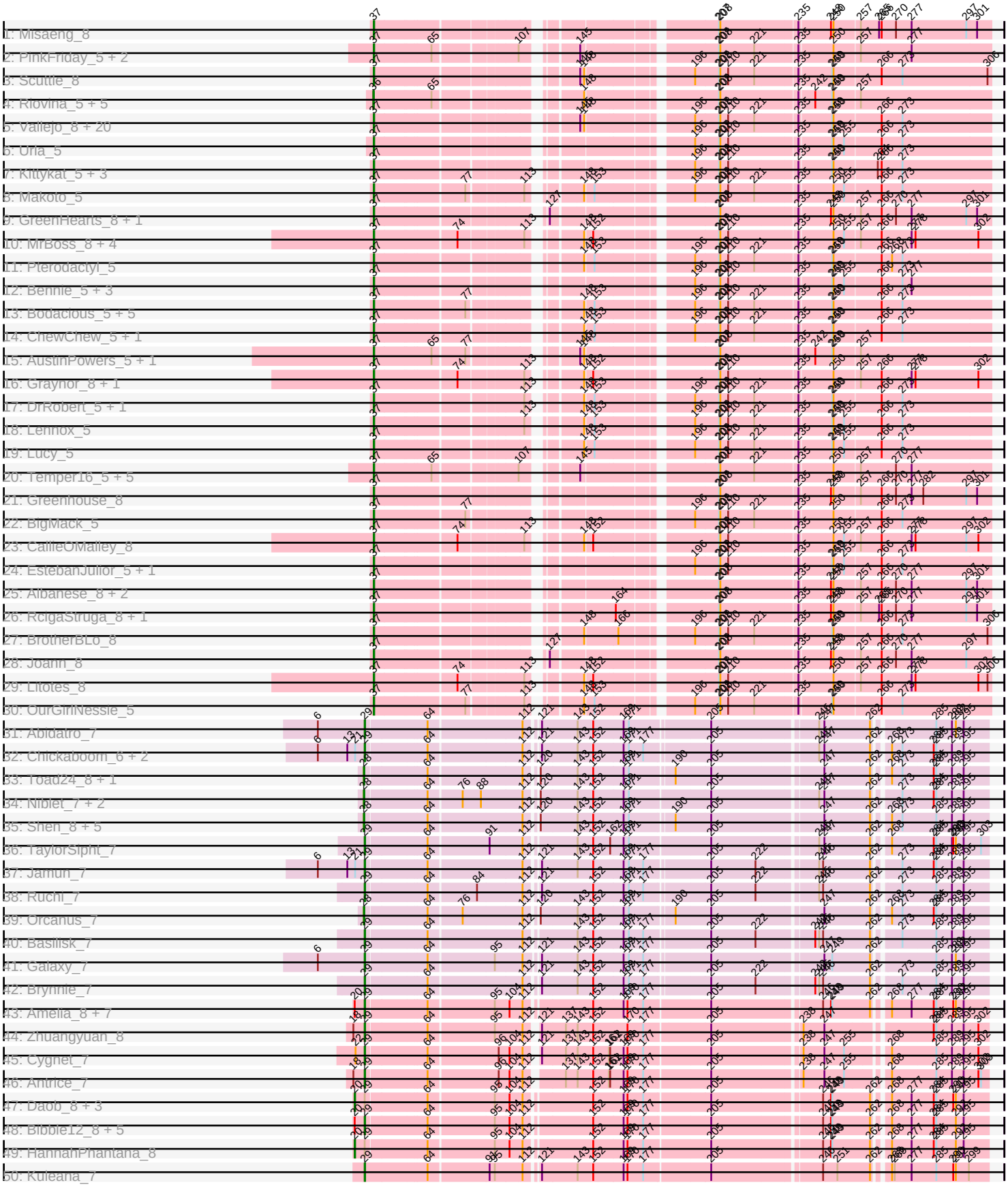
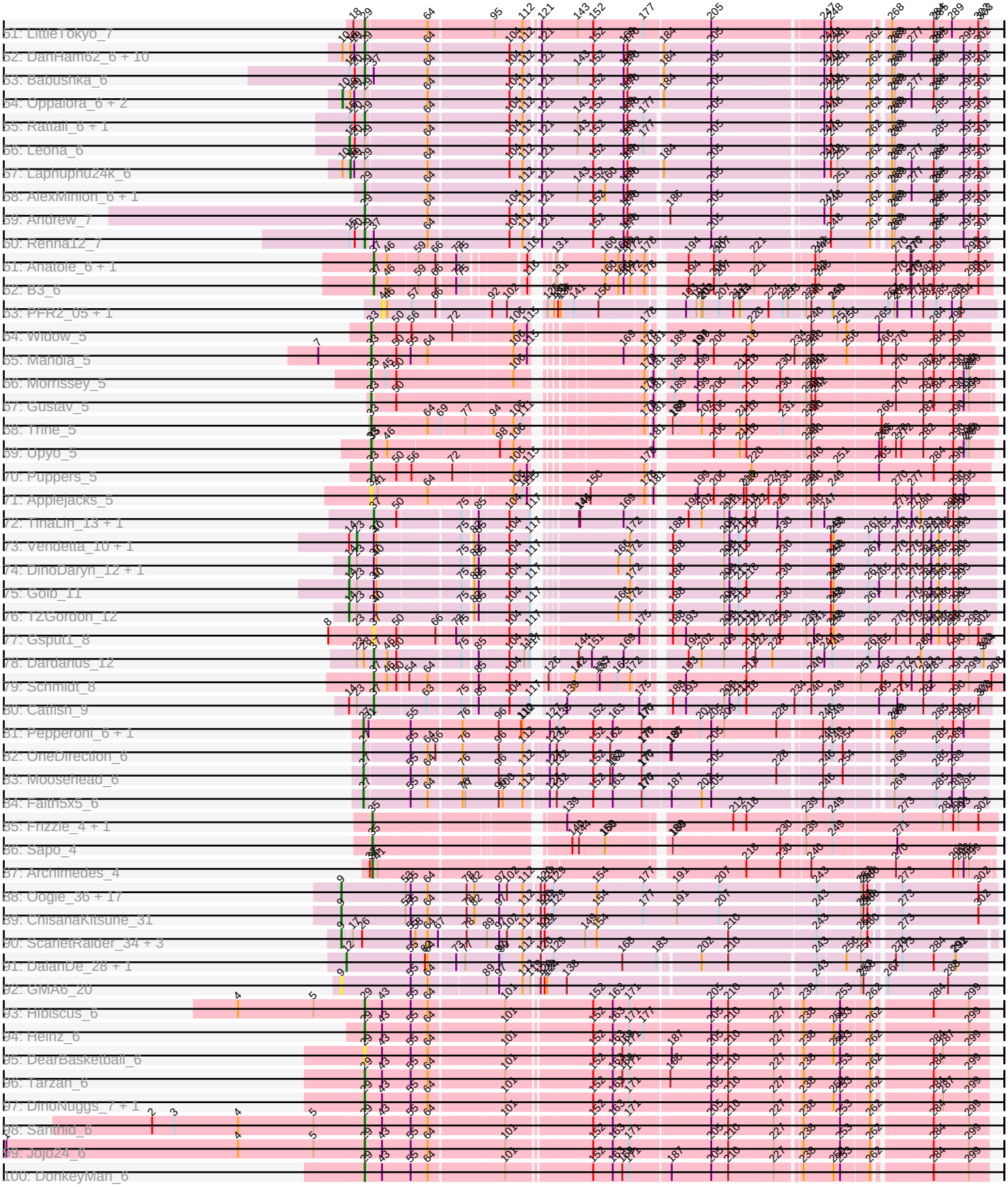
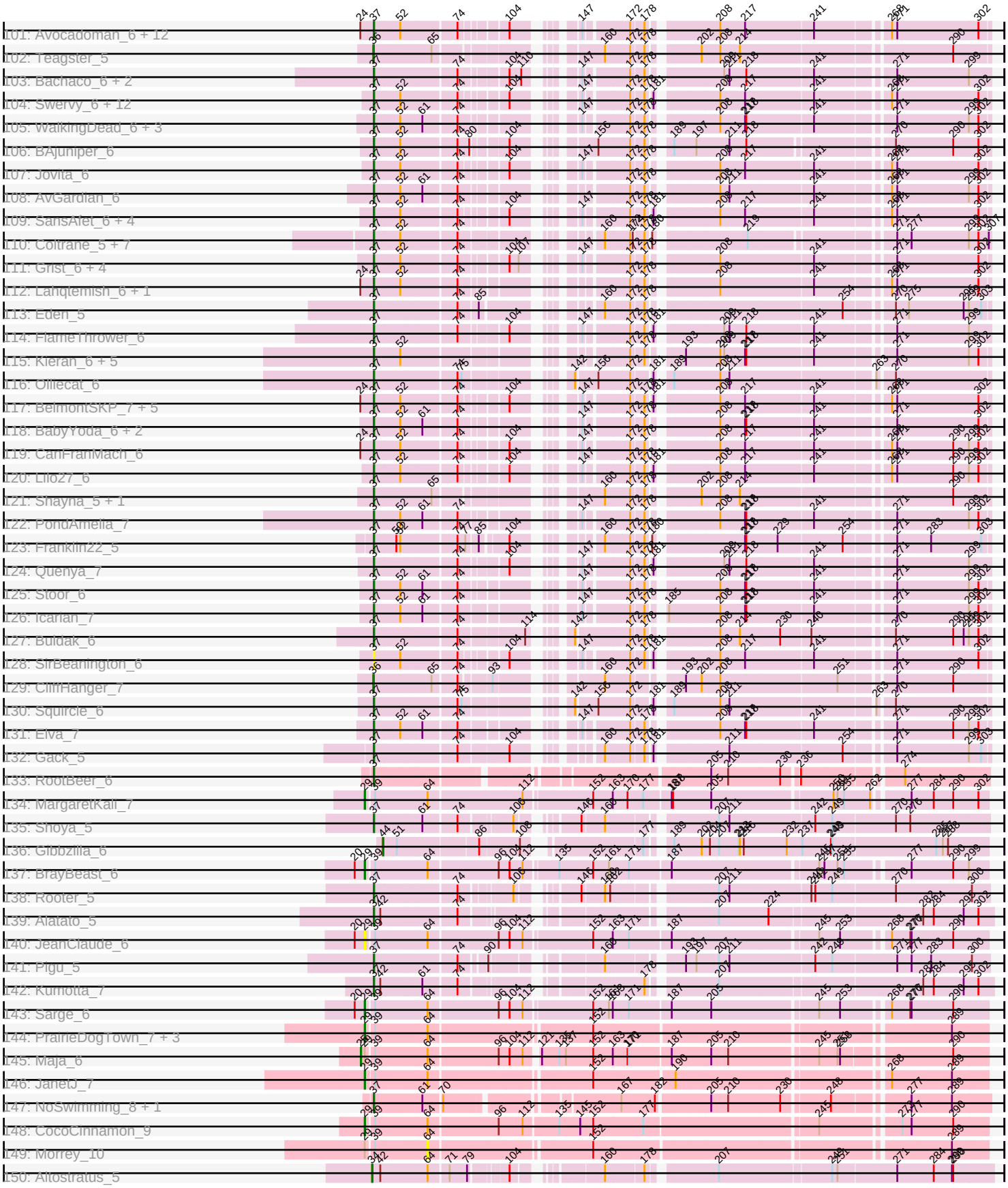
Pham 347114


1: Misaeng_8
2: PinkFriday_5 + 2
3: Scuttle_8
4: Riovina_5 + 5
5: Vallejo_8 + 20
6: Orla_5
7: Kittykat_5 + 3
8: Makoto_5
9: GreenHearts_8 + 1
10: MrBoss_8 + 4
11: Pterodactyl_5
12: Bennie_5 + 3
13: Bodacious_5 + 5
14: ChewChew_5 + 1
15: AustinPowers_5 + 1
16: Graynor_8 + 1
17: DrRobert_5 + 1
18: Lennox_5
19: Lucy_5
20: Temper16_5 + 5
21: Greenhouse_8
22: BigMack_5
23: CallieOMalley_8
24: EstebanJulior_5 + 1
25: Albanese_8 + 2
26: RcigaStruga_8 + 1
27: BrotherBLo_8
28: Joann_8
29: Litotes_8
30: OurGirlNessie_5
31: Abidatro_7
32: Chickaboom_6 + 2
33: Toad24_8 + 1
34: Niblet_7 + 2
35: Shen_8 + 5
36: TaylorSpht_7
37: Jamun_7
38: Ruchi_7
39: Orcanus_7
40: Basilisk_7
41: Galaxy_7
42: Brynnie_7
43: Amelia_8 + 7
44: Zhuangyuan_8
45: Cygnet_7
46: Antrice_7
47: Daob_8 + 3
48: Bibble12_8 + 5
49: HannahPhantana_8
50: Kuleana_7

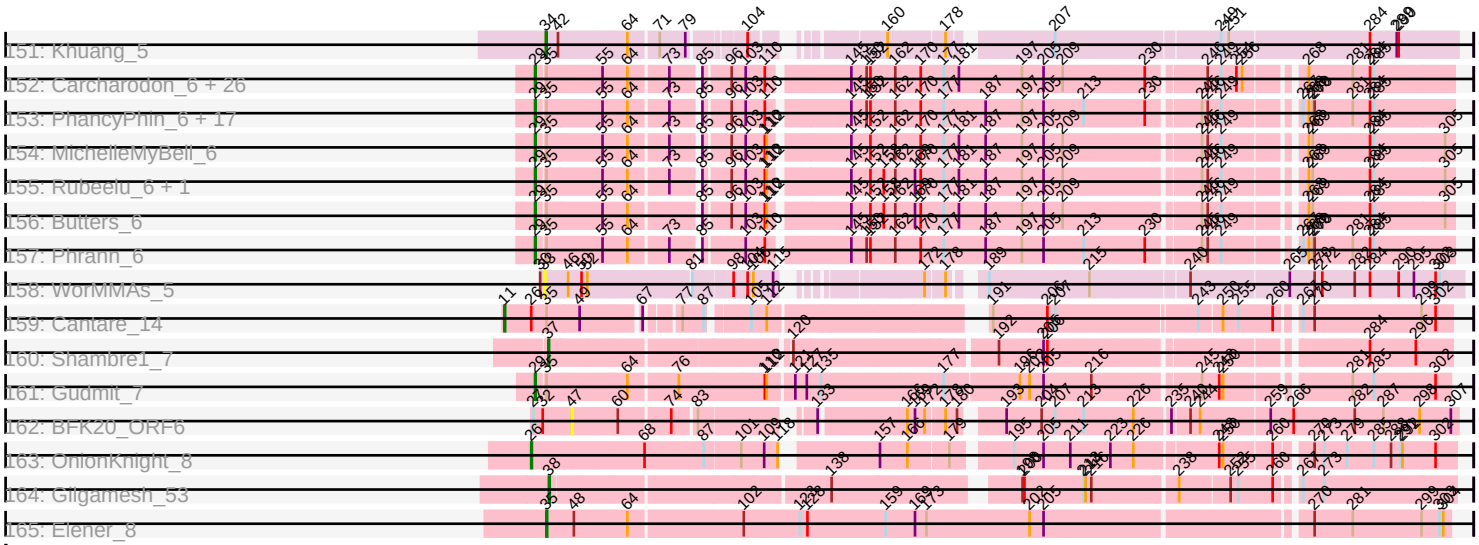
Pham 347114


51: LittleTokyo_7
52: DanHam62_6 + 10
53: Babushka_6
54: Oppalora_6 + 2
55: Rattail_6 + 1
56: Leona_6
57: Laphuphu24k_6
58: AlexMinion_6 + 1
59: Andrew_7
60: Renna12_7
61: Anatole_6 + 1
62: B3_6
63: PFR2_05 + 1
64: Widow_5
65: Mandia_5
66: Morrissey_5
67: Gustav_5
68: Trine_5
69: Opyo_5
70: Puppers_5
71: Applejacks_5
72: TinaLin_13 + 1
73: Vendetta_10 + 1
74: DinoDaryn_12 + 1
75: Golb_11
76: TZGordon_12
77: Gsputi_8
78: Dardanus_12
79: Schmidt_8
80: Catfish_9
81: Pepperoni_6 + 1
82: OneDirection_6
83: Moosehead_6
84: Faith5x5_6
85: Frizzle_4 + 1
86: Sapo_4
87: Archimedes_4
88: Oogie_36 + 17
89: ChisanaKitsune_31
90: ScarletRaider_34 + 3
91: DalanDe_28 + 1
92: GMA6_20
93: Hibiscus_6
94: Heinz_6
95: DearBasketball_6
96: Tarzan_6
97: DinoNuggs_7 + 1
98: Santhid_6
99: Jojo24_6
100: DonkeyMan_6

Pham 347114


I01: Avocadoman_6 + 12
I02: Teagster_5
I03: Bachaco_6 + 2
I04: Swervy_6 + 12
I05: WalkingDead_6 + 3
I06: BAjuniper_6
I07: Jovita_6
I08: AvGardian_6
I09: SansAlet_6 + 4
I10: Coltrane_5 + 7
I11: Grist_6 + 4
I12: Lanqtemish_6 + 1
I13: Eden_5
I14: FlameThrower_6
I15: Kieran_6 + 5
I16: Ollecat_6
I17: BelmontSKP_7 + 5
I18: BabyYoda_6 + 2
I19: CanFranMach_6
I20: Lilo27_6
I21: Shayna_5 + 1
I22: PondAmelia_7
I23: Franklin22_5
I24: Quenya_7
I25: Stoor_6
I26: Icarian_7
I27: Buldak_6
I28: SirBeanington_6
I29: CliffHanger_7
I30: Squircle_6
I31: Elva_7
I32: Gack_5
I33: RootBeer_6
I34: MargaretKali_7
I35: Shoya_5
I36: Globzilla_6
I37: BrayBeast_6
I38: Rooter_5
I39: Alatato_5
I40: JeanClaude_6
I41: Pigu_5
I42: Kumotta_7
I43: Sarge_6
I44: PrairieDogTown_7 + 3
I45: Maja_6
I46: JanetJ_7
I47: NoSwimming_8 + 1
I48: CocoCinnamon_9
I49: Morrey_10
I50: Altostratus_5

Pham 347114


151: Khuang_5
152: Carcharodon_6 + 26
153: PhancyPhin_6 + 17
154: MichelleMyBell_6
155: Rubeelu_6 + 1
156: Butters_6
157: Phrann_6
158: WorMMAs_5
159: Cantare_14
160: Shambre1_7
161: Gudmit_7
162: BFK20_ORF6
163: OnionKnight_8
164: Gilgamesh_53
165: Elener_8

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 347114 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 347114 has 395 members, 43 are drafts.

Phages represented in each track:
• Track 1 : Misaeng_8
• Track 2 : PinkFriday_5, Pumancara_5, Supakev_5
• Track 3 : Scuttle_8
• Track 4 : Riovina_5, Eunoia_5, HunterDalle_5, Aledel_5, Vulture_5, OMalley_5
• Track 5 : Vallejo_8, Zorro_8, Savage2526_8, MrGloopy_8, Dino_8, MeganNoll_8, Immaculata_8, Kalizoi_8, Wawa_8, Fluke_8, Cholula_8, Potatoes_8, TattModd_8, Rozby_8, Glenn_8, Carpal_8, RAP15_8, Korra_8, Jumboset_8, Riverdale_8, Beethoven_8
• Track 6 : Urla_5
• Track 7 : Kittykat_5, DreamTeam_5, Gisselle_5, Preamble_5
• Track 8 : Makoto_5
• Track 9 : GreenHearts_8, Nubia_8
• Track 10 : MrBoss_8, AppleCider_8, Canowicakte_8, Suppi_8, Wayne_8
• Track 11 : Pterodactyl_5
• Track 12 : Bennie_5, Moki_5, Huckleberry_5, HeadNerd_5
• Track 13 : Bodacious_5, Nancia_5, PitaDog_5, CristinaYang_5, Lasagna_5, LilStuart_5
• Track 14 : ChewChew_5, WonderBoy_5
• Track 15 : AustinPowers_5, Chridison_5
• Track 16 : Graynor_8, PartyCup_8
• Track 17 : DrRobert_5, Christian_5
• Track 18 : Lennox_5
• Track 19 : Lucy_5
• Track 20 : Temper16_5, Daiboju_5, Maria1952_5, KingBob_5, Herb_5, Sergei_5
• Track 21 : Greenhouse_8
• Track 22 : BigMack_5
• Track 23 : CallieOMalley_8
• Track 24 : EstebanJulior_5, MamaPearl_5
• Track 25 : Albanese_8, Oxynfrius_8, Lakshmi_8
• Track 26 : RcigaStruga_8, Huntingdon_8
• Track 27 : BrotherBLo_8
• Track 28 : Joann_8
• Track 29 : Litotes_8

• Track 30 : OurGirlNessie_5
• Track 31 : Abidatro_7
• Track 32 : Chickaboom_6, WileyE_6, Vulpecula_7
• Track 33 : Toad24_8, KendraB23_8
• Track 34 : Niblet_7, Zixiang_7, Chicken_7
• Track 35 : Shen_8, Pelletreau_8, Eesa_7, Westrich_8, Amanises_8, Gravel_8
• Track 36 : TaylorSipht_7
• Track 37 : Jamun_7
• Track 38 : Ruchi_7
• Track 39 : Orcanus_7
• Track 40 : Basilisk_7
• Track 41 : Galaxy_7
• Track 42 : Brynnie_7
• Track 43 : Amelia_8, Polka_7, Lunar_8, Colusalem_7, GramZayde_7, Kepler_7, BadWillHunting_8, OtsoOtso_7
• Track 44 : Zhuangyuan_8
• Track 45 : Cygnet_7
• Track 46 : Antrice_7
• Track 47 : Daob_8, Coral_7, Cote_8, Melons_8
• Track 48 : Bibble12_8, Pineda_8, Damocles_8, Jerole_8, PhirstandPhine_8, Bedetta_8
• Track 49 : HannahPhantana_8
• Track 50 : Kuleana_7
• Track 51 : LittleTokyo_7
• Track 52 : DanHam62_6, Atlantica_6, AdoptaAdorbs_6, AmiCi24_6, Juno112_6, KHumphrey_6, PhluffyCoco_6, HamCheese_6, Glotell_6, RedFox_6, Fingolfin_6
• Track 53 : Babushka_6
• Track 54 : Oppalora_6, Camara_6, Amphitrite_6
• Track 55 : Rattail_6, Azaz_6
• Track 56 : Leona_6
• Track 57 : Laphuphu24k_6
• Track 58 : AlexMinion_6, StuartMinion_6
• Track 59 : Andrew_7
• Track 60 : Renna12_7
• Track 61 : Anatole_6, E1_6
• Track 62 : B3_6
• Track 63 : PFR2_05, PFR1_05
• Track 64 : Widow_5
• Track 65 : Mahdia_5
• Track 66 : Morrissey_5
• Track 67 : Gustav_5
• Track 68 : Trine_5
• Track 69 : Upyo_5
• Track 70 : Puppers_5
• Track 71 : Applejacks_5
• Track 72 : TinaLin_13, Banquo_14
• Track 73 : Vendetta_10, Splinter_10
• Track 74 : DinoDaryn_12, Huffy_12
• Track 75 : Goib_11
• Track 76 : TZGordon_12
• Track 77 : Gsput1_8
• Track 78 : Dardanus_12
• Track 79 : Schmidt_8

• Track 80 : Catfish_9
• Track 81 : Pepperoni_6, Lton_6
• Track 82 : OneDirection_6
• Track 83 : Moosehead_6
• Track 84 : Faith5x5_6
• Track 85 : Frizzle_4, Ghobes_4
• Track 86 : Sapo_4
• Track 87 : Archimedes_4
• Track 88 : Oogie_36, Gray_35, Farrylious_34, Amoonguss_34, Beted_35, Lenoshki_35, Twin_34, Chidiebere_35, Toneprano_34, EmoNemo_34, Argena_34, Kabocha_36, Aloki_35, Pakusa_34, Mikronejon_35, Hanem_35, Schomber_34, MintFritos_34
• Track 89 : ChisanaKitsune_31
• Track 90 : ScarletRaider_34, FlyingTortilla_34, FruityLoops_33, UBSmoodge_36
• Track 91 : DalanDe_28, Thales_28
• Track 92 : GMA6_20
• Track 93 : Hibiscus_6
• Track 94 : Heinz_6
• Track 95 : DearBasketball_6
• Track 96 : Tarzan_6
• Track 97 : DinoNuggs_7, Reyja_7
• Track 98 : Santhid_6
• Track 99 : Jojo24_6
• Track 100 : DonkeyMan_6
• Track 101 : Avocadoman_6, Johnathan_6, Milomuff_7, Burritobowl_6, Cashington_6, Bengal_6, Abigail_6, Albright_6, Solea_7, LimaBean_6, Doobus_6, Arroyo_7, DickRichards_6
• Track 102 : Teagster_5
• Track 103 : Bachaco_6, Celaena_6, Katzastrophic_6
• Track 104 : Swervy_6, SarBear_6, Jabb_6, QMacho_7, TukTuk_6, Nicky22_7, Eula_6, MsUbiquitous_6, AylexOG_7, Pecas_6, CupcakePrincess_6, Finalfrontier_7, Slay_6
• Track 105 : WalkingDead_6, Akino08_6, Loviatar_6, SanaSana_7
• Track 106 : BAjuniper_6
• Track 107 : Jovita_6
• Track 108 : AvGardian_6
• Track 109 : SansAfet_6, Phisb_6, BubbaBear_6, Softsoap_6, Albedo_6
• Track 110 : Coltrane_5, Skylord_5, Rollins_5, Clayda5_5, Vitas_5, Brahms_5, Armstrong_5, Bernstein_5
• Track 111 : Grist_6, BabyDaisy_7, Didgeridoo_7, IndyLu_6, Kate33_6
• Track 112 : Lahqtemish_6, PastaFagioli_6
• Track 113 : Eden_5
• Track 114 : FlameThrower_6
• Track 115 : Kieran_6, Rona_6, ChiliPepper_6, Sharkboy_6, Kamdara_6, Dismas_6
• Track 116 : Olliecat_6
• Track 117 : BelmontSKP_7, CroZenni_6, AnnaLie_7, Lynlen_6, Kenzers_6, PhigPhack_6
• Track 118 : BabyYoda_6, Stromboli_6, DirtyBubble_6
• Track 119 : CanFranMach_6
• Track 120 : Lilo27_6
• Track 121 : Shayna_5, SunnyD_5
• Track 122 : PondAmelia_7
• Track 123 : Franklin22_5

• Track 124 : Quenya_7
• Track 125 : Stoor_6
• Track 126 : Icarian_7
• Track 127 : Buldak_6
• Track 128 : SirBeanington_6
• Track 129 : CliffHanger_7
• Track 130 : Squircle_6
• Track 131 : Elva_7
• Track 132 : Gack_5
• Track 133 : RootBeer_6
• Track 134 : MargaretKali_7
• Track 135 : Shoya_5
• Track 136 : Gibbzilla_6
• Track 137 : BrayBeast_6
• Track 138 : Rooter_5
• Track 139 : Alatato_5
• Track 140 : JeanClaude_6
• Track 141 : Pigu_5
• Track 142 : Kumotta_7
• Track 143 : Sarge_6
• Track 144 : PrairieDogTown_7, EvenBluerMoon_7, Hereford_8, Aoka_7
• Track 145 : Maja_6
• Track 146 : JanetJ_7
• Track 147 : NoSwimming_8, Scotia_8
• Track 148 : CocoCinnamon_9
• Track 149 : Morrey_10
• Track 150 : Altostratus_5
• Track 151 : Khuang_5
• Track 152 : Carcharodon_6, Bosection6_6, Parmesanjohn_6, Duplicity_6, Andies_6, Scitech_6, Silvafighter_6, Journey_6, Silvy_6, Melville_6, Xeno_6, Schnauzer_6, Tapioca_6, Tessdabest_5, Pipsqueaks_6, Chewbacca_6, Philonius_6, Phloss_6, Fulbright_6, Tortoise12_6, Aggie_6, Magsby_6, EGUnicorn_6, Charlie_6, Xerxes_6, Gex_6, Smurph_6
• Track 153 : PhancyPhin_6, Raymond7_6, Redi_6, ShrimpFriedEgg_6, Panchino_6, Rebel_6, Cubone_6, Spinach_6, Shweta_6, Snekmaggedon_6, Impisi_6, BabeRuth_6, Purgamenstris_6, Jamie19_6, Hanako_6, SkinnyPete_6, SpongeBob_6, Nenae_6
• Track 154 : MichelleMyBell_6
• Track 155 : Rubeelu_6, Kevin1_6
• Track 156 : Butters_6
• Track 157 : Phrann_6
• Track 158 : WorMMAs_5
• Track 159 : Cantare_14
• Track 160 : Shambre1_7
• Track 161 : Gudmit_7
• Track 162 : BFK20_ORF6
• Track 163 : OnionKnight_8
• Track 164 : Gilgamesh_53
• Track 165 : Elener_8

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

The start number called the most often in the published annotations is 37, it was called in 179 of the 352 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_6, Akino08_6, Alatato_5, Albanese_8, Albedo_6, Albright_6, Anatole_6, AnnaLie_7, AppleCider_8, Armstrong_5, Arroyo_7, AustinPowers_5, AvGardian_6, Avocadoman_6, AylexOG_7, B3_6, BAjuniper_6, BabyDaisy_7, BabyYoda_6, Bachaco_6, Banquo_14, Beethoven_8, BelmontSKP_7, Bengal_6, Bennie_5, Bernstein_5, BigMack_5, Bodacious_5, Brahms_5, BrotherBLo_8, BubbaBear_6, Buldak_6, Burritobowl_6, CallieOMalley_8, CanFranMach_6, Canowicakte_8, Carpal_8, Cashington_6, Catfish_9, Celaena_6, ChewChew_5, ChiliPepper_6, Cholula_8, Chridison_5, Christian_5, Clayda5_5, Coltrane_5, CristinaYang_5, CroZenni_6, CupcakePrincess_6, Daiboju_5, Dardanus_12, DickRichards_6, Didgeridoo_7, Dino_8, DirtyBubble_6, Dismas_6, Doobus_6, DrRobert_5, DreamTeam_5, E1_6, Eden_5, Elva_7, EstebanJulior_5, Eula_6, Finalfrontier_7, FlameThrower_6, Fluke_8, Franklin22_5, Gack_5, Gisselle_5, Glenn_8, Graynor_8, GreenHearts_8, Greenhouse_8, Grist_6, Gsput1_8, HeadNerd_5, Herb_5, Huckleberry_5, Huntingdon_8, Icarian_7, Immaculata_8, IndyLu_6, Jabb_6, Joann_8, Johnathan_6, Jovita_6, Jumboset_8, Kalizoi_8, Kamdara_6, Kate33_6, Katzastrophic_6, Kenzers_6, Kieran_6, KingBob_5, Kittykat_5, Korra_8, Kumotta_7, Lahqtemish_6, Lakshmi_8, Lasagna_5, Lennox_5, LilStuart_5, Lilo27_6, LimaBean_6, Litotes_8, Loviatar_6, Lucy_5, Lynlen_6, Makoto_5, MamaPearl_5, Maria1952_5, MeganNoll_8, Milomuff_7, Misaeng_8, Moki_5, MrBoss_8, MrGloopy_8, MsUbiquitous_6, Nancia_5, Nicky22_7, NoSwimming_8, Nubia_8, Olliecat_6, OurGirlNessie_5, Oxynfrius_8, PartyCup_8, PastaFagioli_6, Pecas_6, PhigPhack_6, Phisb_6, Pigu_5, PinkFriday_5, PitaDog_5, PondAmelia_7, Potatoes_8, Preamble_5, Pterodactyl_5, Pumancara_5, QMacho_7, Quenya_7, RAP15_8, RcigaStruga_8, Riverdale_8, Rollins_5, Rona_6, RootBeer_6, Rooter_5, Rozby_8, SanaSana_7, SansAfet_6, SarBear_6, Savage2526_8, Schmidt_8, Scotia_8, Scuttle_8, Sergei_5, Shambre1_7, Sharkboy_6, Shayna_5, Shoya_5, SirBeanington_6, Skylord_5, Slay_6, Softsoap_6, Solea_7, Squircle_6, Stoor_6, Stromboli_6, SunnyD_5, Supakev_5, Suppi_8, Swervy_6, TattModd_8, Temper16_5, TinaLin_13, TukTuk_6, Urla_5, Vallejo_8, Vitas_5, WalkingDead_6, Wawa_8, Wayne_8, WonderBoy_5, Zorro_8,

Genes that have the "Most Annotated" start but do not call it:
• Babushka_6, DinoDaryn_12, Goib_11, Huffy_12, Renna12_7, Splinter_10, TZGordon_12, Vendetta_10,

Genes that do not have the "Most Annotated" start:
• Abidatro_7, AdoptaAdorbs_6, Aggie_6, Aledel_5, AlexMinion_6, Aloki_35, Altostratus_5, Amanises_8, Amelia_8, AmiCi24_6, Amoonguss_34, Amphitrite_6, Andies_6, Andrew_7, Antrice_7, Aoka_7, Applejacks_5, Archimedes_4, Argena_34, Atlantica_6, Azaz_6, BFK20_ORF6, BabeRuth_6, BadWillHunting_8, Basilisk_7, Bedetta_8, Beted_35, Bibble12_8, Bosection6_6, BrayBeast_6, Brynnie_7, Butters_6, Camara_6, Cantare_14, Carcharodon_6, Charlie_6, Chewbacca_6, Chickaboom_6, Chicken_7, Chidiebere_35, ChisanaKitsune_31, CliffHanger_7, CocoCinnamon_9, Colusalem_7, Coral_7, Cote_8, Cubone_6, Cygnet_7, DalanDe_28, Damocles_8, DanHam62_6, Daob_8, DearBasketball_6, DinoNuggs_7, DonkeyMan_6, Duplicity_6, EGUnicorn_6, Eesa_7, Elener_8, EmoNemo_34, Eunoia_5, EvenBluerMoon_7, Faith5x5_6, Farrylious_34, Fingolfin_6, FlyingTortilla_34, Frizzle_4, FruityLoops_33, Fulbright_6, GMA6_20, Galaxy_7, Gex_6, Ghobes_4, Gibbzilla_6, Gilgamesh_53,

Glotell_6, GramZayde_7, Gravel_8, Gray_35, Gudmit_7, Gustav_5, HamCheese_6, Hanako_6, Hanem_35, HannahPhantana_8, Heinz_6, Hereford_8, Hibiscus_6, HunterDalle_5, Impisi_6, Jamie19_6, Jamun_7, JanetJ_7, JeanClaude_6, Jerole_8, Jojo24_6, Journey_6, Juno112_6, KHumphrey_6, Kabocha_36, KendraB23_8, Kepler_7, Kevin1_6, Khuang_5, Kuleana_7, Laphuphu24k_6, Lenoshki_35, Leona_6, LittleTokyo_7, Lton_6, Lunar_8, Magsby_6, Mahdia_5, Maja_6, MargaretKali_7, Melons_8, Melville_6, MichelleMyBell_6, Mikronejon_35, MintFritos_34, Moosehead_6, Morrey_10, Morrissey_5, Nenae_6, Niblet_7, OMalley_5, OneDirection_6, OnionKnight_8, Oogie_36, Oppalora_6, Orcanus_7, OtsoOtso_7, PFR1_05, PFR2_05, Pakusa_34, Panchino_6, Parmesanjohn_6, Pelletreau_8, Pepperoni_6, PhancyPhin_6, Philonius_6, PhirstandPhine_8, Phloss_6, PhluffyCoco_6, Phrann_6, Pineda_8, Pipsqueaks_6, Polka_7, PrairieDogTown_7, Puppers_5, Purgamenstris_6, Rattail_6, Raymond7_6, Rebel_6, RedFox_6, Redi_6, Reyja_7, Riovina_5, Rubeelu_6, Ruchi_7, Santhid_6, Sapo_4, Sarge_6, ScarletRaider_34, Schnauzer_6, Schomber_34, Scitech_6, Shen_8, ShrimpFriedEgg_6, Shweta_6, Silvafighter_6, Silvy_6, SkinnyPete_6, Smurph_6, Snekmaggedon_6, Spinach_6, SpongeBob_6, StuartMinion_6, Tapioca_6, Tarzan_6, TaylorSipht_7, Teagster_5, Tessdabest_5, Thales_28, Toad24_8, Toneprano_34, Tortoise12_6, Trine_5, Twin_34, UBSmoodge_36, Upyo_5, Vulpecula_7, Vulture_5, Westrich_8, Widow_5, WileyE_6, WorMMAs_5, Xeno_6, Xerxes_6, Zhuangyuan_8, Zixiang_7,

Summary by start number:

Start 9:
• Found in 24 of 395 (6.1%) of genes in pham
• Manual Annotations of this start: 14 of 352
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_35 (DQ), Amoonguss_34 (DQ), Argena_34 (DQ), Beted_35 (DQ), Chidiebere_35 (DQ), ChisanaKitsune_31 (DQ), EmoNemo_34 (DQ), Farrylious_34 (DQ), FlyingTortilla_34 (DQ), FruityLoops_33 (DQ), GMA6_20 (DQ), Gray_35 (DQ), Hanem_35 (DQ), Kabocha_36 (DQ), Lenoshki_35 (DQ), Mikronejon_35 (DQ), MintFritos_34 (DQ), Oogie_36 (DQ), Pakusa_34 (DQ), ScarletRaider_34 (DQ), Schomber_34 (DQ), Toneprano_34 (DQ), Twin_34 (DQ), UBSmoodge_36 (DQ),

Start 10:
• Found in 15 of 395 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 352
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Amphitrite_6 (AS3), Camara_6 (AS3), Oppalora_6 (AS3),

Start 11:
• Found in 1 of 395 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 352
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cantare_14 (singleton),

Start 12:
• Found in 2 of 395 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 352
• Called 100.0% of time when present

• Phage (with cluster) where this start called: DalanDe_28 (DQ), Thales_28 (DQ),

Start 14:
• Found in 7 of 395 (1.8%) of genes in pham
• Manual Annotations of this start: 4 of 352
• Called 57.1% of time when present
• Phage (with cluster) where this start called: DinoDaryn_12 (CU1), Goib_11 (CU1), Huffy_12 (CU1), TZGordon_12 (CU1),

Start 15:
• Found in 5 of 395 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 352
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Leona_6 (AS3),

Start 16:
• Found in 15 of 395 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 352
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Laphuphu24k_6 (AS3),

Start 20:
• Found in 27 of 395 (6.8%) of genes in pham
• Manual Annotations of this start: 5 of 352
• Called 18.5% of time when present
• Phage (with cluster) where this start called: Coral_7 (AS2), Cote_8 (AS2), Daob_8 (AS2), HannahPhantana_8 (AS2), Melons_8 (AS2),

Start 23:
• Found in 9 of 395 (2.3%) of genes in pham
• Manual Annotations of this start: 2 of 352
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Splinter_10 (CU1), Vendetta_10 (CU1),

Start 25:
• Found in 1 of 395 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 352
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Maja_6 (FO),

Start 26:
• Found in 6 of 395 (1.5%) of genes in pham
• Manual Annotations of this start: 1 of 352
• Called 16.7% of time when present
• Phage (with cluster) where this start called: OnionKnight_8 (singleton),

Start 27:
• Found in 6 of 395 (1.5%) of genes in pham
• Manual Annotations of this start: 5 of 352
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Faith5x5_6 (CZ6), Lton_6 (CZ), Moosehead_6 (CZ6), OneDirection_6 (CZ6), Pepperoni_6 (CZ),

Start 28:
• Found in 13 of 395 (3.3%) of genes in pham
• Manual Annotations of this start: 8 of 352
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Amanises_8 (AS1), Chicken_7 (AS1), Eesa_7 (AS1), Gravel_8 (AS1), KendraB23_8 (AS1), Niblet_7 (AS1), Orcanus_7 (AS1), Pelletreau_8 (AS1), Shen_8 (AS1), Toad24_8 (AS1), Westrich_8 (AS1), Zixiang_7 (AS1),

Start 29:
• Found in 129 of 395 (32.7%) of genes in pham
• Manual Annotations of this start: 104 of 352
• Called 90.7% of time when present
• Phage (with cluster) where this start called: Abidatro_7 (AS1), AdoptaAdorbs_6 (AS3), Aggie_6 (N), AlexMinion_6 (AS3), Amelia_8 (AS2), AmiCi24_6 (AS3), Andies_6 (N), Andrew_7 (AS3), Antrice_7 (AS2), Aoka_7 (FO), Atlantica_6 (AS3), Azaz_6 (AS3), BabeRuth_6 (N), Babushka_6 (AS3), BadWillHunting_8 (AS2), Basilisk_7 (AS1), Bedetta_8 (AS2), Bibble12_8 (AS2), Bosection6_6 (N), BrayBeast_6 (FB), Brynnie_7 (AS1), Butters_6 (N), Carcharodon_6 (N), Charlie_6 (N), Chewbacca_6 (N), Chickaboom_6 (AS1), CocoCinnamon_9 (FO), Colusalem_7 (AS2), Cubone_6 (N), Cygnet_7 (AS2), Damocles_8 (AS2), DanHam62_6 (AS3), DearBasketball_6 (DY), DinoNuggs_7 (DY), DonkeyMan_6 (DY), Duplicity_6 (N), EGUnicorn_6 (N), EvenBluerMoon_7 (FO), Fingolfin_6 (AS3), Fulbright_6 (N), Galaxy_7 (AS1), Gex_6 (N), Glotell_6 (AS3), GramZayde_7 (AS2), Gudmit_7 (singleton), HamCheese_6 (AS3), Hanako_6 (N), Heinz_6 (DY), Hereford_8 (FO), Hibiscus_6 (DY), Impisi_6 (N), Jamie19_6 (N), Jamun_7 (AS1), JanetJ_7 (FO), JeanClaude_6 (FB), Jerole_8 (AS2), Jojo24_6 (DY), Journey_6 (N), Juno112_6 (AS3), KHumphrey_6 (AS3), Kepler_7 (AS2), Kevin1_6 (N), Kuleana_7 (AS2), LittleTokyo_7 (AS2), Lunar_8 (AS2), Magsby_6 (N), MargaretKali_7 (FB), Melville_6 (N), MichelleMyBell_6 (N), Nenae_6 (N), OtsoOtso_7 (AS2), Panchino_6 (N), Parmesanjohn_6 (N), PhancyPhin_6 (N), Philonius_6 (N), PhirstandPhine_8 (AS2), Phloss_6 (N), PhluffyCoco_6 (AS3), Phrann_6 (N), Pineda_8 (AS2), Pipsqueaks_6 (N), Polka_7 (AS2), PrairieDogTown_7 (FO), Purgamenstris_6 (N), Rattail_6 (AS3), Raymond7_6 (N), Rebel_6 (N), RedFox_6 (AS3), Redi_6 (N), Renna12_7 (AS3), Reyja_7 (DY), Rubeelu_6 (N), Ruchi_7 (AS1), Santhid_6 (DY), Sarge_6 (FB), Schnauzer_6 (N), Scitech_6 (N), ShrimpFriedEgg_6 (N), Shweta_6 (N), Silvafighter_6 (N), Silvy_6 (N), SkinnyPete_6 (N), Smurph_6 (N), Snekmaggedon_6 (N), Spinach_6 (N), SpongeBob_6 (N), StuartMinion_6 (AS3), Tapioca_6 (N), Tarzan_6 (DY), TaylorSipht_7 (AS1), Tessdabest_5 (N), Tortoise12_6 (N), Vulpecula_7 (AS1), WileyE_6 (AS1), Xeno_6 (N), Xerxes_6 (N), Zhuangyuan_8 (AS2),

Start 33:
• Found in 9 of 395 (2.3%) of genes in pham
• Manual Annotations of this start: 7 of 352
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Applejacks_5 (CD), Gustav_5 (CD), Mahdia_5 (CD), Morrissey_5 (CD), Puppers_5 (CD), Trine_5 (CD), Upyo_5 (CD), Widow_5 (CD), WorMMAs_5 (UNK),

Start 34:
• Found in 2 of 395 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 352
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Altostratus_5 (FS), Khuang_5 (FS),

Start 35:
• Found in 58 of 395 (14.7%) of genes in pham
• Manual Annotations of this start: 5 of 352
• Called 8.6% of time when present
• Phage (with cluster) where this start called: Archimedes_4 (DA), Elener_8 (singleton), Frizzle_4 (DA), Ghobes_4 (DA), Sapo_4 (DA),

Start 36:
• Found in 8 of 395 (2.0%) of genes in pham
• Manual Annotations of this start: 8 of 352
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aledel_5 (AK), CliffHanger_7 (EB), Eunoia_5 (AK), HunterDalle_5 (AK), OMalley_5 (AK), Riovina_5 (AK), Teagster_5 (EB), Vulture_5 (AK),

Start 37:
• Found in 194 of 395 (49.1%) of genes in pham
• Manual Annotations of this start: 179 of 352
• Called 95.9% of time when present
• Phage (with cluster) where this start called: Abigail_6 (EB), Akino08_6 (EB), Alatato_5 (FB), Albanese_8 (AK), Albedo_6 (EB), Albright_6 (EB), Anatole_6 (BV), AnnaLie_7 (EB), AppleCider_8 (AK), Armstrong_5 (EB), Arroyo_7 (EB), AustinPowers_5 (AK), AvGardian_6 (EB), Avocadoman_6 (EB), AylexOG_7 (EB), B3_6 (BV), BAjuniper_6 (EB), BabyDaisy_7 (EB), BabyYoda_6 (EB), Bachaco_6 (EB), Banquo_14 (CU1), Beethoven_8 (AK), BelmontSKP_7 (EB), Bengal_6 (EB), Bennie_5 (AK), Bernstein_5 (EB), BigMack_5 (AK), Bodacious_5 (AK), Brahms_5 (EB), BrotherBLo_8 (AK), BubbaBear_6 (EB), Buldak_6 (EB), Burritobowl_6 (EB), CallieOMalley_8 (AK), CanFranMach_6 (EB), Canowicakte_8 (AK), Carpal_8 (AK), Cashington_6 (EB), Catfish_9 (CU5), Celaena_6 (EB), ChewChew_5 (AK), ChiliPepper_6 (EB), Cholula_8 (AK), Chridison_5 (AK), Christian_5 (AK), Clayda5_5 (EB), Coltrane_5 (EB), CristinaYang_5 (AK), CroZenni_6 (EB), CupcakePrincess_6 (EB), Daiboju_5 (AK), Dardanus_12 (CU3), DickRichards_6 (EB), Didgeridoo_7 (EB), Dino_8 (AK), DirtyBubble_6 (EB), Dismas_6 (EB), Doobus_6 (EB), DrRobert_5 (AK), DreamTeam_5 (AK), E1_6 (BV), Eden_5 (EB), Elva_7 (EB), EstebanJulior_5 (AK), Eula_6 (EB), Finalfrontier_7 (EB), FlameThrower_6 (EB), Fluke_8 (AK), Franklin22_5 (EB), Gack_5 (EB), Gisselle_5 (AK), Glenn_8 (AK), Graynor_8 (AK), GreenHearts_8 (AK), Greenhouse_8 (AK), Grist_6 (EB), Gsput1_8 (CU2), HeadNerd_5 (AK), Herb_5 (AK), Huckleberry_5 (AK), Huntingdon_8 (AK), Icarian_7 (EB), Immaculata_8 (AK), IndyLu_6 (EB), Jabb_6 (EB), Joann_8 (AK), Johnathan_6 (EB), Jovita_6 (EB), Jumboset_8 (AK), Kalizoi_8 (AK), Kamdara_6 (EB), Kate33_6 (EB), Katzastrophic_6 (EB), Kenzers_6 (EB), Kieran_6 (EB), KingBob_5 (AK), Kittykat_5 (AK), Korra_8 (AK), Kumotta_7 (FB), Lahqtemish_6 (EB), Lakshmi_8 (AK), Lasagna_5 (AK), Lennox_5 (AK), LilStuart_5 (AK), Lilo27_6 (EB), LimaBean_6 (EB), Litotes_8 (AK), Loviatar_6 (EB), Lucy_5 (AK), Lynlen_6 (EB), Makoto_5 (AK), MamaPearl_5 (AK), Maria1952_5 (AK), MeganNoll_8 (AK), Milomuff_7 (EB), Misaeng_8 (AK), Moki_5 (AK), MrBoss_8 (AK), MrGloopy_8 (AK), MsUbiquitous_6 (EB), Nancia_5 (AK), Nicky22_7 (EB), NoSwimming_8 (FO), Nubia_8 (AK), Olliecat_6 (EB), OurGirlNessie_5 (AK), Oxynfrius_8 (AK), PartyCup_8 (AK), PastaFagioli_6 (EB), Pecas_6 (EB), PhigPhack_6 (EB), Phisb_6 (EB), Pigu_5 (FB), PinkFriday_5 (AK), PitaDog_5 (AK), PondAmelia_7 (EB), Potatoes_8 (AK), Preamble_5 (AK), Pterodactyl_5 (AK), Pumancara_5 (AK), QMacho_7 (EB), Quenya_7 (EB), RAP15_8 (AK), RcigaStruga_8

(AK), Riverdale_8 (AK), Rollins_5 (EB), Rona_6 (EB), RootBeer_6 (FA), Rooter_5 (FB), Rozby_8 (AK), SanaSana_7 (EB), SansAfet_6 (EB), SarBear_6 (EB), Savage2526_8 (AK), Schmidt_8 (CU4), Scotia_8 (FO), Scuttle_8 (AK), Sergei_5 (AK), Shambre1_7 (singleton), Sharkboy_6 (EB), Shayna_5 (EB), Shoya_5 (FB), SirBeanington_6 (EB), Skylord_5 (EB), Slay_6 (EB), Softsoap_6 (EB), Solea_7 (EB), Squircle_6 (EB), Stoor_6 (EB), Stromboli_6 (EB), SunnyD_5 (EB), Supakev_5 (AK), Suppi_8 (AK), Swervy_6 (EB), TattModd_8 (AK), Temper16_5 (AK), TinaLin_13 (CU1), TukTuk_6 (EB), Urla_5 (AK), Vallejo_8 (AK), Vitas_5 (EB), WalkingDead_6 (EB), Wawa_8 (AK), Wayne_8 (AK), WonderBoy_5 (AK), Zorro_8 (AK),

Start 38:
• Found in 1 of 395 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 352
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gilgamesh_53 (singleton),

Start 44:
• Found in 3 of 395 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 352
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gibbzilla_6 (FB), PFR1_05 (BX), PFR2_05 (BX),

Start 47:
• Found in 1 of 395 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BFK20_ORF6 (singleton),

Start 64:
• Found in 177 of 395 (44.8%) of genes in pham
• No Manual Annotations of this start.
• Called 0.6% of time when present
• Phage (with cluster) where this start called: Morrey_10 (FO),

Summary by clusters:

There are 25 clusters represented in this pham: singleton, FS, UNK, CZ6, DA, FA, FB, DY, BX, DQ, CU5, CU4, CU3, CU2, CU1, FO, AS3, AS2, AS1, AK, EB, CZ, CD, BV, N,

Info for manual annotations of cluster AK:
•Start number 36 was manually annotated 6 times for cluster AK.
•Start number 37 was manually annotated 78 times for cluster AK.

Info for manual annotations of cluster AS1:
•Start number 28 was manually annotated 8 times for cluster AS1.
•Start number 29 was manually annotated 10 times for cluster AS1.

Info for manual annotations of cluster AS2:
•Start number 20 was manually annotated 5 times for cluster AS2.
•Start number 29 was manually annotated 14 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 10 was manually annotated 1 time for cluster AS3.
•Start number 15 was manually annotated 1 time for cluster AS3.
•Start number 16 was manually annotated 1 time for cluster AS3.
•Start number 29 was manually annotated 16 times for cluster AS3.

Info for manual annotations of cluster BV:
•Start number 37 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster CD:
•Start number 33 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CU1:
•Start number 14 was manually annotated 4 times for cluster CU1.
•Start number 23 was manually annotated 2 times for cluster CU1.
•Start number 37 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 37 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 37 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 37 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CZ:
•Start number 27 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ6:
•Start number 27 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster DA:
•Start number 35 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DQ:
•Start number 9 was manually annotated 14 times for cluster DQ.
•Start number 12 was manually annotated 1 time for cluster DQ.

Info for manual annotations of cluster DY:
•Start number 29 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster EB:
•Start number 36 was manually annotated 2 times for cluster EB.
•Start number 37 was manually annotated 84 times for cluster EB.

Info for manual annotations of cluster FA:
•Start number 37 was manually annotated 1 time for cluster FA.

Info for manual annotations of cluster FB:
•Start number 29 was manually annotated 3 times for cluster FB.

•Start number 37 was manually annotated 5 times for cluster FB.
•Start number 44 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FO:
•Start number 25 was manually annotated 1 time for cluster FO.
•Start number 29 was manually annotated 6 times for cluster FO.
•Start number 37 was manually annotated 2 times for cluster FO.

Info for manual annotations of cluster FS:
•Start number 34 was manually annotated 2 times for cluster FS.

Info for manual annotations of cluster N:
•Start number 29 was manually annotated 47 times for cluster N.

Gene Information:

Gene: Abidatro_7 Start: 5488, Stop: 6792, Start Num: 29
Candidate Starts for Abidatro_7:
(6, 5380), (Start: 29 @5488 has 104 MA's), (64, 5620), (112, 5824), (121, 5848), (143, 5929), (152, 5965), (169, 6031), (171, 6043), (205, 6214), (245, 6439), (247, 6451), (262, 6553), (285, 6676), (289, 6712), (292, 6721), (295, 6739),

Gene: Abigail_6 Start: 5142, Stop: 6323, Start Num: 37
Candidate Starts for Abigail_6:
(24, 5112), (Start: 37 @5142 has 179 MA's), (52, 5202), (74, 5319), (104, 5403), (147, 5496), (172, 5586), (178, 5613), (208, 5748), (217, 5805), (241, 5955), (268, 6102), (271, 6114), (302, 6300),

Gene: AdoptaAdorbs_6 Start: 5115, Stop: 6428, Start Num: 29
Candidate Starts for AdoptaAdorbs_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Aggie_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Aggie_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Akino08_6 Start: 5395, Stop: 6579, Start Num: 37
Candidate Starts for Akino08_6:
(Start: 37 @5395 has 179 MA's), (52, 5455), (61, 5500), (74, 5572), (147, 5752), (172, 5842), (178, 5869), (208, 6004), (217, 6061), (218, 6064), (241, 6211), (271, 6370), (299, 6535), (302, 6556),

Gene: Alatato_5 Start: 4556, Stop: 5800, Start Num: 37
Candidate Starts for Alatato_5:
(Start: 37 @4556 has 179 MA's), (42, 4571), (74, 4733), (207, 5198), (224, 5309), (282, 5639), (284, 5663), (295, 5732), (302, 5765),

Gene: Albanese_8 Start: 7534, Stop: 8784, Start Num: 37
Candidate Starts for Albanese_8:
(Start: 37 @7534 has 179 MA's), (207, 8188), (208, 8191), (235, 8359), (248, 8425), (250, 8431), (257, 8488), (266, 8533), (270, 8566), (277, 8602), (297, 8728), (301, 8752),

Gene: Albedo_6 Start: 5130, Stop: 6311, Start Num: 37
Candidate Starts for Albedo_6:
(Start: 37 @5130 has 179 MA's), (52, 5190), (74, 5307), (104, 5391), (147, 5484), (172, 5574), (178, 5601), (181, 5613), (208, 5736), (217, 5793), (241, 5943), (268, 6090), (271, 6102), (302, 6288),

Gene: Albright_6 Start: 5142, Stop: 6323, Start Num: 37
Candidate Starts for Albright_6:
(24, 5112), (Start: 37 @5142 has 179 MA's), (52, 5202), (74, 5319), (104, 5403), (147, 5496), (172, 5586), (178, 5613), (208, 5748), (217, 5805), (241, 5955), (268, 6102), (271, 6114), (302, 6300),

Gene: Aledel_5 Start: 4834, Stop: 6081, Start Num: 36
Candidate Starts for Aledel_5:
(Start: 36 @4834 has 8 MA's), (65, 4960), (148, 5224), (207, 5485), (208, 5488), (235, 5656), (242, 5689), (249, 5725), (250, 5728), (257, 5785),

Gene: AlexMinion_6 Start: 5120, Stop: 6427, Start Num: 29
Candidate Starts for AlexMinion_6:
(Start: 29 @5120 has 104 MA's), (64, 5252), (112, 5456), (121, 5480), (143, 5561), (152, 5597), (160, 5621), (169, 5663), (170, 5672), (205, 5846), (251, 6110), (262, 6185), (268, 6209), (269, 6215), (277, 6254), (284, 6302), (285, 6308), (295, 6371), (302, 6404),

Gene: Aloki_35 Start: 25287, Stop: 26714, Start Num: 9
Candidate Starts for Aloki_35:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: Altostratus_5 Start: 4290, Stop: 5516, Start Num: 34
Candidate Starts for Altostratus_5:
(Start: 34 @4290 has 2 MA's), (42, 4308), (64, 4410), (71, 4452), (79, 4488), (104, 4551), (160, 4695), (178, 4776), (207, 4914), (249, 5154), (251, 5166), (271, 5295), (284, 5379), (289, 5421), (290, 5424),

Gene: Amanises_8 Start: 5711, Stop: 7015, Start Num: 28
Candidate Starts for Amanises_8:
(Start: 28 @5711 has 8 MA's), (64, 5843), (112, 6047), (120, 6068), (143, 6149), (152, 6185), (169, 6251), (171, 6263), (190, 6356), (205, 6434), (247, 6671), (262, 6773), (268, 6797), (273, 6821), (285, 6896), (289, 6932), (295, 6959),

Gene: Amelia_8 Start: 5682, Stop: 6995, Start Num: 29
Candidate Starts for Amelia_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (290, 6915), (292, 6921), (295, 6939),

Gene: AmiCi24_6 Start: 5115, Stop: 6428, Start Num: 29

Candidate Starts for AmiCi24_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Amoonguss_34 Start: 25290, Stop: 26717, Start Num: 9
Candidate Starts for Amoonguss_34:
(Start: 9 @25290 has 14 MA's), (53, 25434), (55, 25446), (64, 25482), (78, 25560), (82, 25578), (97, 25629), (102, 25647), (112, 25683), (120, 25716), (122, 25725), (129, 25746), (154, 25845), (177, 25950), (191, 26028), (207, 26121), (243, 26334), (257, 26427), (258, 26433), (260, 26442), (273, 26499), (302, 26673),

Gene: Amphitrite_6 Start: 5065, Stop: 6426, Start Num: 10
Candidate Starts for Amphitrite_6:
(Start: 10 @5065 has 1 MA's), (Start: 16 @5083 has 1 MA's), (19, 5092), (Start: 29 @5113 has 104 MA's), (64, 5245), (104, 5422), (112, 5449), (121, 5473), (152, 5590), (169, 5656), (170, 5665), (184, 5740), (205, 5845), (247, 6082), (248, 6094), (251, 6109), (262, 6184), (268, 6208), (269, 6214), (277, 6253), (284, 6301), (285, 6307), (295, 6370), (302, 6403),

Gene: Anatole_6 Start: 5027, Stop: 6253, Start Num: 37
Candidate Starts for Anatole_6:
(Start: 37 @5027 has 179 MA's), (46, 5057), (59, 5120), (66, 5159), (73, 5198), (75, 5210), (116, 5324), (131, 5345), (160, 5441), (166, 5468), (169, 5480), (172, 5495), (178, 5522), (194, 5588), (206, 5645), (207, 5657), (221, 5738), (242, 5858), (245, 5867), (270, 6032), (276, 6065), (277, 6068), (284, 6119), (299, 6200), (302, 6221),

Gene: Andies_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Andies_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Andrew_7 Start: 5504, Stop: 6814, Start Num: 29
Candidate Starts for Andrew_7:
(Start: 29 @5504 has 104 MA's), (64, 5636), (104, 5813), (112, 5840), (121, 5864), (152, 5981), (169, 6047), (170, 6056), (186, 6146), (205, 6236), (247, 6473), (248, 6485), (262, 6575), (268, 6599), (269, 6605), (284, 6692), (285, 6698), (295, 6761), (302, 6794),

Gene: AnnaLie_7 Start: 5488, Stop: 6669, Start Num: 37
Candidate Starts for AnnaLie_7:
(24, 5458), (Start: 37 @5488 has 179 MA's), (52, 5548), (74, 5665), (104, 5749), (147, 5842), (172, 5932), (178, 5959), (181, 5971), (208, 6094), (217, 6151), (241, 6301), (268, 6448), (271, 6460), (302, 6646),

Gene: Antrice_7 Start: 5449, Stop: 6753, Start Num: 29
Candidate Starts for Antrice_7:
(18, 5425), (Start: 29 @5449 has 104 MA's), (64, 5581), (96, 5734), (104, 5758), (112, 5785), (137, 5860), (143, 5887), (152, 5923), (161, 5956), (162, 5959), (169, 5989), (170, 5998), (177, 6034), (205, 6178), (238, 6367), (247, 6415), (255, 6457), (268, 6538), (285, 6637), (289, 6673), (295, 6700), (302, 6733), (303, 6739),

Gene: Aoka_7 Start: 5916, Stop: 7220, Start Num: 29
Candidate Starts for Aoka_7:
(Start: 29 @5916 has 104 MA's), (39, 5931), (64, 6045), (152, 6390), (289, 7137),

Gene: AppleCider_8 Start: 7477, Stop: 8727, Start Num: 37
Candidate Starts for AppleCider_8:
(Start: 37 @7477 has 179 MA's), (74, 7654), (113, 7786), (148, 7870), (152, 7885), (207, 8131), (208, 8134), (210, 8152), (235, 8302), (250, 8374), (255, 8398), (257, 8431), (266, 8476), (277, 8545), (278, 8554), (302, 8698),

Gene: Applejacks_5 Start: 4479, Stop: 5720, Start Num: 33
Candidate Starts for Applejacks_5:
(Start: 33 @4479 has 7 MA's), (41, 4491), (64, 4599), (106, 4764), (111, 4782), (115, 4791), (150, 4869), (178, 4983), (181, 4995), (199, 5070), (206, 5106), (216, 5175), (218, 5181), (224, 5229), (230, 5256), (239, 5304), (240, 5316), (249, 5361), (270, 5499), (277, 5535), (290, 5631), (295, 5655),

Gene: Archimedes_4 Start: 3855, Stop: 5147, Start Num: 35
Candidate Starts for Archimedes_4:
(32, 3849), (Start: 35 @3855 has 5 MA's), (41, 3867), (218, 4608), (230, 4683), (240, 4740), (270, 4926), (290, 5058), (293, 5070), (295, 5082), (299, 5094),

Gene: Argena_34 Start: 25287, Stop: 26714, Start Num: 9
Candidate Starts for Argena_34:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: Armstrong_5 Start: 5000, Stop: 6190, Start Num: 37
Candidate Starts for Armstrong_5:
(Start: 37 @5000 has 179 MA's), (52, 5060), (74, 5177), (160, 5399), (172, 5456), (174, 5462), (178, 5483), (180, 5492), (219, 5681), (271, 5975), (277, 6008), (299, 6140), (302, 6161), (307, 6185),

Gene: Arroyo_7 Start: 5612, Stop: 6793, Start Num: 37
Candidate Starts for Arroyo_7:
(24, 5582), (Start: 37 @5612 has 179 MA's), (52, 5672), (74, 5789), (104, 5873), (147, 5966), (172, 6056), (178, 6083), (208, 6218), (217, 6275), (241, 6425), (268, 6572), (271, 6584), (302, 6770),

Gene: Atlantica_6 Start: 5115, Stop: 6428, Start Num: 29
Candidate Starts for Atlantica_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: AustinPowers_5 Start: 4835, Stop: 6082, Start Num: 37
Candidate Starts for AustinPowers_5:
(Start: 37 @4835 has 179 MA's), (65, 4961), (77, 5030), (145, 5216), (148, 5225), (207, 5486), (208, 5489), (235, 5657), (242, 5690), (249, 5726), (250, 5729), (257, 5786),

Gene: AvGardian_6 Start: 5207, Stop: 6391, Start Num: 37
Candidate Starts for AvGardian_6:

(Start: 37 @5207 has 179 MA's), (52, 5267), (61, 5312), (74, 5384), (172, 5654), (178, 5681), (208, 5816), (211, 5837), (241, 6023), (268, 6170), (271, 6182), (299, 6347), (302, 6368),

Gene: Avocadoman_6 Start: 5200, Stop: 6381, Start Num: 37
Candidate Starts for Avocadoman_6:
(24, 5170), (Start: 37 @5200 has 179 MA's), (52, 5260), (74, 5377), (104, 5461), (147, 5554), (172, 5644), (178, 5671), (208, 5806), (217, 5863), (241, 6013), (268, 6160), (271, 6172), (302, 6358),

Gene: AylexOG_7 Start: 5495, Stop: 6676, Start Num: 37
Candidate Starts for AylexOG_7:
(Start: 37 @5495 has 179 MA's), (52, 5555), (74, 5672), (104, 5756), (147, 5849), (172, 5939), (178, 5966), (181, 5978), (208, 6101), (217, 6158), (241, 6308), (268, 6455), (271, 6467), (302, 6653),

Gene: Azaz_6 Start: 5164, Stop: 6471, Start Num: 29
Candidate Starts for Azaz_6:
(Start: 15 @5131 has 1 MA's), (Start: 20 @5143 has 5 MA's), (Start: 29 @5164 has 104 MA's), (64, 5296), (104, 5473), (112, 5500), (121, 5524), (143, 5605), (152, 5641), (169, 5707), (170, 5716), (177, 5752), (205, 5890), (247, 6127), (248, 6139), (262, 6229), (268, 6253), (269, 6259), (285, 6352), (295, 6415), (302, 6448),

Gene: B3_6 Start: 5027, Stop: 6253, Start Num: 37
Candidate Starts for B3_6:
(Start: 37 @5027 has 179 MA's), (46, 5057), (59, 5120), (66, 5159), (73, 5198), (75, 5210), (116, 5324), (131, 5345), (160, 5441), (166, 5468), (169, 5480), (172, 5495), (178, 5522), (194, 5588), (206, 5645), (207, 5657), (221, 5738), (242, 5858), (245, 5867), (270, 6032), (276, 6065), (277, 6068), (282, 6095), (284, 6119), (299, 6200), (302, 6221),

Gene: BAjuniper_6 Start: 5180, Stop: 6382, Start Num: 37
Candidate Starts for BAjuniper_6:
(Start: 37 @5180 has 179 MA's), (52, 5240), (74, 5357), (80, 5384), (104, 5450), (156, 5576), (172, 5648), (178, 5675), (189, 5708), (197, 5756), (211, 5831), (218, 5870), (270, 6164), (290, 6296), (302, 6353),

Gene: BFK20_ORF6 Start: 4859, Stop: 6100, Start Num: 47
Candidate Starts for BFK20_ORF6:
(Start: 27 @4799 has 5 MA's), (32, 4814), (47, 4859), (60, 4925), (74, 5000), (83, 5033), (133, 5174), (166, 5300), (169, 5312), (172, 5327), (178, 5354), (180, 5372), (193, 5423), (204, 5477), (207, 5498), (213, 5543), (226, 5618), (235, 5669), (240, 5693), (244, 5708), (259, 5810), (266, 5843), (282, 5939), (287, 5984), (298, 6041), (307, 6089),

Gene: BabeRuth_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for BabeRuth_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Babushka_6 Start: 5157, Stop: 6470, Start Num: 29
Candidate Starts for Babushka_6:
(Start: 15 @5124 has 1 MA's), (Start: 20 @5136 has 5 MA's), (Start: 29 @5157 has 104 MA's), (Start: 37 @5172 has 179 MA's), (64, 5289), (104, 5466), (112, 5493), (121, 5517), (143, 5598), (152, 5634), (169, 5700), (170, 5709), (184, 5784), (205, 5889), (247, 6126), (248, 6138), (251, 6153), (262, 6228),

(268, 6252), (269, 6258), (284, 6345), (285, 6351), (295, 6414), (302, 6447),

Gene: BabyDaisy_7 Start: 5391, Stop: 6572, Start Num: 37
Candidate Starts for BabyDaisy_7:
(Start: 37 @5391 has 179 MA's), (52, 5451), (74, 5568), (104, 5652), (107, 5673), (147, 5745), (172, 5835), (178, 5862), (208, 5997), (241, 6204), (271, 6363), (302, 6549),

Gene: BabyYoda_6 Start: 5401, Stop: 6585, Start Num: 37
Candidate Starts for BabyYoda_6:
(Start: 37 @5401 has 179 MA's), (52, 5461), (61, 5506), (74, 5578), (147, 5758), (172, 5848), (178, 5875), (208, 6010), (217, 6067), (218, 6070), (241, 6217), (271, 6376), (302, 6562),

Gene: Bachaco_6 Start: 5305, Stop: 6501, Start Num: 37
Candidate Starts for Bachaco_6:
(Start: 37 @5305 has 179 MA's), (74, 5482), (104, 5575), (110, 5602), (147, 5668), (172, 5758), (178, 5785), (209, 5929), (211, 5941), (218, 5980), (241, 6127), (271, 6286), (299, 6451),

Gene: BadWillHunting_8 Start: 5682, Stop: 6995, Start Num: 29
Candidate Starts for BadWillHunting_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (290, 6915), (292, 6921), (295, 6939),

Gene: Banquo_14 Start: 8387, Stop: 9637, Start Num: 37
Candidate Starts for Banquo_14:
(Start: 37 @8387 has 179 MA's), (50, 8438), (75, 8567), (85, 8594), (104, 8654), (117, 8699), (144, 8756), (145, 8759), (169, 8855), (194, 8963), (202, 8993), (209, 9044), (211, 9056), (218, 9095), (222, 9116), (229, 9164), (240, 9227), (247, 9257), (271, 9413), (277, 9446), (280, 9467), (288, 9530), (290, 9542), (293, 9554),

Gene: Basilisk_7 Start: 5750, Stop: 7054, Start Num: 29
Candidate Starts for Basilisk_7:
(Start: 29 @5750 has 104 MA's), (64, 5882), (112, 6086), (143, 6191), (152, 6227), (169, 6293), (171, 6305), (177, 6338), (205, 6476), (222, 6578), (242, 6692), (245, 6701), (246, 6710), (262, 6815), (273, 6863), (285, 6938), (289, 6974), (295, 7001),

Gene: Bedetta_8 Start: 5682, Stop: 6995, Start Num: 29
Candidate Starts for Bedetta_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (292, 6921), (295, 6939),

Gene: Beethoven_8 Start: 7463, Stop: 8716, Start Num: 37
Candidate Starts for Beethoven_8:
(Start: 37 @7463 has 179 MA's), (145, 7850), (148, 7859), (196, 8066), (207, 8120), (208, 8123), (210, 8141), (221, 8201), (235, 8291), (249, 8360), (250, 8363), (266, 8465), (273, 8513),

Gene: BelmontSKP_7 Start: 5488, Stop: 6669, Start Num: 37
Candidate Starts for BelmontSKP_7:
(24, 5458), (Start: 37 @5488 has 179 MA's), (52, 5548), (74, 5665), (104, 5749), (147, 5842), (172, 5932), (178, 5959), (181, 5971), (208, 6094), (217, 6151), (241, 6301), (268, 6448), (271, 6460), (302, 6646),

Gene: Bengal_6 Start: 5142, Stop: 6323, Start Num: 37
Candidate Starts for Bengal_6:
(24, 5112), (Start: 37 @5142 has 179 MA's), (52, 5202), (74, 5319), (104, 5403), (147, 5496), (172, 5586), (178, 5613), (208, 5748), (217, 5805), (241, 5955), (268, 6102), (271, 6114), (302, 6300),

Gene: Bennie_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Bennie_5:
(Start: 37 @4822 has 179 MA's), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (235, 5644), (249, 5713), (250, 5716), (255, 5740), (266, 5818), (273, 5866), (277, 5887),

Gene: Bernstein_5 Start: 5060, Stop: 6250, Start Num: 37
Candidate Starts for Bernstein_5:
(Start: 37 @5060 has 179 MA's), (52, 5120), (74, 5237), (160, 5459), (172, 5516), (174, 5522), (178, 5543), (180, 5552), (219, 5741), (271, 6035), (277, 6068), (299, 6200), (302, 6221), (307, 6245),

Gene: Beted_35 Start: 26967, Stop: 28394, Start Num: 9
Candidate Starts for Beted_35:
(Start: 9 @26967 has 14 MA's), (53, 27111), (55, 27123), (64, 27159), (78, 27237), (82, 27255), (97, 27306), (102, 27324), (112, 27360), (120, 27393), (122, 27402), (129, 27423), (154, 27522), (177, 27627), (191, 27705), (207, 27798), (243, 28011), (257, 28104), (258, 28110), (260, 28119), (273, 28176), (302, 28350),

Gene: Bibble12_8 Start: 5685, Stop: 6998, Start Num: 29
Candidate Starts for Bibble12_8:
(Start: 20 @5664 has 5 MA's), (Start: 29 @5685 has 104 MA's), (64, 5817), (95, 5961), (104, 5994), (112, 6021), (152, 6162), (169, 6228), (170, 6237), (177, 6273), (205, 6417), (246, 6651), (248, 6666), (249, 6669), (262, 6756), (268, 6780), (277, 6825), (284, 6873), (285, 6879), (292, 6924), (295, 6942),

Gene: BigMack_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for BigMack_5:
(Start: 37 @4822 has 179 MA's), (77, 5017), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (250, 5716), (266, 5818), (273, 5866),

Gene: Bodacious_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Bodacious_5:
(Start: 37 @4822 has 179 MA's), (77, 5017), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (266, 5818), (273, 5866),

Gene: Bosection6_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Bosection6_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Brahms_5 Start: 5000, Stop: 6190, Start Num: 37
Candidate Starts for Brahms_5:
(Start: 37 @5000 has 179 MA's), (52, 5060), (74, 5177), (160, 5399), (172, 5456), (174, 5462), (178, 5483), (180, 5492), (219, 5681), (271, 5975), (277, 6008), (299, 6140), (302, 6161), (307, 6185),

Gene: BrayBeast_6 Start: 4815, Stop: 6131, Start Num: 29
Candidate Starts for BrayBeast_6:

(Start: 20 @4794 has 5 MA's), (Start: 29 @4815 has 104 MA's), (39, 4830), (64, 4944), (96, 5097), (104, 5121), (112, 5148), (135, 5217), (152, 5295), (161, 5328), (171, 5373), (187, 5463), (245, 5775), (247, 5787), (251, 5814), (255, 5829), (277, 5958), (290, 6051), (299, 6087),

Gene: BrotherBLo_8 Start: 7469, Stop: 8722, Start Num: 37
Candidate Starts for BrotherBLo_8:
(Start: 37 @7469 has 179 MA's), (148, 7865), (166, 7934), (196, 8072), (207, 8126), (208, 8129), (210, 8147), (221, 8207), (235, 8297), (249, 8366), (250, 8369), (266, 8471), (273, 8519), (306, 8714),

Gene: Brynnie_7 Start: 5547, Stop: 6851, Start Num: 29
Candidate Starts for Brynnie_7:
(Start: 29 @5547 has 104 MA's), (64, 5679), (112, 5883), (121, 5907), (143, 5988), (152, 6024), (169, 6090), (171, 6102), (177, 6135), (205, 6273), (222, 6375), (242, 6489), (245, 6498), (246, 6507), (262, 6612), (273, 6660), (285, 6735), (289, 6771), (295, 6798),

Gene: BubbaBear_6 Start: 5130, Stop: 6311, Start Num: 37
Candidate Starts for BubbaBear_6:
(Start: 37 @5130 has 179 MA's), (52, 5190), (74, 5307), (104, 5391), (147, 5484), (172, 5574), (178, 5601), (181, 5613), (208, 5736), (217, 5793), (241, 5943), (268, 6090), (271, 6102), (302, 6288),

Gene: Buldak_6 Start: 5460, Stop: 6674, Start Num: 37
Candidate Starts for Buldak_6:
(Start: 37 @5460 has 179 MA's), (74, 5637), (114, 5772), (142, 5820), (172, 5934), (178, 5961), (208, 6096), (214, 6141), (230, 6231), (240, 6297), (270, 6462), (290, 6594), (295, 6618), (299, 6630), (302, 6651),

Gene: Burritobowl_6 Start: 5140, Stop: 6321, Start Num: 37
Candidate Starts for Burritobowl_6:
(24, 5110), (Start: 37 @5140 has 179 MA's), (52, 5200), (74, 5317), (104, 5401), (147, 5494), (172, 5584), (178, 5611), (208, 5746), (217, 5803), (241, 5953), (268, 6100), (271, 6112), (302, 6298),

Gene: Butters_6 Start: 4369, Stop: 5661, Start Num: 29
Candidate Starts for Butters_6:
(Start: 29 @4369 has 104 MA's), (Start: 35 @4381 has 5 MA's), (55, 4465), (64, 4501), (85, 4597), (96, 4630), (103, 4651), (110, 4678), (112, 4681), (145, 4792), (152, 4822), (158, 4840), (162, 4858), (169, 4888), (170, 4897), (177, 4933), (181, 4957), (187, 4996), (197, 5050), (205, 5083), (209, 5113), (245, 5308), (246, 5317), (249, 5335), (268, 5440), (269, 5446), (284, 5533), (285, 5539), (305, 5647),

Gene: CallieOMalley_8 Start: 7477, Stop: 8727, Start Num: 37
Candidate Starts for CallieOMalley_8:
(Start: 37 @7477 has 179 MA's), (74, 7654), (113, 7786), (148, 7870), (152, 7885), (207, 8131), (208, 8134), (210, 8152), (235, 8302), (250, 8374), (255, 8398), (257, 8431), (266, 8476), (277, 8545), (278, 8554), (297, 8671), (302, 8698),

Gene: Camara_6 Start: 5068, Stop: 6429, Start Num: 10
Candidate Starts for Camara_6:
(Start: 10 @5068 has 1 MA's), (Start: 16 @5086 has 1 MA's), (19, 5095), (Start: 29 @5116 has 104 MA's), (64, 5248), (104, 5425), (112, 5452), (121, 5476), (152, 5593), (169, 5659), (170, 5668), (184, 5743), (205, 5848), (247, 6085), (248, 6097), (251, 6112), (262, 6187), (268, 6211), (269, 6217), (277, 6256), (284, 6304), (285, 6310), (295, 6373), (302, 6406),

Gene: CanFranMach_6 Start: 5141, Stop: 6322, Start Num: 37
Candidate Starts for CanFranMach_6:

(24, 5111), (Start: 37 @5141 has 179 MA's), (52, 5201), (74, 5318), (104, 5402), (147, 5495), (172, 5585), (178, 5612), (208, 5747), (217, 5804), (241, 5954), (268, 6101), (271, 6113), (290, 6242), (299, 6278), (302, 6299),

Gene: Canowicakte_8 Start: 7512, Stop: 8762, Start Num: 37
Candidate Starts for Canowicakte_8:
(Start: 37 @7512 has 179 MA's), (74, 7689), (113, 7821), (148, 7905), (152, 7920), (207, 8166), (208, 8169), (210, 8187), (235, 8337), (250, 8409), (255, 8433), (257, 8466), (266, 8511), (277, 8580), (278, 8589), (302, 8733),

Gene: Cantare_14 Start: 13513, Stop: 14820, Start Num: 11
Candidate Starts for Cantare_14:
(Start: 11 @13513 has 1 MA's), (Start: 26 @13555 has 1 MA's), (Start: 35 @13576 has 5 MA's), (49, 13627), (67, 13711), (77, 13747), (87, 13780), (105, 13834), (112, 13858), (191, 14155), (206, 14236), (207, 14248), (243, 14455), (250, 14488), (255, 14512), (260, 14563), (267, 14587), (270, 14605), (299, 14773), (302, 14794),

Gene: Carcharodon_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Carcharodon_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Carpal_8 Start: 7469, Stop: 8722, Start Num: 37
Candidate Starts for Carpal_8:
(Start: 37 @7469 has 179 MA's), (145, 7856), (148, 7865), (196, 8072), (207, 8126), (208, 8129), (210, 8147), (221, 8207), (235, 8297), (249, 8366), (250, 8369), (266, 8471), (273, 8519),

Gene: Cashington_6 Start: 5130, Stop: 6311, Start Num: 37
Candidate Starts for Cashington_6:
(24, 5100), (Start: 37 @5130 has 179 MA's), (52, 5190), (74, 5307), (104, 5391), (147, 5484), (172, 5574), (178, 5601), (208, 5736), (217, 5793), (241, 5943), (268, 6090), (271, 6102), (302, 6288),

Gene: Catfish_9 Start: 6326, Stop: 7576, Start Num: 37
Candidate Starts for Catfish_9:
(Start: 14 @6269 has 4 MA's), (Start: 23 @6287 has 2 MA's), (Start: 37 @6326 has 179 MA's), (63, 6431), (75, 6503), (85, 6533), (104, 6593), (117, 6638), (139, 6680), (175, 6833), (188, 6875), (193, 6905), (209, 6992), (211, 7004), (213, 7025), (218, 7043), (234, 7142), (240, 7175), (249, 7220), (265, 7322), (271, 7361), (282, 7421), (290, 7490), (302, 7547), (303, 7553),

Gene: Celaena_6 Start: 5242, Stop: 6438, Start Num: 37
Candidate Starts for Celaena_6:
(Start: 37 @5242 has 179 MA's), (74, 5419), (104, 5512), (110, 5539), (147, 5605), (172, 5695), (178, 5722), (209, 5866), (211, 5878), (218, 5917), (241, 6064), (271, 6223), (299, 6388),

Gene: Charlie_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Charlie_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: ChewChew_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for ChewChew_5:
(Start: 37 @4822 has 179 MA's), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (266, 5818), (273, 5866),

Gene: Chewbacca_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Chewbacca_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Chickaboom_6 Start: 5194, Stop: 6498, Start Num: 29
Candidate Starts for Chickaboom_6:
(6, 5089), (13, 5155), (21, 5173), (Start: 29 @5194 has 104 MA's), (64, 5326), (112, 5530), (121, 5554), (143, 5635), (152, 5671), (169, 5737), (171, 5749), (177, 5782), (205, 5920), (245, 6145), (247, 6157), (262, 6259), (268, 6283), (273, 6307), (284, 6376), (285, 6382), (289, 6418), (295, 6445),

Gene: Chicken_7 Start: 5493, Stop: 6803, Start Num: 28
Candidate Starts for Chicken_7:
(Start: 28 @5493 has 8 MA's), (64, 5625), (76, 5697), (88, 5739), (112, 5829), (120, 5850), (143, 5931), (152, 5967), (169, 6033), (171, 6045), (205, 6222), (245, 6447), (247, 6459), (262, 6561), (273, 6609), (284, 6678), (285, 6684), (289, 6720), (295, 6747),

Gene: Chidiebere_35 Start: 25287, Stop: 26714, Start Num: 9
Candidate Starts for Chidiebere_35:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: ChiliPepper_6 Start: 5395, Stop: 6588, Start Num: 37
Candidate Starts for ChiliPepper_6:
(Start: 37 @5395 has 179 MA's), (52, 5455), (172, 5851), (178, 5878), (193, 5938), (208, 6013), (209, 6022), (217, 6070), (218, 6073), (241, 6220), (271, 6379), (299, 6544), (302, 6565),

Gene: ChisanaKitsune_31 Start: 24080, Stop: 25507, Start Num: 9
Candidate Starts for ChisanaKitsune_31:
(Start: 9 @24080 has 14 MA's), (53, 24224), (55, 24236), (64, 24272), (78, 24350), (82, 24368), (97, 24419), (112, 24473), (120, 24506), (122, 24515), (129, 24536), (154, 24635), (177, 24740), (191, 24818), (207, 24911), (243, 25124), (257, 25217), (258, 25223), (260, 25232), (273, 25289), (302, 25463),

Gene: Cholula_8 Start: 7514, Stop: 8767, Start Num: 37
Candidate Starts for Cholula_8:
(Start: 37 @7514 has 179 MA's), (145, 7901), (148, 7910), (196, 8117), (207, 8171), (208, 8174), (210, 8192), (221, 8252), (235, 8342), (249, 8411), (250, 8414), (266, 8516), (273, 8564),

Gene: Chridison_5 Start: 4835, Stop: 6082, Start Num: 37
Candidate Starts for Chridison_5:
(Start: 37 @4835 has 179 MA's), (65, 4961), (77, 5030), (145, 5216), (148, 5225), (207, 5486), (208, 5489), (235, 5657), (242, 5690), (249, 5726), (250, 5729), (257, 5786),

Gene: Christian_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Christian_5:
(Start: 37 @4822 has 179 MA's), (113, 5128), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (266, 5818), (273, 5866),

Gene: Clayda5_5 Start: 5000, Stop: 6190, Start Num: 37
Candidate Starts for Clayda5_5:
(Start: 37 @5000 has 179 MA's), (52, 5060), (74, 5177), (160, 5399), (172, 5456), (174, 5462), (178, 5483), (180, 5492), (219, 5681), (271, 5975), (277, 6008), (299, 6140), (302, 6161), (307, 6185),

Gene: CliffHanger_7 Start: 5253, Stop: 6458, Start Num: 36
Candidate Starts for CliffHanger_7:
(Start: 36 @5253 has 8 MA's), (65, 5379), (74, 5430), (93, 5490), (160, 5664), (172, 5721), (193, 5808), (202, 5841), (208, 5883), (251, 6144), (271, 6249), (290, 6378),

Gene: CocoCinnamon_9 Start: 5985, Stop: 7304, Start Num: 29
Candidate Starts for CocoCinnamon_9:
(Start: 29 @5985 has 104 MA's), (39, 6000), (64, 6114), (96, 6267), (112, 6318), (135, 6393), (145, 6441), (152, 6471), (177, 6582), (245, 6951), (273, 7110), (277, 7131), (290, 7224),

Gene: Coltrane_5 Start: 5000, Stop: 6190, Start Num: 37
Candidate Starts for Coltrane_5:
(Start: 37 @5000 has 179 MA's), (52, 5060), (74, 5177), (160, 5399), (172, 5456), (174, 5462), (178, 5483), (180, 5492), (219, 5681), (271, 5975), (277, 6008), (299, 6140), (302, 6161), (307, 6185),

Gene: Colusalem_7 Start: 5521, Stop: 6834, Start Num: 29
Candidate Starts for Colusalem_7:
(Start: 20 @5500 has 5 MA's), (Start: 29 @5521 has 104 MA's), (64, 5653), (95, 5797), (104, 5830), (112, 5857), (152, 5998), (169, 6064), (170, 6073), (177, 6109), (205, 6253), (246, 6487), (248, 6502), (249, 6505), (262, 6592), (268, 6616), (277, 6661), (284, 6709), (285, 6715), (290, 6754), (292, 6760), (295, 6778),

Gene: Coral_7 Start: 5500, Stop: 6834, Start Num: 20
Candidate Starts for Coral_7:
(Start: 20 @5500 has 5 MA's), (Start: 29 @5521 has 104 MA's), (64, 5653), (95, 5797), (104, 5830), (112, 5857), (152, 5998), (169, 6064), (170, 6073), (177, 6109), (205, 6253), (246, 6487), (248, 6502), (249, 6505), (262, 6592), (268, 6616), (277, 6661), (284, 6709), (285, 6715), (290, 6754), (292, 6760), (295, 6778),

Gene: Cote_8 Start: 5661, Stop: 6995, Start Num: 20
Candidate Starts for Cote_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (290, 6915), (292, 6921), (295, 6939),

Gene: CristinaYang_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for CristinaYang_5:
(Start: 37 @4822 has 179 MA's), (77, 5017), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (266, 5818), (273, 5866),

Gene: CroZenni_6 Start: 5142, Stop: 6323, Start Num: 37
Candidate Starts for CroZenni_6:

(24, 5112), (Start: 37 @5142 has 179 MA's), (52, 5202), (74, 5319), (104, 5403), (147, 5496), (172, 5586), (178, 5613), (181, 5625), (208, 5748), (217, 5805), (241, 5955), (268, 6102), (271, 6114), (302, 6300),

Gene: Cubone_6 Start: 4372, Stop: 5667, Start Num: 29
Candidate Starts for Cubone_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (187, 4999), (197, 5053), (205, 5086), (213, 5149), (230, 5242), (245, 5311), (246, 5320), (249, 5338), (267, 5434), (268, 5443), (269, 5449), (270, 5452), (281, 5509), (284, 5536), (285, 5542),

Gene: CupcakePrincess_6 Start: 5127, Stop: 6308, Start Num: 37
Candidate Starts for CupcakePrincess_6:
(Start: 37 @5127 has 179 MA's), (52, 5187), (74, 5304), (104, 5388), (147, 5481), (172, 5571), (178, 5598), (181, 5610), (208, 5733), (217, 5790), (241, 5940), (268, 6087), (271, 6099), (302, 6285),

Gene: Cygnet_7 Start: 5474, Stop: 6781, Start Num: 29
Candidate Starts for Cygnet_7:
(22, 5453), (Start: 29 @5474 has 104 MA's), (64, 5606), (96, 5759), (104, 5783), (112, 5810), (121, 5831), (137, 5885), (143, 5912), (152, 5948), (161, 5981), (162, 5984), (169, 6014), (170, 6023), (177, 6059), (205, 6203), (238, 6392), (247, 6440), (255, 6482), (268, 6563), (285, 6662), (289, 6698), (295, 6725), (302, 6758),

Gene: Daiboju_5 Start: 4834, Stop: 6081, Start Num: 37
Candidate Starts for Daiboju_5:
(Start: 37 @4834 has 179 MA's), (65, 4960), (107, 5128), (145, 5215), (207, 5485), (208, 5488), (221, 5566), (235, 5656), (250, 5728), (257, 5785), (270, 5863), (277, 5899),

Gene: DalanDe_28 Start: 27476, Stop: 28846, Start Num: 12
Candidate Starts for DalanDe_28:
(Start: 12 @27476 has 1 MA's), (55, 27620), (62, 27650), (64, 27656), (73, 27710), (77, 27725), (97, 27803), (99, 27809), (112, 27857), (120, 27899), (129, 27929), (168, 28082), (183, 28160), (202, 28241), (210, 28301), (243, 28487), (256, 28550), (257, 28580), (270, 28637), (273, 28652), (284, 28724), (291, 28772), (292, 28775),

Gene: Damocles_8 Start: 5682, Stop: 6995, Start Num: 29
Candidate Starts for Damocles_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (292, 6921), (295, 6939),

Gene: DanHam62_6 Start: 5115, Stop: 6428, Start Num: 29
Candidate Starts for DanHam62_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Daob_8 Start: 5664, Stop: 6998, Start Num: 20
Candidate Starts for Daob_8:
(Start: 20 @5664 has 5 MA's), (Start: 29 @5685 has 104 MA's), (64, 5817), (95, 5961), (104, 5994), (112, 6021), (152, 6162), (169, 6228), (170, 6237), (177, 6273), (205, 6417), (246, 6651), (248, 6666),

(249, 6669), (262, 6756), (268, 6780), (277, 6825), (284, 6873), (285, 6879), (290, 6918), (292, 6924), (295, 6942),

Gene: Dardanus_12 Start: 7394, Stop: 8644, Start Num: 37
Candidate Starts for Dardanus_12:
(Start: 23 @7361 has 2 MA's), (Start: 28 @7376 has 8 MA's), (Start: 37 @7394 has 179 MA's), (46, 7424), (50, 7445), (75, 7580), (85, 7607), (104, 7664), (113, 7697), (117, 7709), (144, 7766), (151, 7793), (169, 7865), (194, 7973), (202, 8003), (209, 8054), (218, 8105), (222, 8126), (226, 8162), (240, 8237), (247, 8267), (249, 8282), (261, 8360), (265, 8384), (280, 8477), (290, 8552), (303, 8615), (304, 8621),

Gene: DearBasketball_6 Start: 4497, Stop: 5810, Start Num: 29
Candidate Starts for DearBasketball_6:
(Start: 29 @4497 has 104 MA's), (43, 4536), (55, 4599), (64, 4635), (101, 4800), (152, 4980), (163, 5022), (168, 5043), (171, 5058), (187, 5148), (205, 5235), (210, 5274), (227, 5376), (238, 5424), (250, 5490), (253, 5505), (262, 5568), (284, 5685), (287, 5706), (299, 5766),

Gene: DickRichards_6 Start: 5607, Stop: 6788, Start Num: 37
Candidate Starts for DickRichards_6:
(24, 5577), (Start: 37 @5607 has 179 MA's), (52, 5667), (74, 5784), (104, 5868), (147, 5961), (172, 6051), (178, 6078), (208, 6213), (217, 6270), (241, 6420), (268, 6567), (271, 6579), (302, 6765),

Gene: Didgeridoo_7 Start: 5391, Stop: 6572, Start Num: 37
Candidate Starts for Didgeridoo_7:
(Start: 37 @5391 has 179 MA's), (52, 5451), (74, 5568), (104, 5652), (107, 5673), (147, 5745), (172, 5835), (178, 5862), (208, 5997), (241, 6204), (271, 6363), (302, 6549),

Gene: Dino_8 Start: 7469, Stop: 8722, Start Num: 37
Candidate Starts for Dino_8:
(Start: 37 @7469 has 179 MA's), (145, 7856), (148, 7865), (196, 8072), (207, 8126), (208, 8129), (210, 8147), (221, 8207), (235, 8297), (249, 8366), (250, 8369), (266, 8471), (273, 8519),

Gene: DinoDaryn_12 Start: 7418, Stop: 8725, Start Num: 14
Candidate Starts for DinoDaryn_12:
(Start: 14 @7418 has 4 MA's), (Start: 23 @7436 has 2 MA's), (Start: 37 @7469 has 179 MA's), (40, 7475), (75, 7649), (82, 7670), (85, 7676), (104, 7739), (117, 7784), (166, 7928), (172, 7955), (188, 8012), (209, 8129), (211, 8141), (213, 8162), (230, 8255), (248, 8357), (250, 8363), (261, 8438), (270, 8498), (276, 8531), (282, 8561), (283, 8579), (286, 8597), (290, 8630), (293, 8642),

Gene: DinoNuggs_7 Start: 4610, Stop: 5923, Start Num: 29
Candidate Starts for DinoNuggs_7:
(Start: 29 @4610 has 104 MA's), (43, 4649), (55, 4712), (64, 4748), (101, 4913), (152, 5093), (163, 5135), (171, 5171), (205, 5348), (210, 5387), (227, 5489), (238, 5537), (250, 5603), (253, 5618), (262, 5681), (284, 5798), (287, 5819), (299, 5879),

Gene: DirtyBubble_6 Start: 5400, Stop: 6584, Start Num: 37
Candidate Starts for DirtyBubble_6:
(Start: 37 @5400 has 179 MA's), (52, 5460), (61, 5505), (74, 5577), (147, 5757), (172, 5847), (178, 5874), (208, 6009), (217, 6066), (218, 6069), (241, 6216), (271, 6375), (302, 6561),

Gene: Dismas_6 Start: 5395, Stop: 6588, Start Num: 37
Candidate Starts for Dismas_6:

(Start: 37 @5395 has 179 MA's), (52, 5455), (172, 5851), (178, 5878), (193, 5938), (208, 6013), (209, 6022), (217, 6070), (218, 6073), (241, 6220), (271, 6379), (299, 6544), (302, 6565),

Gene: DonkeyMan_6 Start: 4491, Stop: 5804, Start Num: 29
Candidate Starts for DonkeyMan_6:
(Start: 29 @4491 has 104 MA's), (43, 4530), (55, 4593), (64, 4629), (101, 4794), (152, 4974), (163, 5016), (168, 5037), (171, 5052), (187, 5142), (205, 5229), (210, 5268), (227, 5370), (238, 5418), (250, 5484), (253, 5499), (262, 5562), (284, 5679), (299, 5760),

Gene: Doobus_6 Start: 5364, Stop: 6545, Start Num: 37
Candidate Starts for Doobus_6:
(24, 5334), (Start: 37 @5364 has 179 MA's), (52, 5424), (74, 5541), (104, 5625), (147, 5718), (172, 5808), (178, 5835), (208, 5970), (217, 6027), (241, 6177), (268, 6324), (271, 6336), (302, 6522),

Gene: DrRobert_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for DrRobert_5:
(Start: 37 @4822 has 179 MA's), (113, 5128), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (266, 5818), (273, 5866),

Gene: DreamTeam_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for DreamTeam_5:
(Start: 37 @4822 has 179 MA's), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (235, 5644), (249, 5713), (250, 5716), (264, 5812), (266, 5818), (273, 5866),

Gene: Duplicity_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Duplicity_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: E1_6 Start: 5027, Stop: 6253, Start Num: 37
Candidate Starts for E1_6:
(Start: 37 @5027 has 179 MA's), (46, 5057), (59, 5120), (66, 5159), (73, 5198), (75, 5210), (116, 5324), (131, 5345), (160, 5441), (166, 5468), (169, 5480), (172, 5495), (178, 5522), (194, 5588), (206, 5645), (207, 5657), (221, 5738), (242, 5858), (245, 5867), (270, 6032), (276, 6065), (277, 6068), (284, 6119), (299, 6200), (302, 6221),

Gene: EGUnicorn_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for EGUnicorn_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Eden_5 Start: 5055, Stop: 6242, Start Num: 37
Candidate Starts for Eden_5:
(Start: 37 @5055 has 179 MA's), (74, 5232), (85, 5268), (160, 5448), (172, 5505), (178, 5532), (254, 5940), (270, 6030), (275, 6060), (295, 6186), (299, 6198), (303, 6225),

Gene: Eesa_7 Start: 5714, Stop: 7018, Start Num: 28
Candidate Starts for Eesa_7:

(Start: 28 @5714 has 8 MA's), (64, 5846), (112, 6050), (120, 6071), (143, 6152), (152, 6188), (169, 6254), (171, 6266), (190, 6359), (205, 6437), (247, 6674), (262, 6776), (268, 6800), (273, 6824), (285, 6899), (289, 6935), (295, 6962),

Gene: Elener_8 Start: 6676, Stop: 8010, Start Num: 35
Candidate Starts for Elener_8:
(Start: 35 @6676 has 5 MA's), (48, 6718), (64, 6796), (102, 6967), (123, 7051), (128, 7063), (159, 7183), (169, 7228), (173, 7243), (202, 7399), (205, 7420), (270, 7801), (281, 7858), (299, 7966), (303, 7993), (304, 7999),

Gene: Elva_7 Start: 5469, Stop: 6656, Start Num: 37
Candidate Starts for Elva_7:
(Start: 37 @5469 has 179 MA's), (52, 5529), (61, 5574), (74, 5646), (147, 5829), (172, 5919), (178, 5946), (208, 6081), (217, 6138), (218, 6141), (241, 6288), (271, 6447), (290, 6576), (299, 6612), (302, 6633),

Gene: EmoNemo_34 Start: 25287, Stop: 26714, Start Num: 9
Candidate Starts for EmoNemo_34:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: EstebanJulior_5 Start: 4813, Stop: 6063, Start Num: 37
Candidate Starts for EstebanJulior_5:
(Start: 37 @4813 has 179 MA's), (196, 5413), (207, 5467), (208, 5470), (210, 5488), (235, 5638), (249, 5707), (250, 5710), (255, 5734), (266, 5812), (273, 5860),

Gene: Eula_6 Start: 5127, Stop: 6308, Start Num: 37
Candidate Starts for Eula_6:
(Start: 37 @5127 has 179 MA's), (52, 5187), (74, 5304), (104, 5388), (147, 5481), (172, 5571), (178, 5598), (181, 5610), (208, 5733), (217, 5790), (241, 5940), (268, 6087), (271, 6099), (302, 6285),

Gene: Eunoia_5 Start: 4834, Stop: 6081, Start Num: 36
Candidate Starts for Eunoia_5:
(Start: 36 @4834 has 8 MA's), (65, 4960), (148, 5224), (207, 5485), (208, 5488), (235, 5656), (242, 5689), (249, 5725), (250, 5728), (257, 5785),

Gene: EvenBluerMoon_7 Start: 5914, Stop: 7218, Start Num: 29
Candidate Starts for EvenBluerMoon_7:
(Start: 29 @5914 has 104 MA's), (39, 5929), (64, 6043), (152, 6388), (289, 7135),

Gene: Faith5x5_6 Start: 4347, Stop: 5654, Start Num: 27
Candidate Starts for Faith5x5_6:
(Start: 27 @4347 has 5 MA's), (55, 4443), (64, 4479), (76, 4551), (77, 4557), (96, 4632), (100, 4641), (112, 4683), (127, 4725), (132, 4740), (152, 4824), (163, 4866), (176, 4932), (177, 4935), (187, 4992), (202, 5058), (205, 5079), (246, 5313), (269, 5442), (285, 5535), (289, 5571), (295, 5598),

Gene: Farrylious_34 Start: 25062, Stop: 26489, Start Num: 9
Candidate Starts for Farrylious_34:
(Start: 9 @25062 has 14 MA's), (53, 25206), (55, 25218), (64, 25254), (78, 25332), (82, 25350), (97, 25401), (102, 25419), (112, 25455), (120, 25488), (122, 25497), (129, 25518), (154, 25617), (177, 25722), (191, 25800), (207, 25893), (243, 26106), (257, 26199), (258, 26205), (260, 26214), (273,

26271), (302, 26445),

Gene: Finalfrontier_7 Start: 5633, Stop: 6814, Start Num: 37
Candidate Starts for Finalfrontier_7:
(Start: 37 @5633 has 179 MA's), (52, 5693), (74, 5810), (104, 5894), (147, 5987), (172, 6077), (178, 6104), (181, 6116), (208, 6239), (217, 6296), (241, 6446), (268, 6593), (271, 6605), (302, 6791),

Gene: Fingolfin_6 Start: 5117, Stop: 6430, Start Num: 29
Candidate Starts for Fingolfin_6:
(Start: 10 @5069 has 1 MA's), (Start: 16 @5087 has 1 MA's), (19, 5096), (Start: 29 @5117 has 104 MA's), (64, 5249), (104, 5426), (112, 5453), (121, 5477), (152, 5594), (169, 5660), (170, 5669), (184, 5744), (205, 5849), (247, 6086), (248, 6098), (251, 6113), (262, 6188), (268, 6212), (269, 6218), (277, 6257), (284, 6305), (285, 6311), (295, 6374), (302, 6407),

Gene: FlameThrower_6 Start: 5238, Stop: 6434, Start Num: 37
Candidate Starts for FlameThrower_6:
(Start: 37 @5238 has 179 MA's), (74, 5415), (104, 5508), (147, 5601), (172, 5691), (178, 5718), (181, 5730), (209, 5862), (211, 5874), (218, 5913), (241, 6060), (271, 6219), (299, 6384),

Gene: Fluke_8 Start: 7510, Stop: 8763, Start Num: 37
Candidate Starts for Fluke_8:
(Start: 37 @7510 has 179 MA's), (145, 7897), (148, 7906), (196, 8113), (207, 8167), (208, 8170), (210, 8188), (221, 8248), (235, 8338), (249, 8407), (250, 8410), (266, 8512), (273, 8560),

Gene: FlyingTortilla_34 Start: 28161, Stop: 29570, Start Num: 9
Candidate Starts for FlyingTortilla_34:
(Start: 9 @28161 has 14 MA's), (17, 28179), (Start: 26 @28200 has 1 MA's), (55, 28308), (58, 28317), (64, 28344), (67, 28368), (78, 28422), (89, 28467), (97, 28494), (102, 28512), (112, 28548), (120, 28581), (122, 28590), (149, 28683), (154, 28710), (210, 29007), (243, 29199), (257, 29292), (260, 29307), (273, 29364),

Gene: Franklin22_5 Start: 5054, Stop: 6241, Start Num: 37
Candidate Starts for Franklin22_5:
(Start: 37 @5054 has 179 MA's), (50, 5105), (52, 5114), (74, 5231), (77, 5249), (85, 5270), (104, 5321), (160, 5447), (172, 5504), (178, 5531), (180, 5540), (217, 5723), (218, 5726), (229, 5795), (254, 5939), (271, 6032), (283, 6110), (303, 6224),

Gene: Frizzle_4 Start: 3898, Stop: 5187, Start Num: 35
Candidate Starts for Frizzle_4:
(Start: 35 @3898 has 5 MA's), (139, 4267), (212, 4609), (218, 4639), (239, 4759), (249, 4816), (273, 4972), (287, 5065), (290, 5089), (293, 5101), (302, 5146),

Gene: FruityLoops_33 Start: 28164, Stop: 29573, Start Num: 9
Candidate Starts for FruityLoops_33:
(Start: 9 @28164 has 14 MA's), (17, 28182), (Start: 26 @28203 has 1 MA's), (55, 28311), (58, 28320), (64, 28347), (67, 28371), (78, 28425), (89, 28470), (97, 28497), (102, 28515), (112, 28551), (120, 28584), (122, 28593), (149, 28686), (154, 28713), (210, 29010), (243, 29202), (257, 29295), (260, 29310), (273, 29367),

Gene: Fulbright_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Fulbright_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170,

4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: GMA6_20 Start: 17179, Stop: 18546, Start Num: 9
Candidate Starts for GMA6_20:
(Start: 9 @17179 has 14 MA's), (55, 17335), (64, 17371), (89, 17488), (97, 17515), (112, 17569), (119, 17587), (120, 17602), (122, 17611), (124, 17617), (138, 17659), (243, 18187), (257, 18280), (258, 18286), (267, 18319), (288, 18457),

Gene: Gack_5 Start: 5108, Stop: 6304, Start Num: 37
Candidate Starts for Gack_5:
(Start: 37 @5108 has 179 MA's), (74, 5285), (104, 5384), (160, 5510), (172, 5567), (178, 5594), (181, 5606), (211, 5750), (254, 6002), (271, 6095), (299, 6260), (303, 6287),

Gene: Galaxy_7 Start: 5497, Stop: 6804, Start Num: 29
Candidate Starts for Galaxy_7:
(6, 5389), (Start: 29 @5497 has 104 MA's), (64, 5629), (95, 5773), (112, 5833), (121, 5860), (143, 5941), (152, 5977), (169, 6043), (171, 6055), (177, 6088), (205, 6226), (247, 6463), (249, 6478), (262, 6565), (285, 6688), (289, 6724), (292, 6733), (295, 6751),

Gene: Gex_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Gex_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Ghobes_4 Start: 3898, Stop: 5187, Start Num: 35
Candidate Starts for Ghobes_4:
(Start: 35 @3898 has 5 MA's), (139, 4267), (212, 4609), (218, 4639), (239, 4759), (249, 4816), (273, 4972), (287, 5065), (290, 5089), (293, 5101), (302, 5146),

Gene: Gibbzilla_6 Start: 4885, Stop: 6120, Start Num: 44
Candidate Starts for Gibbzilla_6:
(Start: 44 @4885 has 1 MA's), (51, 4915), (86, 5080), (108, 5167), (177, 5383), (189, 5419), (202, 5479), (204, 5497), (207, 5518), (213, 5563), (214, 5566), (216, 5575), (232, 5668), (237, 5704), (248, 5767), (249, 5770), (285, 6001), (287, 6016), (288, 6028),

Gene: Gilgamesh_53 Start: 49313, Stop: 50602, Start Num: 38
Candidate Starts for Gilgamesh_53:
(Start: 38 @49313 has 1 MA's), (138, 49721), (198, 49976), (200, 49979), (213, 50072), (214, 50075), (216, 50084), (238, 50204), (252, 50279), (255, 50291), (260, 50339), (267, 50363), (273, 50396),

Gene: Gisselle_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Gisselle_5:
(Start: 37 @4822 has 179 MA's), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (235, 5644), (249, 5713), (250, 5716), (264, 5812), (266, 5818), (273, 5866),

Gene: Glenn_8 Start: 7520, Stop: 8773, Start Num: 37
Candidate Starts for Glenn_8:
(Start: 37 @7520 has 179 MA's), (145, 7907), (148, 7916), (196, 8123), (207, 8177), (208, 8180), (210, 8198), (221, 8258), (235, 8348), (249, 8417), (250, 8420), (266, 8522), (273, 8570),

Gene: Glotell_6 Start: 5115, Stop: 6428, Start Num: 29
Candidate Starts for Glotell_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Goib_11 Start: 7193, Stop: 8500, Start Num: 14
Candidate Starts for Goib_11:
(Start: 14 @7193 has 4 MA's), (Start: 23 @7211 has 2 MA's), (Start: 37 @7244 has 179 MA's), (40, 7250), (75, 7424), (82, 7445), (85, 7451), (104, 7514), (117, 7559), (172, 7730), (188, 7787), (209, 7904), (211, 7916), (213, 7937), (218, 7955), (230, 8030), (248, 8132), (250, 8138), (261, 8213), (265, 8237), (270, 8273), (276, 8306), (282, 8336), (283, 8354), (286, 8372), (290, 8405), (293, 8417),

Gene: GramZayde_7 Start: 5522, Stop: 6835, Start Num: 29
Candidate Starts for GramZayde_7:
(Start: 20 @5501 has 5 MA's), (Start: 29 @5522 has 104 MA's), (64, 5654), (95, 5798), (104, 5831), (112, 5858), (152, 5999), (169, 6065), (170, 6074), (177, 6110), (205, 6254), (246, 6488), (248, 6503), (249, 6506), (262, 6593), (268, 6617), (277, 6662), (284, 6710), (285, 6716), (290, 6755), (292, 6761), (295, 6779),

Gene: Gravel_8 Start: 5711, Stop: 7015, Start Num: 28
Candidate Starts for Gravel_8:
(Start: 28 @5711 has 8 MA's), (64, 5843), (112, 6047), (120, 6068), (143, 6149), (152, 6185), (169, 6251), (171, 6263), (190, 6356), (205, 6434), (247, 6671), (262, 6773), (268, 6797), (273, 6821), (285, 6896), (289, 6932), (295, 6959),

Gene: Gray_35 Start: 25287, Stop: 26714, Start Num: 9
Candidate Starts for Gray_35:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: Graynor_8 Start: 7501, Stop: 8751, Start Num: 37
Candidate Starts for Graynor_8:
(Start: 37 @7501 has 179 MA's), (74, 7678), (113, 7810), (148, 7894), (152, 7909), (207, 8155), (208, 8158), (210, 8176), (235, 8326), (250, 8398), (257, 8455), (266, 8500), (277, 8569), (278, 8578), (302, 8722),

Gene: GreenHearts_8 Start: 7534, Stop: 8784, Start Num: 37
Candidate Starts for GreenHearts_8:
(Start: 37 @7534 has 179 MA's), (127, 7864), (207, 8188), (208, 8191), (235, 8359), (248, 8425), (250, 8431), (257, 8488), (266, 8533), (270, 8566), (277, 8602), (297, 8728), (301, 8752),

Gene: Greenhouse_8 Start: 7503, Stop: 8753, Start Num: 37
Candidate Starts for Greenhouse_8:
(Start: 37 @7503 has 179 MA's), (207, 8157), (208, 8160), (235, 8328), (248, 8394), (250, 8400), (257, 8457), (266, 8502), (270, 8535), (277, 8571), (282, 8598), (297, 8697), (301, 8721),

Gene: Grist_6 Start: 5215, Stop: 6396, Start Num: 37
Candidate Starts for Grist_6:

(Start: 37 @5215 has 179 MA's), (52, 5275), (74, 5392), (104, 5476), (107, 5497), (147, 5569), (172, 5659), (178, 5686), (208, 5821), (241, 6028), (271, 6187), (302, 6373),

Gene: Gsput1_8 Start: 5827, Stop: 7071, Start Num: 37
Candidate Starts for Gsput1_8:
(8, 5728), (Start: 23 @5794 has 2 MA's), (Start: 37 @5827 has 179 MA's), (50, 5878), (66, 5956), (73, 5995), (75, 6007), (104, 6094), (117, 6139), (175, 6325), (188, 6367), (193, 6397), (209, 6484), (211, 6496), (213, 6517), (218, 6535), (221, 6553), (225, 6586), (230, 6610), (239, 6658), (241, 6676), (248, 6712), (250, 6718), (261, 6793), (270, 6853), (276, 6886), (282, 6916), (283, 6934), (286, 6952), (288, 6973), (290, 6985), (299, 7021), (302, 7042),

Gene: Gudmit_7 Start: 5118, Stop: 6437, Start Num: 29
Candidate Starts for Gudmit_7:
(Start: 29 @5118 has 104 MA's), (Start: 35 @5130 has 5 MA's), (64, 5253), (76, 5325), (110, 5454), (112, 5457), (121, 5493), (127, 5511), (135, 5532), (177, 5721), (196, 5829), (202, 5844), (205, 5865), (216, 5940), (245, 6090), (248, 6114), (250, 6120), (281, 6288), (285, 6321), (302, 6417),

Gene: Gustav_5 Start: 4544, Stop: 5788, Start Num: 33
Candidate Starts for Gustav_5:
(Start: 33 @4544 has 7 MA's), (50, 4595), (178, 5054), (181, 5066), (189, 5087), (199, 5141), (206, 5177), (218, 5252), (230, 5327), (239, 5375), (240, 5387), (242, 5396), (270, 5570), (282, 5633), (284, 5657), (290, 5702), (295, 5726), (299, 5738),

Gene: HamCheese_6 Start: 5115, Stop: 6428, Start Num: 29
Candidate Starts for HamCheese_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Hanako_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Hanako_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Hanem_35 Start: 25287, Stop: 26714, Start Num: 9
Candidate Starts for Hanem_35:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: HannahPhantana_8 Start: 5664, Stop: 6998, Start Num: 20
Candidate Starts for HannahPhantana_8:
(Start: 20 @5664 has 5 MA's), (Start: 29 @5685 has 104 MA's), (64, 5817), (95, 5961), (104, 5994), (112, 6021), (152, 6162), (169, 6228), (170, 6237), (177, 6273), (205, 6417), (246, 6651), (248, 6666), (249, 6669), (262, 6756), (268, 6780), (277, 6825), (284, 6873), (285, 6879), (292, 6924), (295, 6942),

Gene: HeadNerd_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for HeadNerd_5:

(Start: 37 @4822 has 179 MA's), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (235, 5644), (249, 5713), (250, 5716), (255, 5740), (266, 5818), (273, 5866), (277, 5887),

Gene: Heinz_6 Start: 4491, Stop: 5804, Start Num: 29
Candidate Starts for Heinz_6:
(Start: 29 @4491 has 104 MA's), (43, 4530), (55, 4593), (64, 4629), (101, 4794), (152, 4974), (163, 5016), (171, 5052), (177, 5085), (205, 5229), (210, 5268), (227, 5370), (238, 5418), (250, 5484), (253, 5499), (262, 5562), (299, 5760),

Gene: Herb_5 Start: 4834, Stop: 6081, Start Num: 37
Candidate Starts for Herb_5:
(Start: 37 @4834 has 179 MA's), (65, 4960), (107, 5128), (145, 5215), (207, 5485), (208, 5488), (221, 5566), (235, 5656), (250, 5728), (257, 5785), (270, 5863), (277, 5899),

Gene: Hereford_8 Start: 6095, Stop: 7399, Start Num: 29
Candidate Starts for Hereford_8:
(Start: 29 @6095 has 104 MA's), (39, 6110), (64, 6224), (152, 6569), (289, 7316),

Gene: Hibiscus_6 Start: 4495, Stop: 5808, Start Num: 29
Candidate Starts for Hibiscus_6:
(4, 4204), (5, 4378), (Start: 29 @4495 has 104 MA's), (43, 4534), (55, 4597), (64, 4633), (101, 4798), (152, 4978), (163, 5020), (171, 5056), (205, 5233), (210, 5272), (227, 5374), (238, 5422), (253, 5503), (262, 5566), (284, 5683), (299, 5764),

Gene: Huckleberry_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Huckleberry_5:
(Start: 37 @4822 has 179 MA's), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (235, 5644), (249, 5713), (250, 5716), (255, 5740), (266, 5818), (273, 5866), (277, 5887),

Gene: Huffy_12 Start: 7418, Stop: 8725, Start Num: 14
Candidate Starts for Huffy_12:
(Start: 14 @7418 has 4 MA's), (Start: 23 @7436 has 2 MA's), (Start: 37 @7469 has 179 MA's), (40, 7475), (75, 7649), (82, 7670), (85, 7676), (104, 7739), (117, 7784), (166, 7928), (172, 7955), (188, 8012), (209, 8129), (211, 8141), (213, 8162), (230, 8255), (248, 8357), (250, 8363), (261, 8438), (270, 8498), (276, 8531), (282, 8561), (283, 8579), (286, 8597), (290, 8630), (293, 8642),

Gene: HunterDalle_5 Start: 4834, Stop: 6081, Start Num: 36
Candidate Starts for HunterDalle_5:
(Start: 36 @4834 has 8 MA's), (65, 4960), (148, 5224), (207, 5485), (208, 5488), (235, 5656), (242, 5689), (249, 5725), (250, 5728), (257, 5785),

Gene: Huntingdon_8 Start: 7482, Stop: 8732, Start Num: 37
Candidate Starts for Huntingdon_8:
(Start: 37 @7482 has 179 MA's), (164, 7938), (207, 8136), (208, 8139), (235, 8307), (248, 8373), (250, 8379), (257, 8436), (265, 8478), (266, 8481), (270, 8514), (277, 8550), (297, 8676), (301, 8700),

Gene: Icarian_7 Start: 5389, Stop: 6576, Start Num: 37
Candidate Starts for Icarian_7:
(Start: 37 @5389 has 179 MA's), (52, 5449), (61, 5494), (74, 5566), (147, 5749), (172, 5839), (178, 5866), (185, 5887), (208, 6001), (217, 6058), (218, 6061), (241, 6208), (271, 6367), (299, 6532), (302, 6553),

Gene: Immaculata_8 Start: 7514, Stop: 8767, Start Num: 37

Candidate Starts for Immaculata_8:
(Start: 37 @7514 has 179 MA's), (145, 7901), (148, 7910), (196, 8117), (207, 8171), (208, 8174), (210, 8192), (221, 8252), (235, 8342), (249, 8411), (250, 8414), (266, 8516), (273, 8564),

Gene: Impisi_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Impisi_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: IndyLu_6 Start: 5215, Stop: 6396, Start Num: 37
Candidate Starts for IndyLu_6:
(Start: 37 @5215 has 179 MA's), (52, 5275), (74, 5392), (104, 5476), (107, 5497), (147, 5569), (172, 5659), (178, 5686), (208, 5821), (241, 6028), (271, 6187), (302, 6373),

Gene: Jabb_6 Start: 5127, Stop: 6308, Start Num: 37
Candidate Starts for Jabb_6:
(Start: 37 @5127 has 179 MA's), (52, 5187), (74, 5304), (104, 5388), (147, 5481), (172, 5571), (178, 5598), (181, 5610), (208, 5733), (217, 5790), (241, 5940), (268, 6087), (271, 6099), (302, 6285),

Gene: Jamie19_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Jamie19_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Jamun_7 Start: 5765, Stop: 7069, Start Num: 29
Candidate Starts for Jamun_7:
(6, 5660), (13, 5726), (21, 5744), (Start: 29 @5765 has 104 MA's), (64, 5897), (112, 6101), (121, 6125), (143, 6206), (152, 6242), (169, 6308), (171, 6320), (177, 6353), (205, 6491), (222, 6593), (245, 6716), (246, 6725), (262, 6830), (273, 6878), (284, 6947), (285, 6953), (289, 6989), (295, 7016),

Gene: JanetJ_7 Start: 5692, Stop: 6999, Start Num: 29
Candidate Starts for JanetJ_7:
(Start: 29 @5692 has 104 MA's), (39, 5710), (64, 5824), (152, 6169), (190, 6340), (268, 6781), (289, 6916),

Gene: JeanClaude_6 Start: 4815, Stop: 6131, Start Num: 29
Candidate Starts for JeanClaude_6:
(Start: 20 @4794 has 5 MA's), (Start: 29 @4815 has 104 MA's), (39, 4830), (64, 4944), (96, 5097), (104, 5121), (112, 5148), (152, 5295), (163, 5337), (171, 5373), (187, 5463), (245, 5775), (253, 5820), (268, 5913), (276, 5955), (277, 5958), (290, 6051),

Gene: Jerole_8 Start: 5682, Stop: 6995, Start Num: 29
Candidate Starts for Jerole_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (292, 6921), (295, 6939),

Gene: Joann_8 Start: 7474, Stop: 8724, Start Num: 37
Candidate Starts for Joann_8:
(Start: 37 @7474 has 179 MA's), (127, 7804), (207, 8128), (208, 8131), (235, 8299), (248, 8365), (250, 8371), (257, 8428), (266, 8473), (270, 8506), (277, 8542), (297, 8668),

Gene: Johnathan_6 Start: 5142, Stop: 6323, Start Num: 37
Candidate Starts for Johnathan_6:
(24, 5112), (Start: 37 @5142 has 179 MA's), (52, 5202), (74, 5319), (104, 5403), (147, 5496), (172, 5586), (178, 5613), (208, 5748), (217, 5805), (241, 5955), (268, 6102), (271, 6114), (302, 6300),

Gene: Jojo24_6 Start: 4490, Stop: 5803, Start Num: 29
Candidate Starts for Jojo24_6:
(1, 3665), (4, 4199), (5, 4373), (Start: 29 @4490 has 104 MA's), (43, 4529), (55, 4592), (64, 4628), (101, 4793), (152, 4973), (163, 5015), (171, 5051), (205, 5228), (210, 5267), (227, 5369), (238, 5417), (253, 5498), (262, 5561), (284, 5678), (299, 5759),

Gene: Journey_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Journey_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Jovita_6 Start: 5253, Stop: 6434, Start Num: 37
Candidate Starts for Jovita_6:
(Start: 37 @5253 has 179 MA's), (52, 5313), (74, 5430), (104, 5514), (147, 5607), (172, 5697), (178, 5724), (208, 5859), (217, 5916), (241, 6066), (268, 6213), (271, 6225), (302, 6411),

Gene: Jumboset_8 Start: 7463, Stop: 8716, Start Num: 37
Candidate Starts for Jumboset_8:
(Start: 37 @7463 has 179 MA's), (145, 7850), (148, 7859), (196, 8066), (207, 8120), (208, 8123), (210, 8141), (221, 8201), (235, 8291), (249, 8360), (250, 8363), (266, 8465), (273, 8513),

Gene: Juno112_6 Start: 5116, Stop: 6429, Start Num: 29
Candidate Starts for Juno112_6:
(Start: 10 @5068 has 1 MA's), (Start: 16 @5086 has 1 MA's), (19, 5095), (Start: 29 @5116 has 104 MA's), (64, 5248), (104, 5425), (112, 5452), (121, 5476), (152, 5593), (169, 5659), (170, 5668), (184, 5743), (205, 5848), (247, 6085), (248, 6097), (251, 6112), (262, 6187), (268, 6211), (269, 6217), (277, 6256), (284, 6304), (285, 6310), (295, 6373), (302, 6406),

Gene: KHumphrey_6 Start: 5115, Stop: 6428, Start Num: 29
Candidate Starts for KHumphrey_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Kabocha_36 Start: 26100, Stop: 27527, Start Num: 9
Candidate Starts for Kabocha_36:
(Start: 9 @26100 has 14 MA's), (53, 26244), (55, 26256), (64, 26292), (78, 26370), (82, 26388), (97, 26439), (102, 26457), (112, 26493), (120, 26526), (122, 26535), (129, 26556), (154, 26655), (177, 26760), (191, 26838), (207, 26931), (243, 27144), (257, 27237), (258, 27243), (260, 27252), (273, 27309), (302, 27483),

Gene: Kalizoi_8 Start: 7463, Stop: 8716, Start Num: 37
Candidate Starts for Kalizoi_8:
(Start: 37 @7463 has 179 MA's), (145, 7850), (148, 7859), (196, 8066), (207, 8120), (208, 8123), (210, 8141), (221, 8201), (235, 8291), (249, 8360), (250, 8363), (266, 8465), (273, 8513),

Gene: Kamdara_6 Start: 5394, Stop: 6587, Start Num: 37
Candidate Starts for Kamdara_6:
(Start: 37 @5394 has 179 MA's), (52, 5454), (172, 5850), (178, 5877), (193, 5937), (208, 6012), (209, 6021), (217, 6069), (218, 6072), (241, 6219), (271, 6378), (299, 6543), (302, 6564),

Gene: Kate33_6 Start: 5215, Stop: 6396, Start Num: 37
Candidate Starts for Kate33_6:
(Start: 37 @5215 has 179 MA's), (52, 5275), (74, 5392), (104, 5476), (107, 5497), (147, 5569), (172, 5659), (178, 5686), (208, 5821), (241, 6028), (271, 6187), (302, 6373),

Gene: Katzastrophic_6 Start: 5305, Stop: 6501, Start Num: 37
Candidate Starts for Katzastrophic_6:
(Start: 37 @5305 has 179 MA's), (74, 5482), (104, 5575), (110, 5602), (147, 5668), (172, 5758), (178, 5785), (209, 5929), (211, 5941), (218, 5980), (241, 6127), (271, 6286), (299, 6451),

Gene: KendraB23_8 Start: 5711, Stop: 7015, Start Num: 28
Candidate Starts for KendraB23_8:
(Start: 28 @5711 has 8 MA's), (64, 5843), (112, 6047), (120, 6068), (143, 6149), (152, 6185), (169, 6251), (171, 6263), (190, 6356), (205, 6434), (247, 6671), (262, 6773), (268, 6797), (273, 6821), (284, 6890), (285, 6896), (289, 6932), (295, 6959),

Gene: Kenzers_6 Start: 5130, Stop: 6311, Start Num: 37
Candidate Starts for Kenzers_6:
(24, 5100), (Start: 37 @5130 has 179 MA's), (52, 5190), (74, 5307), (104, 5391), (147, 5484), (172, 5574), (178, 5601), (181, 5613), (208, 5736), (217, 5793), (241, 5943), (268, 6090), (271, 6102), (302, 6288),

Gene: Kepler_7 Start: 5520, Stop: 6833, Start Num: 29
Candidate Starts for Kepler_7:
(Start: 20 @5499 has 5 MA's), (Start: 29 @5520 has 104 MA's), (64, 5652), (95, 5796), (104, 5829), (112, 5856), (152, 5997), (169, 6063), (170, 6072), (177, 6108), (205, 6252), (246, 6486), (248, 6501), (249, 6504), (262, 6591), (268, 6615), (277, 6660), (284, 6708), (285, 6714), (290, 6753), (292, 6759), (295, 6777),

Gene: Kevin1_6 Start: 4369, Stop: 5661, Start Num: 29
Candidate Starts for Kevin1_6:
(Start: 29 @4369 has 104 MA's), (Start: 35 @4381 has 5 MA's), (55, 4465), (64, 4501), (73, 4558), (85, 4597), (96, 4630), (103, 4651), (110, 4678), (112, 4681), (145, 4792), (152, 4822), (158, 4840), (162, 4858), (169, 4888), (170, 4897), (177, 4933), (181, 4957), (187, 4996), (197, 5050), (205, 5083), (209, 5113), (245, 5308), (246, 5317), (249, 5335), (268, 5440), (269, 5446), (284, 5533), (285, 5539), (305, 5647),

Gene: Khuang_5 Start: 4284, Stop: 5510, Start Num: 34
Candidate Starts for Khuang_5:
(Start: 34 @4284 has 2 MA's), (42, 4302), (64, 4404), (71, 4446), (79, 4482), (104, 4545), (160, 4689), (178, 4770), (207, 4908), (249, 5148), (251, 5160), (284, 5373), (289, 5415), (290, 5418),

Gene: Kieran_6 Start: 5395, Stop: 6588, Start Num: 37
Candidate Starts for Kieran_6:
(Start: 37 @5395 has 179 MA's), (52, 5455), (172, 5851), (178, 5878), (193, 5938), (208, 6013), (209, 6022), (217, 6070), (218, 6073), (241, 6220), (271, 6379), (299, 6544), (302, 6565),

Gene: KingBob_5 Start: 4834, Stop: 6081, Start Num: 37
Candidate Starts for KingBob_5:
(Start: 37 @4834 has 179 MA's), (65, 4960), (107, 5128), (145, 5215), (207, 5485), (208, 5488), (221, 5566), (235, 5656), (250, 5728), (257, 5785), (270, 5863), (277, 5899),

Gene: Kittykat_5 Start: 4819, Stop: 6066, Start Num: 37
Candidate Starts for Kittykat_5:
(Start: 37 @4819 has 179 MA's), (196, 5416), (207, 5470), (208, 5473), (210, 5491), (235, 5641), (249, 5710), (250, 5713), (264, 5809), (266, 5815), (273, 5863),

Gene: Korra_8 Start: 7469, Stop: 8722, Start Num: 37
Candidate Starts for Korra_8:
(Start: 37 @7469 has 179 MA's), (145, 7856), (148, 7865), (196, 8072), (207, 8126), (208, 8129), (210, 8147), (221, 8207), (235, 8297), (249, 8366), (250, 8369), (266, 8471), (273, 8519),

Gene: Kuleana_7 Start: 5487, Stop: 6806, Start Num: 29
Candidate Starts for Kuleana_7:
(Start: 29 @5487 has 104 MA's), (64, 5625), (91, 5757), (95, 5769), (112, 5829), (121, 5853), (143, 5934), (152, 5970), (169, 6036), (170, 6045), (177, 6081), (205, 6225), (246, 6459), (251, 6489), (262, 6564), (268, 6588), (269, 6594), (277, 6633), (285, 6687), (290, 6726), (292, 6732), (299, 6762),

Gene: Kumotta_7 Start: 5906, Stop: 7153, Start Num: 37
Candidate Starts for Kumotta_7:
(Start: 37 @5906 has 179 MA's), (42, 5921), (61, 6011), (74, 6083), (178, 6416), (207, 6551), (282, 6992), (284, 7016), (295, 7085), (302, 7118),

Gene: Lahqtemish_6 Start: 5216, Stop: 6403, Start Num: 37
Candidate Starts for Lahqtemish_6:
(24, 5186), (Start: 37 @5216 has 179 MA's), (52, 5276), (74, 5393), (172, 5666), (178, 5693), (208, 5828), (241, 6035), (268, 6182), (271, 6194), (302, 6380),

Gene: Lakshmi_8 Start: 7510, Stop: 8760, Start Num: 37
Candidate Starts for Lakshmi_8:
(Start: 37 @7510 has 179 MA's), (207, 8164), (208, 8167), (235, 8335), (248, 8401), (250, 8407), (257, 8464), (266, 8509), (270, 8542), (277, 8578), (297, 8704), (301, 8728),

Gene: Laphuphu24k_6 Start: 5085, Stop: 6428, Start Num: 16
Candidate Starts for Laphuphu24k_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Lasagna_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Lasagna_5:
(Start: 37 @4822 has 179 MA's), (77, 5017), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (266, 5818), (273, 5866),

Gene: Lennox_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Lennox_5:
(Start: 37 @4822 has 179 MA's), (113, 5128), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (255, 5740), (266, 5818), (273, 5866),

Gene: Lenoshki_35 Start: 26967, Stop: 28394, Start Num: 9
Candidate Starts for Lenoshki_35:
(Start: 9 @26967 has 14 MA's), (53, 27111), (55, 27123), (64, 27159), (78, 27237), (82, 27255), (97, 27306), (102, 27324), (112, 27360), (120, 27393), (122, 27402), (129, 27423), (154, 27522), (177, 27627), (191, 27705), (207, 27798), (243, 28011), (257, 28104), (258, 28110), (260, 28119), (273, 28176), (302, 28350),

Gene: Leona_6 Start: 5131, Stop: 6471, Start Num: 15
Candidate Starts for Leona_6:
(Start: 15 @5131 has 1 MA's), (Start: 20 @5143 has 5 MA's), (Start: 29 @5164 has 104 MA's), (64, 5296), (104, 5473), (112, 5500), (121, 5524), (143, 5605), (152, 5641), (169, 5707), (170, 5716), (177, 5752), (205, 5890), (247, 6127), (248, 6139), (262, 6229), (268, 6253), (269, 6259), (285, 6352), (295, 6415), (302, 6448),

Gene: LilStuart_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for LilStuart_5:
(Start: 37 @4822 has 179 MA's), (77, 5017), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (266, 5818), (273, 5866),

Gene: Lilo27_6 Start: 5134, Stop: 6315, Start Num: 37
Candidate Starts for Lilo27_6:
(Start: 37 @5134 has 179 MA's), (52, 5194), (74, 5311), (104, 5395), (147, 5488), (172, 5578), (178, 5605), (181, 5617), (208, 5740), (217, 5797), (241, 5947), (268, 6094), (271, 6106), (290, 6235), (299, 6271), (302, 6292),

Gene: LimaBean_6 Start: 5142, Stop: 6323, Start Num: 37
Candidate Starts for LimaBean_6:
(24, 5112), (Start: 37 @5142 has 179 MA's), (52, 5202), (74, 5319), (104, 5403), (147, 5496), (172, 5586), (178, 5613), (208, 5748), (217, 5805), (241, 5955), (268, 6102), (271, 6114), (302, 6300),

Gene: Litotes_8 Start: 7465, Stop: 8715, Start Num: 37
Candidate Starts for Litotes_8:
(Start: 37 @7465 has 179 MA's), (74, 7642), (113, 7774), (148, 7858), (152, 7873), (207, 8119), (208, 8122), (210, 8140), (235, 8290), (250, 8362), (257, 8419), (266, 8464), (277, 8533), (278, 8542), (302, 8686), (306, 8707),

Gene: LittleTokyo_7 Start: 5442, Stop: 6755, Start Num: 29
Candidate Starts for LittleTokyo_7:
(18, 5418), (Start: 29 @5442 has 104 MA's), (64, 5574), (95, 5718), (112, 5778), (121, 5802), (143, 5883), (152, 5919), (177, 6030), (205, 6174), (247, 6411), (248, 6423), (268, 6537), (284, 6630), (285, 6636), (289, 6672), (302, 6732), (303, 6738),

Gene: Loviatar_6 Start: 5403, Stop: 6587, Start Num: 37
Candidate Starts for Loviatar_6:
(Start: 37 @5403 has 179 MA's), (52, 5463), (61, 5508), (74, 5580), (147, 5760), (172, 5850), (178, 5877), (208, 6012), (217, 6069), (218, 6072), (241, 6219), (271, 6378), (299, 6543), (302, 6564),

Gene: Lton_6 Start: 4345, Stop: 5667, Start Num: 27
Candidate Starts for Lton_6:
(Start: 27 @4345 has 5 MA's), (31, 4354), (55, 4438), (76, 4546), (96, 4627), (110, 4675), (112, 4678), (127, 4738), (135, 4759), (152, 4837), (163, 4879), (176, 4945), (177, 4948), (201, 5068), (205, 5092), (209, 5122), (228, 5239), (246, 5326), (249, 5344), (268, 5449), (269, 5455), (285, 5548), (290, 5587), (295, 5611),

Gene: Lucy_5 Start: 4813, Stop: 6060, Start Num: 37
Candidate Starts for Lucy_5:
(Start: 37 @4813 has 179 MA's), (148, 5203), (153, 5221), (196, 5410), (207, 5464), (208, 5467), (210, 5485), (221, 5545), (235, 5635), (249, 5704), (250, 5707), (255, 5731), (266, 5809), (273, 5857),

Gene: Lunar_8 Start: 5682, Stop: 6995, Start Num: 29
Candidate Starts for Lunar_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (290, 6915), (292, 6921), (295, 6939),

Gene: Lynlen_6 Start: 5130, Stop: 6311, Start Num: 37
Candidate Starts for Lynlen_6:
(24, 5100), (Start: 37 @5130 has 179 MA's), (52, 5190), (74, 5307), (104, 5391), (147, 5484), (172, 5574), (178, 5601), (181, 5613), (208, 5736), (217, 5793), (241, 5943), (268, 6090), (271, 6102), (302, 6288),

Gene: Magsby_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Magsby_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Mahdia_5 Start: 4537, Stop: 5790, Start Num: 33
Candidate Starts for Mahdia_5:
(7, 4423), (Start: 33 @4537 has 7 MA's), (50, 4591), (55, 4621), (64, 4657), (106, 4837), (115, 4864), (169, 5008), (178, 5050), (181, 5062), (189, 5083), (197, 5134), (199, 5137), (206, 5173), (218, 5248), (234, 5350), (239, 5371), (240, 5383), (256, 5461), (266, 5533), (270, 5566), (284, 5653), (290, 5698),

Gene: Maja_6 Start: 5234, Stop: 6544, Start Num: 25
Candidate Starts for Maja_6:
(Start: 25 @5234 has 1 MA's), (Start: 29 @5240 has 104 MA's), (39, 5255), (64, 5369), (96, 5522), (104, 5546), (112, 5573), (121, 5597), (135, 5636), (137, 5651), (152, 5714), (163, 5756), (170, 5789), (171, 5792), (187, 5882), (205, 5969), (210, 6008), (245, 6194), (251, 6233), (253, 6239), (290, 6464),

Gene: Makoto_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Makoto_5:
(Start: 37 @4822 has 179 MA's), (77, 5017), (113, 5128), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (250, 5716), (255, 5740), (266, 5818), (273, 5866),

Gene: MamaPearl_5 Start: 4813, Stop: 6063, Start Num: 37
Candidate Starts for MamaPearl_5:

(Start: 37 @4813 has 179 MA's), (196, 5413), (207, 5467), (208, 5470), (210, 5488), (235, 5638), (249, 5707), (250, 5710), (255, 5734), (266, 5812), (273, 5860),

Gene: MargaretKali_7 Start: 5320, Stop: 6636, Start Num: 29
Candidate Starts for MargaretKali_7:
(Start: 29 @5320 has 104 MA's), (39, 5335), (64, 5449), (112, 5653), (152, 5800), (163, 5842), (170, 5875), (177, 5911), (187, 5968), (188, 5971), (205, 6055), (250, 6310), (251, 6319), (255, 6334), (262, 6394), (277, 6463), (284, 6511), (290, 6556), (302, 6613),

Gene: Maria1952_5 Start: 4834, Stop: 6081, Start Num: 37
Candidate Starts for Maria1952_5:
(Start: 37 @4834 has 179 MA's), (65, 4960), (107, 5128), (145, 5215), (207, 5485), (208, 5488), (221, 5566), (235, 5656), (250, 5728), (257, 5785), (270, 5863), (277, 5899),

Gene: MeganNoll_8 Start: 7520, Stop: 8773, Start Num: 37
Candidate Starts for MeganNoll_8:
(Start: 37 @7520 has 179 MA's), (145, 7907), (148, 7916), (196, 8123), (207, 8177), (208, 8180), (210, 8198), (221, 8258), (235, 8348), (249, 8417), (250, 8420), (266, 8522), (273, 8570),

Gene: Melons_8 Start: 5661, Stop: 6995, Start Num: 20
Candidate Starts for Melons_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (290, 6915), (292, 6921), (295, 6939),

Gene: Melville_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Melville_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: MichelleMyBell_6 Start: 4383, Stop: 5675, Start Num: 29
Candidate Starts for MichelleMyBell_6:
(Start: 29 @4383 has 104 MA's), (Start: 35 @4395 has 5 MA's), (55, 4479), (64, 4515), (73, 4572), (85, 4611), (96, 4644), (103, 4665), (110, 4692), (112, 4695), (145, 4806), (152, 4836), (162, 4872), (170, 4911), (177, 4947), (181, 4971), (187, 5010), (197, 5064), (205, 5097), (209, 5127), (245, 5322), (246, 5331), (249, 5349), (268, 5454), (269, 5460), (284, 5547), (285, 5553), (305, 5661),

Gene: Mikronejon_35 Start: 25287, Stop: 26714, Start Num: 9
Candidate Starts for Mikronejon_35:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: Milomuff_7 Start: 5499, Stop: 6680, Start Num: 37
Candidate Starts for Milomuff_7:
(24, 5469), (Start: 37 @5499 has 179 MA's), (52, 5559), (74, 5676), (104, 5760), (147, 5853), (172, 5943), (178, 5970), (208, 6105), (217, 6162), (241, 6312), (268, 6459), (271, 6471), (302, 6657),

Gene: MintFritos_34 Start: 25287, Stop: 26714, Start Num: 9

Candidate Starts for MintFritos_34:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: Misaeng_8 Start: 7547, Stop: 8797, Start Num: 37
Candidate Starts for Misaeng_8:
(Start: 37 @7547 has 179 MA's), (207, 8201), (208, 8204), (235, 8372), (248, 8438), (250, 8444), (257, 8501), (265, 8543), (266, 8546), (270, 8579), (277, 8615), (297, 8741), (301, 8765),

Gene: Moki_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Moki_5:
(Start: 37 @4822 has 179 MA's), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (235, 5644), (249, 5713), (250, 5716), (255, 5740), (266, 5818), (273, 5866), (277, 5887),

Gene: Moosehead_6 Start: 4338, Stop: 5645, Start Num: 27
Candidate Starts for Moosehead_6:
(Start: 27 @4338 has 5 MA's), (55, 4434), (64, 4470), (76, 4542), (96, 4623), (112, 4674), (127, 4716), (132, 4731), (152, 4815), (162, 4851), (163, 4857), (176, 4923), (177, 4926), (205, 5070), (228, 5217), (246, 5304), (254, 5346), (269, 5433), (285, 5526), (289, 5562),

Gene: Morrey_10 Start: 6045, Stop: 7220, Start Num: 64
Candidate Starts for Morrey_10:
(Start: 29 @5916 has 104 MA's), (39, 5931), (64, 6045), (152, 6390), (289, 7137),

Gene: Morrissey_5 Start: 4548, Stop: 5792, Start Num: 33
Candidate Starts for Morrissey_5:
(Start: 33 @4548 has 7 MA's), (45, 4575), (50, 4599), (106, 4845), (178, 5058), (181, 5070), (189, 5091), (199, 5145), (213, 5238), (218, 5256), (230, 5331), (239, 5379), (240, 5391), (242, 5400), (270, 5574), (282, 5637), (284, 5661), (290, 5706), (295, 5730), (297, 5736), (299, 5742),

Gene: MrBoss_8 Start: 7465, Stop: 8715, Start Num: 37
Candidate Starts for MrBoss_8:
(Start: 37 @7465 has 179 MA's), (74, 7642), (113, 7774), (148, 7858), (152, 7873), (207, 8119), (208, 8122), (210, 8140), (235, 8290), (250, 8362), (255, 8386), (257, 8419), (266, 8464), (277, 8533), (278, 8542), (302, 8686),

Gene: MrGloopy_8 Start: 7453, Stop: 8706, Start Num: 37
Candidate Starts for MrGloopy_8:
(Start: 37 @7453 has 179 MA's), (145, 7840), (148, 7849), (196, 8056), (207, 8110), (208, 8113), (210, 8131), (221, 8191), (235, 8281), (249, 8350), (250, 8353), (266, 8455), (273, 8503),

Gene: MsUbiquitous_6 Start: 5127, Stop: 6308, Start Num: 37
Candidate Starts for MsUbiquitous_6:
(Start: 37 @5127 has 179 MA's), (52, 5187), (74, 5304), (104, 5388), (147, 5481), (172, 5571), (178, 5598), (181, 5610), (208, 5733), (217, 5790), (241, 5940), (268, 6087), (271, 6099), (302, 6285),

Gene: Nancia_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Nancia_5:
(Start: 37 @4822 has 179 MA's), (77, 5017), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (266, 5818), (273, 5866),

Gene: Nenae_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Nenae_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Niblet_7 Start: 5493, Stop: 6803, Start Num: 28
Candidate Starts for Niblet_7:
(Start: 28 @5493 has 8 MA's), (64, 5625), (76, 5697), (88, 5739), (112, 5829), (120, 5850), (143, 5931), (152, 5967), (169, 6033), (171, 6045), (205, 6222), (245, 6447), (247, 6459), (262, 6561), (273, 6609), (284, 6678), (285, 6684), (289, 6720), (295, 6747),

Gene: Nicky22_7 Start: 5602, Stop: 6783, Start Num: 37
Candidate Starts for Nicky22_7:
(Start: 37 @5602 has 179 MA's), (52, 5662), (74, 5779), (104, 5863), (147, 5956), (172, 6046), (178, 6073), (181, 6085), (208, 6208), (217, 6265), (241, 6415), (268, 6562), (271, 6574), (302, 6760),

Gene: NoSwimming_8 Start: 6930, Stop: 8174, Start Num: 37
Candidate Starts for NoSwimming_8:
(Start: 37 @6930 has 179 MA's), (61, 7035), (70, 7074), (167, 7407), (182, 7482), (205, 7593), (210, 7632), (230, 7749), (248, 7842), (277, 7995), (289, 8085),

Gene: Nubia_8 Start: 7470, Stop: 8720, Start Num: 37
Candidate Starts for Nubia_8:
(Start: 37 @7470 has 179 MA's), (127, 7800), (207, 8124), (208, 8127), (235, 8295), (248, 8361), (250, 8367), (257, 8424), (266, 8469), (270, 8502), (277, 8538), (297, 8664), (301, 8688),

Gene: OMalley_5 Start: 4834, Stop: 6081, Start Num: 36
Candidate Starts for OMalley_5:
(Start: 36 @4834 has 8 MA's), (65, 4960), (148, 5224), (207, 5485), (208, 5488), (235, 5656), (242, 5689), (249, 5725), (250, 5728), (257, 5785),

Gene: Olliecat_6 Start: 5418, Stop: 6635, Start Num: 37
Candidate Starts for Olliecat_6:
(Start: 37 @5418 has 179 MA's), (74, 5595), (75, 5604), (142, 5781), (156, 5823), (172, 5895), (181, 5934), (189, 5955), (208, 6057), (211, 6078), (263, 6390), (270, 6423),

Gene: OneDirection_6 Start: 4333, Stop: 5640, Start Num: 27
Candidate Starts for OneDirection_6:
(Start: 27 @4333 has 5 MA's), (55, 4429), (64, 4465), (66, 4483), (76, 4537), (96, 4618), (112, 4669), (127, 4711), (132, 4726), (152, 4810), (162, 4846), (176, 4918), (177, 4921), (186, 4975), (187, 4978), (205, 5065), (246, 5299), (249, 5317), (254, 5341), (269, 5428), (285, 5521), (289, 5557),

Gene: OnionKnight_8 Start: 5760, Stop: 7085, Start Num: 26
Candidate Starts for OnionKnight_8:
(Start: 26 @5760 has 1 MA's), (68, 5934), (87, 6027), (101, 6081), (109, 6114), (118, 6135), (157, 6261), (166, 6303), (179, 6363), (195, 6441), (205, 6486), (211, 6528), (223, 6591), (226, 6621), (248, 6741), (250, 6747), (260, 6819), (270, 6864), (273, 6879), (279, 6915), (285, 6957), (288, 6984), (291, 6999), (292, 7002), (302, 7053),

Gene: Oogie_36 Start: 26993, Stop: 28420, Start Num: 9

Candidate Starts for Oogie_36:
(Start: 9 @26993 has 14 MA's), (53, 27137), (55, 27149), (64, 27185), (78, 27263), (82, 27281), (97, 27332), (102, 27350), (112, 27386), (120, 27419), (122, 27428), (129, 27449), (154, 27548), (177, 27653), (191, 27731), (207, 27824), (243, 28037), (257, 28130), (258, 28136), (260, 28145), (273, 28202), (302, 28376),

Gene: Oppalora_6 Start: 5067, Stop: 6428, Start Num: 10
Candidate Starts for Oppalora_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Orcanus_7 Start: 5504, Stop: 6808, Start Num: 28
Candidate Starts for Orcanus_7:
(Start: 28 @5504 has 8 MA's), (64, 5636), (76, 5708), (112, 5840), (120, 5861), (143, 5942), (152, 5978), (169, 6044), (171, 6056), (190, 6149), (205, 6227), (247, 6464), (262, 6566), (268, 6590), (273, 6614), (284, 6683), (285, 6689), (289, 6725), (295, 6752),

Gene: OtsoOtso_7 Start: 5521, Stop: 6834, Start Num: 29
Candidate Starts for OtsoOtso_7:
(Start: 20 @5500 has 5 MA's), (Start: 29 @5521 has 104 MA's), (64, 5653), (95, 5797), (104, 5830), (112, 5857), (152, 5998), (169, 6064), (170, 6073), (177, 6109), (205, 6253), (246, 6487), (248, 6502), (249, 6505), (262, 6592), (268, 6616), (277, 6661), (284, 6709), (285, 6715), (290, 6754), (292, 6760), (295, 6778),

Gene: OurGirlNessie_5 Start: 4813, Stop: 6060, Start Num: 37
Candidate Starts for OurGirlNessie_5:
(Start: 37 @4813 has 179 MA's), (77, 5008), (113, 5119), (148, 5203), (153, 5221), (196, 5410), (207, 5464), (208, 5467), (210, 5485), (221, 5545), (235, 5635), (249, 5704), (250, 5707), (266, 5809), (273, 5857),

Gene: Oxynfrius_8 Start: 7483, Stop: 8733, Start Num: 37
Candidate Starts for Oxynfrius_8:
(Start: 37 @7483 has 179 MA's), (207, 8137), (208, 8140), (235, 8308), (248, 8374), (250, 8380), (257, 8437), (266, 8482), (270, 8515), (277, 8551), (297, 8677), (301, 8701),

Gene: PFR1_05 Start: 4989, Stop: 6275, Start Num: 44
Candidate Starts for PFR1_05:
(Start: 44 @4989 has 1 MA's), (46, 4998), (57, 5049), (66, 5100), (92, 5217), (102, 5250), (125, 5313), (130, 5328), (134, 5337), (136, 5343), (141, 5373), (156, 5430), (193, 5586), (197, 5607), (202, 5619), (203, 5622), (207, 5658), (212, 5691), (213, 5703), (214, 5706), (224, 5769), (231, 5802), (233, 5814), (239, 5850), (240, 5862), (249, 5907), (250, 5910), (267, 6027), (269, 6042), (271, 6048), (277, 6081), (282, 6108), (285, 6138), (289, 6174), (294, 6195),

Gene: PFR2_05 Start: 4989, Stop: 6275, Start Num: 44
Candidate Starts for PFR2_05:
(Start: 44 @4989 has 1 MA's), (46, 4998), (57, 5049), (66, 5100), (92, 5217), (102, 5250), (125, 5313), (130, 5328), (134, 5337), (136, 5343), (141, 5373), (156, 5430), (193, 5586), (197, 5607), (202, 5619), (203, 5622), (207, 5658), (212, 5691), (213, 5703), (214, 5706), (224, 5769), (231, 5802), (233, 5814), (239, 5850), (240, 5862), (249, 5907), (250, 5910), (267, 6027), (269, 6042), (271, 6048), (277, 6081), (282, 6108), (285, 6138), (289, 6174), (294, 6195),

Gene: Pakusa_34 Start: 25029, Stop: 26456, Start Num: 9
Candidate Starts for Pakusa_34:
(Start: 9 @25029 has 14 MA's), (53, 25173), (55, 25185), (64, 25221), (78, 25299), (82, 25317), (97, 25368), (102, 25386), (112, 25422), (120, 25455), (122, 25464), (129, 25485), (154, 25584), (177, 25689), (191, 25767), (207, 25860), (243, 26073), (257, 26166), (258, 26172), (260, 26181), (273, 26238), (302, 26412),

Gene: Panchino_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Panchino_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Parmesanjohn_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Parmesanjohn_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: PartyCup_8 Start: 7512, Stop: 8762, Start Num: 37
Candidate Starts for PartyCup_8:
(Start: 37 @7512 has 179 MA's), (74, 7689), (113, 7821), (148, 7905), (152, 7920), (207, 8166), (208, 8169), (210, 8187), (235, 8337), (250, 8409), (257, 8466), (266, 8511), (277, 8580), (278, 8589), (302, 8733),

Gene: PastaFagioli_6 Start: 5216, Stop: 6403, Start Num: 37
Candidate Starts for PastaFagioli_6:
(24, 5186), (Start: 37 @5216 has 179 MA's), (52, 5276), (74, 5393), (172, 5666), (178, 5693), (208, 5828), (241, 6035), (268, 6182), (271, 6194), (302, 6380),

Gene: Pecas_6 Start: 5127, Stop: 6308, Start Num: 37
Candidate Starts for Pecas_6:
(Start: 37 @5127 has 179 MA's), (52, 5187), (74, 5304), (104, 5388), (147, 5481), (172, 5571), (178, 5598), (181, 5610), (208, 5733), (217, 5790), (241, 5940), (268, 6087), (271, 6099), (302, 6285),

Gene: Pelletreau_8 Start: 5711, Stop: 7015, Start Num: 28
Candidate Starts for Pelletreau_8:
(Start: 28 @5711 has 8 MA's), (64, 5843), (112, 6047), (120, 6068), (143, 6149), (152, 6185), (169, 6251), (171, 6263), (190, 6356), (205, 6434), (247, 6671), (262, 6773), (268, 6797), (273, 6821), (285, 6896), (289, 6932), (295, 6959),

Gene: Pepperoni_6 Start: 4639, Stop: 5961, Start Num: 27
Candidate Starts for Pepperoni_6:
(Start: 27 @4639 has 5 MA's), (31, 4648), (55, 4732), (76, 4840), (96, 4921), (110, 4969), (112, 4972), (127, 5032), (135, 5053), (152, 5131), (163, 5173), (176, 5239), (177, 5242), (201, 5362), (205, 5386), (209, 5416), (228, 5533), (246, 5620), (249, 5638), (268, 5743), (269, 5749), (285, 5842), (290, 5881), (295, 5905),

Gene: PhancyPhin_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for PhancyPhin_6:

(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: PhigPhack_6 Start: 5142, Stop: 6323, Start Num: 37
Candidate Starts for PhigPhack_6:
(24, 5112), (Start: 37 @5142 has 179 MA's), (52, 5202), (74, 5319), (104, 5403), (147, 5496), (172, 5586), (178, 5613), (181, 5625), (208, 5748), (217, 5805), (241, 5955), (268, 6102), (271, 6114), (302, 6300),

Gene: Philonius_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Philonius_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: PhirstandPhine_8 Start: 5682, Stop: 6995, Start Num: 29
Candidate Starts for PhirstandPhine_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (292, 6921), (295, 6939),

Gene: Phisb_6 Start: 5130, Stop: 6311, Start Num: 37
Candidate Starts for Phisb_6:
(Start: 37 @5130 has 179 MA's), (52, 5190), (74, 5307), (104, 5391), (147, 5484), (172, 5574), (178, 5601), (181, 5613), (208, 5736), (217, 5793), (241, 5943), (268, 6090), (271, 6102), (302, 6288),

Gene: Phloss_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Phloss_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: PhluffyCoco_6 Start: 5115, Stop: 6428, Start Num: 29
Candidate Starts for PhluffyCoco_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Phrann_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Phrann_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Pigu_5 Start: 4548, Stop: 5774, Start Num: 37
Candidate Starts for Pigu_5:

(Start: 37 @4548 has 179 MA's), (74, 4725), (90, 4773), (160, 4959), (193, 5100), (197, 5124), (207, 5175), (211, 5199), (242, 5385), (249, 5421), (271, 5562), (277, 5595), (283, 5640), (300, 5733),

Gene: Pineda_8 Start: 5682, Stop: 6995, Start Num: 29
Candidate Starts for Pineda_8:
(Start: 20 @5661 has 5 MA's), (Start: 29 @5682 has 104 MA's), (64, 5814), (95, 5958), (104, 5991), (112, 6018), (152, 6159), (169, 6225), (170, 6234), (177, 6270), (205, 6414), (246, 6648), (248, 6663), (249, 6666), (262, 6753), (268, 6777), (277, 6822), (284, 6870), (285, 6876), (292, 6921), (295, 6939),

Gene: PinkFriday_5 Start: 4834, Stop: 6081, Start Num: 37
Candidate Starts for PinkFriday_5:
(Start: 37 @4834 has 179 MA's), (65, 4960), (107, 5128), (145, 5215), (207, 5485), (208, 5488), (221, 5566), (235, 5656), (250, 5728), (257, 5785), (277, 5899),

Gene: Pipsqueaks_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Pipsqueaks_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: PitaDog_5 Start: 4813, Stop: 6060, Start Num: 37
Candidate Starts for PitaDog_5:
(Start: 37 @4813 has 179 MA's), (77, 5008), (148, 5203), (153, 5221), (196, 5410), (207, 5464), (208, 5467), (210, 5485), (221, 5545), (235, 5635), (249, 5704), (250, 5707), (266, 5809), (273, 5857),

Gene: Polka_7 Start: 5521, Stop: 6834, Start Num: 29
Candidate Starts for Polka_7:
(Start: 20 @5500 has 5 MA's), (Start: 29 @5521 has 104 MA's), (64, 5653), (95, 5797), (104, 5830), (112, 5857), (152, 5998), (169, 6064), (170, 6073), (177, 6109), (205, 6253), (246, 6487), (248, 6502), (249, 6505), (262, 6592), (268, 6616), (277, 6661), (284, 6709), (285, 6715), (290, 6754), (292, 6760), (295, 6778),

Gene: PondAmelia_7 Start: 5404, Stop: 6588, Start Num: 37
Candidate Starts for PondAmelia_7:
(Start: 37 @5404 has 179 MA's), (52, 5464), (61, 5509), (74, 5581), (147, 5761), (172, 5851), (178, 5878), (208, 6013), (217, 6070), (218, 6073), (241, 6220), (271, 6379), (299, 6544), (302, 6565),

Gene: Potatoes_8 Start: 7514, Stop: 8767, Start Num: 37
Candidate Starts for Potatoes_8:
(Start: 37 @7514 has 179 MA's), (145, 7901), (148, 7910), (196, 8117), (207, 8171), (208, 8174), (210, 8192), (221, 8252), (235, 8342), (249, 8411), (250, 8414), (266, 8516), (273, 8564),

Gene: PrairieDogTown_7 Start: 5916, Stop: 7220, Start Num: 29
Candidate Starts for PrairieDogTown_7:
(Start: 29 @5916 has 104 MA's), (39, 5931), (64, 6045), (152, 6390), (289, 7137),

Gene: Preamble_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for Preamble_5:
(Start: 37 @4822 has 179 MA's), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (235, 5644), (249, 5713), (250, 5716), (264, 5812), (266, 5818), (273, 5866),

Gene: Pterodactyl_5 Start: 4813, Stop: 6060, Start Num: 37

Candidate Starts for Pterodactyl_5:
(Start: 37 @4813 has 179 MA's), (148, 5203), (153, 5221), (196, 5410), (207, 5464), (208, 5467), (210, 5485), (221, 5545), (235, 5635), (249, 5704), (250, 5707), (266, 5809), (268, 5833), (273, 5857),

Gene: Pumancara_5 Start: 4834, Stop: 6081, Start Num: 37
Candidate Starts for Pumancara_5:
(Start: 37 @4834 has 179 MA's), (65, 4960), (107, 5128), (145, 5215), (207, 5485), (208, 5488), (221, 5566), (235, 5656), (250, 5728), (257, 5785), (277, 5899),

Gene: Puppers_5 Start: 4440, Stop: 5696, Start Num: 33
Candidate Starts for Puppers_5:
(Start: 33 @4440 has 7 MA's), (50, 4497), (56, 4527), (72, 4620), (106, 4743), (115, 4770), (178, 4965), (220, 5175), (240, 5298), (251, 5355), (265, 5445), (284, 5568), (290, 5613),

Gene: Purgamenstris_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Purgamenstris_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: QMacho_7 Start: 5610, Stop: 6791, Start Num: 37
Candidate Starts for QMacho_7:
(Start: 37 @5610 has 179 MA's), (52, 5670), (74, 5787), (104, 5871), (147, 5964), (172, 6054), (178, 6081), (181, 6093), (208, 6216), (217, 6273), (241, 6423), (268, 6570), (271, 6582), (302, 6768),

Gene: Quenya_7 Start: 5311, Stop: 6507, Start Num: 37
Candidate Starts for Quenya_7:
(Start: 37 @5311 has 179 MA's), (74, 5488), (104, 5581), (147, 5674), (172, 5764), (178, 5791), (181, 5803), (209, 5935), (211, 5947), (218, 5986), (241, 6133), (271, 6292), (299, 6457),

Gene: RAP15_8 Start: 7520, Stop: 8773, Start Num: 37
Candidate Starts for RAP15_8:
(Start: 37 @7520 has 179 MA's), (145, 7907), (148, 7916), (196, 8123), (207, 8177), (208, 8180), (210, 8198), (221, 8258), (235, 8348), (249, 8417), (250, 8420), (266, 8522), (273, 8570),

Gene: Rattail_6 Start: 5164, Stop: 6471, Start Num: 29
Candidate Starts for Rattail_6:
(Start: 15 @5131 has 1 MA's), (Start: 20 @5143 has 5 MA's), (Start: 29 @5164 has 104 MA's), (64, 5296), (104, 5473), (112, 5500), (121, 5524), (143, 5605), (152, 5641), (169, 5707), (170, 5716), (177, 5752), (205, 5890), (247, 6127), (248, 6139), (262, 6229), (268, 6253), (269, 6259), (285, 6352), (295, 6415), (302, 6448),

Gene: Raymond7_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Raymond7_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: RcigaStruga_8 Start: 7482, Stop: 8732, Start Num: 37

Candidate Starts for RcigaStruga_8:
(Start: 37 @7482 has 179 MA's), (164, 7938), (207, 8136), (208, 8139), (235, 8307), (248, 8373), (250, 8379), (257, 8436), (265, 8478), (266, 8481), (270, 8514), (277, 8550), (297, 8676), (301, 8700),

Gene: Rebel_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Rebel_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: RedFox_6 Start: 5115, Stop: 6428, Start Num: 29
Candidate Starts for RedFox_6:
(Start: 10 @5067 has 1 MA's), (Start: 16 @5085 has 1 MA's), (19, 5094), (Start: 29 @5115 has 104 MA's), (64, 5247), (104, 5424), (112, 5451), (121, 5475), (152, 5592), (169, 5658), (170, 5667), (184, 5742), (205, 5847), (247, 6084), (248, 6096), (251, 6111), (262, 6186), (268, 6210), (269, 6216), (277, 6255), (284, 6303), (285, 6309), (295, 6372), (302, 6405),

Gene: Redi_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Redi_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Renna12_7 Start: 5310, Stop: 6623, Start Num: 29
Candidate Starts for Renna12_7:
(Start: 15 @5277 has 1 MA's), (Start: 20 @5289 has 5 MA's), (Start: 29 @5310 has 104 MA's), (Start: 37 @5325 has 179 MA's), (64, 5442), (104, 5619), (112, 5646), (121, 5670), (152, 5787), (169, 5853), (170, 5862), (205, 6042), (248, 6291), (262, 6381), (268, 6405), (269, 6411), (284, 6498), (285, 6504), (295, 6567), (302, 6600),

Gene: Reyja_7 Start: 4610, Stop: 5923, Start Num: 29
Candidate Starts for Reyja_7:
(Start: 29 @4610 has 104 MA's), (43, 4649), (55, 4712), (64, 4748), (101, 4913), (152, 5093), (163, 5135), (171, 5171), (205, 5348), (210, 5387), (227, 5489), (238, 5537), (250, 5603), (253, 5618), (262, 5681), (284, 5798), (287, 5819), (299, 5879),

Gene: Riovina_5 Start: 4834, Stop: 6081, Start Num: 36
Candidate Starts for Riovina_5:
(Start: 36 @4834 has 8 MA's), (65, 4960), (148, 5224), (207, 5485), (208, 5488), (235, 5656), (242, 5689), (249, 5725), (250, 5728), (257, 5785),

Gene: Riverdale_8 Start: 7451, Stop: 8704, Start Num: 37
Candidate Starts for Riverdale_8:
(Start: 37 @7451 has 179 MA's), (145, 7838), (148, 7847), (196, 8054), (207, 8108), (208, 8111), (210, 8129), (221, 8189), (235, 8279), (249, 8348), (250, 8351), (266, 8453), (273, 8501),

Gene: Rollins_5 Start: 5060, Stop: 6250, Start Num: 37
Candidate Starts for Rollins_5:

(Start: 37 @5060 has 179 MA's), (52, 5120), (74, 5237), (160, 5459), (172, 5516), (174, 5522), (178, 5543), (180, 5552), (219, 5741), (271, 6035), (277, 6068), (299, 6200), (302, 6221), (307, 6245),

Gene: Rona_6 Start: 5395, Stop: 6588, Start Num: 37
Candidate Starts for Rona_6:
(Start: 37 @5395 has 179 MA's), (52, 5455), (172, 5851), (178, 5878), (193, 5938), (208, 6013), (209, 6022), (217, 6070), (218, 6073), (241, 6220), (271, 6379), (299, 6544), (302, 6565),

Gene: RootBeer_6 Start: 4509, Stop: 5753, Start Num: 37
Candidate Starts for RootBeer_6:
(Start: 37 @4509 has 179 MA's), (205, 5175), (210, 5214), (230, 5331), (236, 5358), (274, 5562),

Gene: Rooter_5 Start: 4579, Stop: 5799, Start Num: 37
Candidate Starts for Rooter_5:
(Start: 37 @4579 has 179 MA's), (74, 4756), (106, 4852), (146, 4936), (160, 4984), (162, 4993), (207, 5200), (211, 5224), (240, 5401), (242, 5410), (249, 5446), (270, 5584), (300, 5758),

Gene: Rozby_8 Start: 7451, Stop: 8704, Start Num: 37
Candidate Starts for Rozby_8:
(Start: 37 @7451 has 179 MA's), (145, 7838), (148, 7847), (196, 8054), (207, 8108), (208, 8111), (210, 8129), (221, 8189), (235, 8279), (249, 8348), (250, 8351), (266, 8453), (273, 8501),

Gene: Rubeelu_6 Start: 4369, Stop: 5661, Start Num: 29
Candidate Starts for Rubeelu_6:
(Start: 29 @4369 has 104 MA's), (Start: 35 @4381 has 5 MA's), (55, 4465), (64, 4501), (73, 4558), (85, 4597), (96, 4630), (103, 4651), (110, 4678), (112, 4681), (145, 4792), (152, 4822), (158, 4840), (162, 4858), (169, 4888), (170, 4897), (177, 4933), (181, 4957), (187, 4996), (197, 5050), (205, 5083), (209, 5113), (245, 5308), (246, 5317), (249, 5335), (268, 5440), (269, 5446), (284, 5533), (285, 5539), (305, 5647),

Gene: Ruchi_7 Start: 5750, Stop: 7054, Start Num: 29
Candidate Starts for Ruchi_7:
(Start: 29 @5750 has 104 MA's), (64, 5882), (84, 5987), (112, 6086), (121, 6110), (152, 6227), (169, 6293), (171, 6305), (177, 6338), (205, 6476), (222, 6578), (245, 6701), (246, 6710), (262, 6815), (273, 6863), (285, 6938), (289, 6974), (295, 7001),

Gene: SanaSana_7 Start: 5403, Stop: 6587, Start Num: 37
Candidate Starts for SanaSana_7:
(Start: 37 @5403 has 179 MA's), (52, 5463), (61, 5508), (74, 5580), (147, 5760), (172, 5850), (178, 5877), (208, 6012), (217, 6069), (218, 6072), (241, 6219), (271, 6378), (299, 6543), (302, 6564),

Gene: SansAfet_6 Start: 5130, Stop: 6311, Start Num: 37
Candidate Starts for SansAfet_6:
(Start: 37 @5130 has 179 MA's), (52, 5190), (74, 5307), (104, 5391), (147, 5484), (172, 5574), (178, 5601), (181, 5613), (208, 5736), (217, 5793), (241, 5943), (268, 6090), (271, 6102), (302, 6288),

Gene: Santhid_6 Start: 4492, Stop: 5805, Start Num: 29
Candidate Starts for Santhid_6:
(2, 4003), (3, 4054), (4, 4201), (5, 4375), (Start: 29 @4492 has 104 MA's), (43, 4531), (55, 4594), (64, 4630), (101, 4795), (152, 4975), (163, 5017), (171, 5053), (205, 5230), (210, 5269), (227, 5371), (238, 5419), (253, 5500), (262, 5563), (284, 5680), (299, 5761),

Gene: Sapo_4 Start: 3892, Stop: 5178, Start Num: 35

Candidate Starts for Sapo_4:
(Start: 35 @3892 has 5 MA's), (140, 4273), (144, 4285), (159, 4339), (160, 4342), (188, 4465), (189, 4468), (230, 4708), (239, 4753), (249, 4810), (271, 4954),

Gene: SarBear_6 Start: 5127, Stop: 6308, Start Num: 37
Candidate Starts for SarBear_6:
(Start: 37 @5127 has 179 MA's), (52, 5187), (74, 5304), (104, 5388), (147, 5481), (172, 5571), (178, 5598), (181, 5610), (208, 5733), (217, 5790), (241, 5940), (268, 6087), (271, 6099), (302, 6285),

Gene: Sarge_6 Start: 4818, Stop: 6134, Start Num: 29
Candidate Starts for Sarge_6:
(Start: 20 @4797 has 5 MA's), (Start: 29 @4818 has 104 MA's), (39, 4833), (64, 4947), (96, 5100), (104, 5124), (112, 5151), (152, 5298), (161, 5331), (163, 5340), (171, 5376), (187, 5466), (205, 5553), (245, 5778), (253, 5823), (268, 5916), (276, 5958), (277, 5961), (290, 6054),

Gene: Savage2526_8 Start: 7514, Stop: 8767, Start Num: 37
Candidate Starts for Savage2526_8:
(Start: 37 @7514 has 179 MA's), (145, 7901), (148, 7910), (196, 8117), (207, 8171), (208, 8174), (210, 8192), (221, 8252), (235, 8342), (249, 8411), (250, 8414), (266, 8516), (273, 8564),

Gene: ScarletRaider_34 Start: 28188, Stop: 29597, Start Num: 9
Candidate Starts for ScarletRaider_34:
(Start: 9 @28188 has 14 MA's), (17, 28206), (Start: 26 @28227 has 1 MA's), (55, 28335), (58, 28344), (64, 28371), (67, 28395), (78, 28449), (89, 28494), (97, 28521), (102, 28539), (112, 28575), (120, 28608), (122, 28617), (149, 28710), (154, 28737), (210, 29034), (243, 29226), (257, 29319), (260, 29334), (273, 29391),

Gene: Schmidt_8 Start: 5736, Stop: 7001, Start Num: 37
Candidate Starts for Schmidt_8:
(Start: 37 @5736 has 179 MA's), (46, 5766), (50, 5787), (54, 5808), (64, 5847), (85, 5943), (104, 6000), (126, 6051), (142, 6096), (155, 6138), (157, 6144), (165, 6183), (172, 6213), (193, 6300), (218, 6438), (240, 6570), (257, 6675), (266, 6720), (272, 6765), (277, 6789), (282, 6816), (283, 6834), (290, 6885), (299, 6921), (308, 6972),

Gene: Schnauzer_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Schnauzer_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Schomber_34 Start: 25037, Stop: 26464, Start Num: 9
Candidate Starts for Schomber_34:
(Start: 9 @25037 has 14 MA's), (53, 25181), (55, 25193), (64, 25229), (78, 25307), (82, 25325), (97, 25376), (102, 25394), (112, 25430), (120, 25463), (122, 25472), (129, 25493), (154, 25592), (177, 25697), (191, 25775), (207, 25868), (243, 26081), (257, 26174), (258, 26180), (260, 26189), (273, 26246), (302, 26420),

Gene: Scitech_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Scitech_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249,

5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Scotia_8 Start: 6930, Stop: 8174, Start Num: 37
Candidate Starts for Scotia_8:
(Start: 37 @6930 has 179 MA's), (61, 7035), (70, 7074), (167, 7407), (182, 7482), (205, 7593), (210, 7632), (230, 7749), (248, 7842), (277, 7995), (289, 8085),

Gene: Scuttle_8 Start: 7520, Stop: 8773, Start Num: 37
Candidate Starts for Scuttle_8:
(Start: 37 @7520 has 179 MA's), (145, 7907), (148, 7916), (196, 8123), (207, 8177), (208, 8180), (210, 8198), (221, 8258), (235, 8348), (249, 8417), (250, 8420), (266, 8522), (273, 8570), (306, 8765),

Gene: Sergei_5 Start: 4834, Stop: 6081, Start Num: 37
Candidate Starts for Sergei_5:
(Start: 37 @4834 has 179 MA's), (65, 4960), (107, 5128), (145, 5215), (207, 5485), (208, 5488), (221, 5566), (235, 5656), (250, 5728), (257, 5785), (270, 5863), (277, 5899),

Gene: Shambre1_7 Start: 6059, Stop: 7345, Start Num: 37
Candidate Starts for Shambre1_7:
(Start: 37 @6059 has 179 MA's), (120, 6398), (192, 6701), (205, 6767), (206, 6773), (284, 7217), (296, 7289),

Gene: Sharkboy_6 Start: 5394, Stop: 6587, Start Num: 37
Candidate Starts for Sharkboy_6:
(Start: 37 @5394 has 179 MA's), (52, 5454), (172, 5850), (178, 5877), (193, 5937), (208, 6012), (209, 6021), (217, 6069), (218, 6072), (241, 6219), (271, 6378), (299, 6543), (302, 6564),

Gene: Shayna_5 Start: 5149, Stop: 6357, Start Num: 37
Candidate Starts for Shayna_5:
(Start: 37 @5149 has 179 MA's), (65, 5275), (160, 5560), (172, 5617), (178, 5644), (202, 5737), (208, 5779), (214, 5824), (290, 6277),

Gene: Shen_8 Start: 5711, Stop: 7015, Start Num: 28
Candidate Starts for Shen_8:
(Start: 28 @5711 has 8 MA's), (64, 5843), (112, 6047), (120, 6068), (143, 6149), (152, 6185), (169, 6251), (171, 6263), (190, 6356), (205, 6434), (247, 6671), (262, 6773), (268, 6797), (273, 6821), (285, 6896), (289, 6932), (295, 6959),

Gene: Shoya_5 Start: 4578, Stop: 5801, Start Num: 37
Candidate Starts for Shoya_5:
(Start: 37 @4578 has 179 MA's), (61, 4683), (74, 4755), (106, 4854), (146, 4938), (160, 4986), (207, 5202), (211, 5226), (242, 5412), (249, 5448), (270, 5586), (276, 5619),

Gene: ShrimpFriedEgg_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for ShrimpFriedEgg_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Shweta_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Shweta_6:

(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Silvafighter_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Silvafighter_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Silvy_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Silvy_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: SirBeanington_6 Start: 5130, Stop: 6311, Start Num: 37
Candidate Starts for SirBeanington_6:
(Start: 37 @5130 has 179 MA's), (52, 5190), (74, 5307), (104, 5391), (147, 5484), (172, 5574), (178, 5601), (181, 5613), (208, 5736), (217, 5793), (241, 5943), (271, 6102), (302, 6288),

Gene: SkinnyPete_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for SkinnyPete_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Skylord_5 Start: 5000, Stop: 6190, Start Num: 37
Candidate Starts for Skylord_5:
(Start: 37 @5000 has 179 MA's), (52, 5060), (74, 5177), (160, 5399), (172, 5456), (174, 5462), (178, 5483), (180, 5492), (219, 5681), (271, 5975), (277, 6008), (299, 6140), (302, 6161), (307, 6185),

Gene: Slay_6 Start: 5604, Stop: 6785, Start Num: 37
Candidate Starts for Slay_6:
(Start: 37 @5604 has 179 MA's), (52, 5664), (74, 5781), (104, 5865), (147, 5958), (172, 6048), (178, 6075), (181, 6087), (208, 6210), (217, 6267), (241, 6417), (268, 6564), (271, 6576), (302, 6762),

Gene: Smurph_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Smurph_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Snekmaggedon_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Snekmaggedon_6:

(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Softsoap_6 Start: 5142, Stop: 6323, Start Num: 37
Candidate Starts for Softsoap_6:
(Start: 37 @5142 has 179 MA's), (52, 5202), (74, 5319), (104, 5403), (147, 5496), (172, 5586), (178, 5613), (181, 5625), (208, 5748), (217, 5805), (241, 5955), (268, 6102), (271, 6114), (302, 6300),

Gene: Solea_7 Start: 5499, Stop: 6680, Start Num: 37
Candidate Starts for Solea_7:
(24, 5469), (Start: 37 @5499 has 179 MA's), (52, 5559), (74, 5676), (104, 5760), (147, 5853), (172, 5943), (178, 5970), (208, 6105), (217, 6162), (241, 6312), (268, 6459), (271, 6471), (302, 6657),

Gene: Spinach_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for Spinach_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Splinter_10 Start: 7211, Stop: 8500, Start Num: 23
Candidate Starts for Splinter_10:
(Start: 14 @7193 has 4 MA's), (Start: 23 @7211 has 2 MA's), (Start: 37 @7244 has 179 MA's), (40, 7250), (75, 7424), (82, 7445), (85, 7451), (104, 7514), (117, 7559), (172, 7730), (188, 7787), (209, 7904), (211, 7916), (213, 7937), (218, 7955), (230, 8030), (248, 8132), (250, 8138), (261, 8213), (265, 8237), (270, 8273), (276, 8306), (282, 8336), (283, 8354), (286, 8372), (290, 8405), (293, 8417),

Gene: SpongeBob_6 Start: 4389, Stop: 5684, Start Num: 29
Candidate Starts for SpongeBob_6:
(Start: 29 @4389 has 104 MA's), (Start: 35 @4401 has 5 MA's), (55, 4485), (64, 4521), (73, 4578), (85, 4617), (96, 4650), (103, 4671), (110, 4698), (145, 4812), (150, 4836), (152, 4842), (162, 4878), (170, 4917), (177, 4953), (187, 5016), (197, 5070), (205, 5103), (213, 5166), (230, 5259), (245, 5328), (246, 5337), (249, 5355), (267, 5451), (268, 5460), (269, 5466), (270, 5469), (281, 5526), (284, 5553), (285, 5559),

Gene: Squircle_6 Start: 5417, Stop: 6634, Start Num: 37
Candidate Starts for Squircle_6:
(Start: 37 @5417 has 179 MA's), (74, 5594), (75, 5603), (142, 5780), (156, 5822), (172, 5894), (181, 5933), (189, 5954), (208, 6056), (211, 6077), (263, 6389), (270, 6422),

Gene: Stoor_6 Start: 5400, Stop: 6584, Start Num: 37
Candidate Starts for Stoor_6:
(Start: 37 @5400 has 179 MA's), (52, 5460), (61, 5505), (74, 5577), (147, 5757), (172, 5847), (178, 5874), (208, 6009), (217, 6066), (218, 6069), (241, 6216), (271, 6375), (299, 6540), (302, 6561),

Gene: Stromboli_6 Start: 5400, Stop: 6584, Start Num: 37
Candidate Starts for Stromboli_6:
(Start: 37 @5400 has 179 MA's), (52, 5460), (61, 5505), (74, 5577), (147, 5757), (172, 5847), (178, 5874), (208, 6009), (217, 6066), (218, 6069), (241, 6216), (271, 6375), (302, 6561),

Gene: StuartMinion_6 Start: 5120, Stop: 6427, Start Num: 29
Candidate Starts for StuartMinion_6:
(Start: 29 @5120 has 104 MA's), (64, 5252), (112, 5456), (121, 5480), (143, 5561), (152, 5597), (160, 5621), (169, 5663), (170, 5672), (205, 5846), (251, 6110), (262, 6185), (268, 6209), (269, 6215), (277, 6254), (284, 6302), (285, 6308), (295, 6371), (302, 6404),

Gene: SunnyD_5 Start: 5149, Stop: 6357, Start Num: 37
Candidate Starts for SunnyD_5:
(Start: 37 @5149 has 179 MA's), (65, 5275), (160, 5560), (172, 5617), (178, 5644), (202, 5737), (208, 5779), (214, 5824), (290, 6277),

Gene: Supakev_5 Start: 4834, Stop: 6081, Start Num: 37
Candidate Starts for Supakev_5:
(Start: 37 @4834 has 179 MA's), (65, 4960), (107, 5128), (145, 5215), (207, 5485), (208, 5488), (221, 5566), (235, 5656), (250, 5728), (257, 5785), (277, 5899),

Gene: Suppi_8 Start: 7512, Stop: 8762, Start Num: 37
Candidate Starts for Suppi_8:
(Start: 37 @7512 has 179 MA's), (74, 7689), (113, 7821), (148, 7905), (152, 7920), (207, 8166), (208, 8169), (210, 8187), (235, 8337), (250, 8409), (255, 8433), (257, 8466), (266, 8511), (277, 8580), (278, 8589), (302, 8733),

Gene: Swervy_6 Start: 5127, Stop: 6308, Start Num: 37
Candidate Starts for Swervy_6:
(Start: 37 @5127 has 179 MA's), (52, 5187), (74, 5304), (104, 5388), (147, 5481), (172, 5571), (178, 5598), (181, 5610), (208, 5733), (217, 5790), (241, 5940), (268, 6087), (271, 6099), (302, 6285),

Gene: TZGordon_12 Start: 7336, Stop: 8643, Start Num: 14
Candidate Starts for TZGordon_12:
(Start: 14 @7336 has 4 MA's), (Start: 23 @7354 has 2 MA's), (Start: 37 @7387 has 179 MA's), (40, 7393), (75, 7567), (82, 7588), (85, 7594), (104, 7657), (117, 7702), (166, 7846), (172, 7873), (188, 7930), (209, 8047), (211, 8059), (213, 8080), (230, 8173), (248, 8275), (250, 8281), (261, 8356), (276, 8449), (282, 8479), (283, 8497), (286, 8515), (290, 8548), (293, 8560),

Gene: Tapioca_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Tapioca_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Tarzan_6 Start: 4496, Stop: 5809, Start Num: 29
Candidate Starts for Tarzan_6:
(Start: 29 @4496 has 104 MA's), (43, 4535), (55, 4598), (64, 4634), (101, 4799), (152, 4979), (163, 5021), (168, 5042), (171, 5057), (186, 5144), (205, 5234), (210, 5273), (227, 5375), (238, 5423), (253, 5504), (262, 5567), (284, 5684), (299, 5765),

Gene: TattModd_8 Start: 7514, Stop: 8767, Start Num: 37
Candidate Starts for TattModd_8:
(Start: 37 @7514 has 179 MA's), (145, 7901), (148, 7910), (196, 8117), (207, 8171), (208, 8174), (210, 8192), (221, 8252), (235, 8342), (249, 8411), (250, 8414), (266, 8516), (273, 8564),

Gene: TaylorSipht_7 Start: 5516, Stop: 6829, Start Num: 29
Candidate Starts for TaylorSipht_7:
(Start: 29 @5516 has 104 MA's), (64, 5648), (91, 5780), (112, 5852), (143, 5957), (152, 5993), (162, 6029), (169, 6059), (171, 6071), (205, 6248), (245, 6473), (247, 6485), (262, 6587), (268, 6611), (284, 6704), (285, 6710), (289, 6746), (290, 6749), (292, 6755), (295, 6773), (303, 6812),

Gene: Teagster_5 Start: 5152, Stop: 6360, Start Num: 36
Candidate Starts for Teagster_5:
(Start: 36 @5152 has 8 MA's), (65, 5278), (160, 5563), (172, 5620), (178, 5647), (202, 5740), (208, 5782), (214, 5827), (290, 6280),

Gene: Temper16_5 Start: 4834, Stop: 6081, Start Num: 37
Candidate Starts for Temper16_5:
(Start: 37 @4834 has 179 MA's), (65, 4960), (107, 5128), (145, 5215), (207, 5485), (208, 5488), (221, 5566), (235, 5656), (250, 5728), (257, 5785), (270, 5863), (277, 5899),

Gene: Tessdabest_5 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Tessdabest_5:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Thales_28 Start: 26814, Stop: 28184, Start Num: 12
Candidate Starts for Thales_28:
(Start: 12 @26814 has 1 MA's), (55, 26958), (62, 26988), (64, 26994), (73, 27048), (77, 27063), (97, 27141), (99, 27147), (112, 27195), (120, 27237), (129, 27267), (168, 27420), (183, 27498), (202, 27579), (210, 27639), (243, 27825), (256, 27888), (257, 27918), (270, 27975), (273, 27990), (284, 28062), (291, 28110), (292, 28113),

Gene: TinaLin_13 Start: 8010, Stop: 9260, Start Num: 37
Candidate Starts for TinaLin_13:
(Start: 37 @8010 has 179 MA's), (50, 8061), (75, 8190), (85, 8217), (104, 8277), (117, 8322), (144, 8379), (145, 8382), (169, 8478), (194, 8586), (202, 8616), (209, 8667), (211, 8679), (218, 8718), (222, 8739), (229, 8787), (240, 8850), (247, 8880), (271, 9036), (277, 9069), (280, 9090), (288, 9153), (290, 9165), (293, 9177),

Gene: Toad24_8 Start: 5711, Stop: 7015, Start Num: 28
Candidate Starts for Toad24_8:
(Start: 28 @5711 has 8 MA's), (64, 5843), (112, 6047), (120, 6068), (143, 6149), (152, 6185), (169, 6251), (171, 6263), (190, 6356), (205, 6434), (247, 6671), (262, 6773), (268, 6797), (273, 6821), (284, 6890), (285, 6896), (289, 6932), (295, 6959),

Gene: Toneprano_34 Start: 25287, Stop: 26714, Start Num: 9
Candidate Starts for Toneprano_34:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: Tortoise12_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Tortoise12_6:

(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Trine_5 Start: 4486, Stop: 5751, Start Num: 33
Candidate Starts for Trine_5:
(Start: 33 @4486 has 7 MA's), (64, 4606), (69, 4636), (77, 4693), (94, 4750), (106, 4789), (111, 4807), (178, 5005), (181, 5017), (188, 5035), (189, 5038), (202, 5101), (206, 5128), (214, 5188), (218, 5203), (231, 5284), (239, 5326), (240, 5338), (266, 5488), (282, 5584), (290, 5653),

Gene: TukTuk_6 Start: 5127, Stop: 6308, Start Num: 37
Candidate Starts for TukTuk_6:
(Start: 37 @5127 has 179 MA's), (52, 5187), (74, 5304), (104, 5388), (147, 5481), (172, 5571), (178, 5598), (181, 5610), (208, 5733), (217, 5790), (241, 5940), (268, 6087), (271, 6099), (302, 6285),

Gene: Twin_34 Start: 25287, Stop: 26714, Start Num: 9
Candidate Starts for Twin_34:
(Start: 9 @25287 has 14 MA's), (53, 25431), (55, 25443), (64, 25479), (78, 25557), (82, 25575), (97, 25626), (102, 25644), (112, 25680), (120, 25713), (122, 25722), (129, 25743), (154, 25842), (177, 25947), (191, 26025), (207, 26118), (243, 26331), (257, 26424), (258, 26430), (260, 26439), (273, 26496), (302, 26670),

Gene: UBSmoodge_36 Start: 27923, Stop: 29332, Start Num: 9
Candidate Starts for UBSmoodge_36:
(Start: 9 @27923 has 14 MA's), (17, 27941), (Start: 26 @27962 has 1 MA's), (55, 28070), (58, 28079), (64, 28106), (67, 28130), (78, 28184), (89, 28229), (97, 28256), (102, 28274), (112, 28310), (120, 28343), (122, 28352), (149, 28445), (154, 28472), (210, 28769), (243, 28961), (257, 29054), (260, 29069), (273, 29126),

Gene: Upyo_5 Start: 4487, Stop: 5743, Start Num: 33
Candidate Starts for Upyo_5:
(Start: 33 @4487 has 7 MA's), (Start: 35 @4490 has 5 MA's), (46, 4520), (98, 4760), (106, 4790), (181, 5021), (206, 5132), (214, 5192), (218, 5207), (239, 5330), (240, 5342), (265, 5489), (266, 5492), (270, 5525), (272, 5537), (282, 5588), (290, 5657), (295, 5681), (297, 5687), (299, 5693),

Gene: Urla_5 Start: 4817, Stop: 6067, Start Num: 37
Candidate Starts for Urla_5:
(Start: 37 @4817 has 179 MA's), (196, 5417), (207, 5471), (208, 5474), (210, 5492), (235, 5642), (249, 5711), (250, 5714), (255, 5738), (266, 5816), (273, 5864),

Gene: Vallejo_8 Start: 7451, Stop: 8704, Start Num: 37
Candidate Starts for Vallejo_8:
(Start: 37 @7451 has 179 MA's), (145, 7838), (148, 7847), (196, 8054), (207, 8108), (208, 8111), (210, 8129), (221, 8189), (235, 8279), (249, 8348), (250, 8351), (266, 8453), (273, 8501),

Gene: Vendetta_10 Start: 7211, Stop: 8500, Start Num: 23
Candidate Starts for Vendetta_10:
(Start: 14 @7193 has 4 MA's), (Start: 23 @7211 has 2 MA's), (Start: 37 @7244 has 179 MA's), (40, 7250), (75, 7424), (82, 7445), (85, 7451), (104, 7514), (117, 7559), (172, 7730), (188, 7787), (209, 7904), (211, 7916), (213, 7937), (218, 7955), (230, 8030), (248, 8132), (250, 8138), (261, 8213), (265, 8237), (270, 8273), (276, 8306), (282, 8336), (283, 8354), (286, 8372), (290, 8405), (293, 8417),

Gene: Vitas_5 Start: 5000, Stop: 6190, Start Num: 37
Candidate Starts for Vitas_5:
(Start: 37 @5000 has 179 MA's), (52, 5060), (74, 5177), (160, 5399), (172, 5456), (174, 5462), (178, 5483), (180, 5492), (219, 5681), (271, 5975), (277, 6008), (299, 6140), (302, 6161), (307, 6185),

Gene: Vulpecula_7 Start: 5831, Stop: 7132, Start Num: 29
Candidate Starts for Vulpecula_7:
(6, 5726), (13, 5792), (21, 5810), (Start: 29 @5831 has 104 MA's), (64, 5963), (112, 6167), (121, 6188), (143, 6269), (152, 6305), (169, 6371), (171, 6383), (177, 6416), (205, 6554), (245, 6779), (247, 6791), (262, 6893), (268, 6917), (273, 6941), (284, 7010), (285, 7016), (289, 7052), (295, 7079),

Gene: Vulture_5 Start: 4834, Stop: 6081, Start Num: 36
Candidate Starts for Vulture_5:
(Start: 36 @4834 has 8 MA's), (65, 4960), (148, 5224), (207, 5485), (208, 5488), (235, 5656), (242, 5689), (249, 5725), (250, 5728), (257, 5785),

Gene: WalkingDead_6 Start: 5390, Stop: 6574, Start Num: 37
Candidate Starts for WalkingDead_6:
(Start: 37 @5390 has 179 MA's), (52, 5450), (61, 5495), (74, 5567), (147, 5747), (172, 5837), (178, 5864), (208, 5999), (217, 6056), (218, 6059), (241, 6206), (271, 6365), (299, 6530), (302, 6551),

Gene: Wawa_8 Start: 7490, Stop: 8743, Start Num: 37
Candidate Starts for Wawa_8:
(Start: 37 @7490 has 179 MA's), (145, 7877), (148, 7886), (196, 8093), (207, 8147), (208, 8150), (210, 8168), (221, 8228), (235, 8318), (249, 8387), (250, 8390), (266, 8492), (273, 8540),

Gene: Wayne_8 Start: 7558, Stop: 8808, Start Num: 37
Candidate Starts for Wayne_8:
(Start: 37 @7558 has 179 MA's), (74, 7735), (113, 7867), (148, 7951), (152, 7966), (207, 8212), (208, 8215), (210, 8233), (235, 8383), (250, 8455), (255, 8479), (257, 8512), (266, 8557), (277, 8626), (278, 8635), (302, 8779),

Gene: Westrich_8 Start: 5699, Stop: 7003, Start Num: 28
Candidate Starts for Westrich_8:
(Start: 28 @5699 has 8 MA's), (64, 5831), (112, 6035), (120, 6056), (143, 6137), (152, 6173), (169, 6239), (171, 6251), (190, 6344), (205, 6422), (247, 6659), (262, 6761), (268, 6785), (273, 6809), (285, 6884), (289, 6920), (295, 6947),

Gene: Widow_5 Start: 4437, Stop: 5693, Start Num: 33
Candidate Starts for Widow_5:
(Start: 33 @4437 has 7 MA's), (50, 4494), (56, 4524), (72, 4617), (106, 4740), (115, 4767), (178, 4962), (220, 5172), (240, 5295), (251, 5352), (256, 5373), (265, 5442), (284, 5565), (290, 5610),

Gene: WileyE_6 Start: 5194, Stop: 6498, Start Num: 29
Candidate Starts for WileyE_6:
(6, 5089), (13, 5155), (21, 5173), (Start: 29 @5194 has 104 MA's), (64, 5326), (112, 5530), (121, 5554), (143, 5635), (152, 5671), (169, 5737), (171, 5749), (177, 5782), (205, 5920), (245, 6145), (247, 6157), (262, 6259), (268, 6283), (273, 6307), (284, 6376), (285, 6382), (289, 6418), (295, 6445),

Gene: WonderBoy_5 Start: 4822, Stop: 6069, Start Num: 37
Candidate Starts for WonderBoy_5:
(Start: 37 @4822 has 179 MA's), (148, 5212), (153, 5230), (196, 5419), (207, 5473), (208, 5476), (210, 5494), (221, 5554), (235, 5644), (249, 5713), (250, 5716), (266, 5818), (273, 5866),

Gene: WorMMAs_5 Start: 4355, Stop: 5620, Start Num: 33
Candidate Starts for WorMMAs_5:
(30, 4349), (Start: 33 @4355 has 7 MA's), (46, 4388), (50, 4409), (52, 4418), (81, 4571), (98, 4625), (104, 4646), (106, 4655), (115, 4682), (172, 4844), (178, 4871), (189, 4904), (215, 5060), (240, 5204), (265, 5351), (270, 5387), (272, 5399), (282, 5450), (284, 5474), (290, 5519), (295, 5543), (302, 5576), (303, 5582),

Gene: Xeno_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Xeno_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Xerxes_6 Start: 4372, Stop: 5664, Start Num: 29
Candidate Starts for Xerxes_6:
(Start: 29 @4372 has 104 MA's), (Start: 35 @4384 has 5 MA's), (55, 4468), (64, 4504), (73, 4561), (85, 4600), (96, 4633), (103, 4654), (110, 4681), (145, 4795), (150, 4819), (152, 4825), (162, 4861), (170, 4900), (177, 4936), (181, 4960), (197, 5053), (205, 5086), (209, 5116), (230, 5242), (246, 5320), (249, 5338), (254, 5362), (256, 5371), (268, 5443), (281, 5509), (284, 5536), (285, 5542),

Gene: Zhuangyuan_8 Start: 5825, Stop: 7132, Start Num: 29
Candidate Starts for Zhuangyuan_8:
(18, 5801), (Start: 29 @5825 has 104 MA's), (64, 5957), (95, 6101), (112, 6161), (121, 6182), (137, 6236), (143, 6263), (152, 6299), (170, 6374), (177, 6410), (205, 6554), (238, 6743), (247, 6791), (284, 7007), (285, 7013), (289, 7049), (295, 7076), (302, 7109),

Gene: Zixiang_7 Start: 5493, Stop: 6803, Start Num: 28
Candidate Starts for Zixiang_7:
(Start: 28 @5493 has 8 MA's), (64, 5625), (76, 5697), (88, 5739), (112, 5829), (120, 5850), (143, 5931), (152, 5967), (169, 6033), (171, 6045), (205, 6222), (245, 6447), (247, 6459), (262, 6561), (273, 6609), (284, 6678), (285, 6684), (289, 6720), (295, 6747),

Gene: Zorro_8 Start: 7469, Stop: 8722, Start Num: 37
Candidate Starts for Zorro_8:
(Start: 37 @7469 has 179 MA's), (145, 7856), (148, 7865), (196, 8072), (207, 8126), (208, 8129), (210, 8147), (221, 8207), (235, 8297), (249, 8366), (250, 8369), (266, 8471), (273, 8519),