308, 47196), (312, 47187), (317, 47169), (323, 47142), (330, 47121), (359, 47010), (369, 46977), (386, 46887), (395, 46848),

Gene: JakeO_51 Start: 46666, Stop: 44963, Start Num: 74
Candidate Starts for JakeO_51:
(Start: 40 @46759 has 128 MA's), (Start: 74 @46666 has 130 MA's), (Start: 87 @46642 has 14 MA's), (Start: 92 @46585 has 1 MA's), (Start: 94 @46576 has 2 MA's), (109, 46486), (113, 46453), (126, 46396), (128, 46384), (133, 46360), (136, 46348), (137, 46339), (149, 46279), (160, 46189), (166, 46144), (173, 46084), (183, 46030), (189, 45982), (192, 45961), (215, 45829), (225, 45760), (227, 45754), (229, 45727), (231, 45712), (236, 45670), (241, 45622), (245, 45592), (251, 45565), (285, 45439), (287, 45433), (291, 45406), (301, 45361), (308, 45346), (310, 45340), (326, 45286), (330, 45277), (386, 45049), (394, 45013),

Gene: JangoPhett_52 Start: 47037, Stop: 45241, Start Num: 40
Candidate Starts for JangoPhett_52:
(Start: 40 @47037 has 128 MA's), (Start: 74 @46944 has 130 MA's), (Start: 87 @46920 has 14 MA's), (Start: 92 @46863 has 1 MA's), (Start: 94 @46854 has 2 MA's), (109, 46764), (113, 46731), (126, 46674), (128, 46662), (133, 46638), (136, 46626), (137, 46617), (149, 46557), (160, 46467), (166, 46422), (173, 46362), (183, 46308), (189, 46260), (192, 46239), (215, 46107), (225, 46038), (227, 46032), (229, 46005), (231, 45990), (236, 45948), (241, 45900), (245, 45870), (251, 45843), (285, 45717), (287, 45711), (291, 45684), (301, 45639), (308, 45624), (310, 45618), (326, 45564), (330, 45555), (386, 45327), (394, 45291),

Gene: Jbug01_52 Start: 46254, Stop: 44458, Start Num: 40
Candidate Starts for Jbug01_52:
(Start: 40 @46254 has 128 MA's), (Start: 74 @46161 has 130 MA's), (Start: 87 @46137 has 14 MA's), (Start: 92 @46080 has 1 MA's), (Start: 94 @46071 has 2 MA's), (109, 45981), (113, 45948), (126, 45891), (128, 45879), (133, 45855), (136, 45843), (137, 45834), (149, 45774), (160, 45684), (166, 45639), (173, 45579), (183, 45525), (189, 45477), (192, 45456), (215, 45324), (225, 45255), (227, 45249), (229, 45222), (231, 45207), (236, 45165), (241, 45117), (245, 45087), (251, 45060), (285, 44934), (287, 44928), (291, 44901), (301, 44856), (308, 44841), (310, 44835), (326, 44781), (330, 44772), (386, 44544), (394, 44508),

Gene: JellyBelly_45 Start: 39483, Stop: 37816, Start Num: 72
Candidate Starts for JellyBelly_45:
(Start: 71 @39486 has 1 MA's), (Start: 72 @39483 has 21 MA's), (91, 39420), (97, 39378), (109, 39297), (110, 39294), (113, 39264), (114, 39252), (126, 39207), (145, 39108), (156, 39018), (160,

38997), (173, 38898), (178, 38877), (183, 38844), (189, 38796), (193, 38772), (197, 38736), (202, 38700), (224, 38580), (226, 38571), (229, 38541), (231, 38526), (236, 38484), (241, 38436), (245, 38406), (255, 38358), (277, 38289), (280, 38280), (285, 38256), (308, 38163), (326, 38124), (348, 38058), (352, 38052), (365, 38001), (371, 37974), (380, 37929), (386, 37893), (401, 37827),

Gene: Jesabah_52 Start: 46765, Stop: 44969, Start Num: 40
Candidate Starts for Jesabah_52:
(Start: 40 @46765 has 128 MA's), (Start: 74 @46672 has 130 MA's), (Start: 87 @46648 has 14 MA's), (Start: 92 @46591 has 1 MA's), (Start: 94 @46582 has 2 MA's), (109, 46492), (113, 46459), (126, 46402), (128, 46390), (133, 46366), (136, 46354), (137, 46345), (149, 46285), (160, 46195), (166, 46150), (173, 46090), (183, 46036), (189, 45988), (192, 45967), (215, 45835), (225, 45766), (227, 45760), (229, 45733), (231, 45718), (236, 45676), (241, 45628), (245, 45598), (251, 45571), (285, 45445), (287, 45439), (291, 45412), (301, 45367), (308, 45352), (310, 45346), (326, 45292), (330, 45283), (386, 45055), (394, 45019),

Gene: Jillium_51 Start: 46663, Stop: 44960, Start Num: 74
Candidate Starts for Jillium_51:
(Start: 40 @46756 has 128 MA's), (Start: 74 @46663 has 130 MA's), (Start: 87 @46639 has 14 MA's), (Start: 92 @46582 has 1 MA's), (Start: 94 @46573 has 2 MA's), (109, 46483), (113, 46450), (126, 46393), (128, 46381), (133, 46357), (136, 46345), (137, 46336), (149, 46276), (160, 46186), (166, 46141), (173, 46081), (189, 45979), (192, 45958), (215, 45826), (225, 45757), (227, 45751), (229, 45724), (231, 45709), (236, 45667), (241, 45619), (245, 45589), (251, 45562), (285, 45436), (287, 45430), (291, 45403), (300, 45361), (301, 45358), (308, 45343), (310, 45337), (326, 45283), (330, 45274), (386, 45046), (394, 45010),

Gene: Jiminy_51 Start: 46501, Stop: 44798, Start Num: 74
Candidate Starts for Jiminy_51:
(Start: 40 @46594 has 128 MA's), (Start: 74 @46501 has 130 MA's), (Start: 87 @46477 has 14 MA's), (Start: 92 @46420 has 1 MA's), (Start: 94 @46411 has 2 MA's), (109, 46321), (113, 46288), (126, 46231), (128, 46219), (133, 46195), (136, 46183), (137, 46174), (149, 46114), (160, 46024), (166, 45979), (173, 45919), (183, 45865), (189, 45817), (192, 45796), (215, 45664), (225, 45595), (227, 45589), (229, 45562), (231, 45547), (236, 45505), (241, 45457), (245, 45427), (251, 45400), (285, 45274), (287, 45268), (291, 45241), (301, 45196), (308, 45181), (310, 45175), (326, 45121), (330, 45112), (386, 44884), (394, 44848),

Gene: Jiraiya_51 Start: 46654, Stop: 44951, Start Num: 74
Candidate Starts for Jiraiya_51:
(Start: 40 @46747 has 128 MA's), (Start: 74 @46654 has 130 MA's), (Start: 87 @46630 has 14 MA's), (Start: 92 @46573 has 1 MA's), (Start: 94 @46564 has 2 MA's), (109, 46474), (113, 46441), (126, 46384), (128, 46372), (133, 46348), (136, 46336), (137, 46327), (149, 46267), (160, 46177), (166, 46132), (173, 46072), (183, 46018), (189, 45970), (192, 45949), (215, 45817), (225, 45748), (227, 45742), (229, 45715), (231, 45700), (236, 45658), (241, 45610), (245, 45580), (251, 45553), (285, 45427), (287, 45421), (291, 45394), (301, 45349), (308, 45334), (310, 45328), (326, 45274), (330, 45265), (386, 45037), (394, 45001),

Gene: Jolie1_046 Start: 45511, Stop: 43766, Start Num: 74
Candidate Starts for Jolie1_046:
(50, 45613), (Start: 74 @45511 has 130 MA's), (113, 45292), (132, 45205), (133, 45202), (137, 45181), (156, 45052), (160, 45031), (161, 45010), (166, 44992), (168, 44980), (171, 44944), (178, 44911), (183, 44878), (185, 44869), (188, 44833), (189, 44830), (192, 44809), (213, 44689), (215, 44677), (219, 44653), (224, 44614), (227, 44602), (229, 44575), (230, 44563), (236, 44518), (237, 44515), (241, 44470), (245, 44440), (256, 44389), (263, 44341), (281, 44260), (286, 44236), (293, 44197), (295, 44179), (300, 44161), (306, 44149), (316, 44122), (317, 44119), (323, 44092), (335, 44047),

(340, 44038), (352, 43996), (386, 43840),

Gene: JoyceMaria_47 Start: 47406, Stop: 45697, Start Num: 74
Candidate Starts for JoyceMaria_47:
(Start: 74 @47406 has 130 MA's), (107, 47223), (113, 47184), (117, 47163), (133, 47094), (149, 47013), (156, 46944), (160, 46923), (173, 46824), (178, 46803), (183, 46770), (185, 46761), (188, 46725), (189, 46722), (193, 46698), (211, 46587), (213, 46581), (215, 46569), (225, 46500), (227, 46494), (229, 46467), (230, 46455), (231, 46452), (236, 46410), (241, 46362), (245, 46332), (256, 46281), (281, 46200), (284, 46185), (285, 46179), (286, 46176), (292, 46143), (293, 46137), (294, 46128), (300, 46101), (306, 46086), (308, 46083), (312, 46074), (317, 46056), (323, 46029), (330, 46008), (359, 45897), (386, 45774), (395, 45735),

Gene: KLucky39_52 Start: 46960, Stop: 45257, Start Num: 73
Candidate Starts for KLucky39_52:
(12, 47293), (14, 47266), (Start: 73 @46960 has 70 MA's), (Start: 87 @46936 has 14 MA's), (Start: 92 @46879 has 1 MA's), (Start: 94 @46870 has 2 MA's), (109, 46780), (113, 46747), (126, 46690), (128, 46678), (133, 46654), (136, 46642), (137, 46633), (149, 46573), (160, 46483), (166, 46438), (189, 46276), (192, 46255), (215, 46123), (225, 46054), (227, 46048), (229, 46021), (231, 46006), (236, 45964), (241, 45916), (245, 45886), (251, 45859), (285, 45733), (287, 45727), (291, 45700), (301, 45655), (308, 45640), (310, 45634), (326, 45580), (330, 45571), (386, 45343), (394, 45307),

Gene: Kahve_51 Start: 46751, Stop: 44955, Start Num: 40
Candidate Starts for Kahve_51:
(Start: 40 @46751 has 128 MA's), (Start: 74 @46658 has 130 MA's), (Start: 87 @46634 has 14 MA's), (Start: 92 @46577 has 1 MA's), (Start: 94 @46568 has 2 MA's), (109, 46478), (113, 46445), (126, 46388), (128, 46376), (133, 46352), (136, 46340), (137, 46331), (149, 46271), (160, 46181), (166, 46136), (173, 46076), (183, 46022), (189, 45974), (192, 45953), (215, 45821), (225, 45752), (227, 45746), (229, 45719), (231, 45704), (236, 45662), (241, 45614), (245, 45584), (251, 45557), (285, 45431), (287, 45425), (291, 45398), (301, 45353), (308, 45338), (310, 45332), (326, 45278), (330, 45269), (386, 45041), (394, 45005),

Gene: Kailash_52 Start: 47113, Stop: 45317, Start Num: 40
Candidate Starts for Kailash_52:
(Start: 40 @47113 has 128 MA's), (Start: 74 @47020 has 130 MA's), (Start: 87 @46996 has 14 MA's), (Start: 92 @46939 has 1 MA's), (Start: 94 @46930 has 2 MA's), (109, 46840), (113, 46807), (126, 46750), (128, 46738), (133, 46714), (136, 46702), (137, 46693), (149, 46633), (160, 46543), (166, 46498), (173, 46438), (183, 46384), (189, 46336), (192, 46315), (215, 46183), (225, 46114), (227, 46108), (229, 46081), (231, 46066), (236, 46024), (241, 45976), (245, 45946), (251, 45919), (285, 45793), (287, 45787), (291, 45760), (301, 45715), (308, 45700), (310, 45694), (326, 45640), (330, 45631), (386, 45403), (394, 45367),

Gene: Kaleb_51 Start: 46709, Stop: 44994, Start Num: 76
Candidate Starts for Kaleb_51:
(9, 47138), (11, 47102), (13, 47030), (15, 47015), (19, 46964), (Start: 76 @46709 has 36 MA's), (Start: 82 @46697 has 2 MA's), (107, 46526), (Start: 108 @46523 has 1 MA's), (113, 46487), (114, 46475), (117, 46466), (126, 46430), (127, 46427), (133, 46394), (145, 46331), (160, 46223), (166, 46184), (178, 46103), (183, 46070), (185, 46061), (189, 46022), (192, 46001), (193, 45998), (199, 45956), (201, 45941), (202, 45926), (209, 45896), (215, 45869), (220, 45821), (226, 45797), (227, 45794), (229, 45767), (230, 45755), (232, 45749), (236, 45710), (241, 45662), (245, 45632), (246, 45626), (256, 45581), (270, 45506), (273, 45494), (280, 45467), (281, 45464), (284, 45449), (295, 45383), (308, 45350), (332, 45272), (344, 45242), (345, 45239), (352, 45227), (361, 45188), (377, 45110), (378, 45107), (386, 45068), (401, 45002),

Gene: Kamiyu_52 Start: 47228, Stop: 45429, Start Num: 44
Candidate Starts for Kamiyu_52:
(16, 47414), (18, 47393), (25, 47318), (Start: 44 @47228 has 7 MA's), (53, 47204), (Start: 56 @47198 has 3 MA's), (58, 47195), (Start: 70 @47126 has 42 MA's), (Start: 108 @46928 has 1 MA's), (113, 46892), (126, 46835), (137, 46778), (145, 46736), (147, 46730), (152, 46673), (157, 46646), (160, 46628), (173, 46523), (187, 46433), (189, 46421), (192, 46400), (199, 46355), (210, 46292), (222, 46208), (226, 46193), (227, 46190), (228, 46187), (229, 46163), (232, 46145), (236, 46106), (241, 46058), (245, 46028), (250, 46004), (257, 45962), (283, 45884), (289, 45857), (298, 45806), (308, 45782), (339, 45695), (356, 45653), (377, 45548), (381, 45533), (386, 45506), (389, 45491),

Gene: KarasumaRum_52 Start: 47981, Stop: 46287, Start Num: 74
Candidate Starts for KarasumaRum_52:
(Start: 74 @47981 has 130 MA's), (Start: 87 @47954 has 14 MA's), (96, 47882), (113, 47765), (133, 47675), (136, 47663), (145, 47612), (149, 47594), (156, 47525), (160, 47504), (172, 47408), (178, 47384), (183, 47351), (189, 47303), (192, 47282), (213, 47162), (219, 47126), (224, 47087), (225, 47081), (227, 47075), (229, 47048), (230, 47036), (231, 47033), (236, 46991), (241, 46943), (245, 46913), (276, 46790), (285, 46757), (286, 46754), (292, 46721), (293, 46715), (295, 46697), (300, 46679), (308, 46661), (368, 46460), (386, 46364),

Gene: Karn_51 Start: 46754, Stop: 44958, Start Num: 40
Candidate Starts for Karn_51:
(Start: 40 @46754 has 128 MA's), (Start: 74 @46661 has 130 MA's), (Start: 87 @46637 has 14 MA's), (Start: 92 @46580 has 1 MA's), (Start: 94 @46571 has 2 MA's), (109, 46481), (113, 46448), (126, 46391), (128, 46379), (133, 46355), (136, 46343), (137, 46334), (149, 46274), (160, 46184), (166, 46139), (173, 46079), (183, 46025), (189, 45977), (192, 45956), (215, 45824), (225, 45755), (227, 45749), (229, 45722), (231, 45707), (236, 45665), (241, 45617), (245, 45587), (251, 45560), (285, 45434), (287, 45428), (291, 45401), (301, 45356), (308, 45341), (310, 45335), (326, 45281), (330, 45272), (386, 45044), (394, 45008),

Gene: Katniss_53 Start: 47077, Stop: 45398, Start Num: 87
Candidate Starts for Katniss_53:
(Start: 40 @47194 has 128 MA's), (Start: 74 @47101 has 130 MA's), (Start: 87 @47077 has 14 MA's), (Start: 92 @47020 has 1 MA's), (Start: 94 @47011 has 2 MA's), (109, 46921), (113, 46888), (126, 46831), (128, 46819), (133, 46795), (136, 46783), (137, 46774), (149, 46714), (160, 46624), (166, 46579), (173, 46519), (189, 46417), (192, 46396), (215, 46264), (225, 46195), (227, 46189), (229, 46162), (231, 46147), (236, 46105), (241, 46057), (245, 46027), (251, 46000), (285, 45874), (287, 45868), (291, 45841), (300, 45799), (301, 45796), (308, 45781), (310, 45775), (326, 45721), (330, 45712), (386, 45484), (394, 45448),

Gene: KayaCho_45 Start: 45298, Stop: 43550, Start Num: 74
Candidate Starts for KayaCho_45:
(Start: 74 @45298 has 130 MA's), (96, 45196), (100, 45163), (113, 45079), (133, 44986), (137, 44965), (156, 44836), (160, 44815), (161, 44794), (171, 44728), (178, 44695), (185, 44653), (188, 44617), (189, 44614), (192, 44593), (201, 44533), (213, 44473), (215, 44461), (219, 44437), (224, 44398), (227, 44386), (229, 44359), (230, 44347), (236, 44302), (237, 44299), (241, 44254), (245, 44224), (256, 44173), (263, 44125), (286, 44020), (293, 43981), (295, 43963), (300, 43945), (306, 43933), (308, 43930), (317, 43903), (323, 43876), (335, 43831), (340, 43822), (362, 43738), (386, 43624),

Gene: Keitherie_52 Start: 47001, Stop: 45298, Start Num: 74
Candidate Starts for Keitherie_52:
(Start: 40 @47094 has 128 MA's), (Start: 74 @47001 has 130 MA's), (Start: 87 @46977 has 14 MA's), (Start: 92 @46920 has 1 MA's), (Start: 94 @46911 has 2 MA's), (109, 46821), (113, 46788), (126, 46731), (128, 46719), (133, 46695), (136, 46683), (137, 46674), (149, 46614), (160, 46524), (166,

46479), (173, 46419), (183, 46365), (189, 46317), (192, 46296), (215, 46164), (225, 46095), (227, 46089), (229, 46062), (231, 46047), (236, 46005), (241, 45957), (245, 45927), (251, 45900), (285, 45774), (287, 45768), (291, 45741), (301, 45696), (308, 45681), (310, 45675), (326, 45621), (330, 45612), (386, 45384), (394, 45348),

Gene: Khan1_51 Start: 46679, Stop: 44976, Start Num: 74
Candidate Starts for Khan1_51:
(Start: 74 @46679 has 130 MA's), (Start: 87 @46655 has 14 MA's), (Start: 92 @46598 has 1 MA's), (Start: 94 @46589 has 2 MA's), (109, 46499), (113, 46466), (126, 46409), (128, 46397), (133, 46373), (136, 46361), (137, 46352), (149, 46292), (160, 46202), (166, 46157), (173, 46097), (183, 46043), (189, 45995), (192, 45974), (215, 45842), (225, 45773), (227, 45767), (229, 45740), (231, 45725), (236, 45683), (241, 45635), (245, 45605), (251, 45578), (285, 45452), (287, 45446), (291, 45419), (300, 45377), (301, 45374), (308, 45359), (310, 45353), (326, 45299), (330, 45290), (386, 45062), (394, 45026),

Gene: Kheth_51 Start: 46598, Stop: 44883, Start Num: 76
Candidate Starts for Kheth_51:
(9, 47027), (11, 46991), (13, 46919), (19, 46853), (Start: 76 @46598 has 36 MA's), (Start: 82 @46586 has 2 MA's), (107, 46415), (Start: 108 @46412 has 1 MA's), (113, 46376), (114, 46364), (117, 46355), (126, 46319), (127, 46316), (133, 46283), (145, 46220), (160, 46112), (166, 46073), (178, 45992), (183, 45959), (185, 45950), (189, 45911), (192, 45890), (193, 45887), (199, 45845), (201, 45830), (202, 45815), (209, 45785), (215, 45758), (220, 45710), (226, 45686), (227, 45683), (229, 45656), (230, 45644), (232, 45638), (236, 45599), (241, 45551), (245, 45521), (246, 45515), (256, 45470), (270, 45395), (273, 45383), (280, 45356), (281, 45353), (284, 45338), (295, 45272), (308, 45239), (332, 45161), (344, 45131), (345, 45128), (352, 45116), (361, 45077), (377, 44999), (386, 44957), (401, 44891),

Gene: Kikipoo_53 Start: 47185, Stop: 45389, Start Num: 40
Candidate Starts for Kikipoo_53:
(Start: 40 @47185 has 128 MA's), (Start: 74 @47092 has 130 MA's), (Start: 87 @47068 has 14 MA's), (Start: 92 @47011 has 1 MA's), (Start: 94 @47002 has 2 MA's), (109, 46912), (113, 46879), (126, 46822), (128, 46810), (133, 46786), (136, 46774), (137, 46765), (149, 46705), (160, 46615), (166, 46570), (173, 46510), (189, 46408), (192, 46387), (215, 46255), (225, 46186), (227, 46180), (229, 46153), (231, 46138), (236, 46096), (241, 46048), (245, 46018), (251, 45991), (285, 45865), (287, 45859), (291, 45832), (301, 45787), (308, 45772), (310, 45766), (326, 45712), (330, 45703), (386, 45475), (394, 45439),

Gene: Kimbrough_52 Start: 46665, Stop: 44962, Start Num: 74
Candidate Starts for Kimbrough_52:
(23, 46848), (24, 46842), (Start: 74 @46665 has 130 MA's), (Start: 87 @46641 has 14 MA's), (Start: 92 @46584 has 1 MA's), (Start: 94 @46575 has 2 MA's), (109, 46485), (113, 46452), (126, 46395), (128, 46383), (133, 46359), (136, 46347), (137, 46338), (149, 46278), (160, 46188), (166, 46143), (173, 46083), (183, 46029), (189, 45981), (192, 45960), (215, 45828), (225, 45759), (227, 45753), (229, 45726), (231, 45711), (236, 45669), (241, 45621), (245, 45591), (251, 45564), (285, 45438), (287, 45432), (291, 45405), (301, 45360), (308, 45345), (310, 45339), (326, 45285), (330, 45276), (386, 45048), (394, 45012),

Gene: KingTut_43 Start: 42421, Stop: 40625, Start Num: 40
Candidate Starts for KingTut_43:
(Start: 40 @42421 has 128 MA's), (Start: 74 @42328 has 130 MA's), (Start: 87 @42304 has 14 MA's), (Start: 92 @42247 has 1 MA's), (Start: 94 @42238 has 2 MA's), (109, 42148), (113, 42115), (126, 42058), (128, 42046), (133, 42022), (136, 42010), (137, 42001), (149, 41941), (160, 41851), (166, 41806), (173, 41746), (183, 41692), (189, 41644), (192, 41623), (215, 41491), (225, 41422), (227,

41416), (229, 41389), (231, 41374), (236, 41332), (241, 41284), (245, 41254), (251, 41227), (285, 41101), (287, 41095), (291, 41068), (301, 41023), (308, 41008), (310, 41002), (326, 40948), (330, 40939), (386, 40711), (394, 40675),

Gene: KingVeVeVe_52 Start: 46936, Stop: 45233, Start Num: 73
Candidate Starts for KingVeVeVe_52:
(Start: 73 @46936 has 70 MA's), (Start: 87 @46912 has 14 MA's), (Start: 92 @46855 has 1 MA's), (Start: 94 @46846 has 2 MA's), (109, 46756), (113, 46723), (126, 46666), (128, 46654), (133, 46630), (136, 46618), (137, 46609), (149, 46549), (160, 46459), (166, 46414), (173, 46354), (189, 46252), (192, 46231), (215, 46099), (225, 46030), (227, 46024), (229, 45997), (231, 45982), (236, 45940), (241, 45892), (245, 45862), (251, 45835), (285, 45709), (287, 45703), (291, 45676), (301, 45631), (308, 45616), (310, 45610), (326, 45556), (330, 45547), (386, 45319), (394, 45283),

Gene: Kiwot_52 Start: 46618, Stop: 44822, Start Num: 40
Candidate Starts for Kiwot_52:
(Start: 40 @46618 has 128 MA's), (Start: 74 @46525 has 130 MA's), (Start: 87 @46501 has 14 MA's), (Start: 92 @46444 has 1 MA's), (Start: 94 @46435 has 2 MA's), (109, 46345), (113, 46312), (126, 46255), (128, 46243), (133, 46219), (136, 46207), (137, 46198), (149, 46138), (160, 46048), (166, 46003), (173, 45943), (183, 45889), (189, 45841), (192, 45820), (215, 45688), (225, 45619), (227, 45613), (229, 45586), (231, 45571), (236, 45529), (241, 45481), (245, 45451), (251, 45424), (285, 45298), (287, 45292), (291, 45265), (301, 45220), (308, 45205), (310, 45199), (326, 45145), (330, 45136), (386, 44908), (394, 44872),

Gene: KlimbOn_52 Start: 46954, Stop: 45251, Start Num: 73
Candidate Starts for KlimbOn_52:
(Start: 73 @46954 has 70 MA's), (Start: 87 @46930 has 14 MA's), (Start: 92 @46873 has 1 MA's), (Start: 94 @46864 has 2 MA's), (109, 46774), (113, 46741), (126, 46684), (128, 46672), (133, 46648), (136, 46636), (137, 46627), (149, 46567), (160, 46477), (166, 46432), (173, 46372), (183, 46318), (189, 46270), (192, 46249), (215, 46117), (225, 46048), (227, 46042), (229, 46015), (231, 46000), (236, 45958), (241, 45910), (245, 45880), (251, 45853), (285, 45727), (287, 45721), (291, 45694), (300, 45652), (301, 45649), (308, 45634), (310, 45628), (326, 45574), (330, 45565), (386, 45337), (394, 45301),

Gene: Kloppinator_53 Start: 47367, Stop: 45664, Start Num: 73
Candidate Starts for Kloppinator_53:
(Start: 73 @47367 has 70 MA's), (Start: 87 @47343 has 14 MA's), (Start: 92 @47286 has 1 MA's), (Start: 94 @47277 has 2 MA's), (109, 47187), (113, 47154), (126, 47097), (128, 47085), (133, 47061), (136, 47049), (137, 47040), (149, 46980), (160, 46890), (166, 46845), (173, 46785), (183, 46731), (189, 46683), (192, 46662), (215, 46530), (225, 46461), (227, 46455), (229, 46428), (231, 46413), (236, 46371), (241, 46323), (245, 46293), (251, 46266), (285, 46140), (287, 46134), (291, 46107), (300, 46065), (301, 46062), (308, 46047), (310, 46041), (326, 45987), (330, 45978), (386, 45750), (394, 45714),

Gene: Knocker_54 Start: 49679, Stop: 47895, Start Num: 54
Candidate Starts for Knocker_54:
(Start: 54 @49679 has 1 MA's), (Start: 74 @49610 has 130 MA's), (97, 49505), (104, 49445), (113, 49391), (121, 49358), (126, 49337), (133, 49301), (136, 49289), (137, 49280), (142, 49253), (152, 49175), (156, 49151), (160, 49130), (171, 49043), (183, 48977), (185, 48968), (187, 48941), (188, 48932), (189, 48929), (193, 48905), (196, 48890), (199, 48863), (213, 48788), (215, 48776), (225, 48707), (227, 48701), (229, 48674), (230, 48662), (236, 48617), (238, 48602), (245, 48539), (247, 48530), (256, 48488), (257, 48473), (259, 48467), (264, 48455), (270, 48440), (280, 48410), (281, 48407), (284, 48392), (285, 48386), (286, 48383), (293, 48344), (295, 48326), (300, 48308), (308, 48290), (333, 48179), (359, 48095), (362, 48086), (368, 48068), (386, 47972), (397, 47930), (400,

47909),

Gene: Kolhan_51 Start: 46562, Stop: 44847, Start Num: 76
Candidate Starts for Kolhan_51:
(9, 46991), (11, 46955), (13, 46883), (15, 46868), (19, 46817), (Start: 76 @46562 has 36 MA's), (Start: 82 @46550 has 2 MA's), (107, 46379), (Start: 108 @46376 has 1 MA's), (113, 46340), (114, 46328), (117, 46319), (126, 46283), (127, 46280), (133, 46247), (145, 46184), (160, 46076), (166, 46037), (178, 45956), (183, 45923), (185, 45914), (189, 45875), (192, 45854), (193, 45851), (199, 45809), (201, 45794), (202, 45779), (209, 45749), (215, 45722), (220, 45674), (226, 45650), (227, 45647), (229, 45620), (230, 45608), (232, 45602), (236, 45563), (241, 45515), (245, 45485), (246, 45479), (256, 45434), (270, 45359), (273, 45347), (280, 45320), (281, 45317), (284, 45302), (295, 45236), (308, 45203), (332, 45125), (344, 45095), (345, 45092), (352, 45080), (361, 45041), (377, 44963), (378, 44960), (386, 44921), (401, 44855),

Gene: Kratio_62 Start: 43803, Stop: 45518, Start Num: 79
Candidate Starts for Kratio_62:
(Start: 79 @43803 has 26 MA's), (97, 43896), (101, 43938), (Start: 108 @43974 has 1 MA's), (109, 43977), (112, 44001), (113, 44010), (122, 44049), (126, 44067), (137, 44124), (142, 44151), (143, 44154), (151, 44217), (160, 44277), (164, 44307), (166, 44316), (176, 44391), (177, 44394), (187, 44466), (188, 44475), (189, 44478), (197, 44544), (198, 44547), (199, 44550), (201, 44565), (202, 44580), (205, 44595), (213, 44625), (215, 44637), (229, 44739), (230, 44751), (231, 44754), (232, 44757), (234, 44778), (236, 44796), (241, 44844), (247, 44877), (252, 44904), (284, 45033), (289, 45057), (295, 45102), (296, 45105), (306, 45138), (315, 45162), (327, 45216), (330, 45222), (334, 45246), (366, 45363), (373, 45405), (379, 45429),

Gene: Kronus_52 Start: 48200, Stop: 46503, Start Num: 70
Candidate Starts for Kronus_52:
(Start: 70 @48200 has 42 MA's), (Start: 108 @48002 has 1 MA's), (113, 47966), (126, 47909), (137, 47852), (145, 47810), (147, 47804), (152, 47747), (157, 47720), (160, 47702), (173, 47597), (187, 47507), (189, 47495), (192, 47474), (199, 47429), (210, 47366), (222, 47282), (226, 47267), (227, 47264), (228, 47261), (229, 47237), (232, 47219), (236, 47180), (241, 47132), (245, 47102), (250, 47078), (257, 47036), (283, 46958), (289, 46931), (298, 46880), (308, 46856), (339, 46769), (356, 46727), (377, 46622), (386, 46580), (389, 46565),

Gene: Kwadwo_51 Start: 46640, Stop: 44937, Start Num: 74
Candidate Starts for Kwadwo_51:
(Start: 74 @46640 has 130 MA's), (Start: 87 @46616 has 14 MA's), (Start: 92 @46559 has 1 MA's), (Start: 94 @46550 has 2 MA's), (109, 46460), (113, 46427), (126, 46370), (128, 46358), (133, 46334), (136, 46322), (137, 46313), (149, 46253), (160, 46163), (166, 46118), (173, 46058), (183, 46004), (189, 45956), (192, 45935), (215, 45803), (225, 45734), (227, 45728), (229, 45701), (231, 45686), (236, 45644), (241, 45596), (245, 45566), (251, 45539), (285, 45413), (287, 45407), (291, 45380), (300, 45338), (301, 45335), (308, 45320), (310, 45314), (326, 45260), (330, 45251), (386, 45023), (394, 44987),

Gene: Kwksand96_51 Start: 46608, Stop: 44812, Start Num: 40
Candidate Starts for Kwksand96_51:
(Start: 40 @46608 has 128 MA's), (Start: 74 @46515 has 130 MA's), (Start: 87 @46491 has 14 MA's), (Start: 92 @46434 has 1 MA's), (Start: 94 @46425 has 2 MA's), (109, 46335), (113, 46302), (126, 46245), (128, 46233), (133, 46209), (136, 46197), (137, 46188), (149, 46128), (160, 46038), (166, 45993), (173, 45933), (183, 45879), (189, 45831), (192, 45810), (215, 45678), (225, 45609), (227, 45603), (229, 45576), (231, 45561), (236, 45519), (241, 45471), (245, 45441), (251, 45414), (285, 45288), (287, 45282), (291, 45255), (301, 45210), (308, 45195), (310, 45189), (326, 45135), (330, 45126), (386, 44898), (394, 44862),

Gene: Labeouficaum_51 Start: 46603, Stop: 44807, Start Num: 40
Candidate Starts for Labeouficaum_51:
(Start: 40 @46603 has 128 MA's), (Start: 74 @46510 has 130 MA's), (Start: 87 @46486 has 14 MA's), (Start: 92 @46429 has 1 MA's), (Start: 94 @46420 has 2 MA's), (109, 46330), (113, 46297), (126, 46240), (128, 46228), (133, 46204), (136, 46192), (137, 46183), (149, 46123), (160, 46033), (166, 45988), (173, 45928), (183, 45874), (189, 45826), (192, 45805), (215, 45673), (225, 45604), (227, 45598), (229, 45571), (231, 45556), (236, 45514), (241, 45466), (245, 45436), (251, 45409), (285, 45283), (287, 45277), (291, 45250), (301, 45205), (308, 45190), (310, 45184), (326, 45130), (330, 45121), (386, 44893), (394, 44857),

Gene: Lambano_46 Start: 46399, Stop: 44684, Start Num: 74
Candidate Starts for Lambano_46:
(Start: 74 @46399 has 130 MA's), (110, 46207), (113, 46177), (117, 46156), (126, 46120), (133, 46084), (135, 46075), (156, 45934), (160, 45913), (161, 45892), (173, 45814), (178, 45793), (183, 45760), (185, 45751), (188, 45715), (189, 45712), (193, 45688), (213, 45571), (215, 45559), (219, 45535), (225, 45490), (227, 45484), (229, 45457), (230, 45445), (231, 45442), (236, 45400), (241, 45352), (245, 45322), (256, 45271), (270, 45223), (281, 45187), (285, 45166), (286, 45163), (293, 45124), (300, 45088), (306, 45073), (308, 45070), (312, 45061), (317, 45043), (323, 45016), (330, 44995), (359, 44884), (386, 44761),

Gene: Lars_51 Start: 46669, Stop: 44954, Start Num: 76
Candidate Starts for Lars_51:
(Start: 76 @46669 has 36 MA's), (107, 46486), (Start: 108 @46483 has 1 MA's), (113, 46447), (114, 46435), (117, 46426), (126, 46390), (127, 46387), (133, 46354), (145, 46291), (160, 46183), (166, 46144), (178, 46063), (183, 46030), (185, 46021), (189, 45982), (192, 45961), (193, 45958), (199, 45916), (201, 45901), (202, 45886), (209, 45856), (215, 45829), (219, 45805), (220, 45781), (226, 45757), (227, 45754), (229, 45727), (230, 45715), (232, 45709), (236, 45670), (241, 45622), (245, 45592), (256, 45541), (258, 45514), (270, 45466), (273, 45454), (280, 45427), (281, 45424), (284, 45409), (295, 45343), (308, 45310), (332, 45232), (344, 45202), (345, 45199), (352, 45187), (361, 45148), (377, 45070), (386, 45028), (401, 44962),

Gene: Larson_54 Start: 47035, Stop: 45356, Start Num: 87
Candidate Starts for Larson_54:
(Start: 74 @47059 has 130 MA's), (Start: 87 @47035 has 14 MA's), (Start: 92 @46978 has 1 MA's), (Start: 94 @46969 has 2 MA's), (109, 46879), (113, 46846), (126, 46789), (128, 46777), (133, 46753), (136, 46741), (137, 46732), (149, 46672), (160, 46582), (166, 46537), (173, 46477), (183, 46423), (189, 46375), (192, 46354), (215, 46222), (225, 46153), (227, 46147), (229, 46120), (231, 46105), (236, 46063), (241, 46015), (245, 45985), (251, 45958), (285, 45832), (287, 45826), (291, 45799), (301, 45754), (308, 45739), (310, 45733), (326, 45679), (330, 45670), (386, 45442), (394, 45406),

Gene: Larva_65 Start: 45264, Stop: 46979, Start Num: 79
Candidate Starts for Larva_65:
(Start: 79 @45264 has 26 MA's), (97, 45357), (101, 45399), (Start: 108 @45435 has 1 MA's), (109, 45438), (112, 45462), (113, 45471), (122, 45510), (126, 45528), (137, 45585), (142, 45612), (143, 45615), (151, 45678), (160, 45738), (164, 45768), (166, 45777), (176, 45852), (177, 45855), (187, 45927), (188, 45936), (189, 45939), (197, 46005), (198, 46008), (199, 46011), (201, 46026), (202, 46041), (205, 46056), (213, 46086), (215, 46098), (229, 46200), (230, 46212), (231, 46215), (232, 46218), (234, 46239), (236, 46257), (241, 46305), (247, 46338), (252, 46365), (284, 46494), (289, 46518), (295, 46563), (296, 46566), (306, 46599), (315, 46623), (327, 46677), (330, 46683), (334, 46707), (366, 46824), (370, 46839), (373, 46866), (379, 46890),

Gene: LasagnaCat_53 Start: 47179, Stop: 45383, Start Num: 40

Candidate Starts for LasagnaCat_53:
(Start: 40 @47179 has 128 MA's), (Start: 74 @47086 has 130 MA's), (Start: 87 @47062 has 14 MA's), (Start: 92 @47005 has 1 MA's), (Start: 94 @46996 has 2 MA's), (109, 46906), (113, 46873), (126, 46816), (128, 46804), (133, 46780), (136, 46768), (137, 46759), (149, 46699), (160, 46609), (166, 46564), (173, 46504), (183, 46450), (189, 46402), (192, 46381), (215, 46249), (225, 46180), (227, 46174), (229, 46147), (231, 46132), (236, 46090), (241, 46042), (245, 46012), (251, 45985), (285, 45859), (287, 45853), (291, 45826), (301, 45781), (308, 45766), (310, 45760), (326, 45706), (330, 45697), (386, 45469), (394, 45433),

Gene: Lasso_52 Start: 46915, Stop: 45212, Start Num: 74
Candidate Starts for Lasso_52:
(Start: 74 @46915 has 130 MA's), (Start: 87 @46891 has 14 MA's), (Start: 92 @46834 has 1 MA's), (Start: 94 @46825 has 2 MA's), (109, 46735), (113, 46702), (126, 46645), (128, 46633), (133, 46609), (136, 46597), (137, 46588), (149, 46528), (160, 46438), (166, 46393), (173, 46333), (183, 46279), (189, 46231), (192, 46210), (215, 46078), (225, 46009), (227, 46003), (229, 45976), (231, 45961), (236, 45919), (241, 45871), (245, 45841), (251, 45814), (285, 45688), (287, 45682), (291, 45655), (300, 45613), (301, 45610), (308, 45595), (310, 45589), (326, 45535), (330, 45526), (386, 45298), (394, 45262),

Gene: Laurie_50 Start: 46054, Stop: 44342, Start Num: 76
Candidate Starts for Laurie_50:
(Start: 76 @46054 has 36 MA's), (Start: 82 @46042 has 2 MA's), (107, 45871), (Start: 108 @45868 has 1 MA's), (113, 45832), (114, 45820), (117, 45811), (126, 45775), (127, 45772), (133, 45739), (145, 45676), (160, 45568), (166, 45529), (178, 45448), (183, 45415), (185, 45406), (189, 45367), (192, 45346), (193, 45343), (199, 45301), (201, 45286), (202, 45271), (209, 45241), (215, 45214), (219, 45190), (220, 45166), (226, 45142), (227, 45139), (229, 45112), (230, 45100), (232, 45094), (236, 45055), (241, 45007), (245, 44977), (256, 44926), (258, 44899), (270, 44851), (273, 44839), (280, 44815), (281, 44812), (284, 44797), (295, 44731), (308, 44698), (332, 44620), (344, 44590), (345, 44587), (352, 44575), (361, 44536), (377, 44458), (386, 44416), (401, 44350),

Gene: LeeLot_52 Start: 46943, Stop: 45264, Start Num: 87
Candidate Starts for LeeLot_52:
(Start: 73 @46967 has 70 MA's), (Start: 87 @46943 has 14 MA's), (Start: 92 @46886 has 1 MA's), (Start: 94 @46877 has 2 MA's), (109, 46787), (113, 46754), (126, 46697), (128, 46685), (133, 46661), (136, 46649), (137, 46640), (149, 46580), (160, 46490), (166, 46445), (173, 46385), (183, 46331), (189, 46283), (192, 46262), (215, 46130), (225, 46061), (227, 46055), (229, 46028), (231, 46013), (236, 45971), (241, 45923), (245, 45893), (251, 45866), (285, 45740), (287, 45734), (291, 45707), (301, 45662), (308, 45647), (310, 45641), (326, 45587), (330, 45578), (386, 45350), (394, 45314),

Gene: Lego3393_51 Start: 47188, Stop: 45392, Start Num: 40
Candidate Starts for Lego3393_51:
(Start: 40 @47188 has 128 MA's), (Start: 74 @47095 has 130 MA's), (Start: 87 @47071 has 14 MA's), (Start: 92 @47014 has 1 MA's), (Start: 94 @47005 has 2 MA's), (109, 46915), (113, 46882), (126, 46825), (128, 46813), (133, 46789), (136, 46777), (137, 46768), (149, 46708), (160, 46618), (166, 46573), (173, 46513), (183, 46459), (189, 46411), (192, 46390), (215, 46258), (225, 46189), (227, 46183), (229, 46156), (231, 46141), (236, 46099), (241, 46051), (245, 46021), (251, 45994), (285, 45868), (287, 45862), (291, 45835), (301, 45790), (308, 45775), (310, 45769), (326, 45715), (330, 45706), (386, 45478), (394, 45442),

Gene: Legolas_52 Start: 46685, Stop: 44982, Start Num: 74
Candidate Starts for Legolas_52:
(Start: 40 @46778 has 128 MA's), (Start: 74 @46685 has 130 MA's), (Start: 87 @46661 has 14 MA's), (Start: 92 @46604 has 1 MA's), (Start: 94 @46595 has 2 MA's), (109, 46505), (113, 46472), (126,

46415), (128, 46403), (133, 46379), (136, 46367), (137, 46358), (149, 46298), (160, 46208), (166, 46163), (173, 46103), (183, 46049), (189, 46001), (192, 45980), (215, 45848), (225, 45779), (227, 45773), (229, 45746), (231, 45731), (236, 45689), (241, 45641), (245, 45611), (251, 45584), (285, 45458), (287, 45452), (291, 45425), (300, 45383), (301, 45380), (308, 45365), (310, 45359), (326, 45305), (330, 45296), (386, 45068), (394, 45032),

Gene: Lehmann_52 Start: 46497, Stop: 44794, Start Num: 74
Candidate Starts for Lehmann_52:
(Start: 40 @46593 has 128 MA's), (Start: 74 @46497 has 130 MA's), (Start: 87 @46473 has 14 MA's), (Start: 92 @46416 has 1 MA's), (Start: 94 @46407 has 2 MA's), (109, 46317), (113, 46284), (126, 46227), (128, 46215), (133, 46191), (136, 46179), (137, 46170), (149, 46110), (160, 46020), (166, 45975), (173, 45915), (189, 45813), (192, 45792), (215, 45660), (225, 45591), (227, 45585), (229, 45558), (231, 45543), (236, 45501), (241, 45453), (245, 45423), (251, 45396), (285, 45270), (287, 45264), (291, 45237), (300, 45195), (301, 45192), (308, 45177), (310, 45171), (326, 45117), (330, 45108), (386, 44880), (394, 44844),

Gene: LeiMonet_52 Start: 46740, Stop: 44944, Start Num: 40
Candidate Starts for LeiMonet_52:
(Start: 40 @46740 has 128 MA's), (Start: 74 @46647 has 130 MA's), (Start: 87 @46623 has 14 MA's), (Start: 92 @46566 has 1 MA's), (Start: 94 @46557 has 2 MA's), (109, 46467), (113, 46434), (126, 46377), (128, 46365), (133, 46341), (136, 46329), (137, 46320), (149, 46260), (160, 46170), (166, 46125), (173, 46065), (183, 46011), (189, 45963), (192, 45942), (215, 45810), (225, 45741), (227, 45735), (229, 45708), (231, 45693), (236, 45651), (241, 45603), (245, 45573), (251, 45546), (285, 45420), (287, 45414), (291, 45387), (301, 45342), (308, 45327), (310, 45321), (326, 45267), (330, 45258), (386, 45030), (394, 44994),

Gene: LemonSlice_52 Start: 46745, Stop: 44949, Start Num: 40
Candidate Starts for LemonSlice_52:
(Start: 40 @46745 has 128 MA's), (Start: 74 @46652 has 130 MA's), (Start: 87 @46628 has 14 MA's), (Start: 92 @46571 has 1 MA's), (Start: 94 @46562 has 2 MA's), (109, 46472), (113, 46439), (126, 46382), (128, 46370), (133, 46346), (136, 46334), (137, 46325), (149, 46265), (160, 46175), (166, 46130), (173, 46070), (183, 46016), (189, 45968), (192, 45947), (215, 45815), (225, 45746), (227, 45740), (229, 45713), (231, 45698), (236, 45656), (241, 45608), (245, 45578), (251, 45551), (285, 45425), (287, 45419), (291, 45392), (301, 45347), (308, 45332), (310, 45326), (326, 45272), (330, 45263), (386, 45035), (394, 44999),

Gene: Lephleur_51 Start: 46575, Stop: 44860, Start Num: 76
Candidate Starts for Lephleur_51:
(9, 47004), (11, 46968), (13, 46896), (15, 46881), (19, 46830), (Start: 76 @46575 has 36 MA's), (Start: 82 @46563 has 2 MA's), (107, 46392), (Start: 108 @46389 has 1 MA's), (113, 46353), (114, 46341), (117, 46332), (126, 46296), (127, 46293), (133, 46260), (145, 46197), (160, 46089), (166, 46050), (178, 45969), (183, 45936), (185, 45927), (189, 45888), (192, 45867), (193, 45864), (199, 45822), (201, 45807), (202, 45792), (209, 45762), (215, 45735), (220, 45687), (226, 45663), (227, 45660), (229, 45633), (230, 45621), (232, 45615), (236, 45576), (241, 45528), (245, 45498), (246, 45492), (256, 45447), (270, 45372), (273, 45360), (280, 45333), (281, 45330), (284, 45315), (295, 45249), (308, 45216), (332, 45138), (344, 45108), (345, 45105), (352, 45093), (361, 45054), (377, 44976), (378, 44973), (386, 44934), (401, 44868),

Gene: Leston_64 Start: 45849, Stop: 47558, Start Num: 79
Candidate Starts for Leston_64:
(Start: 79 @45849 has 26 MA's), (97, 45942), (101, 45984), (Start: 108 @46020 has 1 MA's), (109, 46023), (112, 46047), (113, 46056), (122, 46095), (126, 46113), (137, 46170), (142, 46197), (143, 46200), (151, 46263), (160, 46323), (164, 46353), (166, 46362), (173, 46422), (176, 46437), (177,

46440), (184, 46482), (185, 46485), (188, 46521), (189, 46524), (197, 46590), (198, 46593), (199, 46596), (201, 46611), (202, 46626), (205, 46641), (213, 46671), (215, 46683), (229, 46785), (230, 46797), (231, 46800), (232, 46803), (234, 46824), (236, 46842), (240, 46887), (241, 46890), (248, 46929), (252, 46950), (284, 47079), (295, 47148), (296, 47151), (306, 47184), (308, 47187), (309, 47190), (325, 47253), (327, 47262), (330, 47268), (334, 47292), (347, 47325), (361, 47388), (366, 47409), (370, 47424), (373, 47451), (374, 47460), (379, 47475),

Gene: LestyG_51 Start: 46842, Stop: 45145, Start Num: 70
Candidate Starts for LestyG_51:
(Start: 70 @46842 has 42 MA's), (Start: 108 @46644 has 1 MA's), (113, 46608), (126, 46551), (137, 46494), (145, 46452), (147, 46446), (152, 46389), (157, 46362), (160, 46344), (173, 46239), (187, 46149), (189, 46137), (192, 46116), (199, 46071), (210, 46008), (222, 45924), (226, 45909), (227, 45906), (228, 45903), (229, 45879), (232, 45861), (236, 45822), (241, 45774), (245, 45744), (250, 45720), (257, 45678), (283, 45600), (289, 45573), (295, 45531), (298, 45522), (308, 45498), (339, 45411), (356, 45369), (377, 45264), (386, 45222), (389, 45207), (392, 45189),

Gene: Ligma_46 Start: 40113, Stop: 38449, Start Num: 72
Candidate Starts for Ligma_46:
(42, 40215), (Start: 71 @40116 has 1 MA's), (Start: 72 @40113 has 21 MA's), (106, 39939), (107, 39933), (109, 39927), (113, 39894), (114, 39882), (126, 39837), (156, 39651), (160, 39630), (173, 39531), (178, 39510), (183, 39477), (189, 39429), (197, 39369), (224, 39213), (226, 39204), (229, 39174), (231, 39159), (236, 39117), (241, 39069), (245, 39039), (247, 39030), (308, 38796), (326, 38757), (330, 38748), (352, 38685), (380, 38562), (386, 38526), (401, 38460),

Gene: LilDirt_63 Start: 43825, Stop: 45537, Start Num: 79
Candidate Starts for LilDirt_63:
(Start: 79 @43825 has 26 MA's), (97, 43918), (101, 43960), (Start: 108 @43996 has 1 MA's), (109, 43999), (112, 44023), (113, 44032), (122, 44071), (126, 44089), (137, 44146), (142, 44173), (143, 44176), (151, 44239), (160, 44299), (164, 44329), (166, 44338), (176, 44413), (177, 44416), (185, 44461), (187, 44488), (188, 44497), (189, 44500), (197, 44566), (198, 44569), (199, 44572), (201, 44587), (202, 44602), (213, 44647), (215, 44659), (228, 44737), (229, 44761), (230, 44773), (231, 44776), (232, 44779), (234, 44800), (236, 44818), (241, 44866), (248, 44905), (252, 44926), (273, 45010), (284, 45052), (289, 45076), (295, 45121), (296, 45124), (306, 45157), (315, 45181), (327, 45235), (330, 45241), (334, 45265), (366, 45382), (373, 45424), (379, 45448),

Gene: LilMcDreamy_50 Start: 47527, Stop: 45827, Start Num: 74
Candidate Starts for LilMcDreamy_50:
(51, 47605), (Start: 74 @47527 has 130 MA's), (97, 47428), (113, 47314), (126, 47260), (133, 47224), (149, 47143), (156, 47074), (160, 47053), (183, 46900), (188, 46855), (189, 46852), (199, 46786), (227, 46624), (229, 46597), (230, 46585), (231, 46582), (236, 46540), (237, 46537), (241, 46492), (245, 46462), (256, 46411), (257, 46396), (259, 46390), (265, 46375), (274, 46345), (276, 46333), (281, 46321), (285, 46300), (286, 46297), (295, 46240), (300, 46222), (308, 46204), (316, 46180), (338, 46105), (362, 46021), (386, 45907), (398, 45856),

Gene: LilSmirk_51 Start: 46572, Stop: 44857, Start Num: 76
Candidate Starts for LilSmirk_51:
(9, 47001), (11, 46965), (13, 46893), (15, 46878), (19, 46827), (Start: 76 @46572 has 36 MA's), (Start: 82 @46560 has 2 MA's), (107, 46389), (Start: 108 @46386 has 1 MA's), (113, 46350), (114, 46338), (117, 46329), (126, 46293), (127, 46290), (133, 46257), (145, 46194), (160, 46086), (166, 46047), (178, 45966), (183, 45933), (185, 45924), (189, 45885), (192, 45864), (193, 45861), (199, 45819), (201, 45804), (202, 45789), (209, 45759), (215, 45732), (220, 45684), (226, 45660), (227, 45657), (229, 45630), (230, 45618), (232, 45612), (236, 45573), (241, 45525), (245, 45495), (256, 45444), (270, 45369), (273, 45357), (280, 45330), (281, 45327), (284, 45312), (295, 45246), (308, 45213),

(332, 45135), (344, 45105), (345, 45102), (352, 45090), (361, 45051), (377, 44973), (386, 44931), (401, 44865),

Gene: LittleDigger_46 Start: 46415, Stop: 44700, Start Num: 74
Candidate Starts for LittleDigger_46:
(Start: 74 @46415 has 130 MA's), (110, 46223), (113, 46193), (117, 46172), (126, 46136), (133, 46100), (135, 46091), (156, 45950), (160, 45929), (161, 45908), (173, 45830), (178, 45809), (183, 45776), (185, 45767), (188, 45731), (189, 45728), (193, 45704), (213, 45587), (215, 45575), (219, 45551), (225, 45506), (227, 45500), (229, 45473), (230, 45461), (231, 45458), (236, 45416), (241, 45368), (245, 45338), (256, 45287), (270, 45239), (281, 45203), (285, 45182), (286, 45179), (293, 45140), (300, 45104), (306, 45089), (308, 45086), (312, 45077), (317, 45059), (323, 45032), (330, 45011), (359, 44900), (386, 44777),

Gene: LittleMinkey_57 Start: 46919, Stop: 45153, Start Num: 80
Candidate Starts for LittleMinkey_57:
(46, 47006), (Start: 80 @46919 has 2 MA's), (109, 46739), (113, 46706), (156, 46463), (160, 46442), (166, 46403), (174, 46340), (178, 46322), (189, 46241), (193, 46217), (213, 46100), (227, 46013), (229, 45986), (230, 45974), (231, 45971), (236, 45929), (241, 45881), (245, 45851), (251, 45824), (256, 45800), (282, 45662), (285, 45647), (342, 45437), (346, 45428), (352, 45410), (362, 45368), (386, 45254), (398, 45203),

Gene: LittleMunchkin_47 Start: 42897, Stop: 41230, Start Num: 72
Candidate Starts for LittleMunchkin_47:
(Start: 72 @42897 has 21 MA's), (86, 42864), (89, 42837), (91, 42828), (97, 42786), (106, 42717), (107, 42711), (109, 42705), (113, 42672), (145, 42516), (149, 42498), (156, 42429), (160, 42408), (178, 42288), (189, 42207), (192, 42186), (197, 42147), (226, 41982), (227, 41979), (229, 41952), (230, 41940), (231, 41937), (236, 41895), (245, 41817), (306, 41574), (308, 41571), (326, 41532), (330, 41523), (348, 41466), (352, 41460), (367, 41400), (386, 41301),

Gene: LizLemon_51 Start: 46691, Stop: 44976, Start Num: 76
Candidate Starts for LizLemon_51:
(9, 47120), (11, 47084), (13, 47012), (19, 46946), (Start: 76 @46691 has 36 MA's), (107, 46508), (Start: 108 @46505 has 1 MA's), (113, 46469), (114, 46457), (117, 46448), (126, 46412), (127, 46409), (133, 46376), (145, 46313), (160, 46205), (166, 46166), (178, 46085), (183, 46052), (185, 46043), (189, 46004), (192, 45983), (193, 45980), (199, 45938), (201, 45923), (202, 45908), (209, 45878), (215, 45851), (220, 45803), (226, 45779), (227, 45776), (229, 45749), (230, 45737), (232, 45731), (236, 45692), (241, 45644), (245, 45614), (256, 45563), (258, 45536), (270, 45488), (273, 45476), (280, 45449), (281, 45446), (284, 45431), (295, 45365), (308, 45332), (332, 45254), (344, 45224), (345, 45221), (352, 45209), (361, 45170), (377, 45092), (386, 45050), (401, 44984),

Gene: Lolalove_48 Start: 47423, Stop: 45711, Start Num: 74
Candidate Starts for Lolalove_48:
(Start: 74 @47423 has 130 MA's), (107, 47240), (113, 47201), (117, 47180), (133, 47111), (149, 47030), (156, 46961), (160, 46940), (173, 46841), (178, 46820), (183, 46787), (185, 46778), (188, 46742), (189, 46739), (193, 46715), (211, 46604), (213, 46598), (215, 46586), (225, 46517), (227, 46511), (229, 46484), (230, 46472), (231, 46469), (236, 46427), (241, 46379), (245, 46349), (281, 46214), (284, 46199), (285, 46193), (286, 46190), (292, 46157), (293, 46151), (294, 46142), (300, 46115), (306, 46100), (308, 46097), (312, 46088), (317, 46070), (323, 46043), (330, 46022), (359, 45911), (386, 45788), (395, 45749), (398, 45737),

Gene: Longacauda_51 Start: 46741, Stop: 44945, Start Num: 40
Candidate Starts for Longacauda_51:

(Start: 40 @46741 has 128 MA's), (Start: 74 @46648 has 130 MA's), (Start: 87 @46624 has 14 MA's), (Start: 92 @46567 has 1 MA's), (Start: 94 @46558 has 2 MA's), (109, 46468), (113, 46435), (126, 46378), (128, 46366), (133, 46342), (136, 46330), (137, 46321), (149, 46261), (160, 46171), (166, 46126), (173, 46066), (183, 46012), (189, 45964), (192, 45943), (215, 45811), (225, 45742), (227, 45736), (229, 45709), (231, 45694), (236, 45652), (241, 45604), (245, 45574), (251, 45547), (285, 45421), (287, 45415), (291, 45388), (300, 45346), (301, 45343), (308, 45328), (310, 45322), (326, 45268), (330, 45259), (386, 45031), (394, 44995),

Gene: Lopsy_51 Start: 46513, Stop: 44810, Start Num: 74
Candidate Starts for Lopsy_51:
(Start: 40 @46609 has 128 MA's), (Start: 74 @46513 has 130 MA's), (Start: 87 @46489 has 14 MA's), (Start: 92 @46432 has 1 MA's), (Start: 94 @46423 has 2 MA's), (109, 46333), (113, 46300), (126, 46243), (128, 46231), (133, 46207), (136, 46195), (137, 46186), (149, 46126), (160, 46036), (166, 45991), (173, 45931), (189, 45829), (192, 45808), (215, 45676), (225, 45607), (227, 45601), (229, 45574), (231, 45559), (236, 45517), (241, 45469), (245, 45439), (251, 45412), (285, 45286), (287, 45280), (291, 45253), (301, 45208), (308, 45193), (310, 45187), (326, 45133), (330, 45124), (386, 44896), (394, 44860),

Gene: LostAndPhound_51 Start: 46667, Stop: 44964, Start Num: 74
Candidate Starts for LostAndPhound_51:
(Start: 40 @46760 has 128 MA's), (Start: 74 @46667 has 130 MA's), (Start: 87 @46643 has 14 MA's), (Start: 92 @46586 has 1 MA's), (Start: 94 @46577 has 2 MA's), (109, 46487), (113, 46454), (126, 46397), (128, 46385), (133, 46361), (136, 46349), (137, 46340), (149, 46280), (160, 46190), (166, 46145), (173, 46085), (183, 46031), (189, 45983), (192, 45962), (215, 45830), (225, 45761), (227, 45755), (229, 45728), (231, 45713), (236, 45671), (241, 45623), (245, 45593), (251, 45566), (285, 45440), (287, 45434), (291, 45407), (300, 45365), (301, 45362), (308, 45347), (310, 45341), (326, 45287), (330, 45278), (386, 45050), (394, 45014),

Gene: LuckyMarjie_51 Start: 46655, Stop: 44952, Start Num: 73
Candidate Starts for LuckyMarjie_51:
(Start: 73 @46655 has 70 MA's), (Start: 87 @46631 has 14 MA's), (Start: 92 @46574 has 1 MA's), (Start: 94 @46565 has 2 MA's), (109, 46475), (113, 46442), (126, 46385), (128, 46373), (133, 46349), (136, 46337), (137, 46328), (149, 46268), (160, 46178), (166, 46133), (173, 46073), (183, 46019), (189, 45971), (192, 45950), (215, 45818), (225, 45749), (227, 45743), (229, 45716), (231, 45701), (236, 45659), (241, 45611), (245, 45581), (251, 45554), (285, 45428), (287, 45422), (291, 45395), (301, 45350), (308, 45335), (310, 45329), (326, 45275), (330, 45266), (386, 45038), (394, 45002),

Gene: Lulumae_51 Start: 46640, Stop: 44937, Start Num: 73
Candidate Starts for Lulumae_51:
(Start: 73 @46640 has 70 MA's), (Start: 87 @46616 has 14 MA's), (Start: 92 @46559 has 1 MA's), (Start: 94 @46550 has 2 MA's), (109, 46460), (113, 46427), (126, 46370), (128, 46358), (133, 46334), (136, 46322), (137, 46313), (149, 46253), (160, 46163), (166, 46118), (173, 46058), (183, 46004), (189, 45956), (192, 45935), (215, 45803), (225, 45734), (227, 45728), (229, 45701), (231, 45686), (236, 45644), (241, 45596), (245, 45566), (251, 45539), (285, 45413), (287, 45407), (291, 45380), (301, 45335), (308, 45320), (310, 45314), (326, 45260), (330, 45251), (386, 45023), (394, 44987),

Gene: Lulwa_52 Start: 46933, Stop: 45230, Start Num: 73
Candidate Starts for Lulwa_52:
(Start: 73 @46933 has 70 MA's), (Start: 87 @46909 has 14 MA's), (Start: 92 @46852 has 1 MA's), (Start: 94 @46843 has 2 MA's), (109, 46753), (113, 46720), (126, 46663), (128, 46651), (133, 46627), (136, 46615), (137, 46606), (149, 46546), (160, 46456), (166, 46411), (173, 46351), (189, 46249), (192, 46228), (215, 46096), (225, 46027), (227, 46021), (229, 45994), (231, 45979), (236, 45937), (241, 45889), (245, 45859), (251, 45832), (285, 45706), (287, 45700), (291, 45673), (301, 45628),

(308, 45613), (310, 45607), (326, 45553), (330, 45544), (386, 45316), (394, 45280),

Gene: Lumine_51 Start: 46729, Stop: 44933, Start Num: 40
Candidate Starts for Lumine_51:
(Start: 40 @46729 has 128 MA's), (Start: 74 @46636 has 130 MA's), (Start: 87 @46612 has 14 MA's), (Start: 92 @46555 has 1 MA's), (Start: 94 @46546 has 2 MA's), (109, 46456), (113, 46423), (126, 46366), (128, 46354), (133, 46330), (136, 46318), (137, 46309), (149, 46249), (160, 46159), (166, 46114), (173, 46054), (183, 46000), (189, 45952), (192, 45931), (215, 45799), (225, 45730), (227, 45724), (229, 45697), (231, 45682), (236, 45640), (241, 45592), (245, 45562), (251, 45535), (285, 45409), (287, 45403), (291, 45376), (301, 45331), (308, 45316), (310, 45310), (326, 45256), (330, 45247), (386, 45019), (394, 44983),

Gene: MRabcd_51 Start: 46646, Stop: 44943, Start Num: 74
Candidate Starts for MRabcd_51:
(Start: 40 @46739 has 128 MA's), (Start: 74 @46646 has 130 MA's), (Start: 87 @46622 has 14 MA's), (Start: 92 @46565 has 1 MA's), (Start: 94 @46556 has 2 MA's), (109, 46466), (113, 46433), (126, 46376), (128, 46364), (133, 46340), (136, 46328), (137, 46319), (149, 46259), (160, 46169), (166, 46124), (173, 46064), (183, 46010), (189, 45962), (192, 45941), (215, 45809), (225, 45740), (227, 45734), (229, 45707), (231, 45692), (236, 45650), (241, 45602), (245, 45572), (251, 45545), (285, 45419), (287, 45413), (291, 45386), (300, 45344), (301, 45341), (308, 45326), (310, 45320), (326, 45266), (330, 45257), (386, 45029), (394, 44993),

Gene: Mag7_51 Start: 46546, Stop: 44867, Start Num: 87
Candidate Starts for Mag7_51:
(Start: 40 @46663 has 128 MA's), (Start: 74 @46570 has 130 MA's), (Start: 87 @46546 has 14 MA's), (Start: 92 @46489 has 1 MA's), (Start: 94 @46480 has 2 MA's), (109, 46390), (113, 46357), (126, 46300), (128, 46288), (133, 46264), (136, 46252), (137, 46243), (149, 46183), (160, 46093), (166, 46048), (173, 45988), (183, 45934), (189, 45886), (192, 45865), (215, 45733), (225, 45664), (227, 45658), (229, 45631), (231, 45616), (236, 45574), (241, 45526), (245, 45496), (251, 45469), (285, 45343), (287, 45337), (291, 45310), (301, 45265), (308, 45250), (310, 45244), (326, 45190), (330, 45181), (386, 44953), (394, 44917),

Gene: Magic8_52 Start: 47098, Stop: 45302, Start Num: 40
Candidate Starts for Magic8_52:
(Start: 40 @47098 has 128 MA's), (Start: 74 @47005 has 130 MA's), (Start: 87 @46981 has 14 MA's), (Start: 92 @46924 has 1 MA's), (Start: 94 @46915 has 2 MA's), (109, 46825), (113, 46792), (126, 46735), (128, 46723), (133, 46699), (136, 46687), (137, 46678), (149, 46618), (160, 46528), (166, 46483), (173, 46423), (183, 46369), (189, 46321), (192, 46300), (215, 46168), (225, 46099), (227, 46093), (229, 46066), (231, 46051), (236, 46009), (241, 45961), (245, 45931), (251, 45904), (285, 45778), (287, 45772), (291, 45745), (301, 45700), (308, 45685), (310, 45679), (326, 45625), (330, 45616), (386, 45388), (394, 45352),

Gene: Magpie_46 Start: 47259, Stop: 45550, Start Num: 74
Candidate Starts for Magpie_46:
(Start: 74 @47259 has 130 MA's), (107, 47076), (110, 47067), (113, 47037), (117, 47016), (133, 46947), (145, 46884), (149, 46866), (156, 46797), (160, 46776), (173, 46677), (178, 46656), (183, 46623), (185, 46614), (188, 46578), (189, 46575), (193, 46551), (211, 46440), (213, 46434), (215, 46422), (225, 46353), (227, 46347), (229, 46320), (230, 46308), (231, 46305), (236, 46263), (241, 46215), (245, 46185), (256, 46134), (281, 46053), (284, 46038), (285, 46032), (286, 46029), (292, 45996), (293, 45990), (294, 45981), (300, 45954), (306, 45939), (308, 45936), (312, 45927), (317, 45909), (323, 45882), (330, 45861), (359, 45750), (383, 45642), (386, 45627), (395, 45588), (398, 45576),

Gene: Mahdia_34 Start: 27314, Stop: 25536, Start Num: 38
Candidate Starts for Mahdia_34:
(Start: 38 @27314 has 1 MA's), (Start: 81 @27179 has 7 MA's), (84, 27176), (89, 27137), (93, 27101), (102, 27035), (109, 27002), (113, 26969), (117, 26948), (133, 26882), (137, 26861), (145, 26819), (148, 26810), (160, 26708), (168, 26663), (173, 26615), (178, 26594), (180, 26588), (185, 26552), (189, 26513), (191, 26501), (193, 26489), (195, 26477), (197, 26453), (201, 26432), (211, 26378), (231, 26243), (232, 26240), (236, 26201), (245, 26123), (247, 26114), (261, 26051), (298, 25901), (308, 25880), (355, 25751), (356, 25739), (386, 25601), (395, 25562),

Gene: Maih_53 Start: 44660, Stop: 46498, Start Num: 83
Candidate Starts for Maih_53:
(Start: 83 @44660 has 9 MA's), (91, 44705), (95, 44741), (97, 44747), (99, 44774), (107, 44834), (117, 44894), (133, 44966), (134, 44969), (136, 44978), (142, 45014), (148, 45038), (151, 45080), (154, 45101), (159, 45125), (162, 45152), (168, 45185), (170, 45212), (180, 45260), (184, 45290), (200, 45410), (201, 45419), (203, 45437), (207, 45455), (226, 45566), (227, 45569), (230, 45608), (236, 45653), (237, 45656), (248, 45746), (305, 46028), (315, 46055), (350, 46229), (358, 46265), (363, 46280), (382, 46382), (390, 46430), (393, 46439),

Gene: MakoManhole_48 Start: 41999, Stop: 40332, Start Num: 72
Candidate Starts for MakoManhole_48:
(Start: 72 @41999 has 21 MA's), (97, 41894), (100, 41864), (107, 41819), (Start: 108 @41816 has 1 MA's), (113, 41780), (114, 41768), (156, 41534), (160, 41513), (173, 41411), (188, 41312), (189, 41309), (194, 41276), (213, 41168), (225, 41087), (226, 41084), (227, 41081), (229, 41054), (230, 41042), (231, 41039), (236, 40997), (245, 40919), (247, 40910), (254, 40877), (285, 40769), (286, 40766), (295, 40709), (306, 40679), (308, 40676), (362, 40526), (386, 40409), (401, 40343),

Gene: Mana_51 Start: 46655, Stop: 44952, Start Num: 74
Candidate Starts for Mana_51:
(Start: 74 @46655 has 130 MA's), (Start: 87 @46631 has 14 MA's), (Start: 92 @46574 has 1 MA's), (Start: 94 @46565 has 2 MA's), (109, 46475), (113, 46442), (126, 46385), (128, 46373), (133, 46349), (136, 46337), (137, 46328), (149, 46268), (160, 46178), (166, 46133), (173, 46073), (183, 46019), (189, 45971), (192, 45950), (215, 45818), (225, 45749), (227, 45743), (229, 45716), (231, 45701), (236, 45659), (241, 45611), (245, 45581), (251, 45554), (285, 45428), (287, 45422), (291, 45395), (300, 45353), (301, 45350), (308, 45335), (310, 45329), (326, 45275), (330, 45266), (386, 45038), (394, 45002),

Gene: Manad_52 Start: 46915, Stop: 45212, Start Num: 73
Candidate Starts for Manad_52:
(12, 47248), (14, 47221), (Start: 73 @46915 has 70 MA's), (Start: 87 @46891 has 14 MA's), (Start: 92 @46834 has 1 MA's), (Start: 94 @46825 has 2 MA's), (109, 46735), (113, 46702), (126, 46645), (128, 46633), (133, 46609), (136, 46597), (137, 46588), (149, 46528), (160, 46438), (166, 46393), (173, 46333), (189, 46231), (192, 46210), (215, 46078), (225, 46009), (227, 46003), (229, 45976), (231, 45961), (236, 45919), (241, 45871), (245, 45841), (251, 45814), (285, 45688), (287, 45682), (291, 45655), (300, 45613), (301, 45610), (308, 45595), (310, 45589), (326, 45535), (330, 45526), (386, 45298), (394, 45262),

Gene: Mariokart_46 Start: 40264, Stop: 38594, Start Num: 71
Candidate Starts for Mariokart_46:
(Start: 71 @40264 has 1 MA's), (Start: 72 @40261 has 21 MA's), (91, 40198), (97, 40156), (109, 40075), (110, 40072), (113, 40042), (114, 40030), (126, 39985), (145, 39886), (156, 39796), (160, 39775), (173, 39676), (178, 39655), (183, 39622), (189, 39574), (193, 39550), (197, 39514), (202, 39478), (226, 39349), (227, 39346), (229, 39319), (231, 39304), (236, 39262), (241, 39214), (245, 39184), (255, 39136), (277, 39067), (280, 39058), (308, 38941), (326, 38902), (348, 38836), (352,

38830), (365, 38779), (371, 38752), (380, 38707), (386, 38671),

Gene: Marley1013_52 Start: 47893, Stop: 46385, Start Num: 108
Candidate Starts for Marley1013_52:
(Start: 70 @48091 has 42 MA's), (Start: 108 @47893 has 1 MA's), (113, 47857), (126, 47800), (137, 47743), (145, 47701), (147, 47695), (152, 47638), (157, 47611), (160, 47593), (173, 47488), (187, 47398), (189, 47386), (192, 47365), (199, 47320), (210, 47257), (222, 47173), (226, 47158), (227, 47155), (228, 47152), (229, 47128), (232, 47110), (236, 47071), (241, 47023), (245, 46993), (250, 46969), (257, 46927), (283, 46849), (289, 46822), (298, 46771), (308, 46747), (339, 46660), (356, 46618), (377, 46513), (381, 46498), (386, 46471), (389, 46456), (403, 46402),

Gene: Marlia_53 Start: 47601, Stop: 45904, Start Num: 70
Candidate Starts for Marlia_53:
(Start: 70 @47601 has 42 MA's), (Start: 108 @47403 has 1 MA's), (113, 47367), (126, 47310), (137, 47253), (145, 47211), (147, 47205), (152, 47148), (157, 47121), (160, 47103), (173, 46998), (187, 46908), (189, 46896), (192, 46875), (199, 46830), (210, 46767), (222, 46683), (226, 46668), (227, 46665), (228, 46662), (229, 46638), (232, 46620), (236, 46581), (241, 46533), (245, 46503), (250, 46479), (257, 46437), (283, 46359), (289, 46332), (298, 46281), (308, 46257), (326, 46209), (339, 46170), (356, 46128), (377, 46023), (386, 45981), (389, 45966),

Gene: Maru_51 Start: 46598, Stop: 44895, Start Num: 74
Candidate Starts for Maru_51:
(Start: 40 @46691 has 128 MA's), (Start: 74 @46598 has 130 MA's), (Start: 87 @46574 has 14 MA's), (Start: 92 @46517 has 1 MA's), (Start: 94 @46508 has 2 MA's), (109, 46418), (113, 46385), (126, 46328), (128, 46316), (133, 46292), (136, 46280), (137, 46271), (149, 46211), (160, 46121), (166, 46076), (173, 46016), (183, 45962), (189, 45914), (192, 45893), (215, 45761), (225, 45692), (227, 45686), (229, 45659), (231, 45644), (236, 45602), (241, 45554), (245, 45524), (251, 45497), (285, 45371), (287, 45365), (291, 45338), (301, 45293), (308, 45278), (310, 45272), (326, 45218), (330, 45209), (386, 44981), (394, 44945),

Gene: Maskar_52 Start: 46729, Stop: 44933, Start Num: 40
Candidate Starts for Maskar_52:
(Start: 40 @46729 has 128 MA's), (Start: 74 @46636 has 130 MA's), (Start: 87 @46612 has 14 MA's), (Start: 92 @46555 has 1 MA's), (Start: 94 @46546 has 2 MA's), (109, 46456), (113, 46423), (126, 46366), (128, 46354), (133, 46330), (136, 46318), (137, 46309), (149, 46249), (160, 46159), (166, 46114), (173, 46054), (183, 46000), (189, 45952), (192, 45931), (215, 45799), (225, 45730), (227, 45724), (229, 45697), (231, 45682), (236, 45640), (241, 45592), (245, 45562), (251, 45535), (285, 45409), (287, 45403), (291, 45376), (301, 45331), (308, 45316), (310, 45310), (326, 45256), (330, 45247), (386, 45019), (394, 44983),

Gene: MasterPo_51 Start: 46584, Stop: 44869, Start Num: 76
Candidate Starts for MasterPo_51:
(9, 47013), (11, 46977), (13, 46905), (15, 46890), (19, 46839), (Start: 76 @46584 has 36 MA's), (Start: 82 @46572 has 2 MA's), (107, 46401), (Start: 108 @46398 has 1 MA's), (113, 46362), (114, 46350), (117, 46341), (126, 46305), (127, 46302), (133, 46269), (145, 46206), (160, 46098), (166, 46059), (178, 45978), (183, 45945), (185, 45936), (189, 45897), (192, 45876), (193, 45873), (199, 45831), (201, 45816), (202, 45801), (209, 45771), (215, 45744), (220, 45696), (226, 45672), (227, 45669), (229, 45642), (230, 45630), (232, 45624), (236, 45585), (241, 45537), (245, 45507), (246, 45501), (256, 45456), (270, 45381), (273, 45369), (280, 45342), (281, 45339), (284, 45324), (295, 45258), (308, 45225), (332, 45147), (344, 45117), (345, 45114), (352, 45102), (361, 45063), (377, 44985), (378, 44982), (386, 44943), (401, 44877),

Gene: Matalotodo_52 Start: 46950, Stop: 45247, Start Num: 73

Candidate Starts for Matalotodo_52:
(12, 47283), (14, 47256), (Start: 73 @46950 has 70 MA's), (Start: 87 @46926 has 14 MA's), (Start: 92 @46869 has 1 MA's), (Start: 94 @46860 has 2 MA's), (109, 46770), (113, 46737), (126, 46680), (128, 46668), (133, 46644), (136, 46632), (137, 46623), (149, 46563), (160, 46473), (166, 46428), (173, 46368), (189, 46266), (192, 46245), (215, 46113), (225, 46044), (227, 46038), (229, 46011), (231, 45996), (236, 45954), (241, 45906), (245, 45876), (251, 45849), (285, 45723), (287, 45717), (291, 45690), (300, 45648), (301, 45645), (308, 45630), (310, 45624), (326, 45570), (330, 45561), (386, 45333), (394, 45297),

Gene: Mcshane_51 Start: 46740, Stop: 44944, Start Num: 40
Candidate Starts for Mcshane_51:
(Start: 40 @46740 has 128 MA's), (Start: 74 @46647 has 130 MA's), (Start: 87 @46623 has 14 MA's), (Start: 92 @46566 has 1 MA's), (Start: 94 @46557 has 2 MA's), (109, 46467), (113, 46434), (126, 46377), (128, 46365), (133, 46341), (136, 46329), (137, 46320), (149, 46260), (160, 46170), (166, 46125), (173, 46065), (189, 45963), (192, 45942), (215, 45810), (225, 45741), (227, 45735), (229, 45708), (231, 45693), (236, 45651), (241, 45603), (245, 45573), (251, 45546), (285, 45420), (287, 45414), (291, 45387), (301, 45342), (308, 45327), (310, 45321), (326, 45267), (330, 45258), (386, 45030), (394, 44994),

Gene: Mecca_51 Start: 46653, Stop: 44950, Start Num: 74
Candidate Starts for Mecca_51:
(23, 46836), (24, 46830), (Start: 74 @46653 has 130 MA's), (Start: 87 @46629 has 14 MA's), (Start: 92 @46572 has 1 MA's), (Start: 94 @46563 has 2 MA's), (109, 46473), (113, 46440), (126, 46383), (128, 46371), (133, 46347), (136, 46335), (137, 46326), (149, 46266), (160, 46176), (166, 46131), (173, 46071), (183, 46017), (189, 45969), (192, 45948), (215, 45816), (225, 45747), (227, 45741), (229, 45714), (231, 45699), (236, 45657), (241, 45609), (245, 45579), (251, 45552), (285, 45426), (287, 45420), (291, 45393), (301, 45348), (308, 45333), (310, 45327), (326, 45273), (330, 45264), (386, 45036), (394, 45000),

Gene: Megamind20_52 Start: 46768, Stop: 44972, Start Num: 40
Candidate Starts for Megamind20_52:
(Start: 40 @46768 has 128 MA's), (Start: 74 @46675 has 130 MA's), (Start: 87 @46651 has 14 MA's), (Start: 92 @46594 has 1 MA's), (Start: 94 @46585 has 2 MA's), (109, 46495), (113, 46462), (126, 46405), (128, 46393), (133, 46369), (136, 46357), (137, 46348), (149, 46288), (160, 46198), (166, 46153), (173, 46093), (189, 45991), (192, 45970), (215, 45838), (225, 45769), (227, 45763), (229, 45736), (231, 45721), (236, 45679), (241, 45631), (245, 45601), (251, 45574), (285, 45448), (287, 45442), (291, 45415), (300, 45373), (301, 45370), (308, 45355), (310, 45349), (326, 45295), (330, 45286), (386, 45058), (394, 45022),

Gene: Megatron_53 Start: 47176, Stop: 45380, Start Num: 40
Candidate Starts for Megatron_53:
(Start: 40 @47176 has 128 MA's), (Start: 74 @47083 has 130 MA's), (Start: 87 @47059 has 14 MA's), (Start: 92 @47002 has 1 MA's), (Start: 94 @46993 has 2 MA's), (109, 46903), (113, 46870), (126, 46813), (128, 46801), (133, 46777), (136, 46765), (137, 46756), (149, 46696), (160, 46606), (166, 46561), (173, 46501), (189, 46399), (192, 46378), (215, 46246), (225, 46177), (227, 46171), (229, 46144), (231, 46129), (236, 46087), (241, 46039), (245, 46009), (251, 45982), (285, 45856), (287, 45850), (291, 45823), (300, 45781), (301, 45778), (308, 45763), (310, 45757), (326, 45703), (330, 45694), (386, 45466), (394, 45430),

Gene: Melc17_52 Start: 47050, Stop: 45242, Start Num: 40
Candidate Starts for Melc17_52:
(Start: 40 @47050 has 128 MA's), (Start: 74 @46945 has 130 MA's), (Start: 87 @46921 has 14 MA's), (Start: 92 @46864 has 1 MA's), (Start: 94 @46855 has 2 MA's), (109, 46765), (113, 46732), (126,

46675), (128, 46663), (133, 46639), (136, 46627), (137, 46618), (149, 46558), (160, 46468), (166, 46423), (173, 46363), (183, 46309), (189, 46261), (192, 46240), (215, 46108), (225, 46039), (227, 46033), (229, 46006), (231, 45991), (236, 45949), (241, 45901), (245, 45871), (251, 45844), (285, 45718), (287, 45712), (291, 45685), (301, 45640), (308, 45625), (310, 45619), (326, 45565), (330, 45556), (386, 45328), (394, 45292),

Gene: MelsMeow_52 Start: 46782, Stop: 44986, Start Num: 40
Candidate Starts for MelsMeow_52:
(Start: 40 @46782 has 128 MA's), (Start: 74 @46689 has 130 MA's), (Start: 87 @46665 has 14 MA's), (Start: 92 @46608 has 1 MA's), (Start: 94 @46599 has 2 MA's), (109, 46509), (113, 46476), (126, 46419), (128, 46407), (133, 46383), (136, 46371), (137, 46362), (149, 46302), (160, 46212), (166, 46167), (173, 46107), (183, 46053), (189, 46005), (192, 45984), (215, 45852), (225, 45783), (227, 45777), (229, 45750), (231, 45735), (236, 45693), (241, 45645), (245, 45615), (251, 45588), (285, 45462), (287, 45456), (291, 45429), (301, 45384), (308, 45369), (310, 45363), (326, 45309), (330, 45300), (386, 45072), (394, 45036),

Gene: Mesh1_53 Start: 47190, Stop: 45487, Start Num: 73
Candidate Starts for Mesh1_53:
(Start: 73 @47190 has 70 MA's), (Start: 87 @47166 has 14 MA's), (Start: 92 @47109 has 1 MA's), (Start: 94 @47100 has 2 MA's), (109, 47010), (113, 46977), (126, 46920), (128, 46908), (133, 46884), (136, 46872), (137, 46863), (149, 46803), (160, 46713), (166, 46668), (173, 46608), (183, 46554), (189, 46506), (192, 46485), (215, 46353), (225, 46284), (227, 46278), (229, 46251), (231, 46236), (236, 46194), (241, 46146), (245, 46116), (251, 46089), (285, 45963), (287, 45957), (291, 45930), (300, 45888), (301, 45885), (308, 45870), (310, 45864), (326, 45810), (330, 45801), (386, 45573), (394, 45537),

Gene: Mesmerelda_51 Start: 46750, Stop: 44954, Start Num: 40
Candidate Starts for Mesmerelda_51:
(Start: 40 @46750 has 128 MA's), (Start: 74 @46657 has 130 MA's), (Start: 87 @46633 has 14 MA's), (Start: 92 @46576 has 1 MA's), (Start: 94 @46567 has 2 MA's), (109, 46477), (113, 46444), (126, 46387), (128, 46375), (133, 46351), (136, 46339), (137, 46330), (149, 46270), (160, 46180), (166, 46135), (173, 46075), (189, 45973), (192, 45952), (215, 45820), (225, 45751), (227, 45745), (229, 45718), (231, 45703), (236, 45661), (241, 45613), (245, 45583), (251, 45556), (285, 45430), (287, 45424), (291, 45397), (300, 45355), (301, 45352), (308, 45337), (310, 45331), (326, 45277), (330, 45268), (386, 45040), (394, 45004),

Gene: MichaelPhcott_51 Start: 46660, Stop: 44864, Start Num: 40
Candidate Starts for MichaelPhcott_51:
(Start: 40 @46660 has 128 MA's), (Start: 74 @46567 has 130 MA's), (Start: 87 @46543 has 14 MA's), (Start: 92 @46486 has 1 MA's), (Start: 94 @46477 has 2 MA's), (109, 46387), (113, 46354), (126, 46297), (128, 46285), (133, 46261), (136, 46249), (137, 46240), (149, 46180), (160, 46090), (166, 46045), (173, 45985), (183, 45931), (189, 45883), (192, 45862), (215, 45730), (225, 45661), (227, 45655), (229, 45628), (231, 45613), (236, 45571), (241, 45523), (245, 45493), (251, 45466), (285, 45340), (287, 45334), (291, 45307), (301, 45262), (308, 45247), (310, 45241), (326, 45187), (330, 45178), (386, 44950), (394, 44914),

Gene: Mikota_52 Start: 46933, Stop: 45230, Start Num: 73
Candidate Starts for Mikota_52:
(Start: 73 @46933 has 70 MA's), (Start: 87 @46909 has 14 MA's), (Start: 92 @46852 has 1 MA's), (Start: 94 @46843 has 2 MA's), (109, 46753), (113, 46720), (126, 46663), (128, 46651), (133, 46627), (136, 46615), (137, 46606), (149, 46546), (160, 46456), (166, 46411), (173, 46351), (189, 46249), (192, 46228), (215, 46096), (225, 46027), (227, 46021), (229, 45994), (231, 45979), (236, 45937), (241, 45889), (245, 45859), (251, 45832), (285, 45706), (287, 45700), (291, 45673), (301, 45628),

(308, 45613), (310, 45607), (326, 45553), (330, 45544), (386, 45316), (394, 45280),

Gene: MiniBoss_52 Start: 46939, Stop: 45236, Start Num: 73
Candidate Starts for MiniBoss_52:
(Start: 73 @46939 has 70 MA's), (Start: 87 @46915 has 14 MA's), (Start: 92 @46858 has 1 MA's), (Start: 94 @46849 has 2 MA's), (109, 46759), (113, 46726), (126, 46669), (128, 46657), (133, 46633), (136, 46621), (137, 46612), (149, 46552), (160, 46462), (166, 46417), (173, 46357), (189, 46255), (192, 46234), (215, 46102), (225, 46033), (227, 46027), (229, 46000), (231, 45985), (236, 45943), (241, 45895), (245, 45865), (251, 45838), (285, 45712), (287, 45706), (291, 45679), (301, 45634), (308, 45619), (310, 45613), (326, 45559), (330, 45550), (386, 45322), (394, 45286),

Gene: Minnow_47 Start: 45526, Stop: 43778, Start Num: 74
Candidate Starts for Minnow_47:
(Start: 74 @45526 has 130 MA's), (96, 45424), (100, 45391), (113, 45307), (133, 45214), (137, 45193), (156, 45064), (160, 45043), (161, 45022), (171, 44956), (183, 44890), (185, 44881), (188, 44845), (189, 44842), (192, 44821), (213, 44701), (215, 44689), (219, 44665), (224, 44626), (227, 44614), (229, 44587), (230, 44575), (236, 44530), (237, 44527), (241, 44482), (245, 44452), (256, 44401), (263, 44353), (268, 44323), (286, 44248), (293, 44209), (295, 44191), (300, 44173), (306, 44161), (308, 44158), (317, 44131), (323, 44104), (335, 44059), (340, 44050), (352, 44008), (362, 43966), (386, 43852),

Gene: Miryou_68 Start: 48475, Stop: 50184, Start Num: 79
Candidate Starts for Miryou_68:
(Start: 79 @48475 has 26 MA's), (97, 48568), (Start: 108 @48646 has 1 MA's), (109, 48649), (112, 48673), (113, 48682), (122, 48721), (126, 48739), (137, 48796), (142, 48823), (143, 48826), (151, 48889), (160, 48949), (164, 48979), (166, 48988), (176, 49063), (177, 49066), (184, 49108), (185, 49111), (188, 49147), (189, 49150), (197, 49216), (198, 49219), (199, 49222), (201, 49237), (202, 49252), (205, 49267), (213, 49297), (215, 49309), (229, 49411), (230, 49423), (231, 49426), (232, 49429), (234, 49450), (236, 49468), (240, 49513), (241, 49516), (248, 49555), (252, 49576), (284, 49705), (295, 49774), (296, 49777), (306, 49810), (308, 49813), (309, 49816), (325, 49879), (327, 49888), (330, 49894), (334, 49918), (347, 49951), (361, 50014), (366, 50035), (370, 50050), (373, 50077), (374, 50086), (379, 50101),

Gene: Mischief19_63 Start: 55349, Stop: 57295, Start Num: 67
Candidate Starts for Mischief19_63:
(17, 55088), (20, 55130), (31, 55199), (39, 55244), (41, 55247), (63, 55304), (Start: 67 @55349 has 1 MA's), (101, 55529), (116, 55631), (120, 55646), (136, 55718), (145, 55769), (151, 55820), (162, 55925), (166, 55946), (173, 56006), (180, 56033), (184, 56063), (199, 56198), (200, 56204), (203, 56231), (215, 56285), (226, 56357), (227, 56360), (233, 56420), (253, 56561), (324, 56924), (350, 57020), (384, 57185), (391, 57224),

Gene: MitKao_52 Start: 46665, Stop: 44962, Start Num: 74
Candidate Starts for MitKao_52:
(Start: 74 @46665 has 130 MA's), (Start: 87 @46641 has 14 MA's), (Start: 92 @46584 has 1 MA's), (Start: 94 @46575 has 2 MA's), (109, 46485), (113, 46452), (126, 46395), (128, 46383), (133, 46359), (136, 46347), (137, 46338), (149, 46278), (160, 46188), (166, 46143), (173, 46083), (189, 45981), (192, 45960), (215, 45828), (225, 45759), (227, 45753), (229, 45726), (231, 45711), (236, 45669), (241, 45621), (245, 45591), (251, 45564), (285, 45438), (287, 45432), (291, 45405), (300, 45363), (301, 45360), (308, 45345), (310, 45339), (326, 45285), (330, 45276), (386, 45048), (394, 45012),

Gene: Mithril_47 Start: 47427, Stop: 45718, Start Num: 74
Candidate Starts for Mithril_47:

(Start: 74 @47427 has 130 MA's), (107, 47244), (113, 47205), (117, 47184), (133, 47115), (149, 47034), (156, 46965), (160, 46944), (173, 46845), (178, 46824), (183, 46791), (185, 46782), (189, 46743), (193, 46719), (211, 46608), (213, 46602), (215, 46590), (225, 46521), (227, 46515), (229, 46488), (230, 46476), (231, 46473), (236, 46431), (241, 46383), (245, 46353), (248, 46338), (256, 46302), (281, 46221), (284, 46206), (285, 46200), (286, 46197), (292, 46164), (293, 46158), (294, 46149), (300, 46122), (306, 46107), (308, 46104), (312, 46095), (317, 46077), (323, 46050), (330, 46029), (359, 45918), (383, 45810), (386, 45795), (395, 45756),

Gene: MmasiCarm_53 Start: 47647, Stop: 45950, Start Num: 70
Candidate Starts for MmasiCarm_53:
(Start: 70 @47647 has 42 MA's), (Start: 108 @47449 has 1 MA's), (113, 47413), (126, 47356), (137, 47299), (145, 47257), (147, 47251), (152, 47194), (157, 47167), (160, 47149), (173, 47044), (176, 47029), (187, 46954), (189, 46942), (192, 46921), (199, 46876), (210, 46813), (222, 46729), (226, 46714), (227, 46711), (228, 46708), (229, 46684), (232, 46666), (236, 46627), (241, 46579), (245, 46549), (250, 46525), (257, 46483), (283, 46405), (289, 46378), (295, 46336), (298, 46327), (308, 46303), (339, 46216), (356, 46174), (377, 46069), (386, 46027), (389, 46012),

Gene: Morgushi_52 Start: 46654, Stop: 44951, Start Num: 74
Candidate Starts for Morgushi_52:
(Start: 74 @46654 has 130 MA's), (Start: 87 @46630 has 14 MA's), (Start: 92 @46573 has 1 MA's), (Start: 94 @46564 has 2 MA's), (109, 46474), (113, 46441), (126, 46384), (128, 46372), (133, 46348), (136, 46336), (137, 46327), (149, 46267), (160, 46177), (166, 46132), (173, 46072), (183, 46018), (189, 45970), (192, 45949), (215, 45817), (225, 45748), (227, 45742), (229, 45715), (231, 45700), (236, 45658), (241, 45610), (245, 45580), (251, 45553), (285, 45427), (287, 45421), (291, 45394), (300, 45352), (301, 45349), (308, 45334), (310, 45328), (326, 45274), (330, 45265), (386, 45037), (394, 45001),

Gene: Morrissey_35 Start: 28363, Stop: 26723, Start Num: 81
Candidate Starts for Morrissey_35:
(Start: 81 @28363 has 7 MA's), (89, 28321), (90, 28318), (97, 28267), (109, 28186), (113, 28153), (117, 28132), (133, 28066), (137, 28045), (140, 28027), (142, 28018), (145, 28003), (148, 27994), (160, 27892), (168, 27847), (178, 27778), (180, 27772), (185, 27736), (187, 27709), (189, 27697), (191, 27685), (193, 27673), (195, 27661), (197, 27637), (207, 27580), (223, 27484), (231, 27427), (232, 27424), (236, 27385), (245, 27307), (247, 27298), (248, 27292), (261, 27235), (273, 27199), (289, 27136), (293, 27112), (308, 27064), (328, 27010), (372, 26857), (385, 26788), (386, 26785), (399, 26731),

Gene: Mortcellus_52 Start: 48254, Stop: 46557, Start Num: 70
Candidate Starts for Mortcellus_52:
(Start: 70 @48254 has 42 MA's), (Start: 108 @48056 has 1 MA's), (113, 48020), (126, 47963), (137, 47906), (145, 47864), (147, 47858), (152, 47801), (157, 47774), (160, 47756), (173, 47651), (187, 47561), (189, 47549), (192, 47528), (199, 47483), (210, 47420), (222, 47336), (226, 47321), (227, 47318), (228, 47315), (229, 47291), (232, 47273), (236, 47234), (241, 47186), (245, 47156), (250, 47132), (257, 47090), (283, 47012), (289, 46985), (298, 46934), (308, 46910), (326, 46862), (339, 46823), (356, 46781), (377, 46676), (386, 46634), (389, 46619),

Gene: Morty_53 Start: 47185, Stop: 45389, Start Num: 40
Candidate Starts for Morty_53:
(Start: 40 @47185 has 128 MA's), (Start: 74 @47092 has 130 MA's), (Start: 87 @47068 has 14 MA's), (Start: 92 @47011 has 1 MA's), (Start: 94 @47002 has 2 MA's), (109, 46912), (113, 46879), (126, 46822), (128, 46810), (133, 46786), (136, 46774), (137, 46765), (149, 46705), (160, 46615), (166, 46570), (173, 46510), (183, 46456), (189, 46408), (192, 46387), (215, 46255), (225, 46186), (227, 46180), (229, 46153), (231, 46138), (236, 46096), (241, 46048), (245, 46018), (251, 45991), (285,

45865), (287, 45859), (291, 45832), (300, 45790), (301, 45787), (308, 45772), (310, 45766), (326, 45712), (330, 45703), (386, 45475), (394, 45439),

Gene: Morty007_52 Start: 48091, Stop: 46385, Start Num: 70
Candidate Starts for Morty007_52:
(Start: 70 @48091 has 42 MA's), (Start: 108 @47893 has 1 MA's), (113, 47857), (126, 47800), (137, 47743), (145, 47701), (147, 47695), (152, 47638), (157, 47611), (160, 47593), (173, 47488), (187, 47398), (189, 47386), (192, 47365), (199, 47320), (210, 47257), (222, 47173), (226, 47158), (227, 47155), (228, 47152), (229, 47128), (232, 47110), (236, 47071), (241, 47023), (245, 46993), (250, 46969), (257, 46927), (283, 46849), (289, 46822), (298, 46771), (308, 46747), (339, 46660), (356, 46618), (377, 46513), (381, 46498), (386, 46471), (389, 46456), (403, 46402),

Gene: Mosaic_51 Start: 46659, Stop: 44956, Start Num: 74
Candidate Starts for Mosaic_51:
(Start: 74 @46659 has 130 MA's), (Start: 87 @46635 has 14 MA's), (Start: 92 @46578 has 1 MA's), (Start: 94 @46569 has 2 MA's), (109, 46479), (113, 46446), (126, 46389), (128, 46377), (133, 46353), (136, 46341), (137, 46332), (149, 46272), (160, 46182), (166, 46137), (173, 46077), (183, 46023), (189, 45975), (192, 45954), (215, 45822), (225, 45753), (227, 45747), (229, 45720), (231, 45705), (236, 45663), (241, 45615), (245, 45585), (251, 45558), (285, 45432), (287, 45426), (291, 45399), (300, 45357), (301, 45354), (308, 45339), (310, 45333), (326, 45279), (330, 45270), (386, 45042), (394, 45006),

Gene: MossRose_48 Start: 41978, Stop: 40311, Start Num: 72
Candidate Starts for MossRose_48:
(Start: 72 @41978 has 21 MA's), (97, 41873), (100, 41843), (Start: 108 @41795 has 1 MA's), (113, 41759), (114, 41747), (156, 41513), (160, 41492), (173, 41390), (188, 41291), (189, 41288), (194, 41255), (213, 41147), (225, 41066), (226, 41063), (227, 41060), (229, 41033), (230, 41021), (231, 41018), (232, 41015), (236, 40976), (245, 40898), (247, 40889), (254, 40856), (279, 40778), (281, 40769), (285, 40748), (286, 40745), (295, 40688), (306, 40658), (308, 40655), (362, 40505), (386, 40388), (401, 40322),

Gene: MrPhizzler_52 Start: 46656, Stop: 44953, Start Num: 74
Candidate Starts for MrPhizzler_52:
(Start: 74 @46656 has 130 MA's), (Start: 87 @46632 has 14 MA's), (Start: 92 @46575 has 1 MA's), (Start: 94 @46566 has 2 MA's), (109, 46476), (113, 46443), (126, 46386), (128, 46374), (133, 46350), (136, 46338), (137, 46329), (149, 46269), (160, 46179), (166, 46134), (173, 46074), (183, 46020), (189, 45972), (192, 45951), (215, 45819), (225, 45750), (227, 45744), (229, 45717), (231, 45702), (236, 45660), (241, 45612), (245, 45582), (251, 45555), (285, 45429), (287, 45423), (291, 45396), (300, 45354), (301, 45351), (308, 45336), (310, 45330), (326, 45276), (330, 45267), (386, 45039), (394, 45003),

Gene: Mudslide_47 Start: 47689, Stop: 45977, Start Num: 74
Candidate Starts for Mudslide_47:
(Start: 74 @47689 has 130 MA's), (107, 47506), (113, 47467), (117, 47446), (133, 47377), (149, 47296), (156, 47227), (160, 47206), (173, 47107), (178, 47086), (183, 47053), (185, 47044), (188, 47008), (189, 47005), (193, 46981), (211, 46870), (213, 46864), (215, 46852), (225, 46783), (227, 46777), (229, 46750), (230, 46738), (231, 46735), (236, 46693), (241, 46645), (245, 46615), (281, 46480), (284, 46465), (285, 46459), (286, 46456), (292, 46423), (293, 46417), (294, 46408), (300, 46381), (306, 46366), (308, 46363), (312, 46354), (317, 46336), (323, 46309), (330, 46288), (359, 46177), (386, 46054), (395, 46015), (398, 46003),

Gene: Mulan_52 Start: 46902, Stop: 45106, Start Num: 40
Candidate Starts for Mulan_52:

(Start: 40 @46902 has 128 MA's), (Start: 74 @46809 has 130 MA's), (Start: 87 @46785 has 14 MA's), (Start: 92 @46728 has 1 MA's), (Start: 94 @46719 has 2 MA's), (109, 46629), (113, 46596), (126, 46539), (128, 46527), (133, 46503), (136, 46491), (137, 46482), (149, 46422), (160, 46332), (166, 46287), (173, 46227), (183, 46173), (189, 46125), (192, 46104), (215, 45972), (225, 45903), (227, 45897), (229, 45870), (231, 45855), (236, 45813), (241, 45765), (245, 45735), (251, 45708), (285, 45582), (287, 45576), (291, 45549), (301, 45504), (308, 45489), (310, 45483), (326, 45429), (330, 45420), (386, 45192), (394, 45156),

Gene: Mulaychimus_53 Start: 47583, Stop: 45886, Start Num: 70
Candidate Starts for Mulaychimus_53:
(Start: 70 @47583 has 42 MA's), (Start: 108 @47385 has 1 MA's), (113, 47349), (126, 47292), (137, 47235), (145, 47193), (147, 47187), (152, 47130), (157, 47103), (160, 47085), (173, 46980), (187, 46890), (189, 46878), (192, 46857), (199, 46812), (210, 46749), (222, 46665), (226, 46650), (227, 46647), (228, 46644), (229, 46620), (232, 46602), (236, 46563), (241, 46515), (245, 46485), (250, 46461), (257, 46419), (283, 46341), (289, 46314), (298, 46263), (308, 46239), (326, 46191), (339, 46152), (356, 46110), (377, 46005), (386, 45963), (389, 45948),

Gene: Murdoc_52 Start: 46940, Stop: 45237, Start Num: 73
Candidate Starts for Murdoc_52:
(12, 47273), (14, 47246), (Start: 73 @46940 has 70 MA's), (Start: 87 @46916 has 14 MA's), (Start: 92 @46859 has 1 MA's), (Start: 94 @46850 has 2 MA's), (109, 46760), (113, 46727), (126, 46670), (128, 46658), (133, 46634), (136, 46622), (137, 46613), (149, 46553), (160, 46463), (166, 46418), (173, 46358), (183, 46304), (189, 46256), (192, 46235), (215, 46103), (225, 46034), (227, 46028), (229, 46001), (231, 45986), (236, 45944), (241, 45896), (245, 45866), (251, 45839), (285, 45713), (287, 45707), (291, 45680), (301, 45635), (308, 45620), (310, 45614), (326, 45560), (330, 45551), (386, 45323), (394, 45287),

Gene: Mutante_51 Start: 46752, Stop: 44956, Start Num: 40
Candidate Starts for Mutante_51:
(Start: 40 @46752 has 128 MA's), (Start: 74 @46659 has 130 MA's), (Start: 87 @46635 has 14 MA's), (Start: 92 @46578 has 1 MA's), (Start: 94 @46569 has 2 MA's), (109, 46479), (113, 46446), (126, 46389), (128, 46377), (133, 46353), (136, 46341), (137, 46332), (149, 46272), (160, 46182), (166, 46137), (173, 46077), (183, 46023), (189, 45975), (192, 45954), (215, 45822), (225, 45753), (227, 45747), (229, 45720), (231, 45705), (236, 45663), (241, 45615), (245, 45585), (251, 45558), (285, 45432), (287, 45426), (291, 45399), (301, 45354), (308, 45339), (310, 45333), (326, 45279), (330, 45270), (386, 45042), (394, 45006),

Gene: Mysterious_50 Start: 47964, Stop: 46270, Start Num: 74
Candidate Starts for Mysterious_50:
(Start: 74 @47964 has 130 MA's), (96, 47865), (Start: 108 @47784 has 1 MA's), (113, 47748), (126, 47694), (133, 47658), (145, 47595), (149, 47577), (156, 47508), (160, 47487), (183, 47334), (188, 47289), (189, 47286), (193, 47262), (218, 47115), (224, 47070), (225, 47064), (227, 47058), (229, 47031), (230, 47019), (231, 47016), (236, 46974), (237, 46971), (241, 46926), (245, 46896), (256, 46845), (275, 46779), (276, 46776), (281, 46764), (285, 46743), (286, 46740), (293, 46701), (295, 46683), (300, 46665), (308, 46647), (310, 46641), (316, 46623), (356, 46488), (368, 46446), (383, 46365), (386, 46350), (398, 46299), (402, 46284),

Gene: NHagos_47 Start: 41016, Stop: 39343, Start Num: 78
Candidate Starts for NHagos_47:
(Start: 78 @41016 has 1 MA's), (96, 40917), (97, 40914), (100, 40884), (Start: 108 @40836 has 1 MA's), (113, 40800), (114, 40788), (145, 40644), (156, 40554), (160, 40533), (183, 40377), (189, 40329), (193, 40305), (194, 40296), (202, 40233), (213, 40188), (225, 40107), (226, 40104), (227, 40101), (229, 40074), (230, 40062), (236, 40017), (241, 39969), (245, 39939), (254, 39897), (285,

39789), (286, 39786), (306, 39699), (308, 39696), (352, 39573), (361, 39534), (386, 39414),

Gene: Nacho_0053 Start: 47179, Stop: 45383, Start Num: 40
Candidate Starts for Nacho_0053:
(Start: 40 @47179 has 128 MA's), (Start: 74 @47086 has 130 MA's), (Start: 87 @47062 has 14 MA's), (Start: 92 @47005 has 1 MA's), (Start: 94 @46996 has 2 MA's), (109, 46906), (113, 46873), (126, 46816), (128, 46804), (133, 46780), (136, 46768), (137, 46759), (149, 46699), (160, 46609), (166, 46564), (173, 46504), (183, 46450), (189, 46402), (192, 46381), (215, 46249), (225, 46180), (227, 46174), (229, 46147), (231, 46132), (236, 46090), (241, 46042), (245, 46012), (251, 45985), (285, 45859), (287, 45853), (291, 45826), (301, 45781), (308, 45766), (310, 45760), (326, 45706), (330, 45697), (386, 45469), (394, 45433),

Gene: Nanao_46 Start: 46392, Stop: 44677, Start Num: 74
Candidate Starts for Nanao_46:
(Start: 74 @46392 has 130 MA's), (110, 46200), (113, 46170), (117, 46149), (126, 46113), (133, 46077), (135, 46068), (156, 45927), (160, 45906), (161, 45885), (173, 45807), (178, 45786), (183, 45753), (185, 45744), (188, 45708), (189, 45705), (193, 45681), (213, 45564), (215, 45552), (219, 45528), (225, 45483), (227, 45477), (229, 45450), (230, 45438), (231, 45435), (236, 45393), (241, 45345), (245, 45315), (256, 45264), (270, 45216), (281, 45180), (285, 45159), (286, 45156), (293, 45117), (300, 45081), (306, 45066), (308, 45063), (312, 45054), (317, 45036), (323, 45009), (330, 44988), (359, 44877), (386, 44754),

Gene: Nangang_52 Start: 48195, Stop: 46501, Start Num: 74
Candidate Starts for Nangang_52:
(Start: 74 @48195 has 130 MA's), (Start: 87 @48168 has 14 MA's), (96, 48096), (113, 47979), (133, 47889), (136, 47877), (145, 47826), (149, 47808), (156, 47739), (160, 47718), (172, 47622), (178, 47598), (183, 47565), (189, 47517), (192, 47496), (213, 47376), (219, 47340), (224, 47301), (225, 47295), (227, 47289), (229, 47262), (230, 47250), (231, 47247), (236, 47205), (245, 47127), (276, 47004), (281, 46992), (285, 46971), (286, 46968), (293, 46929), (295, 46911), (300, 46893), (308, 46875), (368, 46674), (386, 46578),

Gene: Nathan_52 Start: 47074, Stop: 45278, Start Num: 40
Candidate Starts for Nathan_52:
(Start: 40 @47074 has 128 MA's), (Start: 74 @46981 has 130 MA's), (Start: 87 @46957 has 14 MA's), (Start: 92 @46900 has 1 MA's), (Start: 94 @46891 has 2 MA's), (109, 46801), (113, 46768), (126, 46711), (128, 46699), (133, 46675), (136, 46663), (137, 46654), (149, 46594), (160, 46504), (166, 46459), (173, 46399), (183, 46345), (189, 46297), (192, 46276), (215, 46144), (225, 46075), (227, 46069), (229, 46042), (231, 46027), (236, 45985), (241, 45937), (245, 45907), (251, 45880), (285, 45754), (287, 45748), (291, 45721), (301, 45676), (308, 45661), (310, 45655), (326, 45601), (330, 45592), (386, 45364), (394, 45328),

Gene: Nehemiah_51 Start: 47964, Stop: 46270, Start Num: 74
Candidate Starts for Nehemiah_51:
(Start: 74 @47964 has 130 MA's), (96, 47865), (Start: 108 @47784 has 1 MA's), (113, 47748), (126, 47694), (133, 47658), (145, 47595), (149, 47577), (156, 47508), (160, 47487), (183, 47334), (189, 47286), (193, 47262), (224, 47070), (225, 47064), (227, 47058), (229, 47031), (230, 47019), (231, 47016), (236, 46974), (237, 46971), (241, 46926), (245, 46896), (251, 46869), (256, 46845), (275, 46779), (276, 46776), (281, 46764), (285, 46743), (286, 46740), (293, 46701), (295, 46683), (300, 46665), (308, 46647), (310, 46641), (316, 46623), (356, 46488), (368, 46446), (383, 46365), (386, 46350), (398, 46299), (402, 46284),

Gene: Nehme_51 Start: 46671, Stop: 44992, Start Num: 87
Candidate Starts for Nehme_51:

(Start: 40 @46788 has 128 MA's), (Start: 74 @46695 has 130 MA's), (Start: 87 @46671 has 14 MA's), (Start: 92 @46614 has 1 MA's), (Start: 94 @46605 has 2 MA's), (109, 46515), (113, 46482), (126, 46425), (128, 46413), (133, 46389), (136, 46377), (137, 46368), (149, 46308), (160, 46218), (166, 46173), (173, 46113), (183, 46059), (189, 46011), (192, 45990), (215, 45858), (225, 45789), (227, 45783), (229, 45756), (231, 45741), (236, 45699), (241, 45651), (245, 45621), (251, 45594), (285, 45468), (287, 45462), (291, 45435), (301, 45390), (308, 45375), (310, 45369), (326, 45315), (330, 45306), (386, 45078), (394, 45042),

Gene: Neighly_66 Start: 45263, Stop: 46978, Start Num: 79
Candidate Starts for Neighly_66:
(Start: 79 @45263 has 26 MA's), (97, 45356), (101, 45398), (Start: 108 @45434 has 1 MA's), (109, 45437), (112, 45461), (113, 45470), (122, 45509), (126, 45527), (137, 45584), (142, 45611), (143, 45614), (151, 45677), (160, 45737), (164, 45767), (166, 45776), (176, 45851), (177, 45854), (187, 45926), (188, 45935), (189, 45938), (197, 46004), (198, 46007), (199, 46010), (201, 46025), (202, 46040), (205, 46055), (213, 46085), (215, 46097), (229, 46199), (230, 46211), (231, 46214), (232, 46217), (234, 46238), (236, 46256), (241, 46304), (247, 46337), (252, 46364), (284, 46493), (289, 46517), (295, 46562), (296, 46565), (306, 46598), (315, 46622), (327, 46676), (330, 46682), (334, 46706), (366, 46823), (370, 46838), (373, 46865), (379, 46889),

Gene: Neos5_52 Start: 47952, Stop: 46255, Start Num: 70
Candidate Starts for Neos5_52:
(Start: 70 @47952 has 42 MA's), (Start: 108 @47754 has 1 MA's), (113, 47718), (126, 47661), (137, 47604), (145, 47562), (147, 47556), (152, 47499), (157, 47472), (160, 47454), (173, 47349), (187, 47259), (189, 47247), (192, 47226), (199, 47181), (210, 47118), (222, 47034), (226, 47019), (227, 47016), (228, 47013), (229, 46989), (232, 46971), (236, 46932), (241, 46884), (245, 46854), (250, 46830), (257, 46788), (283, 46710), (289, 46683), (295, 46641), (298, 46632), (308, 46608), (326, 46560), (339, 46521), (356, 46479), (377, 46374), (386, 46332), (389, 46317),

Gene: Newman_52 Start: 46957, Stop: 45254, Start Num: 73
Candidate Starts for Newman_52:
(Start: 73 @46957 has 70 MA's), (Start: 87 @46933 has 14 MA's), (Start: 92 @46876 has 1 MA's), (Start: 94 @46867 has 2 MA's), (109, 46777), (113, 46744), (126, 46687), (128, 46675), (133, 46651), (136, 46639), (137, 46630), (149, 46570), (160, 46480), (166, 46435), (173, 46375), (183, 46321), (189, 46273), (192, 46252), (215, 46120), (225, 46051), (227, 46045), (229, 46018), (231, 46003), (236, 45961), (241, 45913), (245, 45883), (251, 45856), (285, 45730), (287, 45724), (291, 45697), (300, 45655), (301, 45652), (308, 45637), (310, 45631), (326, 45577), (330, 45568), (386, 45340), (394, 45304),

Gene: NiaNia_55 Start: 46769, Stop: 44973, Start Num: 40
Candidate Starts for NiaNia_55:
(Start: 40 @46769 has 128 MA's), (Start: 74 @46676 has 130 MA's), (Start: 87 @46652 has 14 MA's), (Start: 92 @46595 has 1 MA's), (Start: 94 @46586 has 2 MA's), (109, 46496), (113, 46463), (126, 46406), (128, 46394), (133, 46370), (136, 46358), (137, 46349), (149, 46289), (160, 46199), (166, 46154), (173, 46094), (189, 45992), (192, 45971), (215, 45839), (225, 45770), (227, 45764), (229, 45737), (231, 45722), (236, 45680), (241, 45632), (245, 45602), (251, 45575), (285, 45449), (287, 45443), (291, 45416), (300, 45374), (301, 45371), (308, 45356), (310, 45350), (326, 45296), (330, 45287), (386, 45059), (394, 45023),

Gene: Nicole21_52 Start: 47054, Stop: 45258, Start Num: 40
Candidate Starts for Nicole21_52:
(Start: 40 @47054 has 128 MA's), (Start: 74 @46961 has 130 MA's), (Start: 87 @46937 has 14 MA's), (Start: 92 @46880 has 1 MA's), (Start: 94 @46871 has 2 MA's), (109, 46781), (113, 46748), (126, 46691), (128, 46679), (133, 46655), (136, 46643), (137, 46634), (149, 46574), (160, 46484), (166,

46439), (173, 46379), (183, 46325), (189, 46277), (192, 46256), (215, 46124), (225, 46055), (227, 46049), (229, 46022), (231, 46007), (236, 45965), (241, 45917), (245, 45887), (251, 45860), (285, 45734), (287, 45728), (291, 45701), (300, 45659), (301, 45656), (308, 45641), (310, 45635), (326, 45581), (330, 45572), (386, 45344), (394, 45308),

Gene: Nigel_47 Start: 47239, Stop: 45527, Start Num: 74
Candidate Starts for Nigel_47:
(Start: 74 @47239 has 130 MA's), (110, 47047), (113, 47017), (126, 46960), (133, 46924), (135, 46915), (145, 46861), (149, 46843), (156, 46774), (160, 46753), (173, 46654), (178, 46633), (183, 46600), (185, 46591), (188, 46555), (189, 46552), (193, 46528), (211, 46417), (225, 46330), (227, 46324), (229, 46297), (230, 46285), (231, 46282), (236, 46240), (241, 46192), (245, 46162), (256, 46111), (260, 46087), (278, 46036), (280, 46030), (284, 46012), (285, 46006), (286, 46003), (292, 45970), (293, 45964), (294, 45955), (295, 45946), (300, 45928), (306, 45913), (308, 45910), (310, 45904), (317, 45883), (323, 45856), (330, 45835), (359, 45724), (386, 45601),

Gene: Nova1_52 Start: 46572, Stop: 44893, Start Num: 87
Candidate Starts for Nova1_52:
(23, 46782), (24, 46776), (Start: 76 @46596 has 36 MA's), (Start: 87 @46572 has 14 MA's), (Start: 92 @46515 has 1 MA's), (Start: 94 @46506 has 2 MA's), (109, 46416), (113, 46383), (126, 46326), (128, 46314), (133, 46290), (136, 46278), (137, 46269), (149, 46209), (160, 46119), (166, 46074), (173, 46014), (183, 45960), (189, 45912), (192, 45891), (215, 45759), (225, 45690), (227, 45684), (229, 45657), (231, 45642), (236, 45600), (241, 45552), (245, 45522), (251, 45495), (285, 45369), (287, 45363), (291, 45336), (301, 45291), (308, 45276), (310, 45270), (326, 45216), (330, 45207), (386, 44979), (394, 44943),

Gene: Nozo_52 Start: 48018, Stop: 46219, Start Num: 44
Candidate Starts for Nozo_52:
(16, 48204), (18, 48183), (25, 48108), (Start: 44 @48018 has 7 MA's), (53, 47994), (Start: 56 @47988 has 3 MA's), (58, 47985), (Start: 70 @47916 has 42 MA's), (Start: 108 @47718 has 1 MA's), (113, 47682), (126, 47625), (137, 47568), (145, 47526), (147, 47520), (152, 47463), (157, 47436), (160, 47418), (173, 47313), (187, 47223), (189, 47211), (192, 47190), (199, 47145), (210, 47082), (222, 46998), (226, 46983), (227, 46980), (228, 46977), (229, 46953), (232, 46935), (236, 46896), (241, 46848), (245, 46818), (250, 46794), (257, 46752), (283, 46674), (289, 46647), (298, 46596), (308, 46572), (326, 46524), (339, 46485), (356, 46443), (377, 46338), (386, 46296), (389, 46281),

Gene: Numberten_52 Start: 46862, Stop: 45249, Start Num: 94
Candidate Starts for Numberten_52:
(Start: 73 @46952 has 70 MA's), (Start: 87 @46928 has 14 MA's), (Start: 92 @46871 has 1 MA's), (Start: 94 @46862 has 2 MA's), (109, 46772), (113, 46739), (126, 46682), (128, 46670), (133, 46646), (136, 46634), (137, 46625), (149, 46565), (160, 46475), (166, 46430), (173, 46370), (183, 46316), (189, 46268), (192, 46247), (215, 46115), (225, 46046), (227, 46040), (229, 46013), (231, 45998), (236, 45956), (241, 45908), (245, 45878), (251, 45851), (285, 45725), (287, 45719), (291, 45692), (301, 45647), (308, 45632), (310, 45626), (326, 45572), (330, 45563), (386, 45335), (394, 45299),

Gene: Nyala_51 Start: 46744, Stop: 44948, Start Num: 40
Candidate Starts for Nyala_51:
(Start: 40 @46744 has 128 MA's), (Start: 74 @46651 has 130 MA's), (Start: 87 @46627 has 14 MA's), (Start: 92 @46570 has 1 MA's), (Start: 94 @46561 has 2 MA's), (109, 46471), (113, 46438), (126, 46381), (128, 46369), (133, 46345), (136, 46333), (137, 46324), (149, 46264), (160, 46174), (166, 46129), (173, 46069), (189, 45967), (192, 45946), (215, 45814), (225, 45745), (227, 45739), (229, 45712), (231, 45697), (236, 45655), (241, 45607), (245, 45577), (251, 45550), (285, 45424), (287, 45418), (291, 45391), (300, 45349), (301, 45346), (308, 45331), (310, 45325), (326, 45271), (330, 45262), (386, 45034), (394, 44998),

Gene: OSmaximus_53 Start: 47218, Stop: 45422, Start Num: 40
Candidate Starts for OSmaximus_53:
(Start: 40 @47218 has 128 MA's), (Start: 74 @47125 has 130 MA's), (Start: 87 @47101 has 14 MA's), (Start: 92 @47044 has 1 MA's), (Start: 94 @47035 has 2 MA's), (109, 46945), (113, 46912), (126, 46855), (128, 46843), (133, 46819), (136, 46807), (137, 46798), (149, 46738), (160, 46648), (166, 46603), (173, 46543), (183, 46489), (189, 46441), (192, 46420), (215, 46288), (225, 46219), (227, 46213), (229, 46186), (231, 46171), (236, 46129), (241, 46081), (245, 46051), (251, 46024), (285, 45898), (287, 45892), (291, 45865), (301, 45820), (308, 45805), (310, 45799), (326, 45745), (330, 45736), (386, 45508), (394, 45472),

Gene: Obutu_53 Start: 47602, Stop: 45905, Start Num: 70
Candidate Starts for Obutu_53:
(Start: 70 @47602 has 42 MA's), (Start: 108 @47404 has 1 MA's), (113, 47368), (126, 47311), (137, 47254), (145, 47212), (147, 47206), (152, 47149), (157, 47122), (160, 47104), (173, 46999), (187, 46909), (189, 46897), (192, 46876), (199, 46831), (210, 46768), (222, 46684), (226, 46669), (227, 46666), (228, 46663), (229, 46639), (232, 46621), (236, 46582), (241, 46534), (245, 46504), (250, 46480), (257, 46438), (283, 46360), (289, 46333), (298, 46282), (308, 46258), (326, 46210), (339, 46171), (356, 46129), (377, 46024), (386, 45982), (389, 45967),

Gene: OkiRoe_65 Start: 46147, Stop: 47856, Start Num: 79
Candidate Starts for OkiRoe_65:
(Start: 79 @46147 has 26 MA's), (97, 46240), (101, 46282), (Start: 108 @46318 has 1 MA's), (109, 46321), (112, 46345), (113, 46354), (122, 46393), (126, 46411), (137, 46468), (142, 46495), (143, 46498), (151, 46561), (160, 46621), (164, 46651), (166, 46660), (173, 46720), (176, 46735), (177, 46738), (184, 46780), (185, 46783), (188, 46819), (189, 46822), (197, 46888), (198, 46891), (199, 46894), (201, 46909), (202, 46924), (205, 46939), (213, 46969), (215, 46981), (229, 47083), (230, 47095), (231, 47098), (232, 47101), (234, 47122), (236, 47140), (240, 47185), (241, 47188), (248, 47227), (252, 47248), (284, 47377), (295, 47446), (296, 47449), (306, 47482), (308, 47485), (309, 47488), (325, 47551), (327, 47560), (330, 47566), (334, 47590), (347, 47623), (361, 47686), (366, 47707), (370, 47722), (373, 47749), (374, 47758), (379, 47773),

Gene: Olak_51 Start: 46747, Stop: 44951, Start Num: 40
Candidate Starts for Olak_51:
(Start: 40 @46747 has 128 MA's), (Start: 74 @46654 has 130 MA's), (Start: 87 @46630 has 14 MA's), (Start: 92 @46573 has 1 MA's), (Start: 94 @46564 has 2 MA's), (109, 46474), (113, 46441), (126, 46384), (128, 46372), (133, 46348), (136, 46336), (137, 46327), (149, 46267), (160, 46177), (166, 46132), (173, 46072), (189, 45970), (192, 45949), (215, 45817), (225, 45748), (227, 45742), (229, 45715), (231, 45700), (236, 45658), (241, 45610), (245, 45580), (251, 45553), (285, 45427), (287, 45421), (291, 45394), (300, 45352), (301, 45349), (308, 45334), (310, 45328), (326, 45274), (330, 45265), (386, 45037), (394, 45001),

Gene: Oline_51 Start: 46607, Stop: 44811, Start Num: 40
Candidate Starts for Oline_51:
(Start: 40 @46607 has 128 MA's), (Start: 74 @46514 has 130 MA's), (Start: 87 @46490 has 14 MA's), (Start: 92 @46433 has 1 MA's), (Start: 94 @46424 has 2 MA's), (109, 46334), (113, 46301), (126, 46244), (128, 46232), (133, 46208), (136, 46196), (137, 46187), (149, 46127), (160, 46037), (166, 45992), (173, 45932), (183, 45878), (189, 45830), (192, 45809), (215, 45677), (225, 45608), (227, 45602), (229, 45575), (231, 45560), (236, 45518), (241, 45470), (245, 45440), (251, 45413), (285, 45287), (287, 45281), (291, 45254), (301, 45209), (308, 45194), (310, 45188), (326, 45134), (330, 45125), (386, 44897), (394, 44861),

Gene: Olive_52 Start: 46941, Stop: 45238, Start Num: 73

Candidate Starts for Olive_52:
(12, 47253), (14, 47226), (Start: 73 @46941 has 70 MA's), (Start: 87 @46917 has 14 MA's), (Start: 92 @46860 has 1 MA's), (Start: 94 @46851 has 2 MA's), (109, 46761), (113, 46728), (126, 46671), (128, 46659), (133, 46635), (136, 46623), (137, 46614), (149, 46554), (160, 46464), (166, 46419), (173, 46359), (189, 46257), (192, 46236), (215, 46104), (225, 46035), (227, 46029), (229, 46002), (231, 45987), (236, 45945), (241, 45897), (245, 45867), (251, 45840), (285, 45714), (287, 45708), (291, 45681), (300, 45639), (301, 45636), (308, 45621), (310, 45615), (326, 45561), (330, 45552), (386, 45324), (394, 45288),

Gene: OliverWalter_52 Start: 46963, Stop: 45260, Start Num: 73
Candidate Starts for OliverWalter_52:
(Start: 73 @46963 has 70 MA's), (Start: 87 @46939 has 14 MA's), (Start: 92 @46882 has 1 MA's), (Start: 94 @46873 has 2 MA's), (109, 46783), (113, 46750), (126, 46693), (128, 46681), (133, 46657), (136, 46645), (137, 46636), (149, 46576), (160, 46486), (166, 46441), (189, 46279), (192, 46258), (215, 46126), (225, 46057), (227, 46051), (229, 46024), (231, 46009), (236, 45967), (241, 45919), (245, 45889), (251, 45862), (285, 45736), (287, 45730), (291, 45703), (301, 45658), (308, 45643), (310, 45637), (326, 45583), (330, 45574), (386, 45346), (394, 45310),

Gene: Olivio_52 Start: 47462, Stop: 45765, Start Num: 70
Candidate Starts for Olivio_52:
(Start: 70 @47462 has 42 MA's), (Start: 108 @47264 has 1 MA's), (113, 47228), (126, 47171), (137, 47114), (145, 47072), (147, 47066), (152, 47009), (157, 46982), (160, 46964), (173, 46859), (187, 46769), (189, 46757), (192, 46736), (199, 46691), (210, 46628), (222, 46544), (226, 46529), (227, 46526), (228, 46523), (229, 46499), (232, 46481), (236, 46442), (241, 46394), (245, 46364), (250, 46340), (257, 46298), (283, 46220), (289, 46193), (298, 46142), (308, 46118), (339, 46031), (356, 45989), (377, 45884), (386, 45842), (389, 45827),

Gene: Omnicron_68 Start: 46282, Stop: 47976, Start Num: 79
Candidate Starts for Omnicron_68:
(Start: 79 @46282 has 26 MA's), (96, 46372), (97, 46375), (Start: 108 @46453 has 1 MA's), (109, 46456), (112, 46480), (113, 46489), (122, 46528), (126, 46546), (137, 46603), (142, 46630), (143, 46633), (151, 46696), (160, 46756), (164, 46786), (166, 46795), (173, 46855), (177, 46873), (185, 46918), (188, 46954), (189, 46957), (197, 47023), (198, 47026), (199, 47029), (201, 47044), (202, 47059), (213, 47104), (215, 47116), (228, 47194), (229, 47218), (230, 47230), (231, 47233), (232, 47236), (234, 47257), (236, 47275), (241, 47323), (242, 47326), (252, 47383), (273, 47467), (284, 47509), (295, 47578), (296, 47581), (306, 47614), (308, 47617), (309, 47620), (310, 47623), (325, 47683), (327, 47692), (330, 47698), (334, 47722), (347, 47755), (354, 47782), (366, 47839), (370, 47854), (373, 47881), (374, 47890), (376, 47893), (379, 47905), (390, 47953),

Gene: Omniscient_52 Start: 46960, Stop: 45257, Start Num: 74
Candidate Starts for Omniscient_52:
(23, 47143), (24, 47137), (Start: 74 @46960 has 130 MA's), (Start: 87 @46936 has 14 MA's), (Start: 92 @46879 has 1 MA's), (Start: 94 @46870 has 2 MA's), (109, 46780), (113, 46747), (126, 46690), (128, 46678), (133, 46654), (136, 46642), (137, 46633), (149, 46573), (160, 46483), (166, 46438), (173, 46378), (183, 46324), (189, 46276), (192, 46255), (215, 46123), (225, 46054), (227, 46048), (229, 46021), (231, 46006), (236, 45964), (241, 45916), (245, 45886), (251, 45859), (285, 45733), (287, 45727), (291, 45700), (301, 45655), (308, 45640), (310, 45634), (326, 45580), (330, 45571), (386, 45343), (394, 45307),

Gene: OneBrain_53 Start: 46650, Stop: 44947, Start Num: 74
Candidate Starts for OneBrain_53:
(21, 46851), (26, 46815), (28, 46806), (Start: 74 @46650 has 130 MA's), (Start: 87 @46626 has 14 MA's), (Start: 92 @46569 has 1 MA's), (Start: 94 @46560 has 2 MA's), (109, 46470), (113, 46437),

(126, 46380), (128, 46368), (133, 46344), (136, 46332), (137, 46323), (149, 46263), (160, 46173), (166, 46128), (173, 46068), (183, 46014), (189, 45966), (192, 45945), (215, 45813), (225, 45744), (227, 45738), (229, 45711), (231, 45696), (236, 45654), (241, 45606), (245, 45576), (251, 45549), (285, 45423), (287, 45417), (291, 45390), (301, 45345), (308, 45330), (310, 45324), (326, 45270), (330, 45261), (386, 45033), (394, 44997),

Gene: Oosterbaan_52 Start: 46948, Stop: 45245, Start Num: 73
Candidate Starts for Oosterbaan_52:
(Start: 73 @46948 has 70 MA's), (Start: 87 @46924 has 14 MA's), (Start: 92 @46867 has 1 MA's), (Start: 94 @46858 has 2 MA's), (109, 46768), (113, 46735), (126, 46678), (128, 46666), (133, 46642), (136, 46630), (137, 46621), (149, 46561), (160, 46471), (166, 46426), (173, 46366), (189, 46264), (192, 46243), (215, 46111), (225, 46042), (227, 46036), (229, 46009), (231, 45994), (236, 45952), (241, 45904), (245, 45874), (251, 45847), (285, 45721), (287, 45715), (291, 45688), (300, 45646), (301, 45643), (308, 45628), (310, 45622), (326, 45568), (330, 45559), (386, 45331), (394, 45295),

Gene: Opia_51 Start: 46578, Stop: 44863, Start Num: 76
Candidate Starts for Opia_51:
(9, 47007), (11, 46971), (13, 46899), (15, 46884), (19, 46833), (Start: 76 @46578 has 36 MA's), (Start: 82 @46566 has 2 MA's), (107, 46395), (Start: 108 @46392 has 1 MA's), (113, 46356), (114, 46344), (117, 46335), (126, 46299), (127, 46296), (133, 46263), (145, 46200), (160, 46092), (166, 46053), (178, 45972), (183, 45939), (185, 45930), (189, 45891), (192, 45870), (193, 45867), (199, 45825), (201, 45810), (202, 45795), (209, 45765), (215, 45738), (220, 45690), (226, 45666), (227, 45663), (229, 45636), (230, 45624), (232, 45618), (236, 45579), (241, 45531), (245, 45501), (246, 45495), (256, 45450), (270, 45375), (273, 45363), (280, 45336), (281, 45333), (284, 45318), (295, 45252), (308, 45219), (332, 45141), (344, 45111), (345, 45108), (352, 45096), (361, 45057), (377, 44979), (386, 44937), (401, 44871),

Gene: OrangeOswald_52 Start: 47259, Stop: 45460, Start Num: 44
Candidate Starts for OrangeOswald_52:
(16, 47445), (18, 47424), (25, 47349), (Start: 44 @47259 has 7 MA's), (53, 47235), (Start: 56 @47229 has 3 MA's), (58, 47226), (Start: 70 @47157 has 42 MA's), (Start: 108 @46959 has 1 MA's), (113, 46923), (126, 46866), (137, 46809), (145, 46767), (147, 46761), (152, 46704), (157, 46677), (160, 46659), (173, 46554), (187, 46464), (189, 46452), (192, 46431), (199, 46386), (210, 46323), (222, 46239), (226, 46224), (227, 46221), (228, 46218), (229, 46194), (232, 46176), (236, 46137), (241, 46089), (245, 46059), (250, 46035), (257, 45993), (283, 45915), (289, 45888), (298, 45837), (308, 45813), (326, 45765), (339, 45726), (356, 45684), (377, 45579), (386, 45537), (389, 45522),

Gene: Orfeu_51 Start: 46740, Stop: 44944, Start Num: 40
Candidate Starts for Orfeu_51:
(Start: 40 @46740 has 128 MA's), (Start: 74 @46647 has 130 MA's), (Start: 87 @46623 has 14 MA's), (Start: 92 @46566 has 1 MA's), (Start: 94 @46557 has 2 MA's), (109, 46467), (113, 46434), (126, 46377), (128, 46365), (133, 46341), (136, 46329), (137, 46320), (149, 46260), (160, 46170), (166, 46125), (173, 46065), (189, 45963), (192, 45942), (215, 45810), (225, 45741), (227, 45735), (229, 45708), (231, 45693), (236, 45651), (241, 45603), (245, 45573), (251, 45546), (285, 45420), (287, 45414), (291, 45387), (300, 45345), (301, 45342), (308, 45327), (310, 45321), (326, 45267), (330, 45258), (386, 45030), (394, 44994),

Gene: Orion_53 Start: 47081, Stop: 45378, Start Num: 74
Candidate Starts for Orion_53:
(Start: 40 @47174 has 128 MA's), (Start: 74 @47081 has 130 MA's), (Start: 87 @47057 has 14 MA's), (Start: 92 @47000 has 1 MA's), (Start: 94 @46991 has 2 MA's), (109, 46901), (113, 46868), (126, 46811), (128, 46799), (133, 46775), (136, 46763), (137, 46754), (149, 46694), (160, 46604), (166, 46559), (173, 46499), (189, 46397), (192, 46376), (215, 46244), (225, 46175), (227, 46169), (229,

46142), (231, 46127), (236, 46085), (241, 46037), (245, 46007), (251, 45980), (285, 45854), (287, 45848), (291, 45821), (300, 45779), (301, 45776), (308, 45761), (310, 45755), (326, 45701), (330, 45692), (386, 45464), (394, 45428),

Gene: Orwigg_51 Start: 46647, Stop: 44944, Start Num: 74
Candidate Starts for Orwigg_51:
(Start: 40 @46740 has 128 MA's), (Start: 74 @46647 has 130 MA's), (Start: 87 @46623 has 14 MA's), (Start: 92 @46566 has 1 MA's), (Start: 94 @46557 has 2 MA's), (109, 46467), (113, 46434), (126, 46377), (128, 46365), (133, 46341), (136, 46329), (137, 46320), (149, 46260), (160, 46170), (166, 46125), (173, 46065), (189, 45963), (192, 45942), (215, 45810), (225, 45741), (227, 45735), (229, 45708), (231, 45693), (236, 45651), (241, 45603), (245, 45573), (251, 45546), (285, 45420), (287, 45414), (291, 45387), (300, 45345), (301, 45342), (308, 45327), (310, 45321), (326, 45267), (330, 45258), (386, 45030), (394, 44994),

Gene: PG1_53 Start: 47070, Stop: 45391, Start Num: 87
Candidate Starts for PG1_53:
(Start: 40 @47187 has 128 MA's), (Start: 74 @47094 has 130 MA's), (Start: 87 @47070 has 14 MA's), (Start: 92 @47013 has 1 MA's), (Start: 94 @47004 has 2 MA's), (109, 46914), (113, 46881), (126, 46824), (128, 46812), (133, 46788), (136, 46776), (137, 46767), (149, 46707), (160, 46617), (166, 46572), (173, 46512), (183, 46458), (189, 46410), (192, 46389), (215, 46257), (225, 46188), (227, 46182), (229, 46155), (231, 46140), (236, 46098), (241, 46050), (245, 46020), (251, 45993), (285, 45867), (287, 45861), (291, 45834), (301, 45789), (308, 45774), (310, 45768), (326, 45714), (330, 45705), (386, 45477), (394, 45441),

Gene: Pacifista_51 Start: 46743, Stop: 44947, Start Num: 40
Candidate Starts for Pacifista_51:
(Start: 40 @46743 has 128 MA's), (Start: 74 @46650 has 130 MA's), (Start: 87 @46626 has 14 MA's), (Start: 92 @46569 has 1 MA's), (Start: 94 @46560 has 2 MA's), (109, 46470), (113, 46437), (126, 46380), (128, 46368), (133, 46344), (136, 46332), (137, 46323), (149, 46263), (160, 46173), (166, 46128), (173, 46068), (189, 45966), (192, 45945), (215, 45813), (225, 45744), (227, 45738), (229, 45711), (231, 45696), (236, 45654), (241, 45606), (245, 45576), (251, 45549), (285, 45423), (287, 45417), (291, 45390), (300, 45348), (301, 45345), (308, 45330), (310, 45324), (326, 45270), (330, 45261), (386, 45033), (394, 44997),

Gene: PallasAthena_51 Start: 46752, Stop: 44956, Start Num: 40
Candidate Starts for PallasAthena_51:
(Start: 40 @46752 has 128 MA's), (Start: 74 @46659 has 130 MA's), (Start: 87 @46635 has 14 MA's), (Start: 92 @46578 has 1 MA's), (Start: 94 @46569 has 2 MA's), (109, 46479), (113, 46446), (126, 46389), (128, 46377), (133, 46353), (136, 46341), (137, 46332), (149, 46272), (160, 46182), (166, 46137), (173, 46077), (183, 46023), (189, 45975), (192, 45954), (215, 45822), (225, 45753), (227, 45747), (229, 45720), (231, 45705), (236, 45663), (241, 45615), (245, 45585), (251, 45558), (285, 45432), (287, 45426), (291, 45399), (301, 45354), (308, 45339), (310, 45333), (326, 45279), (330, 45270), (386, 45042), (394, 45006),

Gene: Paola_64 Start: 45720, Stop: 47429, Start Num: 79
Candidate Starts for Paola_64:
(Start: 79 @45720 has 26 MA's), (97, 45813), (101, 45855), (Start: 108 @45891 has 1 MA's), (109, 45894), (112, 45918), (113, 45927), (122, 45966), (126, 45984), (137, 46041), (142, 46068), (143, 46071), (151, 46134), (160, 46194), (164, 46224), (166, 46233), (173, 46293), (176, 46308), (177, 46311), (184, 46353), (185, 46356), (188, 46392), (189, 46395), (197, 46461), (198, 46464), (199, 46467), (201, 46482), (202, 46497), (205, 46512), (213, 46542), (215, 46554), (229, 46656), (230, 46668), (231, 46671), (232, 46674), (234, 46695), (236, 46713), (240, 46758), (241, 46761), (248, 46800), (252, 46821), (284, 46950), (295, 47019), (296, 47022), (306, 47055), (308, 47058), (309,

47061), (325, 47124), (327, 47133), (330, 47139), (334, 47163), (347, 47196), (361, 47259), (366, 47280), (370, 47295), (373, 47322), (374, 47331), (379, 47346),

Gene: PenguinLover67_53 Start: 49331, Stop: 47634, Start Num: 77
Candidate Starts for PenguinLover67_53:
(Start: 77 @49331 has 1 MA's), (97, 49229), (100, 49199), (Start: 108 @49151 has 1 MA's), (113, 49115), (117, 49094), (126, 49058), (133, 49022), (156, 48872), (160, 48851), (161, 48830), (178, 48731), (183, 48698), (188, 48653), (189, 48650), (193, 48626), (201, 48569), (215, 48497), (227, 48422), (229, 48395), (230, 48383), (236, 48338), (241, 48290), (245, 48260), (285, 48116), (295, 48056), (300, 48038), (308, 48020), (321, 47963), (362, 47825), (383, 47726), (386, 47711), (398, 47660),

Gene: Phaedrus_49 Start: 47080, Stop: 45383, Start Num: 70
Candidate Starts for Phaedrus_49:
(Start: 70 @47080 has 42 MA's), (Start: 108 @46882 has 1 MA's), (113, 46846), (126, 46789), (137, 46732), (145, 46690), (152, 46627), (157, 46600), (160, 46582), (173, 46477), (176, 46462), (187, 46387), (189, 46375), (192, 46354), (199, 46309), (210, 46246), (222, 46162), (226, 46147), (227, 46144), (228, 46141), (229, 46117), (232, 46099), (236, 46060), (241, 46012), (245, 45982), (250, 45958), (257, 45916), (283, 45838), (289, 45811), (295, 45769), (298, 45760), (308, 45736), (339, 45649), (356, 45607), (377, 45502), (386, 45460), (389, 45445), (392, 45427),

Gene: Phamished_53 Start: 47194, Stop: 45398, Start Num: 40
Candidate Starts for Phamished_53:
(Start: 40 @47194 has 128 MA's), (Start: 74 @47101 has 130 MA's), (Start: 87 @47077 has 14 MA's), (Start: 92 @47020 has 1 MA's), (Start: 94 @47011 has 2 MA's), (109, 46921), (113, 46888), (126, 46831), (128, 46819), (133, 46795), (136, 46783), (137, 46774), (149, 46714), (160, 46624), (166, 46579), (173, 46519), (183, 46465), (189, 46417), (192, 46396), (215, 46264), (225, 46195), (227, 46189), (229, 46162), (231, 46147), (236, 46105), (241, 46057), (245, 46027), (251, 46000), (285, 45874), (287, 45868), (291, 45841), (300, 45799), (301, 45796), (308, 45781), (310, 45775), (326, 45721), (330, 45712), (386, 45484), (394, 45448),

Gene: Phantasmagoria_51 Start: 46576, Stop: 44861, Start Num: 76
Candidate Starts for Phantasmagoria_51:
(9, 47005), (11, 46969), (13, 46897), (15, 46882), (19, 46831), (Start: 76 @46576 has 36 MA's), (Start: 82 @46564 has 2 MA's), (107, 46393), (Start: 108 @46390 has 1 MA's), (113, 46354), (114, 46342), (117, 46333), (126, 46297), (127, 46294), (133, 46261), (145, 46198), (160, 46090), (166, 46051), (178, 45970), (183, 45937), (185, 45928), (189, 45889), (192, 45868), (193, 45865), (199, 45823), (201, 45808), (202, 45793), (209, 45763), (215, 45736), (220, 45688), (226, 45664), (227, 45661), (229, 45634), (230, 45622), (232, 45616), (236, 45577), (241, 45529), (245, 45499), (246, 45493), (256, 45448), (270, 45373), (273, 45361), (280, 45334), (281, 45331), (284, 45316), (295, 45250), (308, 45217), (332, 45139), (344, 45109), (345, 45106), (352, 45094), (361, 45055), (377, 44977), (378, 44974), (386, 44935), (401, 44869),

Gene: Phareon_52 Start: 46649, Stop: 44946, Start Num: 73
Candidate Starts for Phareon_52:
(Start: 73 @46649 has 70 MA's), (Start: 87 @46625 has 14 MA's), (Start: 92 @46568 has 1 MA's), (Start: 94 @46559 has 2 MA's), (109, 46469), (113, 46436), (126, 46379), (128, 46367), (133, 46343), (136, 46331), (137, 46322), (149, 46262), (160, 46172), (166, 46127), (173, 46067), (183, 46013), (189, 45965), (192, 45944), (215, 45812), (225, 45743), (227, 45737), (229, 45710), (231, 45695), (236, 45653), (241, 45605), (245, 45575), (251, 45548), (285, 45422), (287, 45416), (291, 45389), (301, 45344), (308, 45329), (310, 45323), (326, 45269), (330, 45260), (386, 45032), (394, 44996),

Gene: PhatCats2014_53 Start: 47191, Stop: 45395, Start Num: 40

Candidate Starts for PhatCats2014_53:
(Start: 40 @47191 has 128 MA's), (Start: 74 @47098 has 130 MA's), (Start: 87 @47074 has 14 MA's), (Start: 92 @47017 has 1 MA's), (Start: 94 @47008 has 2 MA's), (109, 46918), (113, 46885), (126, 46828), (128, 46816), (133, 46792), (136, 46780), (137, 46771), (149, 46711), (160, 46621), (166, 46576), (173, 46516), (189, 46414), (192, 46393), (215, 46261), (225, 46192), (227, 46186), (229, 46159), (231, 46144), (236, 46102), (241, 46054), (245, 46024), (251, 45997), (285, 45871), (287, 45865), (291, 45838), (300, 45796), (301, 45793), (308, 45778), (310, 45772), (326, 45718), (330, 45709), (386, 45481), (394, 45445),

Gene: PhatLouie_52 Start: 47045, Stop: 45249, Start Num: 40
Candidate Starts for PhatLouie_52:
(Start: 40 @47045 has 128 MA's), (Start: 74 @46952 has 130 MA's), (Start: 87 @46928 has 14 MA's), (Start: 92 @46871 has 1 MA's), (Start: 94 @46862 has 2 MA's), (109, 46772), (113, 46739), (126, 46682), (128, 46670), (133, 46646), (136, 46634), (137, 46625), (149, 46565), (160, 46475), (166, 46430), (173, 46370), (189, 46268), (192, 46247), (215, 46115), (225, 46046), (227, 46040), (229, 46013), (231, 45998), (236, 45956), (241, 45908), (245, 45878), (251, 45851), (285, 45725), (287, 45719), (291, 45692), (301, 45647), (308, 45632), (310, 45626), (326, 45572), (330, 45563), (386, 45335), (394, 45299),

Gene: Phayeta_54 Start: 47484, Stop: 45787, Start Num: 70
Candidate Starts for Phayeta_54:
(Start: 70 @47484 has 42 MA's), (Start: 108 @47286 has 1 MA's), (113, 47250), (126, 47193), (137, 47136), (145, 47094), (147, 47088), (152, 47031), (157, 47004), (160, 46986), (173, 46881), (187, 46791), (189, 46779), (192, 46758), (199, 46713), (210, 46650), (222, 46566), (226, 46551), (227, 46548), (228, 46545), (229, 46521), (232, 46503), (236, 46464), (241, 46416), (245, 46386), (250, 46362), (257, 46320), (283, 46242), (289, 46215), (295, 46173), (298, 46164), (308, 46140), (339, 46053), (356, 46011), (377, 45906), (386, 45864), (389, 45849),

Gene: Phelemich_50 Start: 47963, Stop: 46269, Start Num: 74
Candidate Starts for Phelemich_50:
(Start: 74 @47963 has 130 MA's), (96, 47864), (Start: 108 @47783 has 1 MA's), (113, 47747), (126, 47693), (133, 47657), (145, 47594), (149, 47576), (156, 47507), (160, 47486), (183, 47333), (188, 47288), (189, 47285), (193, 47261), (224, 47069), (225, 47063), (227, 47057), (229, 47030), (230, 47018), (231, 47015), (236, 46973), (237, 46970), (241, 46925), (245, 46895), (251, 46868), (256, 46844), (275, 46778), (276, 46775), (281, 46763), (285, 46742), (286, 46739), (293, 46700), (295, 46682), (300, 46664), (308, 46646), (310, 46640), (316, 46622), (356, 46487), (368, 46445), (383, 46364), (386, 46349), (398, 46298), (402, 46283),

Gene: PhenghisKhan_51 Start: 46666, Stop: 44870, Start Num: 40
Candidate Starts for PhenghisKhan_51:
(Start: 40 @46666 has 128 MA's), (Start: 74 @46573 has 130 MA's), (Start: 87 @46549 has 14 MA's), (Start: 92 @46492 has 1 MA's), (Start: 94 @46483 has 2 MA's), (109, 46393), (113, 46360), (126, 46303), (128, 46291), (133, 46267), (136, 46255), (137, 46246), (149, 46186), (160, 46096), (166, 46051), (173, 45991), (183, 45937), (189, 45889), (192, 45868), (215, 45736), (225, 45667), (227, 45661), (229, 45634), (231, 45619), (236, 45577), (241, 45529), (245, 45499), (251, 45472), (285, 45346), (287, 45340), (291, 45313), (301, 45268), (308, 45253), (310, 45247), (326, 45193), (330, 45184), (386, 44956), (394, 44920),

Gene: Pherdinand_53 Start: 47111, Stop: 45408, Start Num: 74
Candidate Starts for Pherdinand_53:
(Start: 40 @47204 has 128 MA's), (Start: 74 @47111 has 130 MA's), (Start: 87 @47087 has 14 MA's), (Start: 92 @47030 has 1 MA's), (Start: 94 @47021 has 2 MA's), (109, 46931), (113, 46898), (126, 46841), (128, 46829), (133, 46805), (136, 46793), (137, 46784), (149, 46724), (160, 46634), (166,

46589), (173, 46529), (189, 46427), (192, 46406), (215, 46274), (225, 46205), (227, 46199), (229, 46172), (231, 46157), (236, 46115), (241, 46067), (245, 46037), (251, 46010), (285, 45884), (287, 45878), (291, 45851), (300, 45809), (301, 45806), (308, 45791), (310, 45785), (326, 45731), (330, 45722), (386, 45494), (394, 45458),

Gene: Phergie_52 Start: 46658, Stop: 44862, Start Num: 40
Candidate Starts for Phergie_52:
(Start: 40 @46658 has 128 MA's), (Start: 74 @46565 has 130 MA's), (Start: 87 @46541 has 14 MA's), (Start: 92 @46484 has 1 MA's), (Start: 94 @46475 has 2 MA's), (109, 46385), (113, 46352), (126, 46295), (128, 46283), (133, 46259), (136, 46247), (137, 46238), (149, 46178), (160, 46088), (166, 46043), (173, 45983), (183, 45929), (189, 45881), (192, 45860), (215, 45728), (225, 45659), (227, 45653), (229, 45626), (231, 45611), (236, 45569), (241, 45521), (245, 45491), (251, 45464), (285, 45338), (287, 45332), (291, 45305), (301, 45260), (308, 45245), (310, 45239), (326, 45185), (330, 45176), (386, 44948), (394, 44912),

Gene: Philly_51 Start: 47008, Stop: 45311, Start Num: 70
Candidate Starts for Philly_51:
(Start: 70 @47008 has 42 MA's), (Start: 108 @46810 has 1 MA's), (113, 46774), (126, 46717), (137, 46660), (145, 46618), (147, 46612), (152, 46555), (157, 46528), (160, 46510), (173, 46405), (187, 46315), (189, 46303), (192, 46282), (199, 46237), (210, 46174), (222, 46090), (226, 46075), (227, 46072), (228, 46069), (229, 46045), (232, 46027), (236, 45988), (241, 45940), (245, 45910), (250, 45886), (257, 45844), (283, 45766), (289, 45739), (298, 45688), (308, 45664), (326, 45616), (339, 45577), (356, 45535), (377, 45430), (386, 45388), (389, 45373),

Gene: Phipps_52 Start: 47022, Stop: 45226, Start Num: 40
Candidate Starts for Phipps_52:
(Start: 40 @47022 has 128 MA's), (Start: 74 @46929 has 130 MA's), (Start: 87 @46905 has 14 MA's), (Start: 92 @46848 has 1 MA's), (Start: 94 @46839 has 2 MA's), (109, 46749), (113, 46716), (126, 46659), (128, 46647), (133, 46623), (136, 46611), (137, 46602), (149, 46542), (160, 46452), (166, 46407), (173, 46347), (189, 46245), (192, 46224), (215, 46092), (225, 46023), (227, 46017), (229, 45990), (231, 45975), (236, 45933), (241, 45885), (245, 45855), (251, 45828), (285, 45702), (287, 45696), (291, 45669), (300, 45627), (301, 45624), (308, 45609), (310, 45603), (326, 45549), (330, 45540), (386, 45312), (394, 45276),

Gene: Phleuron_51 Start: 46663, Stop: 44867, Start Num: 40
Candidate Starts for Phleuron_51:
(Start: 40 @46663 has 128 MA's), (Start: 74 @46570 has 130 MA's), (Start: 87 @46546 has 14 MA's), (Start: 92 @46489 has 1 MA's), (Start: 94 @46480 has 2 MA's), (109, 46390), (113, 46357), (126, 46300), (128, 46288), (133, 46264), (136, 46252), (137, 46243), (149, 46183), (160, 46093), (166, 46048), (173, 45988), (183, 45934), (189, 45886), (192, 45865), (215, 45733), (225, 45664), (227, 45658), (229, 45631), (231, 45616), (236, 45574), (241, 45526), (245, 45496), (251, 45469), (285, 45343), (287, 45337), (291, 45310), (301, 45265), (308, 45250), (310, 45244), (326, 45190), (330, 45181), (386, 44953), (394, 44917),

Gene: Phlyer_52 Start: 47897, Stop: 46200, Start Num: 70
Candidate Starts for Phlyer_52:
(Start: 70 @47897 has 42 MA's), (Start: 108 @47699 has 1 MA's), (113, 47663), (126, 47606), (137, 47549), (145, 47507), (147, 47501), (152, 47444), (157, 47417), (160, 47399), (173, 47294), (187, 47204), (189, 47192), (192, 47171), (199, 47126), (210, 47063), (222, 46979), (226, 46964), (227, 46961), (228, 46958), (229, 46934), (232, 46916), (236, 46877), (241, 46829), (245, 46799), (250, 46775), (257, 46733), (283, 46655), (289, 46628), (298, 46577), (308, 46553), (326, 46505), (339, 46466), (356, 46424), (377, 46319), (386, 46277), (389, 46262),

Gene: PhrankReynolds_50 Start: 46663, Stop: 44867, Start Num: 40
Candidate Starts for PhrankReynolds_50:
(Start: 40 @46663 has 128 MA's), (Start: 74 @46570 has 130 MA's), (Start: 87 @46546 has 14 MA's), (Start: 92 @46489 has 1 MA's), (Start: 94 @46480 has 2 MA's), (109, 46390), (113, 46357), (126, 46300), (128, 46288), (133, 46264), (136, 46252), (137, 46243), (149, 46183), (160, 46093), (166, 46048), (173, 45988), (183, 45934), (189, 45886), (192, 45865), (215, 45733), (225, 45664), (227, 45658), (229, 45631), (231, 45616), (236, 45574), (241, 45526), (245, 45496), (251, 45469), (285, 45343), (287, 45337), (291, 45310), (301, 45265), (308, 45250), (310, 45244), (326, 45190), (330, 45181), (386, 44953), (394, 44917),

Gene: PhrodoBaggins_52 Start: 47170, Stop: 45374, Start Num: 40
Candidate Starts for PhrodoBaggins_52:
(Start: 40 @47170 has 128 MA's), (Start: 74 @47077 has 130 MA's), (Start: 87 @47053 has 14 MA's), (Start: 92 @46996 has 1 MA's), (Start: 94 @46987 has 2 MA's), (109, 46897), (113, 46864), (126, 46807), (128, 46795), (133, 46771), (136, 46759), (137, 46750), (149, 46690), (160, 46600), (166, 46555), (173, 46495), (183, 46441), (189, 46393), (192, 46372), (215, 46240), (225, 46171), (227, 46165), (229, 46138), (231, 46123), (236, 46081), (241, 46033), (245, 46003), (251, 45976), (285, 45850), (287, 45844), (291, 45817), (301, 45772), (308, 45757), (310, 45751), (326, 45697), (330, 45688), (386, 45460), (394, 45424),

Gene: Phunky_52 Start: 46946, Stop: 45243, Start Num: 73
Candidate Starts for Phunky_52:
(Start: 73 @46946 has 70 MA's), (Start: 87 @46922 has 14 MA's), (Start: 92 @46865 has 1 MA's), (Start: 94 @46856 has 2 MA's), (109, 46766), (113, 46733), (126, 46676), (128, 46664), (133, 46640), (136, 46628), (137, 46619), (149, 46559), (160, 46469), (166, 46424), (173, 46364), (183, 46310), (189, 46262), (192, 46241), (215, 46109), (225, 46040), (227, 46034), (229, 46007), (231, 45992), (236, 45950), (241, 45902), (245, 45872), (251, 45845), (285, 45719), (287, 45713), (291, 45686), (301, 45641), (308, 45626), (310, 45620), (326, 45566), (330, 45557), (386, 45329), (394, 45293),

Gene: Piglet_0052 Start: 47164, Stop: 45368, Start Num: 40
Candidate Starts for Piglet_0052:
(Start: 40 @47164 has 128 MA's), (Start: 74 @47071 has 130 MA's), (Start: 87 @47047 has 14 MA's), (Start: 92 @46990 has 1 MA's), (Start: 94 @46981 has 2 MA's), (109, 46891), (113, 46858), (126, 46801), (128, 46789), (133, 46765), (136, 46753), (137, 46744), (149, 46684), (160, 46594), (166, 46549), (173, 46489), (183, 46435), (189, 46387), (192, 46366), (215, 46234), (225, 46165), (227, 46159), (229, 46132), (231, 46117), (236, 46075), (241, 46027), (245, 45997), (251, 45970), (285, 45844), (287, 45838), (291, 45811), (301, 45766), (308, 45751), (310, 45745), (326, 45691), (330, 45682), (386, 45454), (394, 45418),

Gene: Pine5_45 Start: 37875, Stop: 36184, Start Num: 73
Candidate Starts for Pine5_45:
(Start: 73 @37875 has 70 MA's), (Start: 82 @37860 has 2 MA's), (101, 37725), (113, 37653), (178, 37275), (183, 37242), (184, 37236), (186, 37230), (189, 37194), (209, 37068), (213, 37053), (223, 36981), (229, 36939), (231, 36924), (232, 36921), (236, 36882), (239, 36861), (245, 36804), (247, 36795), (286, 36654), (289, 36639), (293, 36612), (296, 36591), (306, 36564), (330, 36498), (331, 36477), (356, 36396), (357, 36390), (386, 36258), (389, 36243),

Gene: PinheadLarry_52 Start: 46749, Stop: 44953, Start Num: 40
Candidate Starts for PinheadLarry_52:
(Start: 40 @46749 has 128 MA's), (Start: 74 @46656 has 130 MA's), (Start: 87 @46632 has 14 MA's), (Start: 92 @46575 has 1 MA's), (Start: 94 @46566 has 2 MA's), (109, 46476), (113, 46443), (126, 46386), (128, 46374), (133, 46350), (136, 46338), (137, 46329), (149, 46269), (160, 46179), (166, 46134), (173, 46074), (183, 46020), (189, 45972), (192, 45951), (215, 45819), (225, 45750), (227,

45744), (229, 45717), (231, 45702), (236, 45660), (241, 45612), (245, 45582), (251, 45555), (285, 45429), (287, 45423), (291, 45396), (301, 45351), (308, 45336), (310, 45330), (326, 45276), (330, 45267), (386, 45039), (394, 45003),

Gene: Pinkman_51 Start: 46601, Stop: 44805, Start Num: 40
Candidate Starts for Pinkman_51:
(Start: 40 @46601 has 128 MA's), (Start: 74 @46508 has 130 MA's), (Start: 87 @46484 has 14 MA's), (Start: 92 @46427 has 1 MA's), (Start: 94 @46418 has 2 MA's), (109, 46328), (113, 46295), (126, 46238), (128, 46226), (133, 46202), (136, 46190), (137, 46181), (149, 46121), (160, 46031), (166, 45986), (173, 45926), (183, 45872), (189, 45824), (192, 45803), (215, 45671), (225, 45602), (227, 45596), (229, 45569), (231, 45554), (236, 45512), (241, 45464), (245, 45434), (251, 45407), (285, 45281), (287, 45275), (291, 45248), (301, 45203), (308, 45188), (310, 45182), (326, 45128), (330, 45119), (386, 44891), (394, 44855),

Gene: Pipefish_54 Start: 48428, Stop: 46731, Start Num: 70
Candidate Starts for Pipefish_54:
(3, 49013), (4, 48956), (5, 48890), (8, 48857), (16, 48716), (18, 48695), (25, 48620), (Start: 44 @48530 has 7 MA's), (53, 48506), (Start: 56 @48500 has 3 MA's), (58, 48497), (Start: 70 @48428 has 42 MA's), (Start: 108 @48230 has 1 MA's), (113, 48194), (126, 48137), (137, 48080), (145, 48038), (147, 48032), (152, 47975), (157, 47948), (160, 47930), (173, 47825), (187, 47735), (189, 47723), (192, 47702), (199, 47657), (210, 47594), (222, 47510), (226, 47495), (227, 47492), (228, 47489), (229, 47465), (232, 47447), (236, 47408), (241, 47360), (245, 47330), (250, 47306), (257, 47264), (283, 47186), (289, 47159), (293, 47135), (298, 47108), (308, 47084), (326, 47036), (339, 46997), (356, 46955), (377, 46850), (386, 46808), (389, 46793),

Gene: Pipsqueak_52 Start: 46953, Stop: 45250, Start Num: 73
Candidate Starts for Pipsqueak_52:
(12, 47286), (14, 47259), (Start: 73 @46953 has 70 MA's), (Start: 87 @46929 has 14 MA's), (Start: 92 @46872 has 1 MA's), (Start: 94 @46863 has 2 MA's), (109, 46773), (113, 46740), (126, 46683), (128, 46671), (133, 46647), (136, 46635), (137, 46626), (149, 46566), (160, 46476), (166, 46431), (173, 46371), (183, 46317), (189, 46269), (192, 46248), (215, 46116), (225, 46047), (227, 46041), (229, 46014), (231, 45999), (236, 45957), (241, 45909), (245, 45879), (251, 45852), (285, 45726), (287, 45720), (291, 45693), (300, 45651), (301, 45648), (308, 45633), (310, 45627), (326, 45573), (330, 45564), (386, 45336), (394, 45300),

Gene: Placalicious_51 Start: 46739, Stop: 44943, Start Num: 40
Candidate Starts for Placalicious_51:
(Start: 40 @46739 has 128 MA's), (Start: 74 @46646 has 130 MA's), (Start: 87 @46622 has 14 MA's), (Start: 92 @46565 has 1 MA's), (Start: 94 @46556 has 2 MA's), (109, 46466), (113, 46433), (126, 46376), (128, 46364), (133, 46340), (136, 46328), (137, 46319), (149, 46259), (160, 46169), (166, 46124), (173, 46064), (183, 46010), (189, 45962), (192, 45941), (215, 45809), (225, 45740), (227, 45734), (229, 45707), (231, 45692), (236, 45650), (241, 45602), (245, 45572), (251, 45545), (285, 45419), (287, 45413), (291, 45386), (301, 45341), (308, 45326), (310, 45320), (326, 45266), (330, 45257), (386, 45029), (394, 44993),

Gene: Plata_51 Start: 46637, Stop: 44958, Start Num: 87
Candidate Starts for Plata_51:
(Start: 40 @46754 has 128 MA's), (Start: 74 @46661 has 130 MA's), (Start: 87 @46637 has 14 MA's), (Start: 92 @46580 has 1 MA's), (Start: 94 @46571 has 2 MA's), (109, 46481), (113, 46448), (126, 46391), (128, 46379), (133, 46355), (136, 46343), (137, 46334), (149, 46274), (160, 46184), (166, 46139), (173, 46079), (183, 46025), (189, 45977), (192, 45956), (215, 45824), (225, 45755), (227, 45749), (229, 45722), (231, 45707), (236, 45665), (241, 45617), (245, 45587), (251, 45560), (285, 45434), (287, 45428), (291, 45401), (301, 45356), (308, 45341), (310, 45335), (326, 45281), (330,

45272), (386, 45044), (394, 45008),

Gene: Plmatters_52 Start: 46949, Stop: 45246, Start Num: 73
Candidate Starts for Plmatters_52:
(Start: 73 @46949 has 70 MA's), (Start: 87 @46925 has 14 MA's), (Start: 92 @46868 has 1 MA's), (Start: 94 @46859 has 2 MA's), (109, 46769), (113, 46736), (126, 46679), (128, 46667), (133, 46643), (136, 46631), (137, 46622), (149, 46562), (160, 46472), (166, 46427), (173, 46367), (183, 46313), (189, 46265), (192, 46244), (215, 46112), (225, 46043), (227, 46037), (229, 46010), (231, 45995), (236, 45953), (241, 45905), (245, 45875), (251, 45848), (285, 45722), (287, 45716), (291, 45689), (301, 45644), (308, 45629), (310, 45623), (326, 45569), (330, 45560), (386, 45332), (394, 45296),

Gene: Podrick_52 Start: 46940, Stop: 45237, Start Num: 73
Candidate Starts for Podrick_52:
(Start: 73 @46940 has 70 MA's), (Start: 87 @46916 has 14 MA's), (Start: 92 @46859 has 1 MA's), (Start: 94 @46850 has 2 MA's), (109, 46760), (113, 46727), (126, 46670), (128, 46658), (133, 46634), (136, 46622), (137, 46613), (149, 46553), (160, 46463), (166, 46418), (173, 46358), (189, 46256), (192, 46235), (215, 46103), (225, 46034), (227, 46028), (229, 46001), (231, 45986), (236, 45944), (241, 45896), (245, 45866), (251, 45839), (285, 45713), (287, 45707), (291, 45680), (300, 45638), (301, 45635), (308, 45620), (310, 45614), (326, 45560), (330, 45551), (386, 45323), (394, 45287),

Gene: Pops_52 Start: 46964, Stop: 45261, Start Num: 73
Candidate Starts for Pops_52:
(Start: 73 @46964 has 70 MA's), (Start: 87 @46940 has 14 MA's), (Start: 92 @46883 has 1 MA's), (Start: 94 @46874 has 2 MA's), (109, 46784), (113, 46751), (126, 46694), (128, 46682), (133, 46658), (136, 46646), (137, 46637), (149, 46577), (160, 46487), (166, 46442), (173, 46382), (189, 46280), (192, 46259), (215, 46127), (225, 46058), (227, 46052), (229, 46025), (231, 46010), (236, 45968), (241, 45920), (245, 45890), (251, 45863), (285, 45737), (287, 45731), (291, 45704), (300, 45662), (301, 45659), (308, 45644), (310, 45638), (326, 45584), (330, 45575), (386, 45347), (394, 45311),

Gene: Poster_46 Start: 46393, Stop: 44678, Start Num: 74
Candidate Starts for Poster_46:
(Start: 74 @46393 has 130 MA's), (110, 46201), (113, 46171), (117, 46150), (126, 46114), (133, 46078), (135, 46069), (156, 45928), (160, 45907), (161, 45886), (173, 45808), (178, 45787), (183, 45754), (185, 45745), (188, 45709), (189, 45706), (193, 45682), (213, 45565), (215, 45553), (219, 45529), (225, 45484), (227, 45478), (229, 45451), (230, 45439), (231, 45436), (236, 45394), (241, 45346), (245, 45316), (256, 45265), (270, 45217), (281, 45181), (285, 45160), (286, 45157), (293, 45118), (300, 45082), (306, 45067), (308, 45064), (312, 45055), (317, 45037), (323, 45010), (330, 44989), (359, 44878), (386, 44755),

Gene: Potter_51 Start: 46676, Stop: 44973, Start Num: 74
Candidate Starts for Potter_51:
(Start: 74 @46676 has 130 MA's), (Start: 87 @46652 has 14 MA's), (Start: 92 @46595 has 1 MA's), (Start: 94 @46586 has 2 MA's), (109, 46496), (113, 46463), (126, 46406), (128, 46394), (133, 46370), (136, 46358), (137, 46349), (149, 46289), (160, 46199), (166, 46154), (173, 46094), (189, 45992), (192, 45971), (215, 45839), (225, 45770), (227, 45764), (229, 45737), (231, 45722), (236, 45680), (241, 45632), (245, 45602), (251, 45575), (285, 45449), (287, 45443), (291, 45416), (300, 45374), (301, 45371), (308, 45356), (310, 45350), (326, 45296), (330, 45287), (386, 45059), (394, 45023),

Gene: Prickles_52 Start: 46940, Stop: 45237, Start Num: 74
Candidate Starts for Prickles_52:
(Start: 74 @46940 has 130 MA's), (Start: 87 @46916 has 14 MA's), (Start: 92 @46859 has 1 MA's), (Start: 94 @46850 has 2 MA's), (109, 46760), (113, 46727), (126, 46670), (128, 46658), (133, 46634), (136, 46622), (137, 46613), (149, 46553), (160, 46463), (166, 46418), (173, 46358), (183, 46304),

(189, 46256), (192, 46235), (215, 46103), (225, 46034), (227, 46028), (229, 46001), (231, 45986), (236, 45944), (241, 45896), (245, 45866), (251, 45839), (285, 45713), (287, 45707), (291, 45680), (301, 45635), (308, 45620), (310, 45614), (326, 45560), (330, 45551), (386, 45323), (394, 45287),

Gene: Prince_47 Start: 47599, Stop: 45887, Start Num: 74
Candidate Starts for Prince_47:
(Start: 74 @47599 has 130 MA's), (107, 47416), (113, 47377), (117, 47356), (133, 47287), (149, 47206), (156, 47137), (160, 47116), (173, 47017), (178, 46996), (183, 46963), (185, 46954), (188, 46918), (189, 46915), (193, 46891), (211, 46780), (213, 46774), (215, 46762), (225, 46693), (227, 46687), (229, 46660), (230, 46648), (231, 46645), (236, 46603), (241, 46555), (245, 46525), (281, 46390), (284, 46375), (285, 46369), (286, 46366), (292, 46333), (293, 46327), (294, 46318), (300, 46291), (306, 46276), (308, 46273), (312, 46264), (317, 46246), (323, 46219), (330, 46198), (359, 46087), (386, 45964), (395, 45925), (398, 45913),

Gene: PrinceCharming_51 Start: 46675, Stop: 44960, Start Num: 76
Candidate Starts for PrinceCharming_51:
(9, 47104), (11, 47068), (13, 46996), (19, 46930), (Start: 76 @46675 has 36 MA's), (Start: 82 @46663 has 2 MA's), (107, 46492), (Start: 108 @46489 has 1 MA's), (113, 46453), (114, 46441), (117, 46432), (126, 46396), (127, 46393), (133, 46360), (145, 46297), (160, 46189), (166, 46150), (178, 46069), (183, 46036), (185, 46027), (189, 45988), (192, 45967), (193, 45964), (199, 45922), (201, 45907), (202, 45892), (209, 45862), (215, 45835), (220, 45787), (226, 45763), (227, 45760), (229, 45733), (230, 45721), (232, 45715), (236, 45676), (241, 45628), (245, 45598), (246, 45592), (256, 45547), (270, 45472), (273, 45460), (280, 45433), (281, 45430), (284, 45415), (295, 45349), (308, 45316), (332, 45238), (344, 45208), (345, 45205), (352, 45193), (361, 45154), (377, 45076), (378, 45073), (386, 45034), (401, 44968),

Gene: ProfessorX_52 Start: 46860, Stop: 45238, Start Num: 92
Candidate Starts for ProfessorX_52:
(Start: 73 @46941 has 70 MA's), (Start: 87 @46917 has 14 MA's), (Start: 92 @46860 has 1 MA's), (Start: 94 @46851 has 2 MA's), (109, 46761), (113, 46728), (126, 46671), (128, 46659), (133, 46635), (136, 46623), (137, 46614), (149, 46554), (160, 46464), (166, 46419), (173, 46359), (189, 46257), (192, 46236), (215, 46104), (225, 46035), (227, 46029), (229, 46002), (231, 45987), (236, 45945), (241, 45897), (245, 45867), (251, 45840), (285, 45714), (287, 45708), (291, 45681), (300, 45639), (301, 45636), (308, 45621), (310, 45615), (326, 45561), (330, 45552), (386, 45324), (394, 45288),

Gene: Psycho_64 Start: 44389, Stop: 46104, Start Num: 79
Candidate Starts for Psycho_64:
(Start: 79 @44389 has 26 MA's), (97, 44482), (101, 44524), (Start: 108 @44560 has 1 MA's), (109, 44563), (112, 44587), (113, 44596), (122, 44635), (126, 44653), (137, 44710), (142, 44737), (143, 44740), (151, 44803), (160, 44863), (164, 44893), (166, 44902), (176, 44977), (177, 44980), (187, 45052), (188, 45061), (189, 45064), (197, 45130), (198, 45133), (199, 45136), (201, 45151), (202, 45166), (205, 45181), (213, 45211), (215, 45223), (229, 45325), (230, 45337), (231, 45340), (232, 45343), (234, 45364), (236, 45382), (241, 45430), (247, 45463), (252, 45490), (284, 45619), (289, 45643), (295, 45688), (296, 45691), (306, 45724), (315, 45748), (327, 45802), (330, 45808), (334, 45832), (366, 45949), (370, 45964), (373, 45991), (379, 46015),

Gene: Puhltonio_52 Start: 46950, Stop: 45247, Start Num: 74
Candidate Starts for Puhltonio_52:
(Start: 74 @46950 has 130 MA's), (Start: 87 @46926 has 14 MA's), (Start: 92 @46869 has 1 MA's), (Start: 94 @46860 has 2 MA's), (109, 46770), (113, 46737), (126, 46680), (128, 46668), (133, 46644), (136, 46632), (137, 46623), (149, 46563), (160, 46473), (166, 46428), (173, 46368), (183, 46314), (189, 46266), (192, 46245), (215, 46113), (225, 46044), (227, 46038), (229, 46011), (231, 45996), (236, 45954), (241, 45906), (245, 45876), (251, 45849), (285, 45723), (287, 45717), (291, 45690),

(300, 45648), (301, 45645), (308, 45630), (310, 45624), (326, 45570), (330, 45561), (386, 45333), (394, 45297),

Gene: Puppers_33 Start: 26753, Stop: 25110, Start Num: 81
Candidate Starts for Puppers_33:
(75, 26765), (Start: 81 @26753 has 7 MA's), (89, 26714), (90, 26711), (91, 26705), (100, 26630), (107, 26585), (113, 26546), (125, 26498), (126, 26495), (137, 26438), (146, 26393), (153, 26312), (155, 26309), (160, 26285), (180, 26165), (182, 26147), (185, 26129), (189, 26090), (191, 26078), (193, 26066), (197, 26030), (199, 26024), (201, 26009), (211, 25955), (230, 25823), (232, 25817), (236, 25778), (254, 25658), (273, 25592), (277, 25580), (283, 25556), (308, 25457), (356, 25313), (386, 25175), (399, 25121),

Gene: QueenBeane_52 Start: 46940, Stop: 45237, Start Num: 74
Candidate Starts for QueenBeane_52:
(Start: 74 @46940 has 130 MA's), (Start: 87 @46916 has 14 MA's), (Start: 92 @46859 has 1 MA's), (Start: 94 @46850 has 2 MA's), (109, 46760), (113, 46727), (126, 46670), (128, 46658), (133, 46634), (136, 46622), (137, 46613), (149, 46553), (160, 46463), (166, 46418), (173, 46358), (183, 46304), (189, 46256), (192, 46235), (215, 46103), (225, 46034), (227, 46028), (229, 46001), (231, 45986), (236, 45944), (241, 45896), (245, 45866), (251, 45839), (285, 45713), (287, 45707), (291, 45680), (300, 45638), (301, 45635), (308, 45620), (310, 45614), (326, 45560), (330, 45551), (386, 45323), (394, 45287),

Gene: QueenPie_46 Start: 47511, Stop: 45796, Start Num: 74
Candidate Starts for QueenPie_46:
(Start: 74 @47511 has 130 MA's), (110, 47319), (113, 47289), (114, 47277), (126, 47232), (133, 47196), (135, 47187), (156, 47046), (160, 47025), (161, 47004), (173, 46926), (178, 46905), (183, 46872), (185, 46863), (188, 46827), (189, 46824), (193, 46800), (213, 46683), (215, 46671), (217, 46662), (219, 46647), (225, 46602), (227, 46596), (229, 46569), (230, 46557), (231, 46554), (236, 46512), (241, 46464), (245, 46434), (256, 46383), (270, 46335), (281, 46299), (285, 46278), (286, 46275), (293, 46236), (298, 46209), (300, 46200), (306, 46185), (308, 46182), (312, 46173), (317, 46155), (323, 46128), (330, 46107), (359, 45996), (383, 45888), (386, 45873), (395, 45834), (398, 45822),

Gene: Quesadilla_55 Start: 49726, Stop: 47888, Start Num: 36
Candidate Starts for Quesadilla_55:
(1, 50506), (2, 50344), (Start: 36 @49726 has 1 MA's), (37, 49723), (43, 49696), (Start: 77 @49603 has 1 MA's), (100, 49471), (Start: 108 @49423 has 1 MA's), (113, 49387), (126, 49330), (133, 49294), (156, 49144), (160, 49123), (161, 49102), (183, 48970), (188, 48925), (189, 48922), (193, 48898), (201, 48841), (213, 48781), (215, 48769), (227, 48694), (229, 48667), (230, 48655), (231, 48652), (236, 48610), (241, 48562), (245, 48532), (256, 48481), (281, 48403), (285, 48382), (295, 48322), (300, 48304), (306, 48289), (308, 48286), (362, 48079), (383, 47980), (386, 47965), (398, 47914),

Gene: Quisquiliae_52 Start: 47070, Stop: 45274, Start Num: 40
Candidate Starts for Quisquiliae_52:
(Start: 40 @47070 has 128 MA's), (Start: 74 @46977 has 130 MA's), (Start: 87 @46953 has 14 MA's), (Start: 92 @46896 has 1 MA's), (Start: 94 @46887 has 2 MA's), (109, 46797), (113, 46764), (126, 46707), (128, 46695), (133, 46671), (136, 46659), (137, 46650), (149, 46590), (160, 46500), (166, 46455), (173, 46395), (189, 46293), (192, 46272), (215, 46140), (225, 46071), (227, 46065), (229, 46038), (231, 46023), (236, 45981), (241, 45933), (245, 45903), (251, 45876), (285, 45750), (287, 45744), (291, 45717), (300, 45675), (301, 45672), (308, 45657), (310, 45651), (326, 45597), (330, 45588), (386, 45360), (394, 45324),

Gene: Qyrzula_48 Start: 46695, Stop: 44980, Start Num: 76

Candidate Starts for Qyrzula_48:
(9, 47124), (11, 47088), (13, 47016), (19, 46950), (Start: 76 @46695 has 36 MA's), (Start: 82 @46683 has 2 MA's), (107, 46512), (Start: 108 @46509 has 1 MA's), (113, 46473), (114, 46461), (117, 46452), (126, 46416), (127, 46413), (133, 46380), (145, 46317), (160, 46209), (166, 46170), (178, 46089), (183, 46056), (185, 46047), (189, 46008), (192, 45987), (193, 45984), (199, 45942), (201, 45927), (202, 45912), (209, 45882), (215, 45855), (220, 45807), (226, 45783), (227, 45780), (229, 45753), (230, 45741), (232, 45735), (236, 45696), (241, 45648), (245, 45618), (246, 45612), (256, 45567), (270, 45492), (273, 45480), (280, 45453), (281, 45450), (284, 45435), (295, 45369), (308, 45336), (332, 45258), (344, 45228), (345, 45225), (352, 45213), (361, 45174), (377, 45096), (378, 45093), (386, 45054), (401, 44988),

Gene: RagingRooster_51 Start: 46842, Stop: 45145, Start Num: 70
Candidate Starts for RagingRooster_51:
(Start: 70 @46842 has 42 MA's), (Start: 108 @46644 has 1 MA's), (113, 46608), (126, 46551), (137, 46494), (145, 46452), (152, 46389), (157, 46362), (160, 46344), (173, 46239), (187, 46149), (189, 46137), (192, 46116), (199, 46071), (210, 46008), (222, 45924), (226, 45909), (227, 45906), (228, 45903), (229, 45879), (232, 45861), (236, 45822), (241, 45774), (245, 45744), (250, 45720), (257, 45678), (283, 45600), (289, 45573), (295, 45531), (298, 45522), (308, 45498), (339, 45411), (356, 45369), (377, 45264), (386, 45222), (389, 45207), (392, 45189),

Gene: RainyPolka_53 Start: 44180, Stop: 46018, Start Num: 83
Candidate Starts for RainyPolka_53:
(Start: 83 @44180 has 9 MA's), (91, 44225), (95, 44261), (97, 44267), (99, 44294), (107, 44354), (109, 44360), (117, 44414), (134, 44489), (142, 44534), (148, 44558), (154, 44621), (159, 44645), (162, 44672), (163, 44684), (168, 44705), (170, 44732), (173, 44753), (175, 44762), (180, 44780), (200, 44930), (201, 44939), (203, 44957), (207, 44975), (212, 44999), (226, 45086), (227, 45089), (230, 45128), (236, 45173), (237, 45176), (248, 45266), (305, 45548), (313, 45566), (315, 45575), (324, 45653), (343, 45722), (350, 45749), (358, 45785), (363, 45800), (382, 45902), (390, 45950), (393, 45959), (398, 45977),

Gene: Rando14_67 Start: 45066, Stop: 46760, Start Num: 79
Candidate Starts for Rando14_67:
(Start: 79 @45066 has 26 MA's), (96, 45156), (97, 45159), (109, 45240), (112, 45264), (113, 45273), (122, 45312), (137, 45387), (142, 45414), (143, 45417), (151, 45480), (160, 45540), (164, 45570), (166, 45579), (173, 45639), (177, 45657), (188, 45738), (189, 45741), (197, 45807), (198, 45810), (199, 45813), (201, 45828), (202, 45843), (213, 45888), (215, 45900), (229, 46002), (230, 46014), (231, 46017), (234, 46041), (236, 46059), (240, 46104), (241, 46107), (242, 46110), (252, 46167), (273, 46251), (284, 46293), (295, 46362), (296, 46365), (306, 46398), (310, 46407), (325, 46467), (327, 46476), (330, 46482), (334, 46506), (347, 46539), (366, 46623), (373, 46665), (374, 46674), (376, 46677), (379, 46689),

Gene: RawrgerThat_48 Start: 47447, Stop: 45738, Start Num: 74
Candidate Starts for RawrgerThat_48:
(Start: 74 @47447 has 130 MA's), (107, 47264), (113, 47225), (117, 47204), (133, 47135), (149, 47054), (156, 46985), (160, 46964), (173, 46865), (178, 46844), (183, 46811), (185, 46802), (188, 46766), (189, 46763), (193, 46739), (211, 46628), (213, 46622), (215, 46610), (225, 46541), (227, 46535), (229, 46508), (230, 46496), (231, 46493), (236, 46451), (241, 46403), (245, 46373), (256, 46322), (281, 46241), (284, 46226), (285, 46220), (286, 46217), (292, 46184), (293, 46178), (294, 46169), (300, 46142), (306, 46127), (308, 46124), (312, 46115), (317, 46097), (323, 46070), (330, 46049), (359, 45938), (386, 45815), (395, 45776), (398, 45764),

Gene: Reccee_52 Start: 48017, Stop: 46323, Start Num: 74
Candidate Starts for Reccee_52:

(Start: 74 @48017 has 130 MA's), (Start: 87 @47990 has 14 MA's), (96, 47918), (113, 47801), (133, 47711), (145, 47648), (149, 47630), (156, 47561), (160, 47540), (173, 47441), (183, 47387), (189, 47339), (192, 47318), (213, 47198), (219, 47162), (224, 47123), (225, 47117), (227, 47111), (229, 47084), (230, 47072), (231, 47069), (236, 47027), (241, 46979), (245, 46949), (257, 46883), (276, 46826), (281, 46814), (285, 46793), (286, 46790), (293, 46751), (300, 46715), (308, 46697), (368, 46496), (386, 46400),

Gene: RedMaple_52 Start: 47184, Stop: 45388, Start Num: 40
Candidate Starts for RedMaple_52:
(Start: 40 @47184 has 128 MA's), (Start: 74 @47091 has 130 MA's), (Start: 87 @47067 has 14 MA's), (Start: 92 @47010 has 1 MA's), (Start: 94 @47001 has 2 MA's), (109, 46911), (113, 46878), (126, 46821), (128, 46809), (133, 46785), (136, 46773), (137, 46764), (149, 46704), (160, 46614), (166, 46569), (173, 46509), (183, 46455), (189, 46407), (192, 46386), (215, 46254), (225, 46185), (227, 46179), (229, 46152), (231, 46137), (236, 46095), (241, 46047), (245, 46017), (251, 45990), (285, 45864), (287, 45858), (291, 45831), (301, 45786), (308, 45771), (310, 45765), (326, 45711), (330, 45702), (386, 45474), (394, 45438),

Gene: RedRaider89_53 Start: 47174, Stop: 45471, Start Num: 73
Candidate Starts for RedRaider89_53:
(Start: 73 @47174 has 70 MA's), (Start: 87 @47150 has 14 MA's), (Start: 92 @47093 has 1 MA's), (Start: 94 @47084 has 2 MA's), (109, 46994), (113, 46961), (126, 46904), (128, 46892), (133, 46868), (136, 46856), (137, 46847), (149, 46787), (160, 46697), (166, 46652), (173, 46592), (183, 46538), (189, 46490), (192, 46469), (215, 46337), (225, 46268), (227, 46262), (229, 46235), (231, 46220), (236, 46178), (241, 46130), (245, 46100), (251, 46073), (285, 45947), (287, 45941), (291, 45914), (301, 45869), (308, 45854), (310, 45848), (326, 45794), (330, 45785), (386, 45557), (394, 45521),

Gene: Renkei_46 Start: 46415, Stop: 44700, Start Num: 74
Candidate Starts for Renkei_46:
(Start: 74 @46415 has 130 MA's), (110, 46223), (113, 46193), (117, 46172), (126, 46136), (133, 46100), (135, 46091), (156, 45950), (160, 45929), (161, 45908), (173, 45830), (178, 45809), (183, 45776), (185, 45767), (188, 45731), (189, 45728), (193, 45704), (213, 45587), (215, 45575), (219, 45551), (225, 45506), (227, 45500), (229, 45473), (230, 45461), (231, 45458), (236, 45416), (241, 45368), (245, 45338), (256, 45287), (270, 45239), (281, 45203), (285, 45182), (286, 45179), (293, 45140), (300, 45104), (306, 45089), (308, 45086), (312, 45077), (317, 45059), (323, 45032), (330, 45011), (359, 44900), (386, 44777),

Gene: Reprobate_51 Start: 47968, Stop: 46274, Start Num: 74
Candidate Starts for Reprobate_51:
(Start: 74 @47968 has 130 MA's), (96, 47869), (Start: 108 @47788 has 1 MA's), (113, 47752), (126, 47698), (133, 47662), (145, 47599), (149, 47581), (156, 47512), (160, 47491), (183, 47338), (188, 47293), (189, 47290), (193, 47266), (224, 47074), (225, 47068), (227, 47062), (229, 47035), (230, 47023), (231, 47020), (236, 46978), (237, 46975), (241, 46930), (245, 46900), (251, 46873), (256, 46849), (275, 46783), (276, 46780), (281, 46768), (285, 46747), (286, 46744), (293, 46705), (295, 46687), (300, 46669), (308, 46651), (310, 46645), (316, 46627), (356, 46492), (368, 46450), (383, 46369), (386, 46354), (398, 46303), (402, 46288),

Gene: Rhinoforte_51 Start: 46697, Stop: 44982, Start Num: 76
Candidate Starts for Rhinoforte_51:
(9, 47126), (11, 47090), (13, 47018), (19, 46952), (Start: 76 @46697 has 36 MA's), (Start: 82 @46685 has 2 MA's), (107, 46514), (Start: 108 @46511 has 1 MA's), (113, 46475), (114, 46463), (117, 46454), (126, 46418), (127, 46415), (133, 46382), (145, 46319), (160, 46211), (166, 46172), (178, 46091), (183, 46058), (185, 46049), (189, 46010), (192, 45989), (193, 45986), (199, 45944), (201, 45929), (202, 45914), (209, 45884), (215, 45857), (220, 45809), (226, 45785), (227, 45782), (229, 45755),

(230, 45743), (232, 45737), (236, 45698), (241, 45650), (245, 45620), (246, 45614), (256, 45569), (270, 45494), (273, 45482), (280, 45455), (281, 45452), (284, 45437), (295, 45371), (308, 45338), (332, 45260), (344, 45230), (345, 45227), (352, 45215), (361, 45176), (377, 45098), (378, 45095), (386, 45056), (401, 44990),

Gene: Rich_52 Start: 49401, Stop: 47707, Start Num: 74
Candidate Starts for Rich_52:
(Start: 74 @49401 has 130 MA's), (Start: 87 @49374 has 14 MA's), (97, 49299), (113, 49185), (133, 49095), (145, 49032), (149, 49014), (156, 48945), (160, 48924), (178, 48804), (183, 48771), (189, 48723), (192, 48702), (213, 48582), (219, 48546), (224, 48507), (225, 48501), (227, 48495), (228, 48492), (229, 48468), (230, 48456), (231, 48453), (236, 48411), (241, 48363), (245, 48333), (276, 48210), (281, 48198), (285, 48177), (286, 48174), (288, 48162), (293, 48135), (300, 48099), (308, 48081), (368, 47880), (386, 47784),

Gene: Ricotta_51 Start: 46756, Stop: 44960, Start Num: 40
Candidate Starts for Ricotta_51:
(Start: 40 @46756 has 128 MA's), (Start: 74 @46663 has 130 MA's), (Start: 87 @46639 has 14 MA's), (Start: 92 @46582 has 1 MA's), (Start: 94 @46573 has 2 MA's), (109, 46483), (113, 46450), (126, 46393), (128, 46381), (133, 46357), (136, 46345), (137, 46336), (149, 46276), (160, 46186), (166, 46141), (173, 46081), (189, 45979), (192, 45958), (215, 45826), (225, 45757), (227, 45751), (229, 45724), (231, 45709), (236, 45667), (241, 45619), (245, 45589), (251, 45562), (285, 45436), (287, 45430), (291, 45403), (300, 45361), (301, 45358), (308, 45343), (310, 45337), (326, 45283), (330, 45274), (386, 45046), (394, 45010),

Gene: Riggan_52 Start: 46936, Stop: 45233, Start Num: 73
Candidate Starts for Riggan_52:
(Start: 73 @46936 has 70 MA's), (Start: 87 @46912 has 14 MA's), (Start: 92 @46855 has 1 MA's), (Start: 94 @46846 has 2 MA's), (109, 46756), (113, 46723), (126, 46666), (128, 46654), (133, 46630), (136, 46618), (137, 46609), (149, 46549), (160, 46459), (166, 46414), (173, 46354), (183, 46300), (189, 46252), (192, 46231), (215, 46099), (225, 46030), (227, 46024), (229, 45997), (231, 45982), (236, 45940), (241, 45892), (245, 45862), (251, 45835), (285, 45709), (287, 45703), (291, 45676), (301, 45631), (308, 45616), (310, 45610), (326, 45556), (330, 45547), (386, 45319), (394, 45283),

Gene: Rimu_52 Start: 46652, Stop: 44973, Start Num: 87
Candidate Starts for Rimu_52:
(Start: 74 @46676 has 130 MA's), (Start: 87 @46652 has 14 MA's), (Start: 92 @46595 has 1 MA's), (Start: 94 @46586 has 2 MA's), (109, 46496), (113, 46463), (126, 46406), (128, 46394), (133, 46370), (136, 46358), (137, 46349), (149, 46289), (160, 46199), (166, 46154), (173, 46094), (183, 46040), (189, 45992), (192, 45971), (215, 45839), (225, 45770), (227, 45764), (229, 45737), (231, 45722), (236, 45680), (241, 45632), (245, 45602), (251, 45575), (285, 45449), (287, 45443), (291, 45416), (300, 45374), (301, 45371), (308, 45356), (310, 45350), (326, 45296), (330, 45287), (386, 45059), (394, 45023),

Gene: Rinkes_52 Start: 48706, Stop: 46910, Start Num: 52
Candidate Starts for Rinkes_52:
(Start: 52 @48706 has 1 MA's), (Start: 74 @48625 has 130 MA's), (97, 48520), (98, 48517), (111, 48418), (113, 48406), (133, 48316), (137, 48295), (142, 48268), (145, 48253), (156, 48166), (160, 48145), (183, 47992), (185, 47983), (189, 47944), (192, 47923), (193, 47920), (196, 47905), (201, 47863), (213, 47803), (215, 47791), (227, 47716), (229, 47689), (230, 47677), (231, 47674), (236, 47632), (238, 47617), (245, 47554), (256, 47503), (285, 47401), (292, 47365), (295, 47341), (299, 47326), (300, 47323), (306, 47308), (308, 47305), (330, 47215), (352, 47143), (359, 47110), (362, 47101), (386, 46987),

Gene: Rita130_51 Start: 47837, Stop: 46143, Start Num: 74
Candidate Starts for Rita130_51:
(Start: 74 @47837 has 130 MA's), (Start: 87 @47810 has 14 MA's), (96, 47738), (113, 47621), (133, 47531), (145, 47468), (149, 47450), (156, 47381), (160, 47360), (173, 47261), (183, 47207), (189, 47159), (192, 47138), (213, 47018), (219, 46982), (224, 46943), (225, 46937), (227, 46931), (229, 46904), (230, 46892), (231, 46889), (236, 46847), (241, 46799), (245, 46769), (257, 46703), (276, 46646), (281, 46634), (285, 46613), (286, 46610), (293, 46571), (300, 46535), (308, 46517), (368, 46316), (386, 46220),

Gene: Rita1961_53 Start: 47603, Stop: 45906, Start Num: 70
Candidate Starts for Rita1961_53:
(Start: 70 @47603 has 42 MA's), (Start: 108 @47405 has 1 MA's), (113, 47369), (126, 47312), (137, 47255), (145, 47213), (147, 47207), (152, 47150), (157, 47123), (160, 47105), (173, 47000), (187, 46910), (189, 46898), (192, 46877), (199, 46832), (210, 46769), (222, 46685), (226, 46670), (227, 46667), (228, 46664), (229, 46640), (232, 46622), (236, 46583), (241, 46535), (245, 46505), (250, 46481), (257, 46439), (283, 46361), (289, 46334), (298, 46283), (308, 46259), (326, 46211), (339, 46172), (356, 46130), (377, 46025), (386, 45983), (389, 45968),

Gene: Riverton_52 Start: 46968, Stop: 45265, Start Num: 73
Candidate Starts for Riverton_52:
(Start: 73 @46968 has 70 MA's), (Start: 87 @46944 has 14 MA's), (Start: 92 @46887 has 1 MA's), (Start: 94 @46878 has 2 MA's), (109, 46788), (113, 46755), (126, 46698), (128, 46686), (133, 46662), (136, 46650), (137, 46641), (149, 46581), (160, 46491), (166, 46446), (173, 46386), (183, 46332), (189, 46284), (192, 46263), (215, 46131), (225, 46062), (227, 46056), (229, 46029), (231, 46014), (236, 45972), (241, 45924), (245, 45894), (251, 45867), (285, 45741), (287, 45735), (291, 45708), (301, 45663), (308, 45648), (310, 45642), (326, 45588), (330, 45579), (386, 45351), (394, 45315),

Gene: Robyn_51 Start: 46634, Stop: 44829, Start Num: 40
Candidate Starts for Robyn_51:
(Start: 40 @46634 has 128 MA's), (Start: 74 @46532 has 130 MA's), (Start: 87 @46508 has 14 MA's), (Start: 92 @46451 has 1 MA's), (Start: 94 @46442 has 2 MA's), (109, 46352), (113, 46319), (126, 46262), (128, 46250), (133, 46226), (136, 46214), (137, 46205), (149, 46145), (160, 46055), (166, 46010), (173, 45950), (189, 45848), (192, 45827), (215, 45695), (225, 45626), (227, 45620), (229, 45593), (231, 45578), (236, 45536), (241, 45488), (245, 45458), (251, 45431), (285, 45305), (287, 45299), (291, 45272), (300, 45230), (301, 45227), (308, 45212), (310, 45206), (326, 45152), (330, 45143), (386, 44915), (394, 44879),

Gene: Roliet_52 Start: 46949, Stop: 45246, Start Num: 74
Candidate Starts for Roliet_52:
(Start: 40 @47042 has 128 MA's), (Start: 74 @46949 has 130 MA's), (Start: 87 @46925 has 14 MA's), (Start: 92 @46868 has 1 MA's), (Start: 94 @46859 has 2 MA's), (109, 46769), (113, 46736), (126, 46679), (128, 46667), (133, 46643), (136, 46631), (137, 46622), (149, 46562), (160, 46472), (166, 46427), (173, 46367), (183, 46313), (189, 46265), (192, 46244), (215, 46112), (225, 46043), (227, 46037), (229, 46010), (231, 45995), (236, 45953), (241, 45905), (245, 45875), (251, 45848), (285, 45722), (287, 45716), (291, 45689), (301, 45644), (308, 45629), (310, 45623), (326, 45569), (330, 45560), (386, 45332), (394, 45296),

Gene: RomaT_52 Start: 47751, Stop: 46054, Start Num: 70
Candidate Starts for RomaT_52:
(Start: 70 @47751 has 42 MA's), (Start: 108 @47553 has 1 MA's), (113, 47517), (126, 47460), (137, 47403), (145, 47361), (147, 47355), (152, 47298), (157, 47271), (160, 47253), (173, 47148), (187, 47058), (189, 47046), (192, 47025), (199, 46980), (210, 46917), (222, 46833), (226, 46818), (227, 46815), (228, 46812), (229, 46788), (232, 46770), (236, 46731), (241, 46683), (245, 46653), (250,

46629), (257, 46587), (283, 46509), (289, 46482), (298, 46431), (308, 46407), (339, 46320), (356, 46278), (377, 46173), (381, 46158), (386, 46131), (389, 46116),

Gene: Roscoe_53 Start: 47186, Stop: 45483, Start Num: 73
Candidate Starts for Roscoe_53:
(Start: 73 @47186 has 70 MA's), (Start: 87 @47162 has 14 MA's), (Start: 92 @47105 has 1 MA's), (Start: 94 @47096 has 2 MA's), (109, 47006), (113, 46973), (126, 46916), (128, 46904), (133, 46880), (136, 46868), (137, 46859), (149, 46799), (160, 46709), (166, 46664), (173, 46604), (189, 46502), (192, 46481), (215, 46349), (225, 46280), (227, 46274), (229, 46247), (231, 46232), (236, 46190), (241, 46142), (245, 46112), (251, 46085), (285, 45959), (287, 45953), (291, 45926), (300, 45884), (301, 45881), (308, 45866), (310, 45860), (326, 45806), (330, 45797), (386, 45569), (394, 45533),

Gene: Rosebush_50 Start: 46709, Stop: 44994, Start Num: 76
Candidate Starts for Rosebush_50:
(9, 47138), (11, 47102), (13, 47030), (15, 47015), (19, 46964), (Start: 76 @46709 has 36 MA's), (Start: 82 @46697 has 2 MA's), (107, 46526), (Start: 108 @46523 has 1 MA's), (113, 46487), (114, 46475), (117, 46466), (126, 46430), (127, 46427), (133, 46394), (145, 46331), (160, 46223), (166, 46184), (178, 46103), (183, 46070), (185, 46061), (189, 46022), (192, 46001), (193, 45998), (199, 45956), (201, 45941), (202, 45926), (209, 45896), (215, 45869), (220, 45821), (226, 45797), (227, 45794), (229, 45767), (230, 45755), (232, 45749), (236, 45710), (241, 45662), (245, 45632), (246, 45626), (256, 45581), (270, 45506), (273, 45494), (280, 45467), (281, 45464), (284, 45449), (295, 45383), (308, 45350), (332, 45272), (344, 45242), (345, 45239), (352, 45227), (361, 45188), (377, 45110), (386, 45068), (401, 45002),

Gene: Roy17_52 Start: 46640, Stop: 44937, Start Num: 73
Candidate Starts for Roy17_52:
(Start: 73 @46640 has 70 MA's), (Start: 87 @46616 has 14 MA's), (Start: 92 @46559 has 1 MA's), (Start: 94 @46550 has 2 MA's), (109, 46460), (113, 46427), (126, 46370), (128, 46358), (133, 46334), (136, 46322), (137, 46313), (149, 46253), (160, 46163), (166, 46118), (173, 46058), (183, 46004), (189, 45956), (192, 45935), (215, 45803), (225, 45734), (227, 45728), (229, 45701), (231, 45686), (236, 45644), (241, 45596), (245, 45566), (251, 45539), (285, 45413), (287, 45407), (291, 45380), (301, 45335), (308, 45320), (310, 45314), (326, 45260), (330, 45251), (386, 45023), (394, 44987),

Gene: SDcharge11_53 Start: 46928, Stop: 45225, Start Num: 73
Candidate Starts for SDcharge11_53:
(Start: 73 @46928 has 70 MA's), (Start: 87 @46904 has 14 MA's), (Start: 92 @46847 has 1 MA's), (Start: 94 @46838 has 2 MA's), (109, 46748), (113, 46715), (126, 46658), (128, 46646), (133, 46622), (136, 46610), (137, 46601), (149, 46541), (160, 46451), (166, 46406), (173, 46346), (189, 46244), (192, 46223), (215, 46091), (225, 46022), (227, 46016), (229, 45989), (231, 45974), (236, 45932), (241, 45884), (245, 45854), (251, 45827), (285, 45701), (287, 45695), (291, 45668), (301, 45623), (308, 45608), (310, 45602), (326, 45548), (330, 45539), (386, 45311), (394, 45275),

Gene: Sabella_50 Start: 46560, Stop: 44848, Start Num: 76
Candidate Starts for Sabella_50:
(9, 46989), (11, 46953), (13, 46881), (19, 46815), (Start: 76 @46560 has 36 MA's), (Start: 82 @46548 has 2 MA's), (107, 46377), (Start: 108 @46374 has 1 MA's), (113, 46338), (114, 46326), (117, 46317), (126, 46281), (127, 46278), (133, 46245), (145, 46182), (160, 46074), (166, 46035), (178, 45954), (183, 45921), (185, 45912), (189, 45873), (192, 45852), (193, 45849), (199, 45807), (201, 45792), (202, 45777), (209, 45747), (215, 45720), (219, 45696), (220, 45672), (226, 45648), (227, 45645), (229, 45618), (230, 45606), (232, 45600), (236, 45561), (241, 45513), (245, 45483), (246, 45477), (256, 45432), (270, 45357), (273, 45345), (280, 45321), (281, 45318), (284, 45303), (295, 45237), (308, 45204), (332, 45126), (344, 45096), (345, 45093), (352, 45081), (361, 45042), (377, 44964), (378, 44961), (386, 44922), (401, 44856),

Gene: Saguaro_54 Start: 49074, Stop: 47392, Start Num: 74
Candidate Starts for Saguaro_54:
(22, 49290), (62, 49146), (Start: 74 @49074 has 130 MA's), (97, 48972), (107, 48897), (113, 48858), (126, 48804), (133, 48768), (145, 48705), (156, 48618), (160, 48597), (161, 48576), (173, 48498), (178, 48477), (183, 48444), (188, 48399), (189, 48396), (192, 48375), (201, 48315), (227, 48168), (229, 48141), (230, 48129), (231, 48126), (236, 48084), (241, 48036), (245, 48006), (252, 47970), (281, 47883), (284, 47868), (285, 47862), (286, 47859), (295, 47802), (300, 47784), (308, 47766), (310, 47760), (316, 47742), (326, 47706), (352, 47622), (359, 47589), (362, 47580), (383, 47481), (386, 47466), (398, 47415), (399, 47412),

Gene: Salazzle_52 Start: 46507, Stop: 44828, Start Num: 87
Candidate Starts for Salazzle_52:
(Start: 40 @46624 has 128 MA's), (Start: 74 @46531 has 130 MA's), (Start: 87 @46507 has 14 MA's), (Start: 92 @46450 has 1 MA's), (Start: 94 @46441 has 2 MA's), (109, 46351), (113, 46318), (126, 46261), (128, 46249), (133, 46225), (136, 46213), (137, 46204), (149, 46144), (160, 46054), (166, 46009), (173, 45949), (183, 45895), (189, 45847), (192, 45826), (215, 45694), (225, 45625), (227, 45619), (229, 45592), (231, 45577), (236, 45535), (241, 45487), (245, 45457), (251, 45430), (285, 45304), (287, 45298), (291, 45271), (301, 45226), (308, 45211), (310, 45205), (326, 45151), (330, 45142), (386, 44914), (394, 44878),

Gene: Salete_54 Start: 44647, Stop: 46485, Start Num: 83
Candidate Starts for Salete_54:
(Start: 83 @44647 has 9 MA's), (91, 44692), (95, 44728), (97, 44734), (99, 44761), (107, 44821), (117, 44881), (133, 44953), (134, 44956), (136, 44965), (142, 45001), (148, 45025), (151, 45067), (154, 45088), (159, 45112), (162, 45139), (168, 45172), (170, 45199), (180, 45247), (184, 45277), (200, 45397), (201, 45406), (203, 45424), (207, 45442), (226, 45553), (227, 45556), (230, 45595), (236, 45640), (237, 45643), (248, 45733), (305, 46015), (315, 46042), (350, 46216), (358, 46252), (363, 46267), (382, 46369), (390, 46417), (393, 46426),

Gene: SallyH_53 Start: 47187, Stop: 45391, Start Num: 40
Candidate Starts for SallyH_53:
(Start: 40 @47187 has 128 MA's), (Start: 74 @47094 has 130 MA's), (Start: 87 @47070 has 14 MA's), (Start: 92 @47013 has 1 MA's), (Start: 94 @47004 has 2 MA's), (109, 46914), (113, 46881), (126, 46824), (128, 46812), (133, 46788), (136, 46776), (137, 46767), (149, 46707), (160, 46617), (166, 46572), (173, 46512), (189, 46410), (192, 46389), (215, 46257), (225, 46188), (227, 46182), (229, 46155), (231, 46140), (236, 46098), (241, 46050), (245, 46020), (251, 45993), (285, 45867), (287, 45861), (291, 45834), (300, 45792), (301, 45789), (308, 45774), (310, 45768), (326, 45714), (330, 45705), (386, 45477), (394, 45441),

Gene: Samaymay_52 Start: 46940, Stop: 45237, Start Num: 74
Candidate Starts for Samaymay_52:
(Start: 74 @46940 has 130 MA's), (Start: 87 @46916 has 14 MA's), (Start: 92 @46859 has 1 MA's), (Start: 94 @46850 has 2 MA's), (109, 46760), (113, 46727), (126, 46670), (128, 46658), (133, 46634), (136, 46622), (137, 46613), (149, 46553), (160, 46463), (166, 46418), (173, 46358), (183, 46304), (189, 46256), (192, 46235), (215, 46103), (225, 46034), (227, 46028), (229, 46001), (231, 45986), (236, 45944), (241, 45896), (245, 45866), (251, 45839), (285, 45713), (287, 45707), (291, 45680), (300, 45638), (301, 45635), (308, 45620), (310, 45614), (326, 45560), (330, 45551), (386, 45323), (394, 45287),

Gene: SassyCat97_51 Start: 46667, Stop: 44964, Start Num: 74
Candidate Starts for SassyCat97_51:

(Start: 74 @46667 has 130 MA's), (Start: 87 @46643 has 14 MA's), (Start: 92 @46586 has 1 MA's), (Start: 94 @46577 has 2 MA's), (109, 46487), (113, 46454), (126, 46397), (128, 46385), (133, 46361), (136, 46349), (137, 46340), (149, 46280), (160, 46190), (166, 46145), (173, 46085), (183, 46031), (189, 45983), (192, 45962), (215, 45830), (225, 45761), (227, 45755), (229, 45728), (231, 45713), (236, 45671), (241, 45623), (245, 45593), (251, 45566), (285, 45440), (287, 45434), (291, 45407), (300, 45365), (301, 45362), (308, 45347), (310, 45341), (326, 45287), (330, 45278), (386, 45050), (394, 45014),

Gene: Schadenfreude_52 Start: 46733, Stop: 45030, Start Num: 73
Candidate Starts for Schadenfreude_52:
(Start: 73 @46733 has 70 MA's), (Start: 87 @46709 has 14 MA's), (Start: 92 @46652 has 1 MA's), (Start: 94 @46643 has 2 MA's), (109, 46553), (113, 46520), (126, 46463), (128, 46451), (133, 46427), (136, 46415), (137, 46406), (149, 46346), (160, 46256), (166, 46211), (173, 46151), (189, 46049), (192, 46028), (215, 45896), (225, 45827), (227, 45821), (229, 45794), (231, 45779), (236, 45737), (241, 45689), (245, 45659), (251, 45632), (285, 45506), (287, 45500), (291, 45473), (301, 45428), (308, 45413), (310, 45407), (326, 45353), (330, 45344), (386, 45116), (394, 45080),

Gene: Schueller_51 Start: 46662, Stop: 44959, Start Num: 68
Candidate Starts for Schueller_51:
(Start: 68 @46662 has 1 MA's), (Start: 87 @46638 has 14 MA's), (Start: 92 @46581 has 1 MA's), (Start: 94 @46572 has 2 MA's), (109, 46482), (113, 46449), (126, 46392), (128, 46380), (133, 46356), (136, 46344), (137, 46335), (149, 46275), (160, 46185), (166, 46140), (173, 46080), (183, 46026), (189, 45978), (192, 45957), (215, 45825), (225, 45756), (227, 45750), (229, 45723), (231, 45708), (236, 45666), (241, 45618), (245, 45588), (251, 45561), (285, 45435), (287, 45429), (291, 45402), (301, 45357), (308, 45342), (310, 45336), (326, 45282), (330, 45273), (386, 45045), (394, 45009),

Gene: Scoot17C_53 Start: 47176, Stop: 45380, Start Num: 40
Candidate Starts for Scoot17C_53:
(Start: 40 @47176 has 128 MA's), (Start: 74 @47083 has 130 MA's), (Start: 87 @47059 has 14 MA's), (Start: 92 @47002 has 1 MA's), (Start: 94 @46993 has 2 MA's), (109, 46903), (113, 46870), (126, 46813), (128, 46801), (133, 46777), (136, 46765), (137, 46756), (149, 46696), (160, 46606), (166, 46561), (173, 46501), (189, 46399), (192, 46378), (215, 46246), (225, 46177), (227, 46171), (229, 46144), (231, 46129), (236, 46087), (241, 46039), (245, 46009), (251, 45982), (285, 45856), (287, 45850), (291, 45823), (300, 45781), (301, 45778), (308, 45763), (310, 45757), (326, 45703), (330, 45694), (386, 45466), (394, 45430),

Gene: Scrick_52 Start: 46676, Stop: 44973, Start Num: 74
Candidate Starts for Scrick_52:
(Start: 40 @46769 has 128 MA's), (Start: 74 @46676 has 130 MA's), (Start: 87 @46652 has 14 MA's), (Start: 92 @46595 has 1 MA's), (Start: 94 @46586 has 2 MA's), (109, 46496), (113, 46463), (126, 46406), (128, 46394), (133, 46370), (136, 46358), (137, 46349), (149, 46289), (160, 46199), (166, 46154), (173, 46094), (189, 45992), (192, 45971), (215, 45839), (225, 45770), (227, 45764), (229, 45737), (231, 45722), (236, 45680), (241, 45632), (245, 45602), (251, 45575), (285, 45449), (287, 45443), (291, 45416), (300, 45374), (301, 45371), (308, 45356), (310, 45350), (326, 45296), (330, 45287), (386, 45059), (394, 45023),

Gene: Selr12_52 Start: 46772, Stop: 44976, Start Num: 40
Candidate Starts for Selr12_52:
(Start: 40 @46772 has 128 MA's), (Start: 74 @46679 has 130 MA's), (Start: 87 @46655 has 14 MA's), (Start: 92 @46598 has 1 MA's), (Start: 94 @46589 has 2 MA's), (109, 46499), (113, 46466), (126, 46409), (128, 46397), (133, 46373), (136, 46361), (137, 46352), (149, 46292), (160, 46202), (166, 46157), (173, 46097), (189, 45995), (192, 45974), (215, 45842), (225, 45773), (227, 45767), (229, 45740), (231, 45725), (236, 45683), (241, 45635), (245, 45605), (251, 45578), (285, 45452), (287,

45446), (291, 45419), (300, 45377), (301, 45374), (308, 45359), (310, 45353), (326, 45299), (330, 45290), (386, 45062), (394, 45026),

Gene: Septica_51 Start: 46971, Stop: 45268, Start Num: 74
Candidate Starts for Septica_51:
(Start: 40 @47067 has 128 MA's), (Start: 74 @46971 has 130 MA's), (Start: 87 @46947 has 14 MA's), (Start: 92 @46890 has 1 MA's), (Start: 94 @46881 has 2 MA's), (109, 46791), (113, 46758), (126, 46701), (128, 46689), (133, 46665), (136, 46653), (137, 46644), (149, 46584), (160, 46494), (166, 46449), (173, 46389), (189, 46287), (192, 46266), (215, 46134), (225, 46065), (227, 46059), (229, 46032), (231, 46017), (236, 45975), (241, 45927), (245, 45897), (251, 45870), (285, 45744), (287, 45738), (291, 45711), (301, 45666), (308, 45651), (310, 45645), (326, 45591), (330, 45582), (386, 45354), (394, 45318),

Gene: Serendipitous_51 Start: 47665, Stop: 45971, Start Num: 74
Candidate Starts for Serendipitous_51:
(Start: 74 @47665 has 130 MA's), (113, 47449), (133, 47359), (145, 47296), (149, 47278), (152, 47233), (156, 47209), (160, 47188), (183, 47035), (189, 46987), (213, 46846), (219, 46810), (224, 46771), (225, 46765), (227, 46759), (229, 46732), (230, 46720), (231, 46717), (236, 46675), (241, 46627), (245, 46597), (276, 46474), (281, 46462), (285, 46441), (286, 46438), (299, 46366), (300, 46363), (308, 46345), (338, 46246), (354, 46198), (368, 46144), (386, 46048), (399, 45994),

Gene: Serendipity_52 Start: 46964, Stop: 45261, Start Num: 74
Candidate Starts for Serendipity_52:
(Start: 74 @46964 has 130 MA's), (Start: 87 @46940 has 14 MA's), (Start: 92 @46883 has 1 MA's), (Start: 94 @46874 has 2 MA's), (109, 46784), (113, 46751), (126, 46694), (128, 46682), (133, 46658), (136, 46646), (137, 46637), (149, 46577), (160, 46487), (166, 46442), (173, 46382), (183, 46328), (189, 46280), (192, 46259), (215, 46127), (225, 46058), (227, 46052), (229, 46025), (231, 46010), (236, 45968), (241, 45920), (245, 45890), (251, 45863), (285, 45737), (287, 45731), (291, 45704), (300, 45662), (301, 45659), (308, 45644), (310, 45638), (326, 45584), (330, 45575), (386, 45347), (394, 45311),

Gene: Serpentine_0052 Start: 47056, Stop: 45260, Start Num: 40
Candidate Starts for Serpentine_0052:
(Start: 40 @47056 has 128 MA's), (Start: 74 @46963 has 130 MA's), (Start: 87 @46939 has 14 MA's), (Start: 92 @46882 has 1 MA's), (Start: 94 @46873 has 2 MA's), (109, 46783), (113, 46750), (126, 46693), (128, 46681), (133, 46657), (136, 46645), (137, 46636), (149, 46576), (160, 46486), (166, 46441), (173, 46381), (183, 46327), (189, 46279), (192, 46258), (215, 46126), (225, 46057), (227, 46051), (229, 46024), (231, 46009), (236, 45967), (241, 45919), (245, 45889), (251, 45862), (285, 45736), (287, 45730), (291, 45703), (301, 45658), (308, 45643), (310, 45637), (326, 45583), (330, 45574), (386, 45346), (394, 45310),

Gene: ShadowBud_52 Start: 47067, Stop: 45271, Start Num: 40
Candidate Starts for ShadowBud_52:
(Start: 40 @47067 has 128 MA's), (Start: 74 @46974 has 130 MA's), (Start: 87 @46950 has 14 MA's), (Start: 92 @46893 has 1 MA's), (Start: 94 @46884 has 2 MA's), (109, 46794), (113, 46761), (126, 46704), (128, 46692), (133, 46668), (136, 46656), (137, 46647), (149, 46587), (160, 46497), (166, 46452), (173, 46392), (189, 46290), (192, 46269), (215, 46137), (225, 46068), (227, 46062), (229, 46035), (231, 46020), (236, 45978), (241, 45930), (245, 45900), (251, 45873), (285, 45747), (287, 45741), (291, 45714), (300, 45672), (301, 45669), (308, 45654), (310, 45648), (326, 45594), (330, 45585), (386, 45357), (394, 45321),

Gene: Shatter_46 Start: 40113, Stop: 38449, Start Num: 72
Candidate Starts for Shatter_46:

(42, 40215), (Start: 71 @40116 has 1 MA's), (Start: 72 @40113 has 21 MA's), (106, 39939), (107, 39933), (109, 39927), (113, 39894), (114, 39882), (126, 39837), (156, 39651), (160, 39630), (173, 39531), (178, 39510), (183, 39477), (189, 39429), (197, 39369), (224, 39213), (226, 39204), (229, 39174), (231, 39159), (236, 39117), (241, 39069), (245, 39039), (247, 39030), (308, 38796), (326, 38757), (330, 38748), (352, 38685), (380, 38562), (386, 38526), (401, 38460),

Gene: Sheila_52 Start: 46989, Stop: 45286, Start Num: 73
Candidate Starts for Sheila_52:
(Start: 73 @46989 has 70 MA's), (Start: 87 @46965 has 14 MA's), (Start: 92 @46908 has 1 MA's), (Start: 94 @46899 has 2 MA's), (109, 46809), (113, 46776), (126, 46719), (128, 46707), (133, 46683), (136, 46671), (137, 46662), (149, 46602), (160, 46512), (166, 46467), (173, 46407), (189, 46305), (192, 46284), (215, 46152), (225, 46083), (227, 46077), (229, 46050), (231, 46035), (236, 45993), (241, 45945), (245, 45915), (251, 45888), (285, 45762), (287, 45756), (291, 45729), (301, 45684), (308, 45669), (310, 45663), (326, 45609), (330, 45600), (386, 45372), (394, 45336),

Gene: Shenandoah_51 Start: 46817, Stop: 45120, Start Num: 70
Candidate Starts for Shenandoah_51:
(Start: 70 @46817 has 42 MA's), (Start: 108 @46619 has 1 MA's), (113, 46583), (126, 46526), (137, 46469), (145, 46427), (152, 46364), (157, 46337), (160, 46319), (173, 46214), (187, 46124), (189, 46112), (192, 46091), (199, 46046), (210, 45983), (222, 45899), (226, 45884), (227, 45881), (228, 45878), (229, 45854), (232, 45836), (236, 45797), (241, 45749), (245, 45719), (250, 45695), (257, 45653), (283, 45575), (289, 45548), (295, 45506), (298, 45497), (308, 45473), (339, 45386), (356, 45344), (377, 45239), (386, 45197), (389, 45182), (392, 45164),

Gene: Shenyu_52 Start: 48195, Stop: 46501, Start Num: 74
Candidate Starts for Shenyu_52:
(Start: 74 @48195 has 130 MA's), (Start: 87 @48168 has 14 MA's), (96, 48096), (113, 47979), (133, 47889), (145, 47826), (149, 47808), (156, 47739), (160, 47718), (173, 47619), (178, 47598), (183, 47565), (189, 47517), (213, 47376), (219, 47340), (224, 47301), (225, 47295), (227, 47289), (228, 47286), (229, 47262), (230, 47250), (231, 47247), (236, 47205), (245, 47127), (276, 47004), (281, 46992), (285, 46971), (286, 46968), (293, 46929), (295, 46911), (300, 46893), (308, 46875), (386, 46578),

Gene: ShiVal_52 Start: 46947, Stop: 45244, Start Num: 73
Candidate Starts for ShiVal_52:
(Start: 73 @46947 has 70 MA's), (Start: 87 @46923 has 14 MA's), (Start: 92 @46866 has 1 MA's), (Start: 94 @46857 has 2 MA's), (109, 46767), (113, 46734), (126, 46677), (128, 46665), (133, 46641), (136, 46629), (137, 46620), (149, 46560), (160, 46470), (166, 46425), (173, 46365), (189, 46263), (192, 46242), (215, 46110), (225, 46041), (227, 46035), (229, 46008), (231, 45993), (236, 45951), (241, 45903), (245, 45873), (251, 45846), (285, 45720), (287, 45714), (291, 45687), (300, 45645), (301, 45642), (308, 45627), (310, 45621), (326, 45567), (330, 45558), (386, 45330), (394, 45294),

Gene: Sigman_53 Start: 47167, Stop: 45371, Start Num: 40
Candidate Starts for Sigman_53:
(Start: 40 @47167 has 128 MA's), (Start: 74 @47074 has 130 MA's), (Start: 87 @47050 has 14 MA's), (Start: 92 @46993 has 1 MA's), (Start: 94 @46984 has 2 MA's), (109, 46894), (113, 46861), (126, 46804), (128, 46792), (133, 46768), (136, 46756), (137, 46747), (149, 46687), (160, 46597), (166, 46552), (173, 46492), (183, 46438), (189, 46390), (192, 46369), (215, 46237), (225, 46168), (227, 46162), (229, 46135), (231, 46120), (236, 46078), (241, 46030), (245, 46000), (251, 45973), (285, 45847), (287, 45841), (291, 45814), (300, 45772), (301, 45769), (308, 45754), (310, 45748), (326, 45694), (330, 45685), (386, 45457), (394, 45421),

Gene: SilverBell_52 Start: 46970, Stop: 45267, Start Num: 73

Candidate Starts for SilverBell_52:
(12, 47303), (14, 47276), (Start: 73 @46970 has 70 MA's), (Start: 87 @46946 has 14 MA's), (Start: 92 @46889 has 1 MA's), (Start: 94 @46880 has 2 MA's), (109, 46790), (113, 46757), (126, 46700), (128, 46688), (133, 46664), (136, 46652), (137, 46643), (149, 46583), (160, 46493), (166, 46448), (173, 46388), (189, 46286), (192, 46265), (215, 46133), (225, 46064), (227, 46058), (229, 46031), (231, 46016), (236, 45974), (241, 45926), (245, 45896), (251, 45869), (285, 45743), (287, 45737), (291, 45710), (300, 45668), (301, 45665), (308, 45650), (310, 45644), (326, 45590), (330, 45581), (386, 45353), (394, 45317),

Gene: Simielle_51 Start: 46726, Stop: 44930, Start Num: 40
Candidate Starts for Simielle_51:
(Start: 40 @46726 has 128 MA's), (Start: 74 @46633 has 130 MA's), (Start: 87 @46609 has 14 MA's), (Start: 92 @46552 has 1 MA's), (Start: 94 @46543 has 2 MA's), (109, 46453), (113, 46420), (126, 46363), (128, 46351), (133, 46327), (136, 46315), (137, 46306), (149, 46246), (160, 46156), (166, 46111), (173, 46051), (183, 45997), (189, 45949), (192, 45928), (215, 45796), (225, 45727), (227, 45721), (229, 45694), (231, 45679), (236, 45637), (241, 45589), (245, 45559), (251, 45532), (285, 45406), (287, 45400), (291, 45373), (301, 45328), (308, 45313), (310, 45307), (326, 45253), (330, 45244), (386, 45016), (394, 44980),

Gene: SirBeauregard_52 Start: 46739, Stop: 44943, Start Num: 40
Candidate Starts for SirBeauregard_52:
(Start: 40 @46739 has 128 MA's), (Start: 74 @46646 has 130 MA's), (Start: 87 @46622 has 14 MA's), (Start: 92 @46565 has 1 MA's), (Start: 94 @46556 has 2 MA's), (109, 46466), (113, 46433), (126, 46376), (128, 46364), (133, 46340), (136, 46328), (137, 46319), (149, 46259), (160, 46169), (166, 46124), (173, 46064), (183, 46010), (189, 45962), (192, 45941), (215, 45809), (225, 45740), (227, 45734), (229, 45707), (231, 45692), (236, 45650), (241, 45602), (245, 45572), (251, 45545), (285, 45419), (287, 45413), (291, 45386), (301, 45341), (308, 45326), (310, 45320), (326, 45266), (330, 45257), (386, 45029), (394, 44993),

Gene: SirJeffery_51 Start: 47836, Stop: 46142, Start Num: 74
Candidate Starts for SirJeffery_51:
(Start: 57 @47914 has 1 MA's), (Start: 74 @47836 has 130 MA's), (Start: 87 @47809 has 14 MA's), (97, 47734), (113, 47620), (133, 47530), (145, 47467), (149, 47449), (156, 47380), (160, 47359), (178, 47239), (189, 47158), (192, 47137), (213, 47017), (219, 46981), (224, 46942), (225, 46936), (227, 46930), (228, 46927), (229, 46903), (230, 46891), (231, 46888), (236, 46846), (241, 46798), (245, 46768), (276, 46645), (281, 46633), (285, 46612), (286, 46609), (293, 46570), (300, 46534), (308, 46516), (368, 46315), (386, 46219),

Gene: Sisko_45 Start: 40413, Stop: 38752, Start Num: 72
Candidate Starts for Sisko_45:
(Start: 72 @40413 has 21 MA's), (91, 40347), (97, 40305), (Start: 108 @40227 has 1 MA's), (109, 40224), (113, 40191), (126, 40134), (156, 39948), (160, 39927), (178, 39807), (189, 39726), (192, 39705), (196, 39687), (197, 39666), (199, 39660), (216, 39567), (226, 39501), (227, 39498), (229, 39471), (231, 39456), (236, 39414), (245, 39336), (255, 39288), (326, 39054), (330, 39045), (351, 38985), (352, 38982), (361, 38943), (380, 38859), (386, 38823),

Gene: Skippy_52 Start: 46934, Stop: 45231, Start Num: 74
Candidate Starts for Skippy_52:
(Start: 40 @47027 has 128 MA's), (Start: 74 @46934 has 130 MA's), (Start: 87 @46910 has 14 MA's), (Start: 92 @46853 has 1 MA's), (Start: 94 @46844 has 2 MA's), (109, 46754), (113, 46721), (126, 46664), (128, 46652), (133, 46628), (136, 46616), (137, 46607), (149, 46547), (160, 46457), (166, 46412), (173, 46352), (183, 46298), (189, 46250), (192, 46229), (215, 46097), (225, 46028), (227, 46022), (229, 45995), (231, 45980), (236, 45938), (241, 45890), (245, 45860), (251, 45833), (285,

45707), (287, 45701), (291, 45674), (301, 45629), (308, 45614), (310, 45608), (326, 45554), (330, 45545), (386, 45317), (394, 45281),

Gene: Slatt_52 Start: 46960, Stop: 45257, Start Num: 74
Candidate Starts for Slatt_52:
(Start: 40 @47053 has 128 MA's), (Start: 74 @46960 has 130 MA's), (Start: 87 @46936 has 14 MA's), (Start: 92 @46879 has 1 MA's), (Start: 94 @46870 has 2 MA's), (109, 46780), (113, 46747), (126, 46690), (128, 46678), (133, 46654), (136, 46642), (137, 46633), (149, 46573), (160, 46483), (166, 46438), (173, 46378), (183, 46324), (189, 46276), (192, 46255), (215, 46123), (225, 46054), (227, 46048), (229, 46021), (231, 46006), (236, 45964), (241, 45916), (245, 45886), (251, 45859), (285, 45733), (287, 45727), (291, 45700), (301, 45655), (308, 45640), (310, 45634), (326, 45580), (330, 45571), (386, 45343), (394, 45307),

Gene: SlippinJimmy_54 Start: 48385, Stop: 46688, Start Num: 70
Candidate Starts for SlippinJimmy_54:
(Start: 70 @48385 has 42 MA's), (Start: 108 @48187 has 1 MA's), (113, 48151), (126, 48094), (137, 48037), (145, 47995), (152, 47932), (157, 47905), (160, 47887), (173, 47782), (187, 47692), (189, 47680), (192, 47659), (199, 47614), (210, 47551), (222, 47467), (226, 47452), (227, 47449), (228, 47446), (229, 47422), (232, 47404), (236, 47365), (241, 47317), (245, 47287), (250, 47263), (257, 47221), (283, 47143), (289, 47116), (298, 47065), (308, 47041), (326, 46993), (339, 46954), (356, 46912), (377, 46807), (386, 46765), (389, 46750),

Gene: SoSeph_65 Start: 46099, Stop: 47808, Start Num: 79
Candidate Starts for SoSeph_65:
(Start: 79 @46099 has 26 MA's), (97, 46192), (Start: 108 @46270 has 1 MA's), (109, 46273), (112, 46297), (113, 46306), (122, 46345), (126, 46363), (137, 46420), (142, 46447), (143, 46450), (151, 46513), (160, 46573), (164, 46603), (166, 46612), (176, 46687), (177, 46690), (184, 46732), (185, 46735), (188, 46771), (189, 46774), (197, 46840), (198, 46843), (199, 46846), (201, 46861), (202, 46876), (205, 46891), (213, 46921), (215, 46933), (229, 47035), (230, 47047), (231, 47050), (232, 47053), (234, 47074), (236, 47092), (240, 47137), (241, 47140), (248, 47179), (252, 47200), (284, 47329), (295, 47398), (296, 47401), (306, 47434), (308, 47437), (309, 47440), (325, 47503), (327, 47512), (330, 47518), (334, 47542), (347, 47575), (361, 47638), (366, 47659), (370, 47674), (373, 47701), (374, 47710), (379, 47725),

Gene: Soile_52 Start: 46663, Stop: 44960, Start Num: 74
Candidate Starts for Soile_52:
(Start: 40 @46756 has 128 MA's), (Start: 74 @46663 has 130 MA's), (Start: 87 @46639 has 14 MA's), (Start: 92 @46582 has 1 MA's), (Start: 94 @46573 has 2 MA's), (109, 46483), (113, 46450), (126, 46393), (128, 46381), (133, 46357), (136, 46345), (137, 46336), (149, 46276), (160, 46186), (166, 46141), (173, 46081), (183, 46027), (189, 45979), (192, 45958), (215, 45826), (225, 45757), (227, 45751), (229, 45724), (231, 45709), (236, 45667), (241, 45619), (245, 45589), (251, 45562), (285, 45436), (287, 45430), (291, 45403), (301, 45358), (308, 45343), (310, 45337), (326, 45283), (330, 45274), (386, 45046), (394, 45010),

Gene: Solosis_51 Start: 46661, Stop: 44958, Start Num: 74
Candidate Starts for Solosis_51:
(Start: 74 @46661 has 130 MA's), (Start: 87 @46637 has 14 MA's), (Start: 92 @46580 has 1 MA's), (Start: 94 @46571 has 2 MA's), (109, 46481), (113, 46448), (126, 46391), (128, 46379), (133, 46355), (136, 46343), (137, 46334), (149, 46274), (160, 46184), (166, 46139), (173, 46079), (183, 46025), (189, 45977), (192, 45956), (215, 45824), (225, 45755), (227, 45749), (229, 45722), (231, 45707), (236, 45665), (241, 45617), (245, 45587), (251, 45560), (285, 45434), (287, 45428), (291, 45401), (300, 45359), (301, 45356), (308, 45341), (310, 45335), (326, 45281), (330, 45272), (386, 45044), (394, 45008),

Gene: Sophia_51 Start: 46655, Stop: 44952, Start Num: 74
Candidate Starts for Sophia_51:
(Start: 74 @46655 has 130 MA's), (Start: 87 @46631 has 14 MA's), (Start: 92 @46574 has 1 MA's), (Start: 94 @46565 has 2 MA's), (109, 46475), (113, 46442), (126, 46385), (128, 46373), (133, 46349), (136, 46337), (137, 46328), (149, 46268), (160, 46178), (166, 46133), (173, 46073), (183, 46019), (189, 45971), (192, 45950), (215, 45818), (225, 45749), (227, 45743), (229, 45716), (231, 45701), (236, 45659), (241, 45611), (245, 45581), (251, 45554), (285, 45428), (287, 45422), (291, 45395), (300, 45353), (301, 45350), (308, 45335), (310, 45329), (326, 45275), (330, 45266), (386, 45038), (394, 45002),

Gene: Soto_52 Start: 46961, Stop: 45258, Start Num: 73
Candidate Starts for Soto_52:
(Start: 73 @46961 has 70 MA's), (Start: 87 @46937 has 14 MA's), (Start: 92 @46880 has 1 MA's), (Start: 94 @46871 has 2 MA's), (109, 46781), (113, 46748), (126, 46691), (128, 46679), (133, 46655), (136, 46643), (137, 46634), (149, 46574), (160, 46484), (166, 46439), (173, 46379), (189, 46277), (192, 46256), (215, 46124), (225, 46055), (227, 46049), (229, 46022), (231, 46007), (236, 45965), (241, 45917), (245, 45887), (251, 45860), (285, 45734), (287, 45728), (291, 45701), (301, 45656), (308, 45641), (310, 45635), (326, 45581), (330, 45572), (386, 45344), (394, 45308),

Gene: Sour_50 Start: 44257, Stop: 42593, Start Num: 72
Candidate Starts for Sour_50:
(60, 44320), (Start: 72 @44257 has 21 MA's), (96, 44152), (97, 44149), (101, 44107), (107, 44074), (109, 44068), (113, 44035), (114, 44023), (149, 43861), (156, 43792), (160, 43771), (166, 43732), (178, 43651), (188, 43573), (189, 43570), (197, 43510), (199, 43504), (206, 43456), (216, 43411), (226, 43345), (227, 43342), (229, 43315), (230, 43303), (236, 43258), (241, 43210), (244, 43183), (245, 43180), (256, 43129), (306, 42937), (330, 42886), (351, 42826), (352, 42823), (361, 42784), (380, 42700), (386, 42664),

Gene: Spartan300_52 Start: 46946, Stop: 45243, Start Num: 73
Candidate Starts for Spartan300_52:
(Start: 73 @46946 has 70 MA's), (Start: 87 @46922 has 14 MA's), (Start: 92 @46865 has 1 MA's), (Start: 94 @46856 has 2 MA's), (109, 46766), (113, 46733), (126, 46676), (128, 46664), (133, 46640), (136, 46628), (137, 46619), (149, 46559), (160, 46469), (166, 46424), (173, 46364), (189, 46262), (192, 46241), (215, 46109), (225, 46040), (227, 46034), (229, 46007), (231, 45992), (236, 45950), (241, 45902), (245, 45872), (251, 45845), (285, 45719), (287, 45713), (291, 45686), (300, 45644), (301, 45641), (308, 45626), (310, 45620), (326, 45566), (330, 45557), (386, 45329), (394, 45293),

Gene: Squid_52 Start: 46667, Stop: 44964, Start Num: 74
Candidate Starts for Squid_52:
(Start: 74 @46667 has 130 MA's), (Start: 87 @46643 has 14 MA's), (Start: 92 @46586 has 1 MA's), (Start: 94 @46577 has 2 MA's), (109, 46487), (113, 46454), (126, 46397), (128, 46385), (133, 46361), (136, 46349), (137, 46340), (149, 46280), (160, 46190), (166, 46145), (173, 46085), (183, 46031), (189, 45983), (192, 45962), (215, 45830), (225, 45761), (227, 45755), (229, 45728), (231, 45713), (236, 45671), (241, 45623), (245, 45593), (251, 45566), (285, 45440), (287, 45434), (291, 45407), (300, 45365), (301, 45362), (308, 45347), (310, 45341), (326, 45287), (330, 45278), (386, 45050), (394, 45014),

Gene: Squiggle_52 Start: 46763, Stop: 44967, Start Num: 40
Candidate Starts for Squiggle_52:
(Start: 40 @46763 has 128 MA's), (Start: 74 @46670 has 130 MA's), (Start: 87 @46646 has 14 MA's), (Start: 92 @46589 has 1 MA's), (Start: 94 @46580 has 2 MA's), (109, 46490), (113, 46457), (126, 46400), (128, 46388), (133, 46364), (136, 46352), (137, 46343), (149, 46283), (160, 46193), (166,

46148), (173, 46088), (183, 46034), (189, 45986), (192, 45965), (215, 45833), (225, 45764), (227, 45758), (229, 45731), (231, 45716), (236, 45674), (241, 45626), (245, 45596), (251, 45569), (285, 45443), (287, 45437), (291, 45410), (301, 45365), (308, 45350), (310, 45344), (326, 45290), (330, 45281), (386, 45053), (394, 45017),

Gene: StAugustine_69 Start: 56677, Stop: 54917, Start Num: 74
Candidate Starts for StAugustine_69:
(Start: 74 @56677 has 130 MA's), (96, 56563), (100, 56530), (102, 56512), (107, 56485), (109, 56479), (113, 56446), (114, 56434), (137, 56332), (145, 56290), (156, 56203), (160, 56182), (166, 56143), (180, 56056), (187, 55993), (188, 55984), (189, 55981), (192, 55960), (209, 55855), (211, 55846), (215, 55828), (223, 55768), (225, 55759), (226, 55756), (227, 55753), (229, 55726), (231, 55711), (236, 55669), (245, 55591), (285, 55441), (289, 55423), (291, 55402), (298, 55366), (306, 55345), (308, 55342), (326, 55291), (337, 55252), (356, 55183), (386, 55042), (398, 54991), (405, 54958),

Gene: Stinger_46 Start: 45974, Stop: 44259, Start Num: 74
Candidate Starts for Stinger_46:
(Start: 74 @45974 has 130 MA's), (107, 45791), (110, 45782), (113, 45752), (117, 45731), (126, 45695), (133, 45659), (135, 45650), (145, 45596), (156, 45509), (160, 45488), (161, 45467), (173, 45389), (178, 45368), (183, 45335), (185, 45326), (188, 45290), (189, 45287), (193, 45263), (225, 45065), (227, 45059), (229, 45032), (230, 45020), (231, 45017), (236, 44975), (241, 44927), (245, 44897), (256, 44846), (278, 44771), (280, 44765), (285, 44741), (286, 44738), (292, 44705), (293, 44699), (300, 44663), (306, 44648), (308, 44645), (312, 44636), (317, 44618), (323, 44591), (330, 44570), (359, 44459), (383, 44351), (386, 44336),

Gene: StinkyVeggy_52 Start: 47981, Stop: 46287, Start Num: 74
Candidate Starts for StinkyVeggy_52:
(Start: 74 @47981 has 130 MA's), (Start: 87 @47954 has 14 MA's), (96, 47882), (113, 47765), (133, 47675), (136, 47663), (145, 47612), (149, 47594), (156, 47525), (160, 47504), (172, 47408), (178, 47384), (183, 47351), (189, 47303), (192, 47282), (213, 47162), (219, 47126), (224, 47087), (225, 47081), (227, 47075), (229, 47048), (230, 47036), (231, 47033), (236, 46991), (241, 46943), (245, 46913), (276, 46790), (285, 46757), (286, 46754), (292, 46721), (293, 46715), (295, 46697), (300, 46679), (308, 46661), (368, 46460), (386, 46364),

Gene: Struggle_51 Start: 46475, Stop: 44796, Start Num: 87
Candidate Starts for Struggle_51:
(Start: 40 @46592 has 128 MA's), (Start: 74 @46499 has 130 MA's), (Start: 87 @46475 has 14 MA's), (Start: 92 @46418 has 1 MA's), (Start: 94 @46409 has 2 MA's), (109, 46319), (113, 46286), (126, 46229), (128, 46217), (133, 46193), (136, 46181), (137, 46172), (149, 46112), (160, 46022), (166, 45977), (173, 45917), (183, 45863), (189, 45815), (192, 45794), (215, 45662), (225, 45593), (227, 45587), (229, 45560), (231, 45545), (236, 45503), (241, 45455), (245, 45425), (251, 45398), (285, 45272), (287, 45266), (291, 45239), (301, 45194), (308, 45179), (310, 45173), (326, 45119), (330, 45110), (386, 44882), (394, 44846),

Gene: Suffolk_52 Start: 46951, Stop: 45248, Start Num: 73
Candidate Starts for Suffolk_52:
(Start: 73 @46951 has 70 MA's), (Start: 87 @46927 has 14 MA's), (Start: 92 @46870 has 1 MA's), (Start: 94 @46861 has 2 MA's), (109, 46771), (113, 46738), (126, 46681), (128, 46669), (133, 46645), (136, 46633), (137, 46624), (149, 46564), (160, 46474), (166, 46429), (173, 46369), (189, 46267), (192, 46246), (215, 46114), (225, 46045), (227, 46039), (229, 46012), (231, 45997), (236, 45955), (241, 45907), (245, 45877), (251, 45850), (285, 45724), (287, 45718), (291, 45691), (301, 45646), (308, 45631), (310, 45625), (326, 45571), (330, 45562), (386, 45334), (394, 45298),

Gene: Suigeneris_53 Start: 48194, Stop: 46422, Start Num: 57

Candidate Starts for Suigeneris_53:
(Start: 57 @48194 has 1 MA's), (Start: 74 @48116 has 130 MA's), (Start: 87 @48089 has 14 MA's), (97, 48014), (113, 47900), (133, 47810), (145, 47747), (149, 47729), (156, 47660), (160, 47639), (173, 47540), (189, 47438), (192, 47417), (213, 47297), (219, 47261), (225, 47216), (227, 47210), (228, 47207), (229, 47183), (230, 47171), (231, 47168), (236, 47126), (241, 47078), (245, 47048), (276, 46925), (285, 46892), (286, 46889), (293, 46850), (300, 46814), (308, 46796), (368, 46595), (386, 46499),

Gene: Surely_52 Start: 46957, Stop: 45254, Start Num: 73
Candidate Starts for Surely_52:
(Start: 73 @46957 has 70 MA's), (Start: 87 @46933 has 14 MA's), (Start: 92 @46876 has 1 MA's), (Start: 94 @46867 has 2 MA's), (109, 46777), (113, 46744), (126, 46687), (128, 46675), (133, 46651), (136, 46639), (137, 46630), (149, 46570), (160, 46480), (166, 46435), (173, 46375), (183, 46321), (189, 46273), (192, 46252), (215, 46120), (225, 46051), (227, 46045), (229, 46018), (231, 46003), (236, 45961), (241, 45913), (245, 45883), (251, 45856), (285, 45730), (287, 45724), (291, 45697), (301, 45652), (308, 45637), (310, 45631), (326, 45577), (330, 45568), (386, 45340), (394, 45304),

Gene: SwainyDoc_53 Start: 47615, Stop: 45918, Start Num: 70
Candidate Starts for SwainyDoc_53:
(Start: 70 @47615 has 42 MA's), (Start: 108 @47417 has 1 MA's), (113, 47381), (126, 47324), (137, 47267), (145, 47225), (147, 47219), (152, 47162), (157, 47135), (160, 47117), (173, 47012), (176, 46997), (187, 46922), (189, 46910), (192, 46889), (199, 46844), (210, 46781), (222, 46697), (226, 46682), (227, 46679), (228, 46676), (229, 46652), (232, 46634), (236, 46595), (241, 46547), (245, 46517), (250, 46493), (257, 46451), (283, 46373), (289, 46346), (298, 46295), (308, 46271), (326, 46223), (339, 46184), (356, 46142), (377, 46037), (386, 45995), (389, 45980),

Gene: Swiphy_52 Start: 47045, Stop: 45249, Start Num: 40
Candidate Starts for Swiphy_52:
(Start: 40 @47045 has 128 MA's), (Start: 74 @46952 has 130 MA's), (Start: 87 @46928 has 14 MA's), (Start: 92 @46871 has 1 MA's), (Start: 94 @46862 has 2 MA's), (109, 46772), (113, 46739), (126, 46682), (128, 46670), (133, 46646), (136, 46634), (137, 46625), (149, 46565), (160, 46475), (166, 46430), (173, 46370), (189, 46268), (192, 46247), (215, 46115), (225, 46046), (227, 46040), (229, 46013), (231, 45998), (236, 45956), (241, 45908), (245, 45878), (251, 45851), (285, 45725), (287, 45719), (291, 45692), (301, 45647), (308, 45632), (310, 45626), (326, 45572), (330, 45563), (386, 45335), (394, 45299),

Gene: Swish_53 Start: 47189, Stop: 45393, Start Num: 40
Candidate Starts for Swish_53:
(Start: 40 @47189 has 128 MA's), (Start: 74 @47096 has 130 MA's), (Start: 87 @47072 has 14 MA's), (Start: 92 @47015 has 1 MA's), (Start: 94 @47006 has 2 MA's), (109, 46916), (113, 46883), (126, 46826), (128, 46814), (133, 46790), (136, 46778), (137, 46769), (149, 46709), (160, 46619), (166, 46574), (173, 46514), (189, 46412), (192, 46391), (215, 46259), (225, 46190), (227, 46184), (229, 46157), (231, 46142), (236, 46100), (241, 46052), (245, 46022), (251, 45995), (285, 45869), (287, 45863), (291, 45836), (300, 45794), (301, 45791), (308, 45776), (310, 45770), (326, 45716), (330, 45707), (386, 45479), (394, 45443),

Gene: SynergyX_52 Start: 47158, Stop: 45461, Start Num: 70
Candidate Starts for SynergyX_52:
(Start: 70 @47158 has 42 MA's), (Start: 108 @46960 has 1 MA's), (113, 46924), (126, 46867), (137, 46810), (145, 46768), (147, 46762), (152, 46705), (157, 46678), (160, 46660), (173, 46555), (187, 46465), (189, 46453), (192, 46432), (199, 46387), (210, 46324), (222, 46240), (226, 46225), (227, 46222), (228, 46219), (229, 46195), (232, 46177), (236, 46138), (241, 46090), (245, 46060), (250, 46036), (257, 45994), (283, 45916), (289, 45889), (298, 45838), (308, 45814), (326, 45766), (339,

45727), (356, 45685), (377, 45580), (386, 45538), (389, 45523),

Gene: TA17A_52 Start: 46559, Stop: 44844, Start Num: 76
Candidate Starts for TA17A_52:
(9, 46988), (11, 46952), (13, 46880), (19, 46814), (Start: 76 @46559 has 36 MA's), (Start: 82 @46547 has 2 MA's), (107, 46376), (Start: 108 @46373 has 1 MA's), (113, 46337), (114, 46325), (117, 46316), (126, 46280), (127, 46277), (133, 46244), (145, 46181), (160, 46073), (166, 46034), (178, 45953), (183, 45920), (185, 45911), (189, 45872), (192, 45851), (193, 45848), (199, 45806), (201, 45791), (202, 45776), (209, 45746), (215, 45719), (220, 45671), (226, 45647), (227, 45644), (229, 45617), (230, 45605), (232, 45599), (236, 45560), (241, 45512), (245, 45482), (246, 45476), (256, 45431), (270, 45356), (273, 45344), (280, 45317), (281, 45314), (284, 45299), (295, 45233), (308, 45200), (332, 45122), (344, 45092), (345, 45089), (352, 45077), (361, 45038), (386, 44918), (401, 44852),

Gene: TP1604_54 Start: 44652, Stop: 46490, Start Num: 83
Candidate Starts for TP1604_54:
(Start: 83 @44652 has 9 MA's), (91, 44697), (95, 44733), (97, 44739), (99, 44766), (107, 44826), (117, 44886), (133, 44958), (134, 44961), (136, 44970), (142, 45006), (148, 45030), (151, 45072), (154, 45093), (159, 45117), (162, 45144), (168, 45177), (170, 45204), (180, 45252), (184, 45282), (200, 45402), (201, 45411), (203, 45429), (207, 45447), (226, 45558), (227, 45561), (230, 45600), (236, 45645), (237, 45648), (248, 45738), (305, 46020), (315, 46047), (350, 46221), (358, 46257), (363, 46272), (382, 46374), (390, 46422), (393, 46431),

Gene: TPA2_58 Start: 46460, Stop: 44814, Start Num: 73
Candidate Starts for TPA2_58:
(Start: 73 @46460 has 70 MA's), (96, 46361), (105, 46295), (106, 46289), (113, 46244), (114, 46232), (145, 46088), (148, 46079), (160, 45980), (173, 45875), (178, 45854), (189, 45773), (193, 45749), (205, 45662), (214, 45629), (219, 45596), (225, 45551), (227, 45545), (229, 45518), (231, 45503), (236, 45461), (241, 45413), (245, 45383), (247, 45374), (259, 45314), (277, 45266), (285, 45236), (295, 45176), (303, 45152), (308, 45140), (360, 45023), (380, 44936), (384, 44912), (386, 44900),

Gene: TallGrassMM_52 Start: 46570, Stop: 44867, Start Num: 74
Candidate Starts for TallGrassMM_52:
(Start: 74 @46570 has 130 MA's), (Start: 87 @46546 has 14 MA's), (Start: 92 @46489 has 1 MA's), (Start: 94 @46480 has 2 MA's), (109, 46390), (113, 46357), (126, 46300), (128, 46288), (133, 46264), (136, 46252), (137, 46243), (149, 46183), (160, 46093), (166, 46048), (173, 45988), (183, 45934), (189, 45886), (192, 45865), (215, 45733), (225, 45664), (227, 45658), (229, 45631), (231, 45616), (236, 45574), (241, 45526), (245, 45496), (251, 45469), (285, 45343), (287, 45337), (291, 45310), (300, 45268), (301, 45265), (308, 45250), (310, 45244), (326, 45190), (330, 45181), (386, 44953), (394, 44917),

Gene: Taraxa_52 Start: 46245, Stop: 44449, Start Num: 40
Candidate Starts for Taraxa_52:
(Start: 40 @46245 has 128 MA's), (Start: 74 @46152 has 130 MA's), (Start: 87 @46128 has 14 MA's), (Start: 92 @46071 has 1 MA's), (Start: 94 @46062 has 2 MA's), (109, 45972), (113, 45939), (126, 45882), (128, 45870), (133, 45846), (136, 45834), (137, 45825), (149, 45765), (160, 45675), (166, 45630), (173, 45570), (183, 45516), (189, 45468), (192, 45447), (215, 45315), (225, 45246), (227, 45240), (229, 45213), (231, 45198), (236, 45156), (241, 45108), (245, 45078), (251, 45051), (285, 44925), (287, 44919), (291, 44892), (301, 44847), (308, 44832), (310, 44826), (326, 44772), (330, 44763), (386, 44535), (394, 44499),

Gene: Telesworld_51 Start: 46742, Stop: 44946, Start Num: 40
Candidate Starts for Telesworld_51:

(Start: 40 @46742 has 128 MA's), (Start: 74 @46649 has 130 MA's), (Start: 87 @46625 has 14 MA's), (Start: 92 @46568 has 1 MA's), (Start: 94 @46559 has 2 MA's), (109, 46469), (113, 46436), (126, 46379), (128, 46367), (133, 46343), (136, 46331), (137, 46322), (149, 46262), (160, 46172), (166, 46127), (173, 46067), (183, 46013), (189, 45965), (192, 45944), (215, 45812), (225, 45743), (227, 45737), (229, 45710), (231, 45695), (236, 45653), (241, 45605), (245, 45575), (251, 45548), (285, 45422), (287, 45416), (291, 45389), (301, 45344), (308, 45329), (310, 45323), (326, 45269), (330, 45260), (386, 45032), (394, 44996),

Gene: Thonko_54 Start: 46420, Stop: 44732, Start Num: 74
Candidate Starts for Thonko_54:
(Start: 74 @46420 has 130 MA's), (Start: 79 @46414 has 26 MA's), (107, 46243), (110, 46234), (113, 46204), (126, 46150), (136, 46102), (149, 46033), (152, 45988), (156, 45964), (160, 45943), (173, 45844), (178, 45823), (183, 45790), (189, 45742), (213, 45601), (215, 45589), (225, 45520), (227, 45514), (229, 45487), (230, 45475), (231, 45472), (236, 45430), (241, 45382), (245, 45352), (281, 45232), (285, 45211), (286, 45208), (292, 45175), (295, 45151), (359, 44932), (362, 44923), (368, 44905), (377, 44851), (382, 44833), (386, 44809), (398, 44758),

Gene: Thora_52 Start: 46956, Stop: 45253, Start Num: 73
Candidate Starts for Thora_52:
(Start: 73 @46956 has 70 MA's), (Start: 87 @46932 has 14 MA's), (Start: 92 @46875 has 1 MA's), (Start: 94 @46866 has 2 MA's), (109, 46776), (113, 46743), (126, 46686), (128, 46674), (133, 46650), (136, 46638), (137, 46629), (149, 46569), (160, 46479), (166, 46434), (173, 46374), (189, 46272), (192, 46251), (215, 46119), (225, 46050), (227, 46044), (229, 46017), (231, 46002), (236, 45960), (241, 45912), (245, 45882), (251, 45855), (285, 45729), (287, 45723), (291, 45696), (300, 45654), (301, 45651), (308, 45636), (310, 45630), (326, 45576), (330, 45567), (386, 45339), (394, 45303),

Gene: ThreeOh3D2_53 Start: 47182, Stop: 45386, Start Num: 40
Candidate Starts for ThreeOh3D2_53:
(Start: 40 @47182 has 128 MA's), (Start: 74 @47089 has 130 MA's), (Start: 87 @47065 has 14 MA's), (Start: 92 @47008 has 1 MA's), (Start: 94 @46999 has 2 MA's), (109, 46909), (113, 46876), (126, 46819), (128, 46807), (133, 46783), (136, 46771), (137, 46762), (149, 46702), (160, 46612), (166, 46567), (173, 46507), (189, 46405), (192, 46384), (215, 46252), (225, 46183), (227, 46177), (229, 46150), (231, 46135), (236, 46093), (241, 46045), (245, 46015), (251, 45988), (285, 45862), (287, 45856), (291, 45829), (300, 45787), (301, 45784), (308, 45769), (310, 45763), (326, 45709), (330, 45700), (386, 45472), (394, 45436),

Gene: Thunderbird_51 Start: 46747, Stop: 44951, Start Num: 40
Candidate Starts for Thunderbird_51:
(Start: 40 @46747 has 128 MA's), (Start: 74 @46654 has 130 MA's), (Start: 87 @46630 has 14 MA's), (Start: 92 @46573 has 1 MA's), (Start: 94 @46564 has 2 MA's), (109, 46474), (113, 46441), (126, 46384), (128, 46372), (133, 46348), (136, 46336), (137, 46327), (149, 46267), (160, 46177), (166, 46132), (173, 46072), (183, 46018), (189, 45970), (192, 45949), (215, 45817), (225, 45748), (227, 45742), (229, 45715), (231, 45700), (236, 45658), (241, 45610), (245, 45580), (251, 45553), (285, 45427), (287, 45421), (291, 45394), (301, 45349), (308, 45334), (310, 45328), (326, 45274), (330, 45265), (386, 45037), (394, 45001),

Gene: Thyatira_67 Start: 48091, Stop: 49800, Start Num: 79
Candidate Starts for Thyatira_67:
(Start: 79 @48091 has 26 MA's), (97, 48184), (101, 48226), (Start: 108 @48262 has 1 MA's), (109, 48265), (112, 48289), (113, 48298), (122, 48337), (126, 48355), (137, 48412), (142, 48439), (143, 48442), (151, 48505), (160, 48565), (164, 48595), (166, 48604), (173, 48664), (176, 48679), (177, 48682), (184, 48724), (185, 48727), (188, 48763), (189, 48766), (197, 48832), (198, 48835), (199, 48838), (201, 48853), (202, 48868), (205, 48883), (213, 48913), (215, 48925), (229, 49027), (230,

49039), (231, 49042), (232, 49045), (234, 49066), (236, 49084), (240, 49129), (241, 49132), (248, 49171), (252, 49192), (284, 49321), (295, 49390), (296, 49393), (306, 49426), (308, 49429), (309, 49432), (325, 49495), (327, 49504), (330, 49510), (334, 49534), (347, 49567), (361, 49630), (366, 49651), (370, 49666), (373, 49693), (374, 49702), (379, 49717),

Gene: Timmi_51 Start: 46656, Stop: 44953, Start Num: 74
Candidate Starts for Timmi_51:
(Start: 74 @46656 has 130 MA's), (Start: 87 @46632 has 14 MA's), (Start: 92 @46575 has 1 MA's), (Start: 94 @46566 has 2 MA's), (109, 46476), (113, 46443), (126, 46386), (128, 46374), (133, 46350), (136, 46338), (137, 46329), (149, 46269), (160, 46179), (166, 46134), (173, 46074), (183, 46020), (189, 45972), (192, 45951), (215, 45819), (225, 45750), (227, 45744), (229, 45717), (231, 45702), (236, 45660), (241, 45612), (245, 45582), (251, 45555), (285, 45429), (287, 45423), (291, 45396), (300, 45354), (301, 45351), (308, 45336), (310, 45330), (326, 45276), (330, 45267), (386, 45039), (394, 45003),

Gene: Tinciduntsolum_52 Start: 46721, Stop: 45006, Start Num: 76
Candidate Starts for Tinciduntsolum_52:
(9, 47150), (11, 47114), (13, 47042), (15, 47027), (19, 46976), (Start: 76 @46721 has 36 MA's), (Start: 82 @46709 has 2 MA's), (107, 46538), (Start: 108 @46535 has 1 MA's), (113, 46499), (114, 46487), (117, 46478), (126, 46442), (127, 46439), (133, 46406), (145, 46343), (160, 46235), (166, 46196), (178, 46115), (183, 46082), (185, 46073), (189, 46034), (192, 46013), (193, 46010), (199, 45968), (201, 45953), (202, 45938), (209, 45908), (215, 45881), (220, 45833), (226, 45809), (227, 45806), (229, 45779), (230, 45767), (232, 45761), (236, 45722), (241, 45674), (245, 45644), (246, 45638), (256, 45593), (270, 45518), (273, 45506), (280, 45479), (281, 45476), (284, 45461), (295, 45395), (308, 45362), (332, 45284), (344, 45254), (345, 45251), (352, 45239), (361, 45200), (377, 45122), (386, 45080), (401, 45014),

Gene: TinyTerror_53 Start: 47650, Stop: 45953, Start Num: 70
Candidate Starts for TinyTerror_53:
(Start: 70 @47650 has 42 MA's), (Start: 108 @47452 has 1 MA's), (113, 47416), (126, 47359), (137, 47302), (145, 47260), (147, 47254), (152, 47197), (157, 47170), (160, 47152), (173, 47047), (176, 47032), (187, 46957), (189, 46945), (192, 46924), (199, 46879), (210, 46816), (222, 46732), (226, 46717), (227, 46714), (228, 46711), (229, 46687), (232, 46669), (236, 46630), (241, 46582), (245, 46552), (250, 46528), (257, 46486), (283, 46408), (289, 46381), (295, 46339), (298, 46330), (308, 46306), (326, 46258), (339, 46219), (356, 46177), (377, 46072), (386, 46030), (389, 46015),

Gene: TomBombadil_52 Start: 46941, Stop: 45238, Start Num: 74
Candidate Starts for TomBombadil_52:
(Start: 74 @46941 has 130 MA's), (Start: 87 @46917 has 14 MA's), (Start: 92 @46860 has 1 MA's), (Start: 94 @46851 has 2 MA's), (109, 46761), (113, 46728), (126, 46671), (128, 46659), (133, 46635), (136, 46623), (137, 46614), (149, 46554), (160, 46464), (166, 46419), (173, 46359), (183, 46305), (189, 46257), (192, 46236), (215, 46104), (225, 46035), (227, 46029), (229, 46002), (231, 45987), (236, 45945), (241, 45897), (245, 45867), (251, 45840), (285, 45714), (287, 45708), (291, 45681), (300, 45639), (301, 45636), (308, 45621), (310, 45615), (326, 45561), (330, 45552), (386, 45324), (394, 45288),

Gene: Tomlarah_52 Start: 46944, Stop: 45241, Start Num: 74
Candidate Starts for Tomlarah_52:
(Start: 40 @47037 has 128 MA's), (Start: 74 @46944 has 130 MA's), (Start: 87 @46920 has 14 MA's), (Start: 92 @46863 has 1 MA's), (Start: 94 @46854 has 2 MA's), (109, 46764), (113, 46731), (126, 46674), (128, 46662), (133, 46638), (136, 46626), (137, 46617), (149, 46557), (160, 46467), (166, 46422), (173, 46362), (183, 46308), (189, 46260), (192, 46239), (215, 46107), (225, 46038), (227, 46032), (229, 46005), (231, 45990), (236, 45948), (241, 45900), (245, 45870), (251, 45843), (285,

45717), (287, 45711), (291, 45684), (301, 45639), (308, 45624), (310, 45618), (326, 45564), (330, 45555), (386, 45327), (394, 45291),

Gene: Toni_51 Start: 46741, Stop: 44945, Start Num: 40
Candidate Starts for Toni_51:
(Start: 40 @46741 has 128 MA's), (Start: 74 @46648 has 130 MA's), (Start: 87 @46624 has 14 MA's), (Start: 92 @46567 has 1 MA's), (Start: 94 @46558 has 2 MA's), (109, 46468), (113, 46435), (126, 46378), (128, 46366), (133, 46342), (136, 46330), (137, 46321), (149, 46261), (160, 46171), (166, 46126), (173, 46066), (189, 45964), (192, 45943), (215, 45811), (225, 45742), (227, 45736), (229, 45709), (231, 45694), (236, 45652), (241, 45604), (245, 45574), (251, 45547), (285, 45421), (287, 45415), (291, 45388), (300, 45346), (301, 45343), (308, 45328), (310, 45322), (326, 45268), (330, 45259), (386, 45031), (394, 44995),

Gene: TooFast2Furius_53 Start: 47186, Stop: 45483, Start Num: 73
Candidate Starts for TooFast2Furius_53:
(Start: 73 @47186 has 70 MA's), (Start: 87 @47162 has 14 MA's), (Start: 92 @47105 has 1 MA's), (Start: 94 @47096 has 2 MA's), (109, 47006), (113, 46973), (126, 46916), (128, 46904), (133, 46880), (136, 46868), (137, 46859), (149, 46799), (160, 46709), (166, 46664), (173, 46604), (183, 46550), (189, 46502), (192, 46481), (215, 46349), (225, 46280), (227, 46274), (229, 46247), (231, 46232), (236, 46190), (241, 46142), (245, 46112), (251, 46085), (285, 45959), (287, 45953), (291, 45926), (301, 45881), (308, 45866), (310, 45860), (326, 45806), (330, 45797), (386, 45569), (394, 45533),

Gene: Tooj_52 Start: 47023, Stop: 45320, Start Num: 73
Candidate Starts for Tooj_52:
(12, 47356), (14, 47329), (Start: 73 @47023 has 70 MA's), (Start: 87 @46999 has 14 MA's), (Start: 92 @46942 has 1 MA's), (Start: 94 @46933 has 2 MA's), (109, 46843), (113, 46810), (126, 46753), (128, 46741), (133, 46717), (136, 46705), (137, 46696), (149, 46636), (160, 46546), (166, 46501), (173, 46441), (189, 46339), (192, 46318), (215, 46186), (225, 46117), (227, 46111), (229, 46084), (231, 46069), (236, 46027), (241, 45979), (245, 45949), (251, 45922), (285, 45796), (287, 45790), (291, 45763), (301, 45718), (308, 45703), (310, 45697), (326, 45643), (330, 45634), (386, 45406), (394, 45370),

Gene: TraderJ_49 Start: 42301, Stop: 40634, Start Num: 72
Candidate Starts for TraderJ_49:
(Start: 72 @42301 has 21 MA's), (100, 42166), (107, 42121), (Start: 108 @42118 has 1 MA's), (113, 42082), (114, 42070), (156, 41836), (160, 41815), (173, 41713), (188, 41614), (189, 41611), (194, 41578), (213, 41470), (225, 41389), (226, 41386), (227, 41383), (229, 41356), (230, 41344), (231, 41341), (236, 41299), (245, 41221), (247, 41212), (254, 41179), (279, 41101), (281, 41092), (285, 41071), (286, 41068), (295, 41011), (306, 40981), (308, 40978), (362, 40828), (386, 40711), (401, 40645),

Gene: Tres_51 Start: 46572, Stop: 44857, Start Num: 76
Candidate Starts for Tres_51:
(9, 47001), (11, 46965), (13, 46893), (15, 46878), (19, 46827), (Start: 76 @46572 has 36 MA's), (Start: 82 @46560 has 2 MA's), (107, 46389), (Start: 108 @46386 has 1 MA's), (113, 46350), (114, 46338), (117, 46329), (126, 46293), (127, 46290), (133, 46257), (145, 46194), (160, 46086), (166, 46047), (178, 45966), (183, 45933), (185, 45924), (189, 45885), (192, 45864), (193, 45861), (199, 45819), (201, 45804), (202, 45789), (209, 45759), (215, 45732), (220, 45684), (226, 45660), (227, 45657), (229, 45630), (230, 45618), (232, 45612), (236, 45573), (241, 45525), (245, 45495), (246, 45489), (256, 45444), (270, 45369), (273, 45357), (280, 45330), (281, 45327), (284, 45312), (295, 45246), (308, 45213), (332, 45135), (344, 45105), (345, 45102), (352, 45090), (361, 45051), (377, 44973), (386, 44931), (401, 44865),

Gene: Triad_52 Start: 45827, Stop: 44124, Start Num: 74
Candidate Starts for Triad_52:
(Start: 40 @45923 has 128 MA's), (Start: 74 @45827 has 130 MA's), (Start: 87 @45803 has 14 MA's), (Start: 92 @45746 has 1 MA's), (Start: 94 @45737 has 2 MA's), (109, 45647), (113, 45614), (126, 45557), (128, 45545), (133, 45521), (136, 45509), (137, 45500), (149, 45440), (160, 45350), (166, 45305), (173, 45245), (189, 45143), (192, 45122), (215, 44990), (225, 44921), (227, 44915), (229, 44888), (231, 44873), (236, 44831), (241, 44783), (245, 44753), (251, 44726), (285, 44600), (287, 44594), (291, 44567), (301, 44522), (308, 44507), (310, 44501), (326, 44447), (330, 44438), (386, 44210), (394, 44174),

Gene: Trine_32 Start: 26687, Stop: 25041, Start Num: 81
Candidate Starts for Trine_32:
(42, 26819), (Start: 81 @26687 has 7 MA's), (96, 26594), (Start: 108 @26513 has 1 MA's), (109, 26510), (113, 26477), (114, 26465), (117, 26456), (124, 26435), (160, 26216), (172, 26126), (179, 26099), (180, 26096), (185, 26060), (189, 26021), (191, 26009), (193, 25997), (199, 25955), (213, 25880), (232, 25748), (236, 25709), (245, 25631), (256, 25580), (261, 25559), (267, 25541), (272, 25535), (289, 25463), (308, 25391), (352, 25271), (362, 25226), (386, 25112),

Gene: True_51 Start: 46747, Stop: 44951, Start Num: 40
Candidate Starts for True_51:
(Start: 40 @46747 has 128 MA's), (Start: 74 @46654 has 130 MA's), (Start: 87 @46630 has 14 MA's), (Start: 92 @46573 has 1 MA's), (Start: 94 @46564 has 2 MA's), (109, 46474), (113, 46441), (126, 46384), (128, 46372), (133, 46348), (136, 46336), (137, 46327), (149, 46267), (160, 46177), (166, 46132), (173, 46072), (189, 45970), (192, 45949), (215, 45817), (225, 45748), (227, 45742), (229, 45715), (231, 45700), (236, 45658), (241, 45610), (245, 45580), (251, 45553), (285, 45427), (287, 45421), (291, 45394), (300, 45352), (301, 45349), (308, 45334), (310, 45328), (326, 45274), (330, 45265), (386, 45037), (394, 45001),

Gene: Trypo_53 Start: 47061, Stop: 45382, Start Num: 87
Candidate Starts for Trypo_53:
(Start: 40 @47178 has 128 MA's), (Start: 74 @47085 has 130 MA's), (Start: 87 @47061 has 14 MA's), (Start: 92 @47004 has 1 MA's), (Start: 94 @46995 has 2 MA's), (109, 46905), (113, 46872), (126, 46815), (128, 46803), (133, 46779), (136, 46767), (137, 46758), (149, 46698), (160, 46608), (166, 46563), (173, 46503), (183, 46449), (189, 46401), (192, 46380), (215, 46248), (225, 46179), (227, 46173), (229, 46146), (231, 46131), (236, 46089), (241, 46041), (245, 46011), (251, 45984), (285, 45858), (287, 45852), (291, 45825), (301, 45780), (308, 45765), (310, 45759), (326, 45705), (330, 45696), (386, 45468), (394, 45432),

Gene: Tydolla_51 Start: 47892, Stop: 46195, Start Num: 70
Candidate Starts for Tydolla_51:
(Start: 70 @47892 has 42 MA's), (Start: 108 @47694 has 1 MA's), (113, 47658), (126, 47601), (137, 47544), (145, 47502), (147, 47496), (152, 47439), (157, 47412), (160, 47394), (173, 47289), (187, 47199), (189, 47187), (192, 47166), (199, 47121), (210, 47058), (222, 46974), (226, 46959), (227, 46956), (228, 46953), (229, 46929), (232, 46911), (236, 46872), (241, 46824), (245, 46794), (250, 46770), (257, 46728), (283, 46650), (289, 46623), (298, 46572), (308, 46548), (326, 46500), (339, 46461), (356, 46419), (377, 46314), (386, 46272), (389, 46257),

Gene: TyrionL_51 Start: 46603, Stop: 44807, Start Num: 40
Candidate Starts for TyrionL_51:
(Start: 40 @46603 has 128 MA's), (Start: 74 @46510 has 130 MA's), (Start: 87 @46486 has 14 MA's), (Start: 92 @46429 has 1 MA's), (Start: 94 @46420 has 2 MA's), (109, 46330), (113, 46297), (126, 46240), (128, 46228), (133, 46204), (136, 46192), (137, 46183), (149, 46123), (160, 46033), (166, 45988), (173, 45928), (183, 45874), (189, 45826), (192, 45805), (215, 45673), (225, 45604), (227,

45598), (229, 45571), (231, 45556), (236, 45514), (241, 45466), (245, 45436), (251, 45409), (285, 45283), (287, 45277), (291, 45250), (301, 45205), (308, 45190), (310, 45184), (326, 45130), (330, 45121), (386, 44893), (394, 44857),

Gene: UAch1_52 Start: 46978, Stop: 45275, Start Num: 73
Candidate Starts for UAch1_52:
(12, 47311), (14, 47284), (Start: 73 @46978 has 70 MA's), (Start: 87 @46954 has 14 MA's), (Start: 92 @46897 has 1 MA's), (Start: 94 @46888 has 2 MA's), (109, 46798), (113, 46765), (126, 46708), (128, 46696), (133, 46672), (136, 46660), (137, 46651), (149, 46591), (160, 46501), (166, 46456), (173, 46396), (189, 46294), (192, 46273), (215, 46141), (225, 46072), (227, 46066), (229, 46039), (231, 46024), (236, 45982), (241, 45934), (245, 45904), (251, 45877), (285, 45751), (287, 45745), (291, 45718), (300, 45676), (301, 45673), (308, 45658), (310, 45652), (326, 45598), (330, 45589), (386, 45361), (394, 45325),

Gene: UncleHowie_52 Start: 46653, Stop: 44950, Start Num: 73
Candidate Starts for UncleHowie_52:
(12, 46986), (14, 46959), (Start: 73 @46653 has 70 MA's), (Start: 87 @46629 has 14 MA's), (Start: 92 @46572 has 1 MA's), (Start: 94 @46563 has 2 MA's), (109, 46473), (113, 46440), (126, 46383), (128, 46371), (133, 46347), (136, 46335), (137, 46326), (149, 46266), (160, 46176), (166, 46131), (173, 46071), (189, 45969), (192, 45948), (215, 45816), (225, 45747), (227, 45741), (229, 45714), (231, 45699), (236, 45657), (241, 45609), (245, 45579), (251, 45552), (285, 45426), (287, 45420), (291, 45393), (301, 45348), (308, 45333), (310, 45327), (326, 45273), (330, 45264), (386, 45036), (394, 45000),

Gene: Upyo_33 Start: 27921, Stop: 26278, Start Num: 81
Candidate Starts for Upyo_33:
(Start: 81 @27921 has 7 MA's), (88, 27888), (91, 27870), (109, 27744), (113, 27711), (114, 27699), (137, 27603), (145, 27561), (160, 27450), (169, 27387), (178, 27336), (180, 27330), (185, 27294), (189, 27255), (191, 27243), (193, 27231), (197, 27195), (199, 27189), (232, 26982), (236, 26943), (245, 26865), (256, 26814), (275, 26757), (293, 26673), (308, 26625), (355, 26493), (356, 26481), (386, 26343),

Gene: Usavi_52 Start: 47045, Stop: 45249, Start Num: 40
Candidate Starts for Usavi_52:
(Start: 40 @47045 has 128 MA's), (Start: 74 @46952 has 130 MA's), (Start: 87 @46928 has 14 MA's), (Start: 92 @46871 has 1 MA's), (Start: 94 @46862 has 2 MA's), (109, 46772), (113, 46739), (126, 46682), (128, 46670), (133, 46646), (136, 46634), (137, 46625), (149, 46565), (160, 46475), (166, 46430), (173, 46370), (183, 46316), (189, 46268), (192, 46247), (215, 46115), (225, 46046), (227, 46040), (229, 46013), (231, 45998), (236, 45956), (241, 45908), (245, 45878), (251, 45851), (285, 45725), (287, 45719), (291, 45692), (301, 45647), (308, 45632), (310, 45626), (326, 45572), (330, 45563), (386, 45335), (394, 45299),

Gene: Vaishali24_51 Start: 46624, Stop: 44921, Start Num: 74
Candidate Starts for Vaishali24_51:
(Start: 40 @46720 has 128 MA's), (Start: 74 @46624 has 130 MA's), (Start: 87 @46600 has 14 MA's), (Start: 92 @46543 has 1 MA's), (Start: 94 @46534 has 2 MA's), (109, 46444), (113, 46411), (126, 46354), (128, 46342), (133, 46318), (136, 46306), (137, 46297), (149, 46237), (160, 46147), (166, 46102), (173, 46042), (189, 45940), (192, 45919), (215, 45787), (225, 45718), (227, 45712), (229, 45685), (231, 45670), (236, 45628), (241, 45580), (245, 45550), (251, 45523), (285, 45397), (287, 45391), (291, 45364), (300, 45322), (301, 45319), (308, 45304), (310, 45298), (326, 45244), (330, 45235), (386, 45007), (394, 44971),

Gene: Valjean_52 Start: 46949, Stop: 45246, Start Num: 74

Candidate Starts for Valjean_52:
(12, 47267), (14, 47240), (Start: 74 @46949 has 130 MA's), (Start: 87 @46925 has 14 MA's), (Start: 92 @46868 has 1 MA's), (Start: 94 @46859 has 2 MA's), (109, 46769), (113, 46736), (126, 46679), (128, 46667), (133, 46643), (136, 46631), (137, 46622), (149, 46562), (160, 46472), (166, 46427), (173, 46367), (183, 46313), (189, 46265), (192, 46244), (215, 46112), (225, 46043), (227, 46037), (229, 46010), (231, 45995), (236, 45953), (241, 45905), (245, 45875), (251, 45848), (285, 45722), (287, 45716), (291, 45689), (301, 45644), (308, 45629), (310, 45623), (326, 45569), (330, 45560), (386, 45332), (394, 45296),

Gene: Vaticameos_48 Start: 44635, Stop: 42932, Start Num: 74
Candidate Starts for Vaticameos_48:
(Start: 40 @44728 has 128 MA's), (Start: 74 @44635 has 130 MA's), (Start: 87 @44611 has 14 MA's), (Start: 92 @44554 has 1 MA's), (Start: 94 @44545 has 2 MA's), (109, 44455), (113, 44422), (126, 44365), (128, 44353), (133, 44329), (136, 44317), (137, 44308), (149, 44248), (160, 44158), (166, 44113), (173, 44053), (183, 43999), (189, 43951), (192, 43930), (215, 43798), (225, 43729), (227, 43723), (229, 43696), (231, 43681), (236, 43639), (241, 43591), (245, 43561), (251, 43534), (285, 43408), (287, 43402), (291, 43375), (301, 43330), (308, 43315), (310, 43309), (326, 43255), (330, 43246), (386, 43018), (394, 42982),

Gene: Vectra_51 Start: 46609, Stop: 44813, Start Num: 40
Candidate Starts for Vectra_51:
(Start: 40 @46609 has 128 MA's), (Start: 74 @46516 has 130 MA's), (Start: 87 @46492 has 14 MA's), (Start: 92 @46435 has 1 MA's), (Start: 94 @46426 has 2 MA's), (109, 46336), (113, 46303), (126, 46246), (128, 46234), (133, 46210), (136, 46198), (137, 46189), (149, 46129), (160, 46039), (166, 45994), (173, 45934), (183, 45880), (189, 45832), (192, 45811), (215, 45679), (225, 45610), (227, 45604), (229, 45577), (231, 45562), (236, 45520), (241, 45472), (245, 45442), (251, 45415), (285, 45289), (287, 45283), (291, 45256), (301, 45211), (308, 45196), (310, 45190), (326, 45136), (330, 45127), (386, 44899), (394, 44863),

Gene: Veritas_51 Start: 46528, Stop: 44825, Start Num: 74
Candidate Starts for Veritas_51:
(Start: 40 @46621 has 128 MA's), (Start: 74 @46528 has 130 MA's), (Start: 87 @46504 has 14 MA's), (Start: 92 @46447 has 1 MA's), (Start: 94 @46438 has 2 MA's), (109, 46348), (113, 46315), (126, 46258), (128, 46246), (133, 46222), (136, 46210), (137, 46201), (149, 46141), (160, 46051), (166, 46006), (173, 45946), (183, 45892), (189, 45844), (192, 45823), (215, 45691), (225, 45622), (227, 45616), (229, 45589), (231, 45574), (236, 45532), (241, 45484), (245, 45454), (251, 45427), (285, 45301), (287, 45295), (291, 45268), (301, 45223), (308, 45208), (310, 45202), (326, 45148), (330, 45139), (386, 44911), (394, 44875),

Gene: Vic9_00050 Start: 47078, Stop: 45378, Start Num: 82
Candidate Starts for Vic9_00050:
(Start: 76 @47090 has 36 MA's), (Start: 82 @47078 has 2 MA's), (107, 46907), (Start: 108 @46904 has 1 MA's), (113, 46868), (114, 46856), (117, 46847), (126, 46811), (127, 46808), (133, 46775), (145, 46712), (160, 46604), (166, 46565), (178, 46484), (183, 46451), (185, 46442), (189, 46403), (192, 46382), (193, 46379), (199, 46337), (201, 46322), (202, 46307), (209, 46277), (215, 46250), (219, 46226), (220, 46202), (226, 46178), (227, 46175), (229, 46148), (230, 46136), (232, 46130), (236, 46091), (241, 46043), (245, 46013), (256, 45962), (258, 45935), (270, 45887), (273, 45875), (280, 45851), (281, 45848), (284, 45833), (295, 45767), (308, 45734), (332, 45656), (344, 45626), (345, 45623), (352, 45611), (361, 45572), (377, 45494), (386, 45452), (401, 45386),

Gene: Vincenzo_49 Start: 48162, Stop: 46462, Start Num: 74
Candidate Starts for Vincenzo_49:

(7, 48621), (Start: 74 @48162 has 130 MA's), (88, 48114), (110, 47970), (113, 47940), (126, 47883), (128, 47871), (136, 47835), (156, 47697), (160, 47676), (178, 47556), (183, 47523), (189, 47475), (193, 47451), (196, 47436), (215, 47322), (224, 47259), (227, 47247), (229, 47220), (230, 47208), (231, 47205), (236, 47163), (241, 47115), (245, 47085), (254, 47043), (256, 47034), (280, 46962), (281, 46959), (285, 46938), (292, 46902), (293, 46896), (295, 46878), (300, 46860), (306, 46845), (317, 46815), (359, 46662), (383, 46554), (386, 46539), (398, 46488),

Gene: VioletZ_49 Start: 47515, Stop: 45803, Start Num: 74
Candidate Starts for VioletZ_49:
(Start: 74 @47515 has 130 MA's), (107, 47332), (113, 47293), (117, 47272), (133, 47203), (149, 47122), (156, 47053), (160, 47032), (173, 46933), (178, 46912), (183, 46879), (185, 46870), (188, 46834), (189, 46831), (193, 46807), (211, 46696), (213, 46690), (215, 46678), (225, 46609), (227, 46603), (229, 46576), (230, 46564), (231, 46561), (236, 46519), (241, 46471), (245, 46441), (281, 46306), (284, 46291), (285, 46285), (286, 46282), (292, 46249), (293, 46243), (294, 46234), (300, 46207), (306, 46192), (308, 46189), (312, 46180), (317, 46162), (323, 46135), (330, 46114), (359, 46003), (386, 45880), (395, 45841), (398, 45829),

Gene: Virapocalypse_52 Start: 47037, Stop: 45241, Start Num: 40
Candidate Starts for Virapocalypse_52:
(Start: 40 @47037 has 128 MA's), (Start: 74 @46944 has 130 MA's), (Start: 87 @46920 has 14 MA's), (Start: 92 @46863 has 1 MA's), (Start: 94 @46854 has 2 MA's), (109, 46764), (113, 46731), (126, 46674), (128, 46662), (133, 46638), (136, 46626), (137, 46617), (149, 46557), (160, 46467), (166, 46422), (173, 46362), (183, 46308), (189, 46260), (192, 46239), (215, 46107), (225, 46038), (227, 46032), (229, 46005), (231, 45990), (236, 45948), (241, 45900), (245, 45870), (251, 45843), (285, 45717), (287, 45711), (291, 45684), (301, 45639), (308, 45624), (310, 45618), (326, 45564), (330, 45555), (386, 45327), (394, 45291),

Gene: Virgeve_51 Start: 46811, Stop: 45015, Start Num: 40
Candidate Starts for Virgeve_51:
(Start: 40 @46811 has 128 MA's), (Start: 74 @46718 has 130 MA's), (Start: 87 @46694 has 14 MA's), (Start: 92 @46637 has 1 MA's), (Start: 94 @46628 has 2 MA's), (109, 46538), (113, 46505), (126, 46448), (128, 46436), (133, 46412), (136, 46400), (137, 46391), (149, 46331), (160, 46241), (166, 46196), (173, 46136), (183, 46082), (189, 46034), (192, 46013), (215, 45881), (225, 45812), (227, 45806), (229, 45779), (231, 45764), (236, 45722), (241, 45674), (245, 45644), (251, 45617), (285, 45491), (287, 45485), (291, 45458), (301, 45413), (308, 45398), (310, 45392), (326, 45338), (330, 45329), (386, 45101), (394, 45065),

Gene: Vista_52 Start: 46930, Stop: 45251, Start Num: 87
Candidate Starts for Vista_52:
(12, 47287), (14, 47260), (Start: 73 @46954 has 70 MA's), (Start: 87 @46930 has 14 MA's), (Start: 92 @46873 has 1 MA's), (Start: 94 @46864 has 2 MA's), (109, 46774), (113, 46741), (126, 46684), (128, 46672), (133, 46648), (136, 46636), (137, 46627), (149, 46567), (160, 46477), (166, 46432), (173, 46372), (189, 46270), (192, 46249), (215, 46117), (225, 46048), (227, 46042), (229, 46015), (231, 46000), (236, 45958), (241, 45910), (245, 45880), (251, 45853), (285, 45727), (287, 45721), (291, 45694), (301, 45649), (308, 45634), (310, 45628), (326, 45574), (330, 45565), (386, 45337), (394, 45301),

Gene: Vivaldi_54 Start: 47616, Stop: 45913, Start Num: 74
Candidate Starts for Vivaldi_54:
(12, 47928), (14, 47901), (Start: 74 @47616 has 130 MA's), (Start: 87 @47592 has 14 MA's), (Start: 92 @47535 has 1 MA's), (Start: 94 @47526 has 2 MA's), (109, 47436), (113, 47403), (126, 47346), (128, 47334), (133, 47310), (136, 47298), (137, 47289), (149, 47229), (160, 47139), (166, 47094), (173, 47034), (189, 46932), (192, 46911), (215, 46779), (225, 46710), (227, 46704), (229, 46677), (231,

46662), (236, 46620), (241, 46572), (245, 46542), (251, 46515), (285, 46389), (287, 46383), (291, 46356), (301, 46311), (308, 46296), (310, 46290), (326, 46236), (330, 46227), (386, 45999), (394, 45963),

Gene: ViviJ_63 Start: 43824, Stop: 45536, Start Num: 79
Candidate Starts for ViviJ_63:
(Start: 79 @43824 has 26 MA's), (97, 43917), (101, 43959), (Start: 108 @43995 has 1 MA's), (109, 43998), (112, 44022), (113, 44031), (122, 44070), (126, 44088), (137, 44145), (142, 44172), (143, 44175), (151, 44238), (160, 44298), (164, 44328), (166, 44337), (176, 44412), (177, 44415), (185, 44460), (187, 44487), (188, 44496), (189, 44499), (197, 44565), (198, 44568), (199, 44571), (201, 44586), (202, 44601), (213, 44646), (215, 44658), (228, 44736), (229, 44760), (230, 44772), (231, 44775), (232, 44778), (234, 44799), (236, 44817), (241, 44865), (248, 44904), (252, 44925), (273, 45009), (284, 45051), (289, 45075), (295, 45120), (296, 45123), (306, 45156), (315, 45180), (327, 45234), (330, 45240), (334, 45264), (366, 45381), (373, 45423), (379, 45447),

Gene: Vortex_52 Start: 46651, Stop: 44948, Start Num: 74
Candidate Starts for Vortex_52:
(Start: 74 @46651 has 130 MA's), (Start: 87 @46627 has 14 MA's), (Start: 92 @46570 has 1 MA's), (Start: 94 @46561 has 2 MA's), (109, 46471), (113, 46438), (126, 46381), (128, 46369), (133, 46345), (136, 46333), (137, 46324), (149, 46264), (160, 46174), (166, 46129), (173, 46069), (183, 46015), (189, 45967), (192, 45946), (215, 45814), (225, 45745), (227, 45739), (229, 45712), (231, 45697), (236, 45655), (241, 45607), (245, 45577), (251, 45550), (285, 45424), (287, 45418), (291, 45391), (300, 45349), (301, 45346), (308, 45331), (310, 45325), (326, 45271), (330, 45262), (386, 45034), (394, 44998),

Gene: Waleliano_47 Start: 47428, Stop: 45719, Start Num: 74
Candidate Starts for Waleliano_47:
(Start: 74 @47428 has 130 MA's), (107, 47245), (113, 47206), (117, 47185), (133, 47116), (149, 47035), (156, 46966), (160, 46945), (173, 46846), (178, 46825), (183, 46792), (185, 46783), (188, 46747), (189, 46744), (193, 46720), (211, 46609), (213, 46603), (215, 46591), (225, 46522), (227, 46516), (229, 46489), (230, 46477), (231, 46474), (236, 46432), (241, 46384), (245, 46354), (256, 46303), (281, 46222), (284, 46207), (285, 46201), (286, 46198), (292, 46165), (293, 46159), (294, 46150), (300, 46123), (306, 46108), (308, 46105), (312, 46096), (317, 46078), (323, 46051), (330, 46030), (359, 45919), (386, 45796), (395, 45757), (398, 45745),

Gene: Wallhey_51 Start: 46514, Stop: 44811, Start Num: 74
Candidate Starts for Wallhey_51:
(Start: 40 @46607 has 128 MA's), (Start: 74 @46514 has 130 MA's), (Start: 87 @46490 has 14 MA's), (Start: 92 @46433 has 1 MA's), (Start: 94 @46424 has 2 MA's), (109, 46334), (113, 46301), (126, 46244), (128, 46232), (133, 46208), (136, 46196), (137, 46187), (149, 46127), (160, 46037), (166, 45992), (173, 45932), (183, 45878), (189, 45830), (192, 45809), (215, 45677), (225, 45608), (227, 45602), (229, 45575), (231, 45560), (236, 45518), (241, 45470), (245, 45440), (251, 45413), (285, 45287), (287, 45281), (291, 45254), (301, 45209), (308, 45194), (310, 45188), (326, 45134), (330, 45125), (386, 44897), (394, 44861),

Gene: Waterdiva_52 Start: 47039, Stop: 45243, Start Num: 40
Candidate Starts for Waterdiva_52:
(Start: 40 @47039 has 128 MA's), (Start: 74 @46946 has 130 MA's), (Start: 87 @46922 has 14 MA's), (Start: 92 @46865 has 1 MA's), (Start: 94 @46856 has 2 MA's), (109, 46766), (113, 46733), (126, 46676), (128, 46664), (133, 46640), (136, 46628), (137, 46619), (149, 46559), (160, 46469), (166, 46424), (173, 46364), (183, 46310), (189, 46262), (192, 46241), (215, 46109), (225, 46040), (227, 46034), (229, 46007), (231, 45992), (236, 45950), (241, 45902), (245, 45872), (251, 45845), (285, 45719), (287, 45713), (291, 45686), (301, 45641), (308, 45626), (310, 45620), (326, 45566), (330,

45557), (386, 45329), (394, 45293),

Gene: Waterfoul_66 Start: 46161, Stop: 47870, Start Num: 79
Candidate Starts for Waterfoul_66:
(Start: 79 @46161 has 26 MA's), (97, 46254), (101, 46296), (Start: 108 @46332 has 1 MA's), (109, 46335), (112, 46359), (113, 46368), (122, 46407), (126, 46425), (137, 46482), (142, 46509), (143, 46512), (151, 46575), (160, 46635), (164, 46665), (166, 46674), (176, 46749), (177, 46752), (184, 46794), (185, 46797), (188, 46833), (189, 46836), (197, 46902), (198, 46905), (199, 46908), (201, 46923), (202, 46938), (205, 46953), (213, 46983), (215, 46995), (229, 47097), (230, 47109), (231, 47112), (232, 47115), (234, 47136), (236, 47154), (240, 47199), (241, 47202), (248, 47241), (252, 47262), (284, 47391), (295, 47460), (296, 47463), (306, 47496), (308, 47499), (309, 47502), (325, 47565), (327, 47574), (330, 47580), (334, 47604), (347, 47637), (361, 47700), (366, 47721), (370, 47736), (373, 47763), (374, 47772), (379, 47787),

Gene: Weher20_52 Start: 46945, Stop: 45242, Start Num: 74
Candidate Starts for Weher20_52:
(Start: 74 @46945 has 130 MA's), (Start: 87 @46921 has 14 MA's), (Start: 92 @46864 has 1 MA's), (Start: 94 @46855 has 2 MA's), (109, 46765), (113, 46732), (126, 46675), (128, 46663), (133, 46639), (136, 46627), (137, 46618), (149, 46558), (160, 46468), (166, 46423), (173, 46363), (183, 46309), (189, 46261), (192, 46240), (215, 46108), (225, 46039), (227, 46033), (229, 46006), (231, 45991), (236, 45949), (241, 45901), (245, 45871), (251, 45844), (285, 45718), (287, 45712), (291, 45685), (301, 45640), (308, 45625), (310, 45619), (326, 45565), (330, 45556), (386, 45328), (394, 45292),

Gene: West99_51 Start: 46707, Stop: 44992, Start Num: 76
Candidate Starts for West99_51:
(Start: 76 @46707 has 36 MA's), (Start: 82 @46695 has 2 MA's), (107, 46524), (Start: 108 @46521 has 1 MA's), (113, 46485), (114, 46473), (117, 46464), (126, 46428), (127, 46425), (133, 46392), (145, 46329), (160, 46221), (166, 46182), (178, 46101), (183, 46068), (185, 46059), (189, 46020), (192, 45999), (193, 45996), (199, 45954), (201, 45939), (202, 45924), (209, 45894), (215, 45867), (220, 45819), (226, 45795), (227, 45792), (229, 45765), (230, 45753), (232, 45747), (236, 45708), (241, 45660), (245, 45630), (246, 45624), (256, 45579), (270, 45504), (273, 45492), (280, 45465), (281, 45462), (284, 45447), (295, 45381), (308, 45348), (332, 45270), (344, 45240), (345, 45237), (352, 45225), (361, 45186), (377, 45108), (386, 45066), (401, 45000),

Gene: Widow_34 Start: 27834, Stop: 26191, Start Num: 81
Candidate Starts for Widow_34:
(75, 27846), (Start: 81 @27834 has 7 MA's), (89, 27795), (90, 27792), (91, 27786), (100, 27711), (107, 27666), (113, 27627), (125, 27579), (126, 27576), (137, 27519), (146, 27474), (152, 27414), (153, 27393), (155, 27390), (160, 27366), (180, 27246), (182, 27228), (185, 27210), (189, 27171), (191, 27159), (193, 27147), (197, 27111), (199, 27105), (201, 27090), (211, 27036), (230, 26904), (232, 26898), (236, 26859), (254, 26739), (277, 26661), (283, 26637), (308, 26538), (356, 26394), (386, 26256), (399, 26202),

Gene: Windsor_51 Start: 46743, Stop: 44947, Start Num: 40
Candidate Starts for Windsor_51:
(Start: 40 @46743 has 128 MA's), (Start: 74 @46650 has 130 MA's), (Start: 87 @46626 has 14 MA's), (Start: 92 @46569 has 1 MA's), (Start: 94 @46560 has 2 MA's), (109, 46470), (113, 46437), (126, 46380), (128, 46368), (133, 46344), (136, 46332), (137, 46323), (149, 46263), (160, 46173), (166, 46128), (173, 46068), (183, 46014), (189, 45966), (192, 45945), (215, 45813), (225, 45744), (227, 45738), (229, 45711), (231, 45696), (236, 45654), (241, 45606), (245, 45576), (251, 45549), (285, 45423), (287, 45417), (291, 45390), (301, 45345), (308, 45330), (310, 45324), (326, 45270), (330, 45261), (386, 45033), (394, 44997),

Gene: Wooper_49 Start: 42310, Stop: 40640, Start Num: 72
Candidate Starts for Wooper_49:
(Start: 72 @42310 has 21 MA's), (97, 42205), (100, 42175), (107, 42130), (Start: 108 @42127 has 1 MA's), (113, 42091), (114, 42079), (156, 41845), (160, 41824), (173, 41722), (188, 41623), (189, 41620), (194, 41587), (213, 41479), (225, 41398), (226, 41395), (227, 41392), (229, 41365), (230, 41353), (231, 41350), (236, 41308), (245, 41230), (254, 41188), (279, 41110), (285, 41080), (286, 41077), (295, 41020), (306, 40990), (308, 40987), (310, 40981), (320, 40954), (362, 40834), (386, 40717), (401, 40651),

Gene: WorMMAs_35 Start: 27140, Stop: 25485, Start Num: 81
Candidate Starts for WorMMAs_35:
(32, 27323), (65, 27203), (Start: 81 @27140 has 7 MA's), (88, 27107), (96, 27047), (109, 26963), (113, 26930), (117, 26909), (133, 26843), (137, 26822), (145, 26780), (148, 26771), (160, 26669), (169, 26606), (178, 26555), (185, 26513), (189, 26474), (191, 26462), (193, 26450), (197, 26414), (199, 26408), (201, 26393), (230, 26207), (232, 26201), (236, 26162), (245, 26084), (247, 26075), (254, 26042), (267, 25991), (272, 25985), (308, 25841), (317, 25814), (321, 25799), (352, 25718), (356, 25697), (386, 25550), (389, 25535), (399, 25496),

Gene: Xavier_51 Start: 46658, Stop: 44955, Start Num: 74
Candidate Starts for Xavier_51:
(Start: 74 @46658 has 130 MA's), (Start: 87 @46634 has 14 MA's), (Start: 92 @46577 has 1 MA's), (Start: 94 @46568 has 2 MA's), (109, 46478), (113, 46445), (126, 46388), (128, 46376), (133, 46352), (136, 46340), (137, 46331), (149, 46271), (160, 46181), (166, 46136), (173, 46076), (183, 46022), (189, 45974), (192, 45953), (215, 45821), (225, 45752), (227, 45746), (229, 45719), (231, 45704), (236, 45662), (241, 45614), (245, 45584), (251, 45557), (285, 45431), (287, 45425), (291, 45398), (300, 45356), (301, 45353), (308, 45338), (310, 45332), (326, 45278), (330, 45269), (386, 45041), (394, 45005),

Gene: Xincheng_48 Start: 48498, Stop: 46786, Start Num: 74
Candidate Starts for Xincheng_48:
(Start: 74 @48498 has 130 MA's), (107, 48315), (113, 48276), (117, 48255), (133, 48186), (156, 48036), (160, 48015), (173, 47916), (178, 47895), (183, 47862), (185, 47853), (189, 47814), (192, 47793), (193, 47790), (196, 47775), (211, 47679), (213, 47673), (215, 47661), (225, 47592), (227, 47586), (229, 47559), (230, 47547), (231, 47544), (236, 47502), (241, 47454), (245, 47424), (256, 47373), (281, 47289), (284, 47274), (285, 47268), (292, 47232), (293, 47226), (300, 47190), (306, 47175), (308, 47172), (312, 47163), (317, 47145), (323, 47118), (330, 47097), (359, 46986), (369, 46953), (386, 46863), (395, 46824),

Gene: Xkcd426_57 Start: 50423, Stop: 52258, Start Num: 82
Candidate Starts for Xkcd426_57:
(Start: 38 @50267 has 1 MA's), (66, 50357), (69, 50390), (Start: 82 @50423 has 2 MA's), (107, 50600), (109, 50606), (118, 50663), (132, 50729), (134, 50735), (145, 50795), (154, 50867), (162, 50918), (168, 50951), (170, 50978), (175, 51008), (200, 51176), (203, 51203), (207, 51221), (226, 51332), (227, 51335), (236, 51419), (302, 51788), (349, 51986), (350, 51992), (356, 52016), (382, 52145), (390, 52193),

Gene: YDN12_54 Start: 43749, Stop: 45587, Start Num: 83
Candidate Starts for YDN12_54:
(Start: 83 @43749 has 9 MA's), (95, 43830), (97, 43836), (99, 43863), (107, 43923), (117, 43983), (134, 44058), (136, 44067), (142, 44103), (148, 44127), (154, 44190), (159, 44214), (162, 44241), (168, 44274), (170, 44301), (180, 44349), (184, 44379), (200, 44499), (201, 44508), (203, 44526), (226, 44655), (227, 44658), (230, 44697), (236, 44742), (237, 44745), (248, 44835), (302, 45111), (305, 45117), (314, 45138), (350, 45318), (358, 45354), (363, 45369), (382, 45471), (390, 45519),

(393, 45528),

Gene: Yago84_45 Start: 40488, Stop: 38827, Start Num: 72
Candidate Starts for Yago84_45:
(Start: 72 @40488 has 21 MA's), (91, 40422), (97, 40380), (Start: 108 @40302 has 1 MA's), (109, 40299), (113, 40266), (126, 40209), (156, 40023), (160, 40002), (178, 39882), (189, 39801), (192, 39780), (196, 39762), (197, 39741), (199, 39735), (216, 39642), (226, 39576), (227, 39573), (229, 39546), (231, 39531), (236, 39489), (245, 39411), (255, 39363), (326, 39129), (330, 39120), (351, 39060), (352, 39057), (361, 39018), (380, 38934), (386, 38898),

Gene: Yahalom_51 Start: 47169, Stop: 45472, Start Num: 70
Candidate Starts for Yahalom_51:
(Start: 70 @47169 has 42 MA's), (Start: 108 @46971 has 1 MA's), (113, 46935), (126, 46878), (137, 46821), (145, 46779), (147, 46773), (152, 46716), (157, 46689), (160, 46671), (173, 46566), (187, 46476), (189, 46464), (192, 46443), (199, 46398), (210, 46335), (222, 46251), (226, 46236), (227, 46233), (228, 46230), (229, 46206), (232, 46188), (236, 46149), (241, 46101), (245, 46071), (250, 46047), (257, 46005), (283, 45927), (289, 45900), (298, 45849), (308, 45825), (326, 45777), (339, 45738), (356, 45696), (377, 45591), (386, 45549), (389, 45534),

Gene: Yeshua_49 Start: 42287, Stop: 40617, Start Num: 72
Candidate Starts for Yeshua_49:
(Start: 72 @42287 has 21 MA's), (97, 42182), (100, 42152), (107, 42107), (Start: 108 @42104 has 1 MA's), (113, 42068), (114, 42056), (156, 41822), (160, 41801), (173, 41699), (188, 41600), (189, 41597), (194, 41564), (213, 41456), (225, 41375), (226, 41372), (227, 41369), (229, 41342), (230, 41330), (231, 41327), (236, 41285), (245, 41207), (254, 41165), (279, 41087), (285, 41057), (286, 41054), (295, 40997), (306, 40967), (308, 40964), (310, 40958), (320, 40931), (362, 40811), (386, 40694), (401, 40628),

Gene: Yinz_52 Start: 47014, Stop: 45317, Start Num: 70
Candidate Starts for Yinz_52:
(Start: 70 @47014 has 42 MA's), (Start: 108 @46816 has 1 MA's), (113, 46780), (126, 46723), (137, 46666), (145, 46624), (147, 46618), (152, 46561), (157, 46534), (160, 46516), (173, 46411), (187, 46321), (189, 46309), (192, 46288), (199, 46243), (210, 46180), (222, 46096), (226, 46081), (227, 46078), (228, 46075), (229, 46051), (232, 46033), (236, 45994), (241, 45946), (245, 45916), (250, 45892), (257, 45850), (283, 45772), (289, 45745), (298, 45694), (308, 45670), (326, 45622), (339, 45583), (356, 45541), (377, 45436), (381, 45421), (386, 45394), (389, 45379),

Gene: Yoshand_53 Start: 47202, Stop: 45406, Start Num: 40
Candidate Starts for Yoshand_53:
(Start: 40 @47202 has 128 MA's), (Start: 74 @47109 has 130 MA's), (Start: 87 @47085 has 14 MA's), (Start: 92 @47028 has 1 MA's), (Start: 94 @47019 has 2 MA's), (109, 46929), (113, 46896), (126, 46839), (128, 46827), (133, 46803), (136, 46791), (137, 46782), (149, 46722), (160, 46632), (166, 46587), (173, 46527), (189, 46425), (192, 46404), (215, 46272), (225, 46203), (227, 46197), (229, 46170), (231, 46155), (236, 46113), (241, 46065), (245, 46035), (251, 46008), (285, 45882), (287, 45876), (291, 45849), (300, 45807), (301, 45804), (308, 45789), (310, 45783), (326, 45729), (330, 45720), (386, 45492), (394, 45456),

Gene: YouGoGlencoco_52 Start: 46948, Stop: 45245, Start Num: 74
Candidate Starts for YouGoGlencoco_52:
(Start: 40 @47041 has 128 MA's), (Start: 74 @46948 has 130 MA's), (Start: 87 @46924 has 14 MA's), (Start: 92 @46867 has 1 MA's), (Start: 94 @46858 has 2 MA's), (109, 46768), (113, 46735), (126, 46678), (128, 46666), (133, 46642), (136, 46630), (137, 46621), (149, 46561), (160, 46471), (166, 46426), (173, 46366), (183, 46312), (189, 46264), (192, 46243), (215, 46111), (225, 46042), (227,

46036), (229, 46009), (231, 45994), (236, 45952), (241, 45904), (245, 45874), (251, 45847), (285, 45721), (287, 45715), (291, 45688), (301, 45643), (308, 45628), (310, 45622), (326, 45568), (330, 45559), (386, 45331), (394, 45295),

Gene: Zaider_53 Start: 47178, Stop: 45475, Start Num: 73
Candidate Starts for Zaider_53:
(12, 47511), (14, 47484), (Start: 73 @47178 has 70 MA's), (Start: 87 @47154 has 14 MA's), (Start: 92 @47097 has 1 MA's), (Start: 94 @47088 has 2 MA's), (109, 46998), (113, 46965), (126, 46908), (128, 46896), (133, 46872), (136, 46860), (137, 46851), (149, 46791), (160, 46701), (166, 46656), (173, 46596), (183, 46542), (189, 46494), (192, 46473), (215, 46341), (225, 46272), (227, 46266), (229, 46239), (231, 46224), (236, 46182), (241, 46134), (245, 46104), (251, 46077), (285, 45951), (287, 45945), (291, 45918), (301, 45873), (308, 45858), (310, 45852), (326, 45798), (330, 45789), (386, 45561), (394, 45525),

Gene: Zelda_52 Start: 46995, Stop: 45292, Start Num: 73
Candidate Starts for Zelda_52:
(Start: 73 @46995 has 70 MA's), (Start: 87 @46971 has 14 MA's), (Start: 92 @46914 has 1 MA's), (Start: 94 @46905 has 2 MA's), (109, 46815), (113, 46782), (126, 46725), (128, 46713), (133, 46689), (136, 46677), (137, 46668), (149, 46608), (160, 46518), (166, 46473), (173, 46413), (183, 46359), (189, 46311), (192, 46290), (215, 46158), (225, 46089), (227, 46083), (229, 46056), (231, 46041), (236, 45999), (241, 45951), (245, 45921), (251, 45894), (285, 45768), (287, 45762), (291, 45735), (301, 45690), (308, 45675), (310, 45669), (326, 45615), (330, 45606), (386, 45378), (394, 45342),

Gene: Zemanar_48 Start: 47409, Stop: 45700, Start Num: 74
Candidate Starts for Zemanar_48:
(Start: 74 @47409 has 130 MA's), (107, 47226), (113, 47187), (117, 47166), (133, 47097), (149, 47016), (156, 46947), (160, 46926), (173, 46827), (178, 46806), (183, 46773), (185, 46764), (188, 46728), (189, 46725), (193, 46701), (211, 46590), (213, 46584), (215, 46572), (225, 46503), (227, 46497), (229, 46470), (230, 46458), (231, 46455), (236, 46413), (241, 46365), (245, 46335), (256, 46284), (281, 46203), (284, 46188), (285, 46182), (286, 46179), (292, 46146), (293, 46140), (294, 46131), (300, 46104), (306, 46089), (308, 46086), (312, 46077), (317, 46059), (323, 46032), (330, 46011), (359, 45900), (386, 45777), (395, 45738),

Gene: Zenteno07_56 Start: 46944, Stop: 45178, Start Num: 80
Candidate Starts for Zenteno07_56:
(Start: 45 @47031 has 1 MA's), (Start: 80 @46944 has 2 MA's), (109, 46764), (113, 46731), (156, 46488), (160, 46467), (166, 46428), (173, 46368), (174, 46365), (178, 46347), (189, 46266), (193, 46242), (213, 46125), (227, 46038), (229, 46011), (230, 45999), (231, 45996), (236, 45954), (241, 45906), (245, 45876), (251, 45849), (256, 45825), (285, 45672), (288, 45657), (342, 45462), (346, 45453), (352, 45435), (362, 45393), (386, 45279), (396, 45237),

Gene: Zonia_52 Start: 46941, Stop: 45262, Start Num: 87
Candidate Starts for Zonia_52:
(Start: 40 @47058 has 128 MA's), (Start: 74 @46965 has 130 MA's), (Start: 87 @46941 has 14 MA's), (Start: 92 @46884 has 1 MA's), (Start: 94 @46875 has 2 MA's), (109, 46785), (113, 46752), (126, 46695), (128, 46683), (133, 46659), (136, 46647), (137, 46638), (149, 46578), (160, 46488), (166, 46443), (173, 46383), (183, 46329), (189, 46281), (192, 46260), (215, 46128), (225, 46059), (227, 46053), (229, 46026), (231, 46011), (236, 45969), (241, 45921), (245, 45891), (251, 45864), (285, 45738), (287, 45732), (291, 45705), (301, 45660), (308, 45645), (310, 45639), (326, 45585), (330, 45576), (386, 45348), (394, 45312),

Gene: phiAsp2_53 Start: 40778, Stop: 42481, Start Num: 85
Candidate Starts for phiAsp2_53:

(85, 40778), (Start: 87 @40787 has 14 MA's), (96, 40859), (99, 40889), (100, 40892), (116, 40991), (117, 40994), (123, 41018), (124, 41021), (129, 41054), (130, 41057), (131, 41060), (136, 41084), (139, 41108), (146, 41141), (158, 41234), (165, 41303), (177, 41390), (178, 41393), (181, 41408), (189, 41471), (198, 41540), (201, 41558), (223, 41690), (227, 41705), (230, 41744), (231, 41747), (232, 41750), (236, 41789), (240, 41834), (242, 41840), (243, 41849), (247, 41876), (249, 41885), (275, 42020), (289, 42083), (290, 42089), (304, 42161), (307, 42167), (313, 42182), (318, 42221), (319, 42227), (322, 42260), (332, 42302), (359, 42398), (373, 42470),